REGULAR AGENDA (Part 4)

NEW BUSINESS

1. AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COMPTON ADOPTING MITIGATED NEGATIVE DECLARATION 951 AND MITIGATION MONITORING PROGRAM AND APPROVING CHANGE OF ZONE CASE NO. 2021-003 REMOVING THE PARKING (P) ZONING CLASSIFICATION AND ZONING THE SITE 100% LIMITED COMMERCIAL (CL) FOR THE PROPERTY LOCATED AT 930 WEST COMPTON BOULEVARD (First Reading)

2. A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COMPTON ADOPTING MITIGATED NEGATIVE DECLARATION NO. 951AND MITIGATION MONITORING PROGRAM AND APPROVING TENTATIVE TRACT MAP NO. 82807 (SUBDIVISION CASE NO. 21-001) RELATED TO A REQUEST TO CREATE A 60 UNIT CONDOMINIUM MAP FOR THE PROPERTY LOCATED AT 930 WEST COMPTON BOULEVARD

JUNE 28, 2022

TO: HONORABLE MAYOR AND COUNCIL MEMBERS

FROM: COMMUNITY DEVELOPMENT DEPARTMENT

SUBJECT: AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COMPTON ADOPTING MITIGATED NEGATIVE DECLARATION 951 AND MITIGATION MONITORING PROGRAM AND APPROVING CHANGE OF ZONE CASE NO. 2021-003 REMOVING THE PARKING (P) ZONING CLASSIFICATION AND ZONING THE SITE 100% LIMITED COMMERCIAL (CL) FOR THE PROPERTY LOCATED AT 930 WEST COMPTON BOULEVARD

SUMMARY

The City Council will consider a request to approve Change of Zone application Case No. 2021-003, a request to remove the existing Parking (P) zoning leaving the site as 100% Limited Commercial on a 2.45 acres Successor Agency owned lot located at 930 W. Compton Blvd.

BACKGROUND

On May 11, 2022, the Planning Commission held a public hearing on the above-listed request. After due consideration, the Planning Commission voted to not recommend approval to the City Council of Mitigated Negative Declaration (MND) No. 951, the Mitigation Monitoring and Reporting Program (MMRP) and Change of Zone Case No. 2021-003. The project also is requesting approval of a General Plan Amendment, Conditional Use Permit and Tentative Tract Map.

PROJECT DESCRIPTION

The City Ventures Company is requesting approval of Change of Zone Case No. 2021-003, a request to remove the existing Parking (P) zoning leaving the site as 100% Limited Commercial to develop a gated 60-unit three-story condominium community. The site is a vacant 2.45-acre successor agency owned property located at 930 W. Compton Blvd. (southeast corner of Compton Blvd. and Kemp Avenue).

STATEMENT OF THE ISSUE

The project is requesting a zone change to remove the existing Parking overlay zoning (P) on the southern half of the site resulting in a site with only Limited Commercial zoning (100%). The proposed zone change will give the site a single Limited Commercial (CL) zoning that permits high density residential development (29 units per acre) with a Conditional Use Permit.

A Mitigated Negative Declaration was prepared for the project. The Initial Study/Mitigated Negative Declaration No. 951 was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20-day public review period from November 16, 2021 to December 5, 202. The proposed project will not cause any negative impacts.

FINANCIAL IMPACT

None. No City funds will be used for this project.

RECOMMENDATION

Staff recommends the City Council approve Change of Zone application Case No. 2021-003.

ROBERT DELGADILLO, SENIOR PLANNER
COMMUNITY DEVELOPMENT DEPARTMENT

APPROVED FOR FORWARDING:

THOMAS THOMAS
CITY MANAGER

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COMPTON ADOPTING MITIGATED NEGATIVE DECLARATION 951 AND MITIGATION MONITORING PROGRAM AND APPROVING CHANGE OF ZONE CASE NO. 2021-003 REMOVING THE PARKING (P) ZONING CLASSIFICATION AND ZONING THE SITE 100% LIMITED COMMERCIAL (CL) FOR THE PROPERTY LOCATED AT 930 WEST COMPTON BOULEVARD

WHEREAS, the City Venture Company has made application for a change of zone in accordance with Section 30-28 of the Compton Municipal Code to remove the zoning classification of Parking (P) leaving the site as 100% Limited Commercial (CL) for certain real property situated in the City of Compton, legally described as follows:

APN: 6161-001-902; located at 930 W. Compton Blvd., Compton, California; and

WHEREAS, the change of zone must be processed in accordance with Compton Municipal Code section (CMC) 30-28; and

WHEREAS, legal notice has been provided in accordance with the requirements of the Compton Municipal Code; and

WHEREAS, that the notice of intent along with the Initial Study/Mitigated Negative Declaration No. 951 was prepared for the Project, in accordance with the California Environmental Quality Act (CEQA) and was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20 day public review period from November 16, 2021 to December 5, 2021 and posted on the City's website; and

WHEREAS, the City Council has reviewed and consider the Initial Study/Mitigated Negative Declaration No. 951, the Mitigation Monitoring and Reporting Program, and any comments provided thereon; and

WHEREAS, the public hearing notice was also advertised and published in the local Compton Bulletin newspaper on June 22, 2022 and

WHEREAS, this case was also properly noticed in accordance with California Government Code 65090 and 65091; and

WHEREAS, a public hearing upon said request for a Change of Zone was held before the Planning Commission on December 8, 2021 and May 11, 2022 and the Planning Commission voted to not recommend approval to the City Council; and

WHEREAS, evidence was heard from all persons interested in effecting said Change of Zone and all persons protesting same, and the City Council being fully informed,

WHEREAS, a public hearing upon said request for Change of Zone Case No. 21-003 was held before the City of Compton City Council on June 28, 2022; and

WHEREAS, the City Council being fully informed:

F I N D S

Mitigated Negative Declaration:

1. That in accordance with the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13 §21000 et seq.) an Initial Study for the project was prepared that identifies and evaluates the environmental impacts of the project.
2. That the City of Compton, in its capacity as Lead Agency, has determined that the proposed project requires a Mitigated Negative Declaration as part of its environmental review.
3. That the notice of intent along with the Initial Study/Mitigated Negative Declaration No. 951 was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20-day public review period, mailed to abutting property owners and posted on the City's website.

4. That all environmental documents have been processed in accordance with the California Environmental Quality Act (CEQA) guidelines.
5. That the approval and subsequent implementation of the proposed project *will not* have the potential to degrade the quality of the environment with the implementation of the conditions of approval.
6. That the approval and subsequent implementation of the proposed project *will not* have the potential to achieve short-term goals to the disadvantage of long-term environmental goals with the implementation of the conditions of approval.
7. That the approval and subsequent implementation of the proposed project *will not* have impacts that are individually limited, but cumulatively considerable, when considering the proposed development in the immediate vicinity with the implementation of the conditions of approval.
8. That the approval and subsequent implementation of the proposed project *will not* have environmental effects that will adversely affect humans, either directly or indirectly with the implementation of the conditions of approval.

Change of Zone

1. That the removal of the Parking (P) zone resulting in a 100% Limited Commercial (CL) zone will be in conformance with the existing Limited Commercial zoning on the site and the new general plan land use designation of General Commercial. The GPA will achieve a higher level of consistency between the General Plan and Zoning map and have one zone on the lot.
2. That the change of zone removing the Parking (P) zone and leaving the site as Limited Commercial (CL) is more suitable for the subject site in that the zoning will be consistent with the project and existing land use patterns of development in that higher density residential use proposed will be consistent with the Limited Commercial zone.
3. That the change of zone removing the Parking (P) resulting in a 100% Limited Commercial (CL) will not be detrimental to the surrounding area in that the site is already intended for medium density residential development. The proposed zone change will allow for a slightly higher density and will serve as a transition development from the heavily trafficked Compton Blvd., eliminate blight, develop a vacant successor owned site and provide additional affordable housing opportunities, result in a single zone for the lot and help encourage additional redevelopment in the area.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF COMPTON RESOLVES:

Section 1. The City Council adopted Mitigated Negative Declaration No. 951, made appropriate environmental findings, and adopted a Mitigation Monitoring and Reporting Program for the Project. The documents and other material that constitute the record on which this decision is based are located in Department of Community Development the and are in the custody of the Department of Community Development.

Section 2. If any section, subsection, subdivision, sentence, clause, phrase, or portion of this Ordinance or the application thereof to any person or place, is for any reason held to be invalid or unconstitutional by the final decision of any court of competent jurisdiction, the remainder of this Ordinance shall remain in full force and effect.

Section 3. That this ordinance removing the Parking (P) zoning classification, leaving the site as 100% Limited Commercial for the property located at 930 W. Compton Blvd. is hereby adopted and shall be in full force thirty (30) days after the date of its final passage and adoption by the City Council.

Section 4. That a copy of this Ordinance shall be filed in the offices of the City Clerk, Building & Safety and Community Development Department (Planning).

Section 5. The Mayor shall sign and the City Clerk shall attest to the adoption of this ordinance.

ADOPTED this _____ day of _____, 2022.

_____
MAYOR OF THE CITY OF COMPTON

ATTEST:

_____
CITY CLERK OF THE CITY OF COMPTON

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss
CITY OF COMPTON)

I, Alita Godwin, City Clerk of the City of Compton, do hereby certify that the foregoing Ordinance was adopted by the City Council of the City of Compton, signed by the Mayor and attested by the City Clerk at a regular meeting thereof held on the _____ day of _____, 2022.

That said Ordinance was adopted by the following vote, to wit:

AYES: COUNCIL MEMBERS-
NOES: COUNCIL MEMBERS-
ABSENT: COUNCIL MEMBERS-
ABSTAIN: COUNCIL MEMBERS-

_____
CITY CLERK OF THE CITY OF COMPTON

MITIGATION MONITORING & REPORTING PROGRAM (MMRP) FOR THE CONCORD RESIDENTIAL PROJECT

1. **Project Case Number(s):** Development Agreement
General Plan Amendment
Change of Zone
Conditional Use Permit
Tentative Tract Map 82807
Undergrounding Exemption
Possible Mature Street Tree Removal

2. **Project Title:** Concord Residential Project (the "Project")

3. **Lead Agency:** City of Compton
Robert Degadillo, Community Development Department
205 South Willowbrook Avenue
Compton, CA 90220
(310) 605-5532
rdelgadillo@comptoncity.org

4. **Project Sponsor**:

Applicant/Developer	**Property Owner**
Kim Prijatel Senior Vice President of Development City Ventures 3121 Michelson Drive, Suite 150 Irvine, CA 92612 (949) 258-7540 kPrijatel@cityventures.com	City Ventures 3121 Michelson Drive, Suite 150 Irvine, CA 92612 (949) 258-7555

5. **Project Location:**

The Project site is located at 930 West Compton Boulevard, bounded by West Compton Boulevard to the north, West 151st Street to the south, South Kemp Avenue to the east, and South Dwight Avenue to the west, in the City of Compton, County of Los Angeles, California, as shown in Figure A – Aerial. The site is in Township 3 South, Range 13 West, San Bernardino base and meridian, and comprises Tax Assessor parcel number 6161-001-902.

CONCORD RESIDENTIAL PROJECT						
Mitigation Measures		**Responsible Party**	**Monitoring Timing or Frequency**	**Type of Verification**	**Verification of Compliance**	
					Initials	**Date**
AESTHETICS						
MM AES-1	Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone light colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.	Developer	Prior to Building Permit Issuance	Planning shall ensure that plan is reviewed and approved		
REMARKS:						
NOISE						
MM NOI-1	The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.	Developer	Prior to Building Permit Issuance	Planning shall verify on Plan Check set of plans		
REMARKS:						
MM NOI-2	Construction shall occur during the hours of 7:00 AM to 7:00 PM.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-3	Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-4	Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well		

Mitigation Measures		Responsible Party	Monitoring Timing or Frequency	Type of Verification	Verification of Compliance	
					Initials	Date
				any noise complaints shall be processed.		
REMARKS:						
MM NOI-5	During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-6	Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-7	Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
TRANSPORTATION						
MM TRAF-1	Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal	Developer	Prior to Grading Permit Issuance	Engineering and Planning will review and approve the Haul Route Plan		

CONCORD RESIDENTIAL PROJECT						
Mitigation Measures		**Responsible Party**	**Monitoring Timing or Frequency**	**Type of Verification**	**Verification of Compliance**	
					Initials	**Date**
	Code Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.					
REMARKS:						
MM TRAF-2	Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.	Developer	Prior to Occupancy	Engineering will ensure the curb has been painted		
REMARKS:						
WILDFIRE						
See MM TRAF-1						
REMARKS:						

INITIAL STUDY (IS) & MITIGATED NEGATIVE DECLARATION FOR THE CONCORD RESIDENTIAL PROJECT MND-950

BACKGROUND INFORMATION AND PROJECT DESCRIPTION:

1. **Project Case Number(s):** General Plan Amendment – GPA 21-001
   Change of Zone – COZ 21-003
   Conditional Use Permit – CUP 21-008
   Tentative Tract Map 82807 – TTM 21-001

2. **Project Title:** Concord Residential Project (the "Project")

3. **Public Comment Period:** November 16, 2021 – December 6, 2021

4. **Lead Agency:** City of Compton
   Robert Degadillo, Community Development Department
   205 South Willowbrook Avenue
   Compton, CA 90220
   (310) 605-5532
   rdelgadillo@comptoncity.org

5. **Prepared By:** Diane Jenkins, AICP
   McKenna Lanier Group, Inc.
   (909) 519-8887
   Diane@McKennaLanier.com

6. **Project Sponsor:**

Applicant/Developer	Property Owner
Kim Prijatel Senior Vice President of Development City Ventures 3121 Michelson Drive, Suite 150 Irvine, CA 92612 (949) 258-7540 kPrijatel@cityventures.com	City of Compton 205 South Willowbrook Avenue Compton, CA 90220

7. **Project Location:** The Project site is located at 930 West Compton Boulevard, bounded by West Compton Boulevard to the north, West 151st Street to the south, South Kemp Avenue to the east, and South Dwight Avenue to the west, in the City of Compton, County of Los Angeles, California, as shown in Figure A – Aerial. The site is in Township 3 South, Range 13 West, San Bernardino base and meridian, and comprises Tax Assessor parcel number 6161-001-902.

8. **Existing General Plan Vision 2010:** Medium Density Residential (8.1 to 17 du/acre net)

The Medium Density Residential (MDR), General Plan designation, allows for residential development up to 17 units per net acre and a population density of up to 66 persons per acre. Development typically consists of low-rise apartments, townhomes and condominiums, and single-family patio homes on small lots. Uses and development densities permitted in the Low-Density Residential category are also appropriate for Medium Density Residential areas (see Figure B – General Plan).

9. **Existing Zoning:** C-L – Limited Commercial & P – Automobile Parking

The Limited Commercial Zone (C-L) is established to provide neighborhood, community, and regional retail business areas with related uses. The Automobile Parking Zone (P) is established to provide for off-street parking for residential, commercial, industrial, public, and other uses in the City (see Figure C – Zoning).

Currently, the existing zoning is not consistent with the General Plan.

10. **Surrounding Land Uses and Setting:**

	Land Use	General Plan	Zoning
Project Site	**Vacant**	**Medium Density Residential**	**C-L – Limited Commercial & P – Automobile Parking**
North	West Compton Boulevard with Existing Commercial and Single-Family Residential Uses Beyond	Mixed-Use	C-L – Limited Commercial
South	Existing Single-Family Homes	Low-Density Residential	R-M – Medium-Density Residential
East	Small Lot Single-Family Town Homes	Medium-Density Residential	C-L – Limited Commercial
West	Existing Commercial/DNA Liquor Store & Single-Family Residential Uses	Mixed-Use	C-L – Limited Commercial & R-L – Low-Density Residential

11. **Description of the Site and Project:**

Environmental Setting

The Project site consists of approximately 2.45 acres of vacant land. A records review of aerial photography performed for the Phase I Environmental Site Assessment prepared by Stantec Consulting Services, Inc. determined the Project site was used for light agricultural purposes between 1928 and 1963. Then by 1977, the property was developed with a convalescent hospital and associated parking. By 2005 the convalescent hospital had been demolished, and the property has been vacant ever since. It is noted that the City Planning Commission adopted Resolution 3828 on June 13, 2007, for a Conditional Use Permit (CUP) case number 2589, Variance case number 2590, and Tentative Tract Map 67558 to build a Planned Unit Development of 41 townhouse units. However, this project was not built.

The site is bounded by West Compton Boulevard to the north, South Kemp Avenue to the east, South Dwight Avenue to the west, and West 151st Street to the south. Curb, gutter, and sidewalk already exist on West Compton Boulevard, South Kemp Avenue, and South Dwight Avenue. As well, seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees.

Regionally, the subject site is in the Peninsular Ranges geomorphic province, characterizing southern California's southwest portion. It is in these areas where major right-lateral active fault zones predominately trend northwest to southeast. The Peninsular Ranges province comprises plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills, and sedimentary veneers.

The Project site is underlain by undocumented artificial fills and young Quaternary alluvium. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level, with a relative low point near the site's northeast corner. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into West Compton Boulevard and South Kemp Avenue's rights-of-way. Within West Compton Boulevard and South Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility, which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and, ultimately, the Pacific Ocean at San Pedro Bay.

Project Description

The Project consists of the construction of 60 townhomes with private garages, private drive aisles, sidewalks, guest parking areas, and common landscaped areas. The Project site will be accessible via two (2) entrances/exits along West 151st Street. The project is being built under an air space condominium map TM-82807.

The Project has been designed to provide housing for larger families with three (3) and four (4) bedroom floor plan designs. The design includes solar roofs, and the townhomes will be all-electric with no natural gas. Ten (10) of the units will be for moderate-income families, with the other fifty (50) units being market rate.

The Project includes the following discretionary approvals.

- GPA 21-001 – General Plan Map Amendment (GPA) – The amendment changes the land use designation on the subject property from Medium Density Residential (MDR) to General Commercial (GC).
- COZ 21-003 – Change of Zone (CZ) – Change of Zone changes the existing C-L – Limited Commercial & P – Automobile Parking Zones to the C-L – Limited Commercial Zone.
- CUP 21-008 – Conditional Use Permit (CUP) – Conditional Use Permit to permit a condominium development in the C-L – Commercial Limited Zone.
- TTM 21-001 – Tentative Tract Map 82807 – the map subdivides the 2.45-acres to create a single air space condominium map.

In addition, the following approvals will also be needed to process the project.

- Development Agreement – The agreement covers the details of the City's sale of the land known as Assessor's Parcel Number (APN) 6161-001-902 to City Ventures to develop sixty (60) single-family townhomes.
- Density Bonus – Parking Ratio – Tandem Parking pursuant to Government Code Section 65915 (p) (5) a development providing affordable units may provide onsite parking through tandem parking.
- Undergrounding Exemption – The requested exemption regards the undergrounding of utilities on West Compton Boulevard pursuant to Chapter 26 – Undergrounding of Utilities Facilities of the Municipal Code.
- Street Tree Removal – The request to remove the seven (7) mature street trees on West Compton Boulevard should pursuant to Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code.

GPA 21-001 – General Plan Map Amendment (GPA) – (Figure B – General Plan)

The underlying General Plan designation of MDR – Medium-Density Residential is inconsistent with the existing zoning of C-L – Commercial Limited and P – Parking. To create consistency with the General Plan and the Zoning designation of C-L – Commercial Limited while permitting a 60-unit townhome condominium Project the applicant is proposing to change the General Plan land use designation to General Commercial.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and subregional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium-Density and High-Density Residential categories is also allowed in General Commercial.

Since the High-Density Residential General Plan land use designation permits 17.1 to 34 du/acre net, the General Commercial land use designation is an appropriate designation for this Project, which proposes 24.5 du/acre.

COZ 21-003 – Change of Zone (CZ) – (Figure C – Zoning)

The Project proposes to change the existing C-L – Limited Commercial & P – Automobile Parking Zones to the C-L – Limited Commercial Zone. The Limited Commercial Zone (C-L) is established to provide neighborhood, community, and regional retail business areas with related uses.

CUP 21-003 – Conditional Use Permit (CUP) – (Figure E – Conceptual Site Plan)

In the C-L Zone, specific uses are permitted subject to a CUP obtained pursuant to the provisions of Section 30-26 – Conditional Use Permits (CUP) of the City's Municipal Code. permitted with a CUP. Therefore, this Project is being processed under a CUP.

The development proposes sixty (60) townhome units with private garages, private drive aisles, sidewalks, guest parking areas, and common and private landscaped areas. The Project site will utilize two driveways off West 151st Street.

The Project has eight (8) three-story buildings, including four (4) ten-plexes and four (4) five-plexes. There are two plan types: Plan 1 at 1,404-square-feet and Plan 2 at 1,664-square-feet. Plan 1 has a two-car tandem parked private garage on the 1st floor and livable space on the 2nd and 3rd floors. Plan 2 has a two-car side-by-side parked private garage plus livable space on the 1st floor and livable space on the 2nd and 3rd floors. Second and third-floor living spaces for both units will further benefit from private outdoor decks (see Figures F through I).

The building's architectural style is "Transitional," blending both Traditional and Contemporary styles. Exterior façade materials are composed of a stucco field with board & batten siding accents. The roof level is distinguished by a perimeter, asphalt shingled hip roof punctuated with projecting gables and parapets. Architectural accents include aesthetically placed wood trellises, wood guardrails, bracket-supported awning roofs, and contemporary coach lights (see Figures F through I).

Product Information			
Building Type	**Building Size**	**Unit Area**	**Unit Design**
10-plex	15,340 sq. ft.		
Plan 1		1,404 sq. ft.	3 bedrooms 3 baths
Plan 2		1,664 sq. ft.	4 bedrooms 4 baths
5-plex	7,540 sq. ft.		
Plan 1		1,404 sq. ft.	3 bedrooms 3 baths
Plan 2		1,664 sq. ft.	4 bedrooms 4 baths

TTM 21-001 – Tentative Tract Map 82807 – (Figure D – TTM-82807)

The map proposes to subdivide the property into a single air space condominium lot for townhome purposes. On-site streets will be provided as easements.

Development Agreement

The City and City Ventures are entering into a Development Agreement that will provide the details of the City's sale of the land to City Ventures to develop a sixty (60) unit, townhome air space condominium Project.

Density Bonus – Parking Ratio – Tandem Parking

Although the applicant is not requesting a density increase under Density Bonus Law (Government Code 65915) they are providing ten units affordable to moderate income families and are requesting to utilize the tandem parking provision of Density Bonus Law pursuant to Government Code Section 65915 (p) (5). As noted in 65915 (f) the definition of "Density Bonus" for the purpose of the law does not require the increase in density.

Undergrounding Exemption

SCE has overhead transmission lines on four (4) 80-foot-tall poles along the West Compton Boulevard frontage of the Project site. These poles hold sixteen (16) different lines at six (6) different heights on the poles ranging from 12kV to 66kV and including lines for AT&T and Charter. The lines extend to the east and west of the Project site along West Compton Boulevard. All other utilities are underground.

The developer is requesting an exemption from the undergrounding of utilities requirement pursuant to Chapter 26 – Undergrounding of Utilities Facilities of the Municipal Code.

Street Tree Removal

Seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees. The developer proposes to replace the trees with 36" box trees at a one-to-three (1:3) ratio. The developer is seeking approval to remove the damaged tree(s) in accordance with Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code.

Construction Characteristics

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Per the Project-specific scoping agreement (TJW Engineering, Inc.), the Project is to be operational in 2022; therefore, construction is estimated to start no sooner than February 2022.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground

detention systems, which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flow rate (Allowable Q) provided Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H of the Preliminary Hydrology and Hydraulics Study for the Allowable Q provided by LACFCD.

Although the property is relatively flat, the Project will export approximately 4,320 cubic yards of dirt in approximately 308 truckloads. Required street improvements will include the following:

- There will be new sidewalk installed on Compton Boulevard, South Kemp Avenue and Dwight Avenue.
- Curb and gutter will remain unless damaged and directed to be replaced for Compton Boulevard, Dwight Avenue and South Kemp Avenue.
- West 151st Street will receive new curb, gutter and sidewalk.
- There will be new curb returns and curb ramps installed at all four corners of the Project.

The Project includes preliminary grading, drainage, and water quality management plans.

12. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?** Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

Pursuant to California Public Resources Code §21080.3.1(Assembly Bill (AB) 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area with which the tribe is traditionally and culturally affiliated, the City is requesting to conduct AB 52 tribal consultation with your tribe. It is understood that the time allotted for a Native American Tribe to respond to a lead agency and request consultation in writing was recently extended by an additional 30-days in California Public Resources Code §21080.3.1, for a total of 60-days for any housing development project application, determined to be complete on or after March 4, 2020, and before December 31, 2021, under Assembly Bill 1561 approved by the Governor September 28, 2020.

In addition, the Project includes a General Plan Land Use Map change and, therefore, must also comply with California Public Resources Code §65352.3 - 65352.4 (Senate Bill (SB) 18), which requires local governments to conduct meaningful consultation with California Native American tribes on the contact list maintained by the Native American Heritage Commission prior to the adoption or amendment of a city or county general plan to protect Native American cultural places on lands that may be affected by the proposal.

Consultation under AB 52 and SB 18 commenced on April 19, 2021, with six (6) tribes.

- Gabrieleno Band of Mission Indians - Kizh Nation
- Gabrieleno/Tongva San Gabriel Band of Mission Indians
- Gabrielino/Tongva Nation
- Gabrielino Tongva Indians of California Tribal Council
- Gabrielino Tongva Tribe
- Soboba Band of Luiseño Indians

The 60-day response period for AB 52 will end on June 18, 2021. The 90-day response period for SB 18 will end on July 19, 2021. The City will consult with all tribes requesting a consultation and will coordinate the appropriate mitigation if any.

13. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

a. California Water Services Company
b. Los Angeles County Flood Control District
c. Southern California Edison
d. Southern California Gas
e. Statewide Construction General Permit

14. **Other Technical Studies Referenced in this Initial Study (Provided as Appendices):**

A. Compton Residential Development Air Quality and Greenhouse Gas Impact Study – prepared by MD Acoustics LLC, April 14, 2021
B. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
C. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018
D. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019
E. Preliminary Hydrology & Hydraulics Study TTM 82807 – prepared by C&V Consulting, Inc., August 2019, Revised March 2021
F. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021
G. Preliminary Low Impact Development (LID) Plan TTM 82807 – prepared by C&V Consulting, Inc., August 2019, Revised March 2021
H. Compton Residential Development Noise Impact Study – prepared by MD Acoustics LLC, April 14, 2021

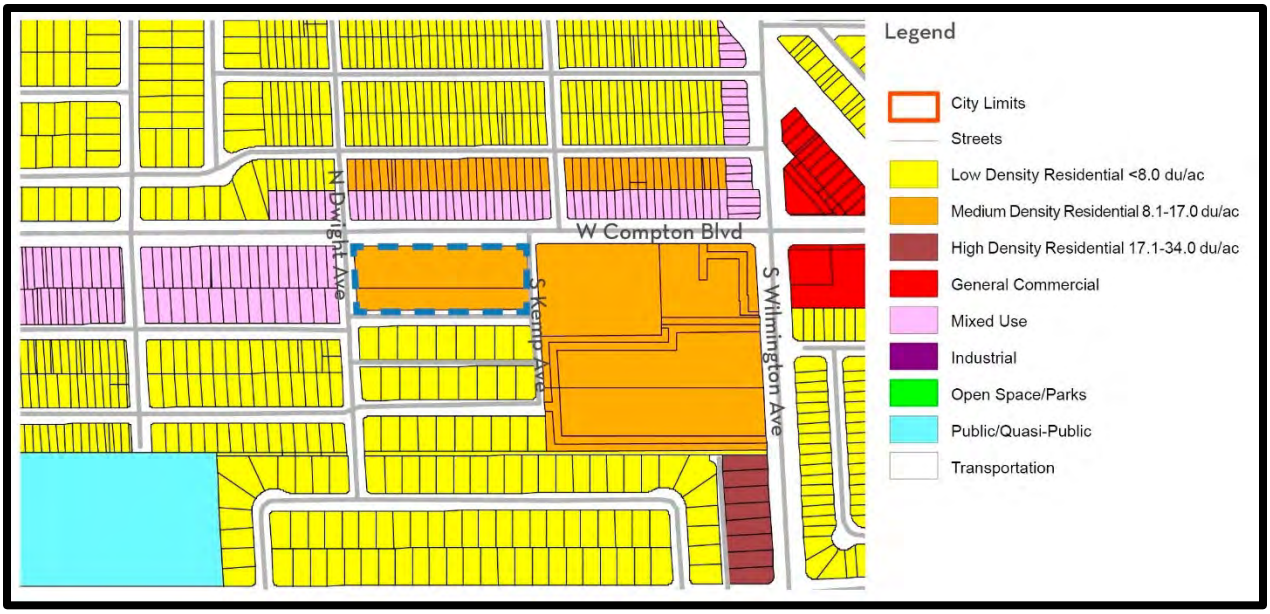
I. Compton & Kemp Traffic Impact Analysis – prepared by TJW Engineering, Inc., September 24, 2019
J. Traffic & Parking Analysis: Compton & Kemp Residential Project – Supplemental Traffic Analysis Memo – prepared by TJW Engineering, Inc., February 26, 2021
K. Figure 9 – Sight Distance Analysis of the Compton & Kemp Traffic Impact Analysis

15. **Acronyms:**

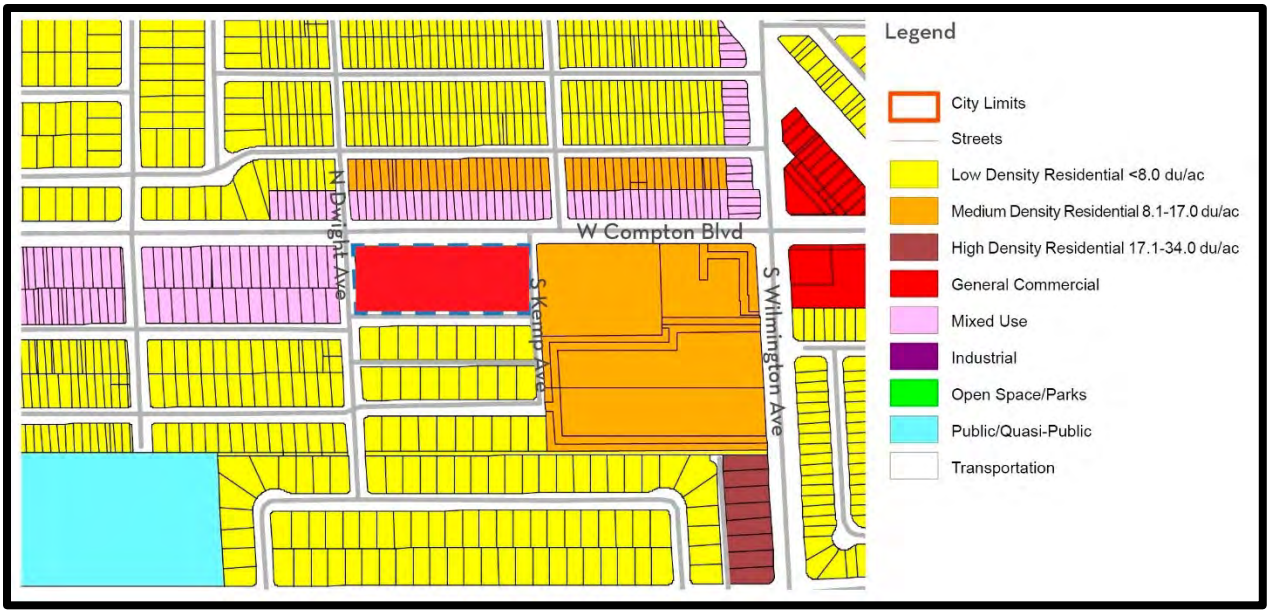
ADA -	American with Disabilities Act
ALUC -	Airport Land Use Commission
ALUCP -	Airport Land Use Compatibility Plan
AQMP -	Air Quality Management Plan
BMP -	Best Management Practice
CEQA -	California Environmental Quality Act
CMC -	Compton Municipal Code
CMP -	Congestion Management Plan
CRTS -	Compton Renaissance Transit System
CUSD -	Compton Unified School District
DTSC -	Department of Toxic Substance Control
DWR -	Department of Water Resources
EIR -	Environmental Impact Report
EOP -	Emergency Operations Plan
FEMA -	Federal Emergency Management Agency
FMMP -	Farmland Mapping and Monitoring Program
GIS -	Geographic Information System
GHG -	Greenhouse Gas
GP -	General Plan
HCM	Highway Capacity Manual
HOA -	Homeowners' Association
IS -	Initial Study
LACFCD -	Los Angeles County Flood Control District
LACDPW -	Los Angeles County Department of Public Works
LACSD -	Los Angeles County Sanitation District
LHMP -	Local Hazard Mitigation Plan
LID -	Low Impact Development
LOS -	Level of Service
LST -	Localized Significance Threshold
MWD -	Metropolitan Water District
NCCP -	Natural Communities Conservation Plan
NPDES -	National Pollutant Discharge Elimination System
OEM -	Office of Emergency Services
OPR -	Office of Planning & Research, State
PEIR -	Program Environmental Impact Report
PW -	Public Works
RCP -	Regional Comprehensive Plan
RTIP -	Regional Transportation Improvement Plan
RTP -	Regional Transportation Plan
SCAG -	Southern California Association of Governments
SCAQMD -	South Coast Air Quality Management District
SCE -	Southern California Edison

SCH -	State Clearinghouse
SWPPP -	Storm Water Pollution Prevention Plan
SWRCB -	State Water Resources Control Board
USFWS -	United States Fish and Wildlife
USGS -	United States Geologic Survey
VMT -	Vehicle Miles Traveled
WQMP -	Water Quality Management Plan

Figure A – Aerial Map



EXISTING GENERAL PLAN



PROPOSED GENERAL PLAN

Figure B – General Plan

Figure C – Zoning

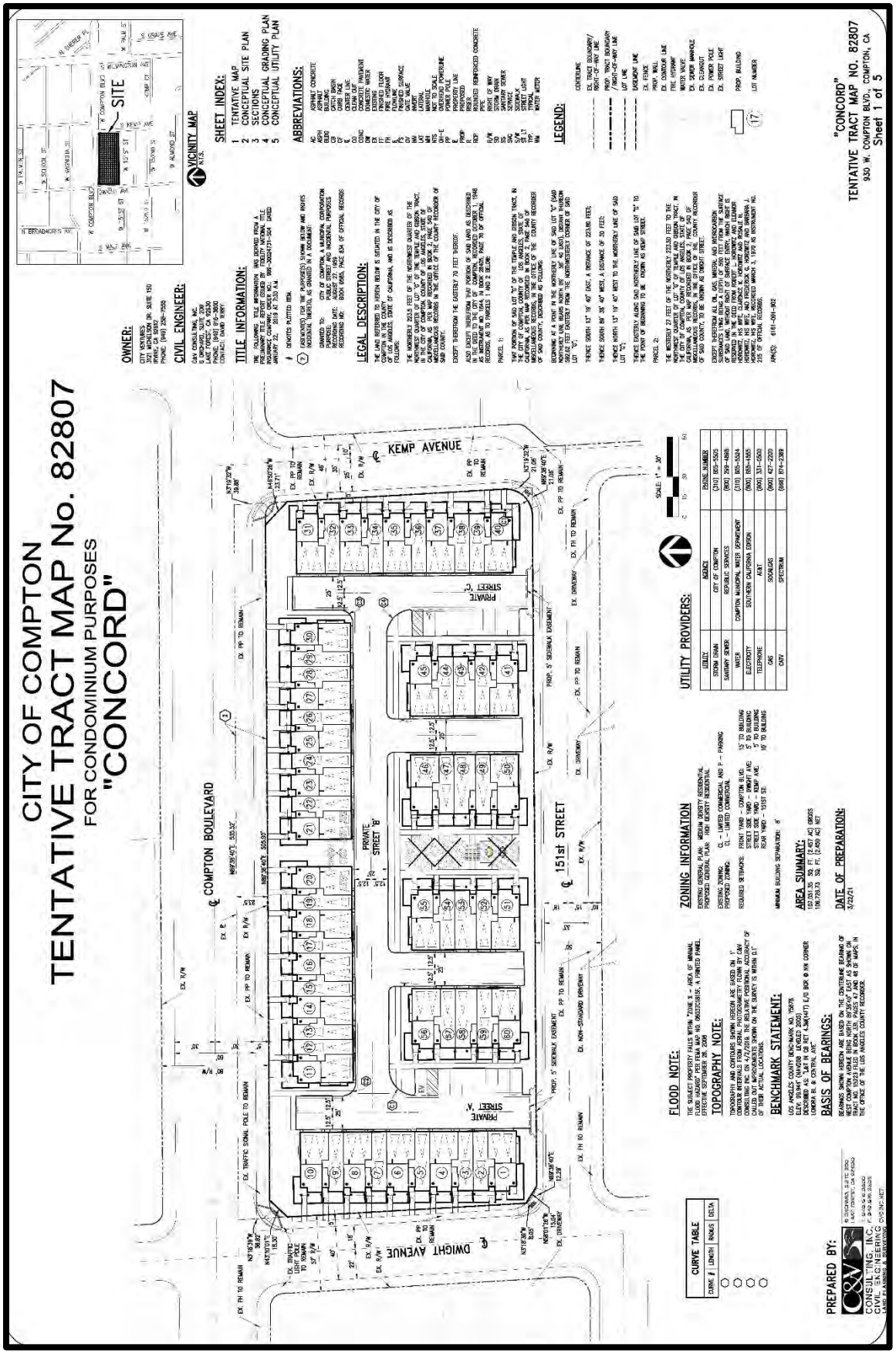


Figure D – TTM 82807

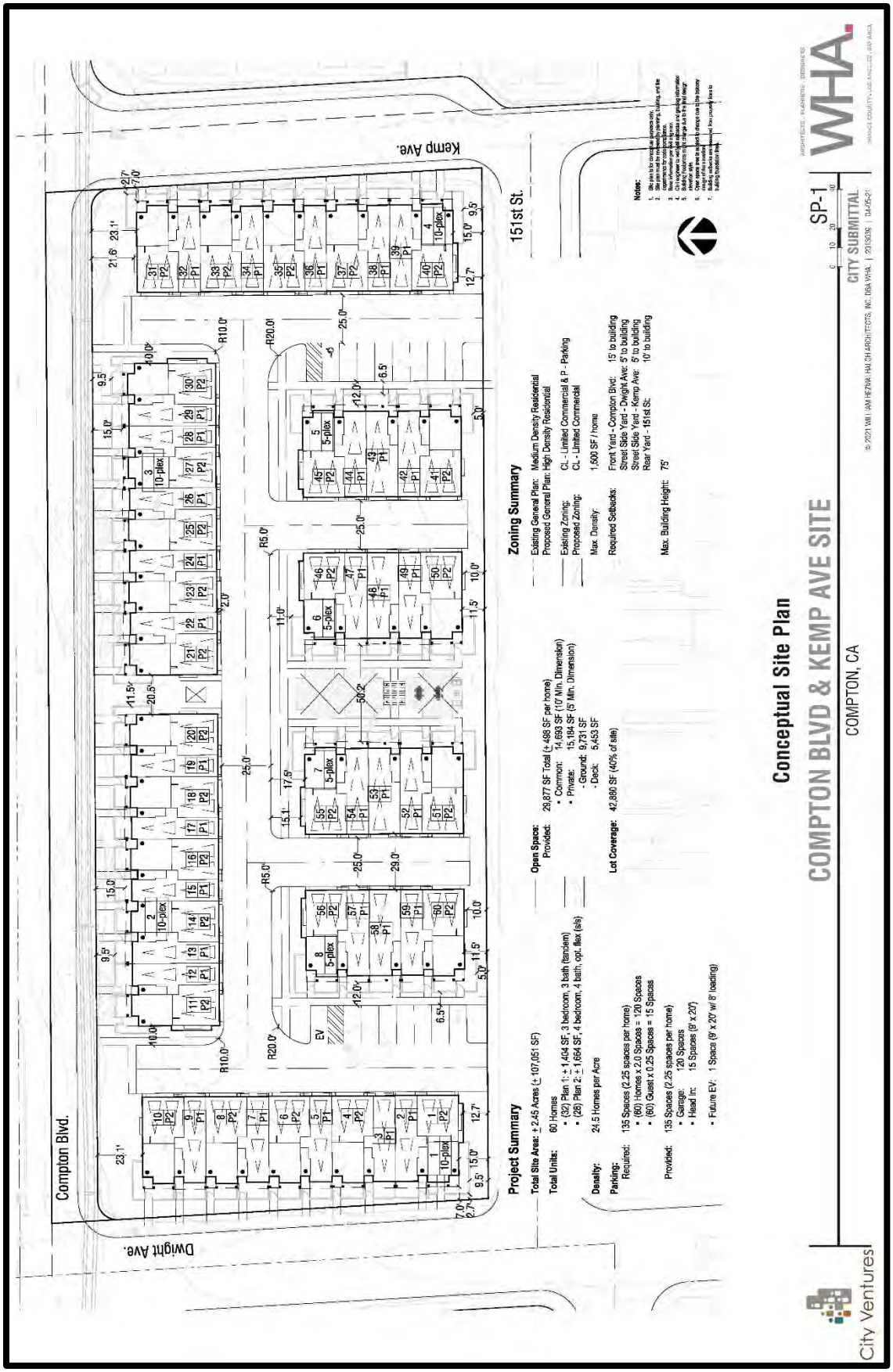
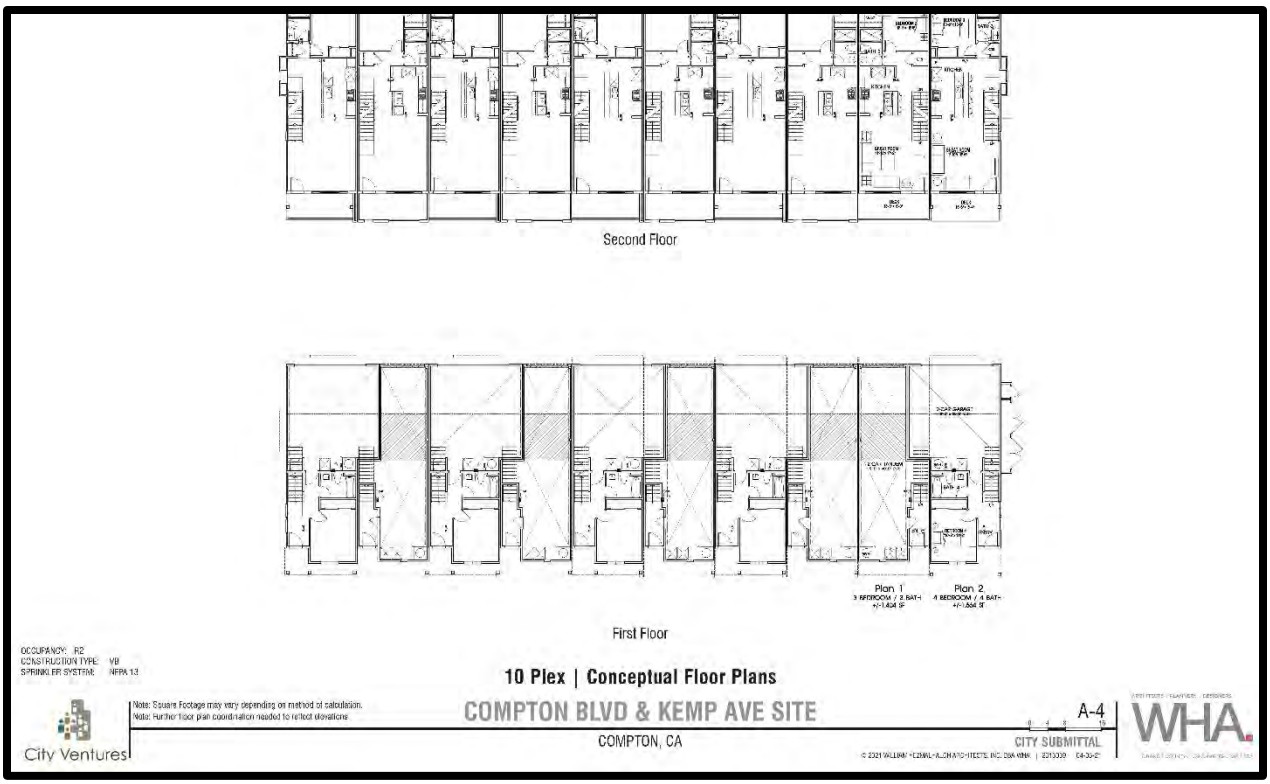


Figure E – Conceptual Site Plan

Figure F – 5 Plex Floor Plans

Figure G – 5 Plex Elevations



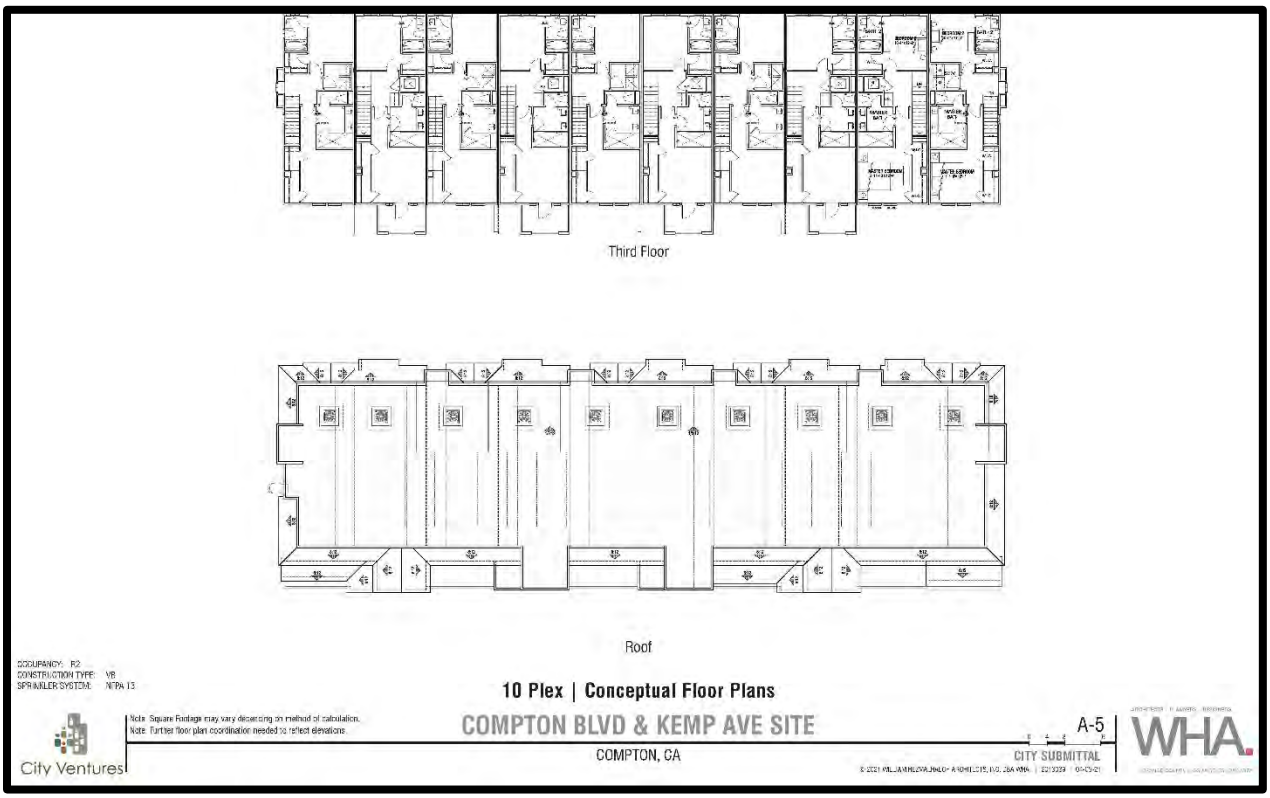


Figure H – 10 Plex Floor Plans

Figure I – 10 Plex Elevations

Figure J – Conceptual Landscape Plans

Site Photo-Looking East into Site from Dwight Ave.

Site Photo-Looking West into Site from Kemp Ave.

Figure K – Photos

Site Photo- Birds-eye | Looking North-West Along Compton Blvd.

Site Photo- Birds-eye | Looking South-East Along 151st Street.

Figure K – Photos

Site Photo-Existing Commercial/Residential Across the Street from Site on Dwight Ave.

Site Photo-Existing Housing Across the Street from Site on Kemp Ave.

Figure K – Photos

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture & Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology & Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology & Water Quality	☐ Land Use & Planning	☐ Mineral Resources
☐ Noise	☐ Population & Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities & Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

DETERMINATION (To be completed by the Lead Agency):

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	Date
Robert Degadillo, City Project Planner	City of Compton
Printed Name	For

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a Lead Agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the Lead Agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect is significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less than Significant Impact." The Lead Agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or another CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a) Earlier Analyses Used. Identify and state where they are available for review.
    b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources. A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify:

   a) the significance criteria or threshold, if any, used to evaluate each question; and
   b) the mitigation measure identified, if any, to reduce the impact to less than significance.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS – Except as provided in Public Resources Code Section 21099 – Modernization of Transportation Analysis for Transit-Oriented Infill Projects – **Would the project:**				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐

Response:

The Project site is relatively flat, vacant, and surrounded by urban development. The proposed three-story residential buildings will complement the surrounding area and will not affect a scenic vista.

The City has evaluated the Project against City standards. The Project has been found, as conditioned, to meet all standards. Therefore, the Project will have a **less than significant impact,** directly, indirectly, or cumulatively on scenic vistas.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐

Response:

The site is bounded by West Compton Boulevard to the north, South Kemp Avenue to the east, South Dwight Avenue to the west, and West 151st Street to the south. Curb, gutter, and sidewalk already exist on West Compton Boulevard, South Kemp Avenue, and South Dwight Avenue. As well, seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees. These trees will be removed during Project construction and replaced with 36" box trees. There will be a one-to-one (1:3) ratio of replacement for each tree. The provisions of Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code will be followed.

Per a review of the CalTrans Scenic Highways Program, no state scenic highways exist in the City of Compton. However, several roadway corridors were highlighted for improvement by the City through design guidelines and regulations, public investment, and private incentives under the 1998 Corridor Improvement Plan. Compton Boulevard is one (1) of these corridors. The City Public Works Department is currently working on the Compton Boulevard Street Design Project, which covers Compton Boulevard between the east and the west City limits. The Public Works Department has reviewed the Project design for consistency with this program.

City staff will ensure that the Project is designed consistent with the City's requirements and the surrounding area. Therefore, the Project will have a **less than significant impact,** directly, indirectly, or cumulatively, on scenic resources within a state or City designated scenic highway/corridor.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐

Response:

The Project is in an urbanized area and has been designed to meet all applicable zoning requirements and other City regulations governing scenic quality. Therefore, the Project will have a **less than significant impact,** directly, indirectly, or cumulatively, on the existing visual character.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☒	☐	☐

Response:

To reduce impacts related to light pollution, the City requires that all developments introducing new light sources, or modifications to existing light sources, to shield all such devices. An exterior lighting plan has been submitted to City for approval. A photometric study and manufacturer's cut sheets of all exterior

lighting on the buildings, landscaped areas, and parking lots was submitted with the exterior lighting plan. All on-site lighting provides a minimum intensity of one-foot-candle at ground level and maximum intensity of ten-foot-candles at ground level throughout the areas serving the public and used for parking, with a ratio of average light to minimum light of four-to-one (4:1). The light sources are shielded to minimize off-site glare, and do not direct light skyward, and are to be directed away from adjacent properties and public rights-of-ways. Lights proposed to be mounted on buildings will be down-lights.

The proposed buildings are designed using an earth tone palette, and the site will include landscaping. Therefore, glare from the buildings should be minimal. Mitigation Measure, **MM AES-1,** will ensure that glare is not a potential issue.

As designed, conditioned, and mitigated, the impacts of lighting and glare will be **less than significant with mitigation,** directly, indirectly, and cumulatively.

MM AES-1: Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone light colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure UD-1 – Urban Design Issue Areas
2. Chapter 30 – Zoning of the Compton Municipal Code
   - Section 30-43.7 – Removal of Landscaping or Trees
3. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code
   - Section 20-4 – Street Trees
4. CalTrans Scenic Highways -- https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways

II.	**AGRICULTURE AND FOREST RESOURCES –** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest protocols adopted by the California Air Resources Board. – **Would the project:**				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒

Response:

The subject site is "*not mapped*" on the Farmland Mapping and Monitoring Program. The "*not mapped*" designation means an area that falls outside of the California Department of Conservation soil survey.

The adjacent properties on all four sides are developed with single-family residential and commercial uses making agricultural uses on the subject site problematic. Development, particularly residential development, can make farming more difficult or costly due to conflicts between non-agricultural and agricultural activities. For example, residents may complain about noise, dust, odors, and low-flying aircraft used to dust or spray crops. Increased restrictions on agriculture processes and other aspects of encroachment on agricultural areas can lower productivity, increase costs, and otherwise impair agricultural operations. The site has been vacant since at least 2005 and was used for a convalescent hospital prior to that time between 1977 and 2005. It is noted that the site was used for light agricultural purposes

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
between 1928 and 1963. Therefore, the Project will have **no impact,** directly, indirectly, or cumulatively on farmland.				
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
Response: The City is primarily an urban environment with no agricultural land under commercial cultivation. The Residential Agriculture (R-A) zoned areas in the City permit private and commercial field crops, orchards, horticultural nurseries, and similar agricultural uses. However, the subject site is zoned C-L and P and is proposed to be zoned R-M-SP-1. These zones do not permit agricultural uses. As well, the site is not subject to a Williamson Act Contract. Therefore, the Project will have **no impact,** directly, indirectly, or cumulatively, on zoning for agricultural use or on a Williamson Act contract.				
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
Response: In Southern California, including the City of Compton, climate and topography limit the types and locations of forest lands and their potential for commercial or industrial timber utilization. Accordingly, there is no existing or currently proposed zoning of forest land, timberland, or Timberland Production Zones within the City. Therefore, the Project would not conflict with the existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production. The Project will have **no impact,** directly, indirectly, or cumulatively.				
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
Response: There is no commercial forestry or timber production industry within the City. Therefore, the Project would not result in the loss of forest land or the conversion of forest land to a non-forest use. The Project will have **no impact,** directly, indirectly, or cumulatively.				
e) Involve other changes in the existing environment which, due to their location or nature, could result in the conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒
Response: As previously indicated, the Project site has not been used for agricultural purposes since 1977 and due to the adjacent residential and commercial uses. Agricultural uses on this site would be problematic. Therefore, the Project would not result in the conversion of farmland to non-agricultural use and will have **no significant impact,** directly, indirectly, or cumulatively.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. California Department of Conservation Important Farmland Finder, accessed September 12, 2019				
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. **Would the project:**				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
Response:				

An Air Quality and Greenhouse Gas Impact Study was prepared for the Project by MD Acoustics. The results follow below.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land-use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required. A proposed project should be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis in the Compton Residential Development Air Quality and Greenhouse Gas Impact Study, neither short-term construction impacts nor long-term operations will result in significant impacts based on the SCAQMD regional and local thresholds of significance.

Therefore, the proposed Project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed Project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed Project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2016, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for consistency with applicable regional plans under CEQA. For this Project, the City of Compton Land Use Plan defines the assumptions represented in the AQMP.

The proposed Project is currently zoned as Limited Commercial (C-L) and Parking (P). It has a land-use classification of Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The Project includes a General Plan Amendment to General Commercial (GC) and a Change of Zone to Limited Commercial Zone (C-L). The Project proposes developing the approximately 2.45-acre Project site with 60 single-family (attached) townhomes at 24.5 dwelling units per acre. Therefore, the proposed Project is not currently consistent with the existing land use designation and zoning.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and sub-regional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium-Density and High-Density Residential categories is also allowed in General Commercial. The High-Density Residential General Plan land use designation permits 17.1 to 34 dwelling units per net acre; therefore, as the Project proposes 24.5 dwelling units per acre, it would be consistent with the proposed General Commercial land use designation.

Therefore, once the General Plan Amendment and Change of Zone are approved, the Project would be consistent with the City's land use and zoning designations. Although the Project may initially result in an inconsistency with the AQMP on paper, the inconsistency would not necessarily constitute a conflict

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

with the AQMP. The SCAQMD acknowledges that strict consistency with all aspects of the AQMP is not required in order to make a finding of no conflict. Instead, a project is considered consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The Project would implement contemporary energy-efficient technologies and regulatory/operational programs required per Title 24, CalGreen, and City standards. Generally, compliance with SCAQMD emissions reductions and control requirements also act to reduce project air pollutant emissions. Project compliance with regulatory/operational programs is consistent with and supports overarching AQMP air pollution reduction strategies. Project support of these strategies promotes timely attainment of AQMP air quality standards and would bring the Project into conformance with the AQMP. Therefore, the proposed Project is not anticipated to exceed the AQMP assumptions for the Project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed Project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a **less than significant impact** will occur on the SCAQMD AQMP directly, indirectly, or cumulatively.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐

Response:

Cumulative projects include local development as well as general growth within the Project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would extend beyond any local projects and, when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the Project's air quality must be generic by nature.

The Project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality and the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The Project does not exceed any of the thresholds of significance and therefore is considered **less than significant**.

c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐

Response:

Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the Project by default is required to incorporate these rules during construction.

Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NOx
- 550 lbs/day of CO
- 150 lbs/day of PM10
- 55 lbs/day of PM2.5
- 150 lbs/day of SO2

Projects in the basin with construction-related emissions exceeding any of the emission thresholds are considered significant under SCAQMD guidelines.

Regional Construction Emissions

The construction emissions for the Project would not exceed the SCAQMD's daily emission thresholds at the regional level, as demonstrated in Table below, and therefore would be considered **less than significant**.

Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Grading						
On-Site[2]	1.54	16.98	9.22	0.02	3.30	2.00
Off-Site[3]	0.04	0.03	0.37	0.00	0.11	0.03
Total	**1.59**	**17.01**	**9.59**	**0.02**	**3.41**	**2.03**
Building Construction						
On-Site[2]	1.86	14.60	14.35	0.03	0.70	0.67
Off-Site[3]	0.34	1.58	2.81	0.01	0.84	0.23
Total	**2.20**	**16.18**	**17.17**	**0.04**	**1.54**	**0.90**
Paving						
On-Site[2]	0.96	8.61	11.68	0.02	0.43	0.40
Off-Site[3]	0.06	0.04	0.51	0.00	0.17	0.05
Total	**1.02**	**8.65**	**12.20**	**0.02**	**0.60**	**0.45**
Architectural Coating						
On-Site[2]	29.75	1.30	1.81	0.00	0.07	0.07
Off-Site[3]	0.05	0.03	0.44	0.00	0.15	0.04
Total	**29.80**	**1.34**	**2.26**	**0.00**	**0.22**	**0.11**
Total of overlapping phases[4]	**33.02**	**26.17**	**31.62**	**0.06**	**2.36**	**1.46**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.
[4] Construction, architectural coatings, and paving phases may overlap.

Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed Project have been analyzed using the CalEEMod model. The operating emissions were based on the year 2023, the anticipated opening year for the Project. The summer and winter emissions created by the proposed Project's long-term operations were calculated, and the highest emissions from either summer or winter are summarized in Table below.

Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	2.26	0.95	5.33	0.01	0.10	0.10
Energy Usage[3]	0.03	0.25	0.11	0.00	0.02	0.02
Mobile Sources[4]	0.72	3.08	10.01	0.04	3.22	0.88
Total Emissions	**3.01**	**4.28**	**15.45**	**0.05**	**3.34**	**1.00**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

The table above provides the Project's unmitigated operational emissions. The table shows that the Project does not exceed the SCAQMD daily emission threshold and regional operational emissions are **less than significant**.

The Project does not exceed any of the thresholds of significance and, therefore, is considered **less than significant**.

Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NOx
- 550 lbs/day of CO
- 150 lbs/day of PM10
- 55 lbs/day of PM2.5
- 150 lbs/day of SO2

Local Microscale Concentration Standards

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, a project is considered to significantly impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact on the South Coast Air Basin. To assess local air quality impacts, the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the South-Central Los Angeles County source receptor area (SRA 12) and a disturbance of two acres per day at a distance of 25 meters (82 feet) for construction.

Localized Construction Emissions

The data provided in the table below shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a **less than significant** local air quality impact would occur from constructing the proposed Project.

Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Grading	16.98	9.22	3.30	2.00
Building Construction	14.60	14.35	0.70	0.67
Paving	8.61	11.68	0.43	0.40
Architectural Coating	1.30	1.81	0.07	0.07
Total of overlapping phases	24.52	27.85	1.21	1.14

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
SCAQMD Threshold for 25 meters (82 feet) or less[2]	**65**	**346**	**7**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for two acres in South Central Los Angeles County Source Receptor Area (SRA 12). Project will disturb a maximum of two acres per day (see Table 7 in the Air Quality and Greenhouse Impact Study).
[2] The nearest sensitive receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site, and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site; however, according to LST methodology, any receptor located closer than 25 meters should be based on the 25-meter threshold.

Localized Operational Emissions

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential to exceed the State and Federal air quality standards in the Project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

As stated previously, according to SCAQMD LST methodology, LSTs would apply to the operational phase of a project if the project includes stationary sources or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed Project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, **no long-term localized significance threshold analysis is warranted.**

Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during the proposed Project's construction. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015, to describe the algorithms, recommended exposure variates, cancer, and noncancer health values, and the air modeling protocols needed to perform a health risk assessment HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all evaluated substances for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed Project would not result in a substantial long-term source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, **no significant short-term toxic air contaminant impacts would occur** during the construction of the proposed Project.

The Project will have a **less than significant impact** on the exposure of sensitive receptors to substantial pollutant concentrations.

d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?	☐	☐	☐	☒

Response:

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors produced during the construction process are short-term in nature. The odor emissions are expected to cease upon the drying or hardening of the odor-producing materials. Diesel exhaust and VOCs would be emitted during construction of the Project, which are objectionable to some; however, emissions would disperse rapidly from the Project site and therefore should not reach an objectionable level nearest sensitive receptors. Due to the short-term nature and limited amounts of odor-producing materials being utilized, **no significant impact** related to odors would occur during the proposed Project's construction.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the Project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the proposed Project's ongoing operations would include odor emissions from trash storage areas. Due to the distance of the nearest receptors from the Project site and through compliance with SCAQMD's Rule 402, **no significant impact** related to odors would occur during the proposed Project's ongoing operations.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Section 4-4 – Air Quality Improvement Trust Fund of the Compton Municipal Code
3. Chapter 30 – Zoning of the Compton Municipal Code
4. Compton Residential Development Air Quality and Greenhouse Gas Impact Study – prepared by MD Acoustics LLC, April 14, 2021

IV. BIOLOGICAL RESOURCES – Would the project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒

Response:

The Project site is vacant and has been since 2005, with annual weed abatement taking place each year. As such, the site does not support habitat for any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations.

A review of the County of Los Angeles' Geographical Information System files on September 13, 2019, found that the Project site was not located in a biologically sensitive area or a Significant Ecological Area (SEA).

The Project will have **no impact** on habitat for any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒

Response:

The Project site is vacant and has been since 2005, with annual weed abatement taking place each year. As such, the site does not have any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or the California Department of Fish and Game or U.S. Fish and Wildlife Service will have **no impact** on these resources.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
The Project site is vacant and has been since 2005, with annual weed abatement taking place each year. As such, the site does not have any state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) resources and, therefore, will have **no impact** on these resources.				
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with an established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
Response: As noted above, the Project site does not support habitat or species and, therefore, will have **no impact** on established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites.				
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
Response: The site is bounded by West Compton Boulevard to the north, South Kemp Avenue to the east, South Dwight Avenue to the west, and West 151st Street to the south. Curb, gutter, and sidewalk already exist on West Compton Boulevard, South Kemp Avenue, and South Dwight Avenue. As well, seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees. These trees will be replaced with 36" box trees at a one-to-one (1:3) ratio per the provisions of Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code. Los Angeles County does have SEA's throughout the County, but a review of the County of Los Angeles' Geographical Information System files on September 13, 2019, found that the Project site was not located in a biologically sensitive area or a SEA. The Project will have **no impact** on local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance				
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or another approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒
Response: As noted above, the Project site does not support habitat or species and, therefore, will have **no impact** on an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or another approved local, regional, or state habitat conservation plan.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code ➢ Section 30-43.7 – Removal of Landscaping or Trees 3. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code ➢ Section 20-4 – Street Trees 4. Los Angeles County General Plan 2008 ➢ Figure 6.3 - Significant Ecological Areas (SEAs)				
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☐	☒
Response: Historical and archaeological resources include the following:				

(1) A resource listed in or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4850 et seq.).

(2) A resource included in a local register of historical resources, as defined in section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.

(3) Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4852)

A review of the National Register of Historic Places Geographic Information System, the California Office of Historic Preservation Website, and the City's General Plan found that Compton is located on one of the oldest communities in Los Angeles County, dating back to 1784 when it was once a part of Rancho San Pedro. One of Compton's first homes, the Heritage House, was built in 1869 and is a State Historic Landmark.

Aerial photographs of the site dating back to 1928 are provided in the Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc. A records review of aerial photography performed for the Phase I Environmental Site Assessment determined the Project site was used for light agricultural purposes between 1928 and 1963. Then by 1977, the property was developed with a convalescent hospital and associated parking. By 2005 the convalescent hospital had been demolished, and the property has been vacant ever since. Therefore, there will be **no impact** on the significance of a historical resource.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☒

Response:

A review of the National Register of Historic Places Geographic Information System, the California Office of Historic Preservation Website, and the City's General Plan found that Compton is located on one of the oldest communities in Los Angeles County, dating back to 1784 when it was once a part of Rancho San Pedro. Archaeological sites exist in the City, but none are located in the area of the subject site. The site has been developed at one time with a convalescent hospital that has since been demolished. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. Therefore, there will be **no impact** on the significance of an archaeological resource.

c) Disturb any human remains, including those interred outside of formally dedicated cemeteries?	☐	☐	☒	☐

Response:

No cemeteries or human remains are known to occur on-site, and it is unlikely that human remains will be uncovered during Project development. Pursuant to CEQA Guidelines 15064.5 (e), in the event of the accidental discovery or recognition of any human remains in any location other than a dedicated cemetery, the following steps shall be taken:

(1) There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

(A) The coroner of the county in which the remains are discovered must be contacted to determine that no investigation of the cause of death is required, and

(B) If the coroner determines the remains to be Native American:

1. The coroner shall contact the Native American Heritage Commission within 24 hours.
2. The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American.
3. The most likely descendent may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains, and any associated grave goods as provided in Public Resources Code Section 5097.98, or

(2) Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance.

(A) The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 24 hours after being notified by the commission.

(B) The descendant identified fails to make a recommendation; or

(C) The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner.

Following the requirements of CEQA Guidelines, 15064.5 (e) will ensure that if human remains are discovered, they will be handled appropriately. Therefore, the Project will have a **less than significant impact** on human remains.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Los Angeles County General Plan 2008
   - Figure 6.8 - Historical and Cultural Resource Sites
4. National Register of Historic Places Geographic Information System, accessed September 13, 2019
5. California Office of Historic Preservation Website, accessed September 13, 2019
6. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018
7. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019

VI. ENERGY – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐

Response:

Construction of the sixty (60) townhomes would require the typical use of energy resources. Energy would be consumed during site clearing, excavation, grading, and construction. The construction process would be typical. No site conditions or Project features would require an inefficient or unnecessary consumption of energy. The Project has been designed in compliance with California's Energy Efficiency

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Standards and 2019 CALGreen Standards (which go into effect on January 1, 2020). These measures include:

- Homes will include Solar and will be all-electric, no natural gas;
- Stormwater drainage and retention during construction;
- Water Conservation;
- Compliance with the City's Landscape & Irrigation Ordinance;
- Construction Site Maintenance and Trash Containment;
- Stormwater/Urban Runoff Management and Discharge Control;
- Air Pollution Reduction;
- Solid Waste Management; and
- All other mandatory CalGreen requirements for residential development.

The operation of the proposed residential units would involve energy for heating, cooling, and equipment operation. These facilities would comply with all applicable California Energy Efficiency Standards and 2019 CALGreen Standards.

Neither the construction nor operation of the Project would result in wasteful, inefficient, or unnecessary consumption of energy or wasteful use of energy resources. Therefore, impacts related to wasteful energy use would be **less than significant**, directly, indirectly, or cumulatively.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Response:

As noted above, the Project has been designed in compliance with California's Energy Efficiency Standards and 2019 CALGreen Standards. The Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency; therefore, impacts would be **less than significant**, directly, indirectly, or cumulatively.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Chapter 15 – Plumbing Code of the Compton Municipal Code
5. Chapter 16 – Electrical Code of the Compton Municipal Code
6. Chapter 17 – Mechanical Code of the Compton Municipal Code
7. Chapter 21 – Integrated Waste Management of the Compton Municipal Code
8. Chapter 23 – Sewer and Water of the Compton Municipal Code
9. Chapter 31 – Runoff Pollution Control of the Compton Municipal Code
10. 2019 California Green Building Standards Code (CALGreen), Title 24, Part 11

VII. GEOLOGY AND SOILS – Would the project:

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐

Response:

Alta California Geotechnical Inc. performed a geotechnical investigation of the property to examine the existing on-site geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and, in large part, control the geologic structure of southern California.

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles southwest of the Puente Hills fault zone, 9.1 miles north Of the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

Surface Rupture

Active faults are not known to exist within the Project area. A review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

Based on this analysis, compliance with an approved Geotechnical report, the California Building Code, and the City of Compton Municipal Code will ensure that risks associated with primary surface ground rupture should be considered "low." Therefore, the potential hazards associated with fault rupture are considered **less than significant,** directly, indirectly, and cumulatively.

ii) Strong seismic ground shaking?	☐	☐	☒	☐

Response:

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

The site has been identified as a "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the Project are presented in Figure 1 of the Geotechnical Report. The structural engineer should verify these parameters. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

Based on this analysis, compliance with an approved Geotechnical report, California Building Code, and the City of Compton Municipal Code will ensure that risks associated with ground shaking are considered **less than significant,** directly, indirectly, and cumulatively.

iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐

Response:

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways, including 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

The more recent sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically induced ground shaking.

Groundwater was not encountered during the geotechnical subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-

high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow stem auger borings and laboratory test results to analyze the liquefaction potential of the young Quaternary alluvium. A description of Alta's analysis and calculations is presented in Appendix E of the Geotechnical Report. A groundwater level of 10 feet below the existing ground surface was assumed. Alta's findings are discussed below under the headings of the specific types of liquefaction, which can be manifested during seismic shaking.

Loss of Bearing:

Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in the geotechnical Report, Alta anticipates that the potential for loss of bearing will be minimal.

Lateral Spreading:

The lateral displacement of surficial blocks of sediment can occur due to liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.); however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen, and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade and that sites underlain by soils with (N1)60 values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

There were no layers within 32 feet of the existing ground surface with (Nl)Go values less than 15 that are susceptible to liquefaction. As such, it is Alta's opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

Settlement:

Settlement due to seismic shaking can occur due to both liquefaction of saturated sediments or rearrangement of dry sand particles. Alta's liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix E of the Geotechnical Report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1 of the Geotechnical Report.

Flow Failure:

Due to the relatively flat nature of the site and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

Implementation of existing state and local laws and regulations concerning soil liquefaction and ground failure is required of all projects in the City. Therefore, impacts related to liquefaction and ground failure would be **less than significant,** directly, indirectly, and cumulatively**.**

iv) Landslides?	☐	☐	☐	☒

Response:

The site is situated on relatively level ground and is not immediately adjacent to any slopes or hillsides that could be potentially susceptible to slope instability. No signs of slope instability in the form of landslides, rockfalls, earth flows, or slumps were observed at or near the subject site during Alta's

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
investigation. As such, risks associated with slope instability should be considered "negligible." Therefore, there will be **no impacts** related to landsliding and slope failure**,** directly, indirectly, and cumulatively**.**				
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
Response: Erosion is a large-scale impact caused by human activity and disturbance of surface soil, wind, and water. Erosion cannot be eliminated, although existing regulations such as the CBC (which includes erosion control measures and best management practices) and NPDES permit requirements can reduce the potential impacts of erosion. No signs of erosion were observed during Alta's field investigation. Risks associated with flooding and erosion should be evaluated and mitigated by the project design Civil Engineer. The Project does propose to export approximately 4,320 cubic yards of soil. No import of soil is expected. Adherence to state and local regulations will reduce impacts related to erosion to **less than significant**, directly, indirectly, and cumulatively.				
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
Response: See Responses VII a iii and iv above, and d below for additional information. Adherence to the recommendations of the geotechnical investigation will ensure that the Project will have a **less than significan**t impact on on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse either directly, indirectly, or cumulatively.				
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
Response: Expansive soils contain certain types of clay minerals that shrink or swell as the moisture content changes; the shrinking or swelling can shift, crack, or break structures built on such soils. Arid or semi-arid areas with seasonal changes of soil moisture experience a much higher frequency of problems from expansive soils than areas with higher rainfall and more constant soil moisture. The California Building Code (CBC) 2016, Volume 2, Chapter 18, Division 1 Section 1803.2 mandates that special foundation design consideration is employed if the soil expansion Index is 20 or greater in accordance with Table 18-1-B. The methodology and scope for a geotechnical investigation are described in UBC Section 1803 and require assessing various factors, such as slope stability, soil strength, adequacy of load-bearing soils, the presence of compressible or expansive soils, and the liquefaction potential. The required content of the geotechnical report includes recommendations for foundation type and design criteria. These recommendations can include foundation design provisions intended to mitigate the effects of expansive soils, liquefaction, and differential settlement. In general, mitigation can be accomplished by combining ground modification techniques (i.e., stone columns, reinforcing nails and anchors, deep soil mixing, etc.), selecting an appropriate foundation type and configuration, and using appropriate building/foundation structural systems. Section 1804.5 Excavation, Grading, and Fill require the preparation of a geotechnical report where a building will be constructed on compacted fill. The International Building Code (IBC) replaced earlier regional building codes (including the Uniform Building Code) in 2000 and established consistent construction guidelines for the nation. In 2006, the IBC was incorporated into the 2007 California Building Code (CBC) and currently applies to all structures being constructed in California. The national model codes are therefore incorporated by reference into				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

the building codes of local municipalities. The CBC includes building design and construction criteria that take into consideration the State's seismic conditions.

Through adherence to state and local seismic and structural regulations (i.e., California Seismic Hazards Mapping Act, California Building Code, Compton Municipal Code, and the NPDES Permit Requirements), the impacts of expansive soils will be **less than significant**, directly, indirectly, or cumulatively.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒

Response:

The Project will be served by the Los Angeles County Sanitation District (LACSD) sewer infrastructure. C&V Consulting, Inc. has prepared a Sewer Area Study. The existing sewer system analyzed in the area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B of the Sewer Area Study for calculations and tabulated results. Therefore, it is concluded that the existing sewer system has adequate capacity for the proposed development.

Therefore, the Project will have **no impact,** directly, indirectly, or cumulatively in regard to septic systems, and the existing sewer system has adequate capacity for the proposed development.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒

Response:

The Project site and the surrounding area, because of its artificial fill and alluvial geology, are not considered to be likely candidates for the discovery of paleontological resources. The likelihood of discovering such materials is also considered low due to the previous disturbance that has occurred on the site and the presence of fill materials. Therefore, the Project will not disturb any paleontological resources, and **no impacts** are anticipated.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure PS-1 – Regional Fault Zones
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
5. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021

VIII. GREENHOUSE GAS EMISSIONS – Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐

Response:

An Air Quality and Greenhouse Gas Impact Study was prepared for the Project by MD Acoustics. The results follow below.

The greenhouse gas (GHG) emissions from Project construction equipment and worker vehicles are shown in the table below. The emissions are from all phases of construction. The total construction emissions amortized over 30 years are estimated at 24.54 metric tons of CO2e per year. Annual CalEEMod output calculations are provided in Appendix B of the Air Quality and Greenhouse Gas Impact Study.

Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	Onsite	Offsite	Total
Grading	9.1	0.5	9.6
Building Construction[2]	480.0	225.7	705.7
Paving	15.6	1.4	17.0
Coating	2.6	1.2	3.8
Total	507.3	228.8	736.1
Averaged over 30 years[2]	17	8	24.54

Notes:
1. $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane, and nitrous oxide).
2. The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.
* CalEEMod output (Appendix B of the Air Quality and Greenhouse Impact Study)

Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The unmitigated operational emissions for the Project are 833.41 metric tons of CO2e per year, as shown in the table below. Therefore, the Project's GHG
emissions do not exceed the SCAQMD draft threshold of 3,000 metric tons CO2e per year for all land uses. Therefore, the proposed Project's GHG emissions are **less than significant**.

Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	13.98	13.98	0.00	0.00	14.08
Energy Usage[3]	0.00	133.38	133.38	0.00	0.00	133.98
Mobile Sources[4]	0.00	615.82	615.82	0.03	0.00	616.58
Solid Waste[5]	5.60	0.00	5.60	0.33	0.00	13.88
Water[6]	1.24	24.94	26.18	0.13	0.00	30.35
Construction[7]	0.00	24.45	24.45	0.00	0.00	24.54
Total Emissions	6.84	812.57	819.42	0.50	0.01	**833.41**
SCAQMD Draft Screening Threshold						**3,000**
Exceeds Threshold?						**No**

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consists of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30-year amortization rate.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emission of greenhouse gases?	☐	☐	☒	☐

Response:

The proposed Project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. The City of Compton does not currently have a Climate Action Plan; therefore, the Project has been compared to the goals of the CARB Scoping Plan and the GHG emissions reduction goal of SB-32.

Scoping Plan

The Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of 14 tons of carbon dioxide for every man, woman, and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This Update identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB released the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates,
and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade Program, which constrains and reduces emissions at covered sources.

Project Consistency with CARB Scoping Plan Policies and Measures1

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel, and vehicle technology programs with long-term climate change goals.	**Consistent.** These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency, including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	**Consistent.** The Project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	**Consistent.** The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards mandatory in the 2019 edition of the Code on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The Project will be subject to these mandatory standards.

High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	**Consistent.** CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the Project are required to comply with the measures and will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	**Consistent.** The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The Project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	**Consistent.** The Project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further, increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	**Consistent.** These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero-emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero-emission and plug-in hybrid light-duty electric vehicles by 2030.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero-emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. New natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement Mobile Source Strategy: Last-Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last-mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction to achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	**Consistent.** The Project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	**Consistent**. The Project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply with the 75 percent reduction required by 2020 per AB 341.
Notes: 1. Source: CARB Scoping Plan (2008 and 2017)	

As the latest 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in the table below. As shown in the table below, the Project is consistent with the applicable strategies and would result in a **less than significant impact**.

SB-32

SB-32 requires the state board to ensure that statewide greenhouse gas emissions are reduced to 40 percent below the 1990 level by 2030. SCAQMD's thresholds used Executive Order S-3-05 goal as the

the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

As the SCAQMD uses EO S-3-05 as the basis for their screening level, and EO S-3-05 includes the long-term goal to reduce greenhouse gas emissions to 80 percent below 1990 levels by 2050, the Project would also be consistent with the goal of SB 32 (to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030). Therefore, projects that meet the current interim emissions targets/thresholds established by SCAQMD would also be on track to meet the reduction targets for 2030. Furthermore, all of the post-2020 reductions in GHG emissions are addressed via regulatory requirements at the State level. The Project will be required to comply with these regulations as they come into effect.

Therefore, as the Project's emissions do not exceed the SCAQMD draft GHG emissions threshold of 3,000 metric tons CO2e per year, the Project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the Project will comply with applicable Green Building Standards and City of Compton's policies regarding sustainability (as dictated by the City's General Plan) and, therefore, will have **a less than significant impact** as noted above.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Section 4-4 – Air Quality Improvement Trust Fund of the Compton Municipal Code
5. Compton Residential Development Air Quality and Greenhouse Gas Impact Study – prepared by MD Acoustics LLC, April 14, 2021

IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☐	☒

Response:

Hazardous materials are highly regulated in California, including how they are transported, used, and stored. The development of a residential project will not result in the transport, use, or storage of massive quantities of hazardous materials. The City relies on the Fire Department's assistance and the County's Department of Environmental Health in the regulation of hazardous materials.

The residents of the Project will store and use various chemicals for routine housekeeping and landscaping purposes. Comparable products will be required for the common recreation areas and general Project maintenance. However, none of these chemicals will be used in sufficient quantities to pose a threat to humans or the environment. Therefore, there will be **no project-related impacts** associated with the hazardous materials**,** directly, indirectly, or cumulatively.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐

Response:

The Project will not create hazards to the public through upset or accident as through the construction process; any hazardous materials will be handled, stored, and used in compliance with all Federal, State, and City regulations. As noted above, the Project will create single-family residences that will store and use various chemicals for routine housekeeping and landscaping purposes. Comparable products will be required for the common recreation areas and general Project maintenance. However, none of these chemicals will be used in sufficient quantities to pose a threat to humans or the environment. Therefore

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
there will be **no project-related impacts** associated with the hazardous materials**,** directly, indirectly, or cumulatively.				
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
Response: The Laurel Street Elementary School (1321 West Laurel Street) is located approximately 641-feet from the closest point of the subject property or a little over a .12 of a mile. Any hazardous materials will be handled, stored, and used in compliance with all Federal, State, and City regulations through the construction process. As noted above, the Project will create single-family residences that will store and use various chemicals for routine housekeeping and landscaping purposes. Comparable products will be required for the common recreation areas and general Project maintenance. However, none of these chemicals will be used in sufficient quantities to pose a threat to humans or the environment. The Project will not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste to cause danger to surrounding schools. Therefore, **no impacts,** directly, indirectly or cumulatively to schools will occur.				
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
Response: Per the Phase I Environmental Site Assessment prepared by Stantec, the subject property is not located on a site included in a list compiled pursuant to Government Code Section 65962.3. The EnviroStor database did indicate that there are sites in the vicinity that may represent Recognized Environmental Conditions (RECs), Historical Recognized Environmental Conditions (HRECs), or de minimis conditions; however, the distance of these other sites from the subject site with respect to and the groundwater flow direction, the native soils, and regulatory status, none of the other sites are expected to affect the soil or groundwater quality at the subject site. Nevertheless, due to the historic use of the property for light agriculture, a Phase II Environmental Site Assessment was performed by Stantec, with six (6) borings occurring on April 24, 2019. Analysis of the borings concluded that the historical agricultural use of the property did not represent a REC or human health risk considering the contemplated residential use of the subject site. It is noted that the City has numerous high-pressure natural gas and petroleum pipelines. One such line, a natural gas line, is located within West Compton Boulevard. The Office of Pipeline Safety of the U.S. Department of Transportation is the primary agency responsible for inspecting and maintaining pipelines running through the City. To ensure safety during construction, all requirements of Section 20-3 – Street Excavations shall be required, as applicable. Therefore, this Project will have **no impact,** directly, indirectly, or cumulatively, in creating a significant hazard to the public or the environment.				
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
Response: The Project is not located within a Los Angeles County Airport Land Use Commission (ALUC) area. The closest Airport is the Compton/Woodley Airport, but the subject site is outside the airport influence area for this airport.				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Given the above guidelines, the Project will have **no impact** on creating a safety hazard for people residing or working in the Project area from airport operations, directly, indirectly, and cumulatively.				
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

Response:

Los Angeles County adopted the All-Hazards Mitigation Plan (AHMP), providing a framework for emergency response. The City also maintains an Emergency Operations Plan (EOP) that documents City policies for responding to major emergencies that threaten life, safety, and property. The plan establishes a chain of command and outlines the responsibilities of various City departments in the event of an emergency. The General Plan establishes Compton Boulevard as an evacuation route.

Two (2) driveways will provide project access off West 151st Street. The Project site is bounded by West Compton Boulevard to the north, West 151st Street to the south, South Kemp Avenue to the east, and South Dwight Avenue to the west. These existing streets are within the City's established street system. The Project will not alter the existing circulation pattern in the Project area. Emergency access and evacuation routes will be unaffected by the Project. In addition, the Project will comply with Section 20-6 – Temporary Street Closures of the Municipal Code should any of the four streets/sidewalks/bicycle lanes need to be temporarily closed during construction.

The Project provides adequate access for emergency vehicles, including adequate street widths and vertical clearance on new streets. Implementation of federal, state, and local laws and regulations in this Project's construction ensures **no impact** on an adopted emergency response plan or evacuation plan.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

Response:

The Project site is not within a fire hazard zone, as defined by the Los Angeles County AHMP, Figure 7-1 – Los Angeles County Very High Fire Hazard Severity Zones. The City maintains its own Fire Department. The Project will not expose people or structures to significant risks associated with wildfires and, therefore, **no impact**, directly, indirectly, or cumulatively will occur.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure PS-2 – Hazards Summary
   - Figure PS-3 – Pipeline Locations
   - Figure PS-4 – Emergency Evacuation Routes
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code
   - Section 20-3 – Street Excavations
   - Section 20-6 – Temporary Street Closures
4. Compton Unified School District website – accessed September 21, 2019
5. Los Angeles County Airport Land Use Commission website and GIS mapping – accessed September 21, 2019
6. Los Angeles County Local All-Hazards Mitigation Plan – adopted 2014
   - Figure 7-1 – Los Angeles County Very High Fire Hazard Severity Zones
7. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018
8. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019

X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

See responses in Section XVX below for further information on water and wastewater.

The existing site is currently vacant, pervious land. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level, with a relative low point near the site's northeast corner. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into the rights-of-way of West Compton Boulevard and South Kemp Avenue. Within West Compton Boulevard and South Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility within West Compton Boulevard, which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and ultimately the Pacific Ocean at San Pedro Bay.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground detention systems, which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flow rate (Allowable Q) provided by the Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H of the Preliminary Hydrology and Hydraulics Study for the Allowable Q provided by LACFCD.

The Project will comply with the requirements of Chapter 31 – Runoff Pollution Control of the Municipal Code. As such, a Preliminary Low Impact Development (LID) Plan has been prepared consistent with the Los Angeles County Department of Public Works LID Manual and the intent of the NPDES storm-water requirements (State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002, dated July 1, 2010).

The Project will be served by the Los Angeles County Sanitation District (LACSD) sewer infrastructure. C&V Consulting, Inc. has prepared a Sewer Area Study. The existing sewer system analyzed in the area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B of the Sewer Area Study for calculations and tabulated results. Therefore, it is concluded that the existing sewer system has adequate capacity for the proposed development.

The Project's design and compliance with existing federal, state, and local water quality laws and regulations related to water quality standards will ensure a **less than significant impact,** directly, indirectly, and cumulatively to water quality and discharge.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐

Response:

The City is located in the Central Basin groundwater basin. The Central Subbasin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. This subbasin is commonly referred to as the "Central Basin." It is bounded on the north by a surface divide called the La Brea high and, on the northeast, and east by emergent, less permeable Tertiary rocks of the Elysian, Repetto, Merced, and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean. The average precipitation throughout the subbasin ranges from 11 to 13-inches, with an average of around 12-inches.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The City uses a blend of predominate groundwater from the Central Basin groundwater basin and surface water imported by the Metropolitan Water District of Southern California (MWD). MWD's imported water sources are a blend of State Water Project water from Northern California and water from the Colorado River Aqueduct. The City has court adjudicated water rights to pump approximately 70 percent of the City's water demand. The City utilizes eight (8) groundwater wells to pump potable water from a natural underground reservoir. The City also has three (3) imported water connections that help supplement the City's water demands.

The Project will be required to comply with City's water-efficiency requirements, including the use of drought-tolerant planting materials and limited landscaping irrigation, as well as all water restrictions imposed by the Los Angeles County Department of Public Works (LACDPW) at the time the Project is constructed. Implementation of these and other applicable requirements, including those noted in Response X a) above, will assure that water-related impacts to groundwater recharge are reduced to **less than significant**, directly, indirectly, and cumulatively.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) Result in substantial erosion or siltation on- or off-site?	☐	☐	☒	☐

Response:

There are no natural drainages on the Project site; the Project will not alter any existing drainage patterns. Proposed drainage will be directed as sheet flow overland and through a series of area drains toward proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to discharging to the existing LACFCD 66" storm drain within West Compton Boulevard. The proposed area drain system will collect surface runoff within landscaped and backyard areas and convey flows directly to the proposed MWS Biofiltration Vaults via the proposed underground storm drain. Street surface flows will be conveyed via the proposed curb and gutter toward two (2) proposed curb-inlet catch basins located along the private drive aisle. The proposed catch basins will be equipped with a Dvert system designed to divert low flows to the proposed MWS Biofiltration Vaults. Treated stormwater will be conveyed via proposed underground storm drain to proposed underground detention systems, which will be outflow controlled to mitigate peak discharge to the existing LACFCD storm drain within West Compton Boulevard. During larger storm events and when the MWS Biofiltration Vaults are at capacity, the Dvert system within the catch basins and an internal bypass within the MWS Biofiltration Vaults will allow for high flows to bypass treatment and flow directly to the proposed detention systems via the proposed storm drain system. Drainage from the site will be conveyed from the detention system to the existing LACFCD 66" storm drain at two (2) points of connection. Upon discharging to the existing LACFCD storm drain, site runoff will follow the historic drainage pattern.

Implementing Best Management Practices (BMPs) required by the City and implemented through the Project's Low Impact Development (LID) Plan will mitigate potential erosion impacts to a **less than significant** level directly, indirectly, and cumulatively.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?	☐	☐	☒	☐

Response:

In addition to Response X a) & b) above, the design and implementation of the basins will be reviewed and approved by the City Engineer as well as the Los Angeles County Department of Public Works (LACDPW) to assure compliance with all applicable local, state, and Federal standards.

Implementation of these and other applicable requirements will assure that drainage and stormwater will not create or contribute water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Therefore, the Project will have a **less than significant impact**, directly, indirectly, or cumulatively to the rate or amount of surface runoff in a manner that would result in flooding on- or off-site.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒	☐
Response: See Response X a) & b) above.				
iv) Impede or redirect flood flows?	☐	☐	☐	☒
Response: No signs of flooding were observed when Alta did their field investigation for the Geotechnical Report. As described throughout this section, the Project will be required to comply with all applicable water quality standards. To further minimize potential water quality degradation, the Project will be connected to the sewer system and on-site/off-site stormwater conveyance system. **No impacts** to Project-related water quality degradation will occur, directly, indirectly, and cumulatively.				
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
Response: A seiche and tsunami are defined below. Since the Project site is not located near a body of water or the ocean, the Project is not subject to these hazards. A seiche is a temporary disturbance or oscillation in the water level of a lake or partially enclosed body of water, especially one caused by changes in atmospheric pressure. Tsunami is a long high sea wave caused by an earthquake, submarine landslide, or other disturbance. The Project site is not located within a 100-year mapped flood zone (FEMA Flood Insurance Rate Map No. 06037C1815F (September 26, 2008). The Project would redirect on-site drainage patterns; however, it would not impede or redirect flood flows. As referenced, all drainage would be managed to ensure pre-construction flows off-site are maintained. The Project would not expose people or structures to flood hazards from severe storm events. Compliance with existing federal, state, and local flood hazard laws and regulations pertaining to the design of the Project will ensure the Project will **not be impacted** by a flood hazard directly, indirectly, or cumulatively.				
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☐	☒
Response: As noted throughout this Section, the Project will comply with all City, County, state, and federal requirements for water quality and sustainable groundwater. Compliance with existing federal, state, and local flood hazard laws and regulations pertaining to the design of the Project will ensure that the Project will have result in **no impact** from a flood hazard impact, directly, indirectly, and cumulatively.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. Chapter 14 – Building and Housing of the Compton Municipal Code 4. Chapter 23 – Sewer and Water of the Compton Municipal Code 5. Chapter 31 – Runoff Pollution Control of the Compton Municipal Code 6. FEMA Flood Map Service Center: Search By Address website, accessed September 22, 2019 7. Los Angeles County Department of Public Works LID Manual 8. State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

9. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
10. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021
11. Preliminary Hydrology and Hydraulics Study – prepared by C&V Consulting Inc., August 2019, Revised, March 2021
12. Preliminary Low Impact Development Plan – prepared by C&V Consulting Inc., August 2019, Revised, March 2021

XI. LAND USE AND PLANNING – Would the project:

a) Physically divide an established community?	☐	☐	☐	☒

Response:

The Project site is vacant land with established single-family residential neighborhoods to the east and south and commercial development to the west and north. An additional sixty (60) townhomes will not divide an existing community but rather will expand an existing community. Therefore, **no impact** either directly, indirectly, or cumulatively will occur to an established community.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Response:

The underlying General Plan designation of MDR – Medium-Density Residential is inconsistent with the existing zoning of C-L – Commercial Limited and P – Parking. To create consistency with the General Plan and the Zoning designation of C-L – Commercial Limited while permitting a 60-unit townhome condominium Project the applicant is proposing to change the General Plan land use designation to General Commercial.

The General Commercial category allows any use permitted in the Medium-Density and High-Density Residential categories. Since the High-Density Residential General Plan land use designation permits 17.1 to 34 du/acre net, the General Commercial land use designation is an appropriate designation for this Project, which proposes 24.5 du/acre.

In addition, the applicant is also proposing to change the existing C-L – Limited Commercial & P – Automobile Parking Zones to the C-L – Limited Commercial Zone. The Limited Commercial Zone (C-L) is established to provide neighborhood, community, and regional retail business areas with related uses.

The proposed General Plan land use designation and zone change will bring consistency between the two land-use maps while implementing the General Plan policies, including the following:

Land Use Element

Policy 2.1 (M): Provide increased market-rate housing opportunities.

Housing Element

Goal 1: The City of Compton will improve the housing supply and the choice of housing opportunities through private investment and, where necessary, through public action and financing.

Policy 2.3: The City of Compton will encourage variety in the supply of housing at costs affordable to the various income levels of the population.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The Project will not result in a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect as the proposed changes are in accordance with the City's plans, policies, and regulations established in the General Plan or Zoning Ordinance; therefore, a **less than significant impact,** directly, indirectly, or cumulatively to will occur.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. City of Compton Adopted 2013 – 2021 Housing Element Update, February 2020
3. Chapter 30 – Zoning of the Compton Municipal Code

XII. MINERAL RESOURCES – Would the project:

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☒	☐

Response:

Mineral deposits are limited to clay deposits used for bricks within the City. However, the City is near a number of active oil fields. The Rosecrans oilfield is located approximately two miles to the west. The East Los Angeles oilfield is located approximately seven (7) miles to the northeast, and the Dominguez oilfield is located approximately five (5) miles to the south. There are also several oil and natural gas wells located in the City. Most of these wells are in the southern portion of the City.

Based on Alta's review of geologic literature and their subsurface investigation, the Project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill, which consists of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff, and medium dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

The artificial fill is most likely a result of the previous convalescent hospital development. As such, the clay within the fill would not be beneficial for the making of brick.

The Surface Mining and Reclamation Act (SMARA) Mineral Land Classification system designates the City as being in the San Gabriel Production-Consumption Region. However, the Project site occurs in an urban setting and is not suitable for mineral resource land uses. The Project will have a **less than significant impact**, directly, indirectly, and cumulatively on mineral resources.

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Response:

The Project site is not delineated on a local general plan, specific plan, or other land use plan and will, therefore, have **no impact**, directly, indirectly, and cumulatively on the availability of important mineral resources.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

3. California Department of Conservation California Geologic Survey CGS Information Warehouse: Mineral Land Classification, GIS, accessed September 22, 2019
4. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019

XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐

Response:

A Noise Impact Study was prepared for the Project by MD Acoustics. The results follow below.

Existing Noise Environment

Four (4) short term ambient noise measurement was conducted at the Project site. The measurements measured the 1-hour Leq, Lmin, Lmax, and other statistical data (e.g., L2, L8). The noise measurement was taken to determine the existing baseline noise conditions.

Short-Term Noise Measurement Results

The results of the short-term noise data are presented in the table below.

SHORT-TERM NOISE MEASUREMENT DATA (dBA)[1]									
Location	**Date**	**Start Time**	**Leq**	**Lmax**	**Lmin**	**L(2)**	**L(8)**	**L(25)**	**L(50)**
Site 1	5/14/2019	10:42 AM	69.6	85.8	45.2	44.9	46.9	54.5	53.9
Site 2	5/14/2019	11:08 AM	73.3	92.3	48.0	55.3	59.0	61.4	65.8
Site 3	5/14/2019	11:16 AM	49.7	91.2	37.4	46.8	47.1	52.4	55.4
Site 4	5/14/2019	11:23 AM	54.1	94.8	41.9	44.9	46.9	54.5	53.9
Notes:									
[1.] Measurements were taken over a ten-minute interval.									

Short-term noise data indicates the ambient noise levels range between 54.1 to 73.3 dBA Leq. The measured noise levels and field notes indicate that traffic noise is the main source of noise impacting the Project site.

Future Noise Environment Impacts and Mitigation

The Noise Impact Study analyzed future noise impacts to the Project and compared the results to the City's Noise Standards. The analysis detailed the estimated exterior noise levels associated with traffic from adjacent roadway sources.

Off-site Traffic Noise Impact

The potential off-site noise impacts caused by the increase in vehicular traffic due to the Project were calculated at a distance of 50 feet. The distance to the 55, 60, 65, and 70 dBA CNEL noise contours are also provided for reference. The noise level at 50 feet is representative of approximate distances to existing homes along the subject roadway. The noise contours were calculated for the following scenarios and conditions:

- LOS D Condition: This scenario refers to the existing year traffic noise condition and is demonstrated in the table below.
- LOS D + Project Condition: This scenario refers to the existing year plus project traffic noise condition and is demonstrated in the table below.

LOS D/LOS D + Project Scenario Comparison

The table below provides the LOS D and LOS D + Project noise conditions and shows the change in noise level due to the proposed Project. As shown in the table, the increase in traffic noise for the Existing and Existing + Project scenario would have a nominal increase of 0.1 dBA at 50 feet from the centerline of the subject roadway.

LOS D Without Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	36	78	169	363

Change in LOS D + Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	37	79	171	367

Change in LOS D Noise Levels as a Result of Projects

Roadway[1]	Segment	CNEL at 50 Feet dBA[2]			
		Existing Without Project	Existing With Project	Change in Noise Level	Potential Significant Impact
Compton Blvd	Wilmington Ave to S Central Ave	68	68.0	0.1	No

Notes:
[1] Exterior noise levels calculated at 5 feet above ground level.
[2] Noise levels calculated from the centerline of the subject roadway.

On-site Traffic Noise Impact

Traffic noise from the local roadway network was evaluated and compared to the City's Exterior Noise standard. Per the City's Exterior Noise Standard (Table N-2 from the City's General Plan, Noise Element), the residential noise limit is 65 dBA CNEL. As shown in the table above, Existing Plus Project traffic 65 dBA CNEL noise projections from Compton Boulevard will reach up to 79 feet from the centerline of the road. Residential structures are located approximately 50-feet away from the centerline of Compton Boulevard and have a projected noise level of 68 dBA. It should be noted that the existing noise level exceeds the 65 dBA noise limit, so 68 dBA becomes the standard.

Future Interior Noise

The future interior noise level was calculated for the sensitive receptor locations using a typical "windows open" and "windows closed" condition. A "windows open" condition assumes 12 dBA of noise attenuation from the exterior noise level. A "windows closed" condition" assumes 20 dBA of noise attenuation from the exterior noise level. The table below indicates the first and second-floor interior noise levels for the Project site.

Future Interior Noise Levels (dBA CNEL)

Location	Roadway Noise Source	Exterior Facade Study Location	Noise Level at Building Facade1	Interior Noise Reduction Required to Meet Interior Noise Standard of 45 dBA CNEL	Interior Noise Level w/ Typical Residential Windows (STC≥ 25)		STC Rating for Windows Facing Subject Roadway4
					Window Open2	Windows Closed 3	
1st Row Units Along Northern Property Line	Compton Blvd	1st Floor	68	23	56	48	26
		2nd Floor	68	23	56	48	26

Notes:
1. Noise level from Table 5 of the Noise Impact Study and from worksheets Appendix C of the Noise Impact Study.
2. A minimum of 12 dBA noise reduction is assumed with a "windows open" condition.
3. A minimum of 20 dBA noise reduction is assumed with a "windows closed" condition.
4. Indicates the required STC rating to meet the interior noise standard.

As shown in the table above, the interior noise level will range from 56 dBA CNEL with the windows open and 48 dBA CNEL with the windows closed.

To meet the City's interior 45 dBA CNEL standard, a "windows closed" condition is required. The windows and sliding glass doors directly facing Compton Boulevard will require a minimum STC rating of 26 for the 1st and 2nd floors (**MM NOI-1**). A "windows closed" condition simply means that to achieve a 45 dBA CNEL interior noise level, the windows must be closed, and does not mean the windows must be fixed.

Therefore, the Project will have a **less than significant impact with mitigation** on interior noise.

MM NOI-1: The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.

Construction Noise Impact

The degree of construction noise may vary for different areas of the Project site and vary depending on the construction activities. Noise levels associated with the construction will vary with the different phases of construction.

Construction Noise

The Environmental Protection Agency (EPA) has compiled data regarding the noise-generated characteristics of typical construction activities. The data is presented in the table below.

Typical Construction Noise Levels[1]

Equipment Powered by Internal Combustion Engines

Type	Noise Levels (dBA) at 50 Feet
Earth Moving	
Compactors (Rollers)	73 - 76
Front Loaders	73 - 84
Backhoes	73 - 92
Tractors	75 - 95
Scrapers, Graders	78 - 92

Pavers	85 - 87
Trucks	81 - 94
Materials Handling	
Concrete Mixers	72 - 87
Concrete Pumps	81 - 83
Cranes (Movable)	72 - 86
Cranes (Derrick)	85 - 87
Stationary	
Pumps	68 - 71
Generators	71 - 83
Compressors	75 - 86

Impact Equipment

Type	Noise Levels (dBA) at 50 Feet
Saws	71 - 82
Vibrators	68 - 82
Notes: [1] Referenced Noise Levels from the Environmental Protection Agency (EPA)	

Construction is anticipated to occur during the permissible hours according to the City's General Plan. Construction noise is considered a short-term impact and would be considered significant if construction activities are taken outside the allowable times described in the City's General Plan (Section 7-12.22). Construction noise will have a temporary or periodic increase in the ambient noise level above the existing noise level within the Project vicinity. Furthermore, noise reduction measures are provided to reduce construction noise further. The construction noise impact is considered less than significant; however, construction noise level projections are provided.

Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Noise levels will be loudest during the grading phase. A likely worst-case construction noise scenario during grading assumes the use of a grader, a dozer, an excavator, and three (3) backhoes operating at 80 feet from the nearest sensitive receptor.

To ensure that construction activities do not disrupt the adjacent land uses, mitigation measures for noise reduction **MM NOI-2** through **MM NOI-6** shall be required.

The Project will have a **less than significant impact with mitigation** on the generation of temporary or permanent increases in ambient noise levels in the vicinity of the Project.

MM NOI-2: Construction shall occur during the hours of 7:00 AM to 7:00 PM.

MM NOI-3: Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.

MM NOI-4: Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.

MM NOI-5: During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.

MM NOI-6: Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

MM NOI-7: Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible.

b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐

Response:

Construction activities can produce a vibration that may be felt by adjacent land uses. The Project's construction would not require the use of equipment such as pile drivers, which are known to generate substantial construction vibration levels. The primary vibration source during construction may be from a bulldozer. A large bulldozer has a vibration impact of 0.089 inches per second peak particle velocity (PPV) at 25 feet, which is perceptible but below any risk to architectural damage.

The fundamental equation used to calculate vibration propagation through average soil conditions and distance is as follows:

$$PPV_{equipment} = PPV_{ref} (100/D_{rec})^{n}$$

Where: PPV_{ref} = reference PPV at 100ft.
D_{rec} = distance from equipment to receiver in ft.
n = 1.1 (the value related to the attenuation rate through ground)

The Caltrans Transportation and Construction Induced Vibration Guidance Manual thresholds in the table below provide general thresholds and guidelines as to the vibration damage potential from vibratory impacts.

Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Table 19, Transportation and Construction Vibration Guidance Manual, Caltrans, Sept. 2013.
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

At a distance of 80 feet, a large bulldozer would yield a worst-case 0.025 PPV (in/sec), which slightly perceptible, but sustainably below any risk of damage (0.5 in/sec PPV is the threshold of residential structures). The impact is **less than significant**, and no mitigation is required.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Response:

The Project site is located outside the noise contours for the Compton/Woodley Airport and will have **no impact** on exposing people to excessive airport noise levels.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure N-1 – Existing CNEL Nos Contours
   - Figure N-2 – Existing Airport Noise Contours
   - Figure N-3 – Future CNEL Noise Contours

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
• Figure N-4 – Future Airport Noise Contours • Table N-1 – Noise/Land Use Compatibility Matrix • Table N-2 – Interior and Exterior Noise Standards 3. Chapter 30 – Zoning of the Compton Municipal Code 4. Section 7-12 – Noise of the Compton Municipal Code 5. Compton Residential Development Noise Impact Study – prepared by MD Acoustics LLC, April 14, 2021				
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of road or other infrastructure)?	☐	☐	☒	☐
Response: The City's General Plan establishes the development potential of the City to accommodate the City's growth. The Project, as proposed, will help to accommodate that growth but will not induce it. The Project site is located on existing streets, and utilities and public facilities are all available in the immediate area. No new road or utility infrastructure is required. Project-related impacts are expected to be **less than significant.**				
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
Response: The Project site is vacant and will not displace any persons or require the construction of replacement housing. Therefore, there is **no impact** on housing.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code				
XV. PUBLIC SERVICES – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?	☐	☐	☒	☐
Response: The Project is located approximately .9 miles from Fire Station #1, located at 201 South Acacia Avenue, three (3) minutes away. As a result, fire personnel will reach the site within the average 4.5-minute response time. The Fire Department will approve the Project site plan to ensure it meets applicable fire standards and regulations. The Fire Department will review the Project for compliance with all Fire Codes. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on fire services, directly, indirectly, and cumulatively.				
ii) Police protection?	☐	☐	☒	☐
Response: Police protection is provided by the Los Angeles County Sheriff's Department. The Project site is served by the Compton Station, located at 301 South Willowbrook Avenue. Emergency response times throughout the City average 2.5-minutes.				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
The Project provides two (2) access points for the Police Department off of West 151st Street. The Police Department will review the Project for compliance with all Safety Codes. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on police services, directly, indirectly, and cumulatively.				
iii) Schools?	☐	☐	☒	☐

Response:

The Project is located within the service area boundary of the Compton Unified School District. The closest school to the Project site is the Laurel Street Elementary School (1321 West Laurel Street), located approximately 641-feet from the closest point of the subject property or a little over a .12 of a mile. The Project is required to pay the state-mandated school fees in place at the time that development occurs. These fees are designed to mitigate impacts to schools by providing funds for the construction of new facilities. By implementing all regulations and City and School District policies for development projects, the Project will have a **less than significant** impact on schools, directly, indirectly, and cumulatively.

iv) Parks?	☐	☐	☒	☐

Response:

The City of Compton Parks and Recreation Department maintains 14 local parks that encompass 60 acres of parkland. The nearest parks to the subject property are Gonzales, Walter R. Tucker, and Wilson Parks.

The Project will increase the demand for public parks. The City imposes a fee for residential projects of $4779.06 per unit. This fee is designed to reduce the impacts of new development on City park facilities. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on parks, directly, indirectly, and cumulatively.

v) Other public facilities?	☐	☐	☒	☐

Response:

The Project will result in a minor increase in demand for City services and facilities, including recreational trails and library services. This increase is consistent with the General Plan Vision 2010 projections for these facilities. It will be offset by the increased property and sales tax generated by the build-out of the Project. Therefore, impacts to other public facilities are **less than significant**, directly, indirectly, and cumulatively.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure OS-1 – Conservation/Open Space/Parks and Recreation Plan
   - Figure PF-1 – Public Facilities
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 7 – Police Regulations of the Compton Municipal Code
4. Chapter 8 – Public Safety of the Compton Municipal Code
5. Chapter 14 – Building and Housing of the Compton Municipal Code
6. Chapter 22 – Fire Prevention and Protection of the Compton Municipal Code
7. Chapter 18 – Public Parks and Playgrounds of the Compton Municipal Code

XVI. RECREATION – Would the project:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐

Response:

The City of Compton Parks and Recreation Department maintains 14 local parks that encompass 60 acres of parkland. The nearest parks to the subject property are Gonzales, Walter R. Tucker, and Wilson Parks.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The Project will increase the demand for public parks. However, it will not increase the demand over that planned under the General Plan Vision 2010. The City imposes a fee for residential projects of $4779.06 per unit. This fee is designed to reduce the impacts of new development on City park facilities. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on parks, directly, indirectly, and cumulatively.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which have an adverse physical effect on the environment?	☐	☐	☐	☒

Response:

The Project does provide some open space areas. It will not require the construction or expansion of recreational facilities as the site was planned for residential development under the General Plan Vision 2010. Therefore, the Project will have **no impact** on recreational facilities, causing an adverse effect on the environment.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure OS-1 – Conservation/Open Space/Parks and Recreation Plan
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 18 – Public Parks and Playgrounds of the Compton Municipal Code

XVII. TRANSPORTATION – Would the project:				
a) Conflict with program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☒	☐	☐

Response:

CITY OF COMPTON GENERAL PLAN 2010 – CIRCULATION ELEMENT

MASTER PLAN OF STREETS AND HIGHWAYS

Compton Boulevard is proposed in the General Plan as a Secondary Highway. A Secondary Highway has an 80-foot right-of-way with a 60-feet curb-to-curb. Currently, Compton Boulevard is already built and designed to the General Plan standards.

West 151st Street, South Kemp Avenue, and South Dwight Avenue are local streets, and the Project will build the half-width of each of these streets wherever it is currently missing.

ALTERNATIVE MODES OF TRANSPORTATION

Pedestrian and Bicycles

Sidewalks and curb ramps at intersections are present in the study area, except on the east side of South Dwight Avenue along the Project's frontage and on the north side of West 151st Street along the Project's frontage, where they are absent. The Project will complete sidewalks adjacent to the Project site for use by pedestrians.

The Bicycle Master Plan (May 2015) proposes a Class IV Protected Bicycle Lane on West Compton Boulevard. However, the Plan does not indicate which side of West Compton Boulevard the lane is proposed for, and the City Engineer has not requested that the Project accommodate such a lane. Therefore, the Project will have a **less than significant impact** on on-site roadway and site access improvements.

Public Transit Services

The City of Compton is served by Los Angeles Metro, which provides bus service throughout Los Angeles County. The figure below shows the Metro routes in the vicinity of the City of Compton. Additionally, the Compton Renaissance Transit System provides limited local service within the City of Compton.

There is one bus route within one-quarter mile of the Project site. Metro Route 51/351 travels between the Wilshire/Vermont Purple Lane Station to the Compton Transit Center. In the Project's vicinity, Route 51/351 runs along West Compton Boulevard with a stop at the West Compton Boulevard/South Dwight Avenue intersection adjacent to the Project site. Route 51/351 runs from 5:00 AM to 10:00 PM on weekdays with headways of 20-35 minutes and weekends with 30-45 minute headways.

TEMPORARY TRAFFIC IMPACTS FROM CONSTRUCTION

The Project will be export approximately 4,320-cubic yards of dirt during the grading stage of construction, which is approximately 308 truckloads. The Project will follow the requirements of Section 20-3.12 – Care of Excavated Material for trenching within the streets and Section 14-1.13 – Appendix Chapter 33 Excavation and Grading of the Municipal Code.

To ensure that construction trips will not significantly impact the area mitigation measure, **MM TRAF-1** is proposed. Implementing **MM TRAF-1** will ensure that construction trips will be **less than significant with mitigation** and will not significantly impact the roadway system.

MM TRAF-1: Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal Code Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

CITY CAPITAL IMPROVEMENT PROGRAM (CIP)

There are no CIP projects proposed for West Compton Boulevard, South Kemp Avenue, West 151st Street, and South Dwight Street. Adherence to all Engineering requirements for the adjacent streets will ensure no impact on the City's CIP, directly, indirectly, and cumulatively.

HIGHWAY SAFETY IMPROVEMENT PROJECT GRANTS FOR COMPTON BOULEVARD

The City has received funding from two Highway Safety Improvement Project grants (HSIP Cycle 7 and 8) to improve Compton Boulevard. The Cycle 7 grant includes the installation of raised medians and Class II bicycle lanes on Compton Boulevard from Willowbrook Avenue to eastern City limits. The Cycle 8 grant includes the installation of bike lanes and lighting, as well as enhanced pedestrian crossings at 15 intersections on Compton Boulevard from Willowbrook Avenue to Central Avenue. Additional street improvements for the entire length of Compton Boulevard to complete both grants will utilize other various funding sources.

The City is currently in the design phase for Compton Boulevard and has not identified the type of street trees that would be included. Therefore, the streetscape for this project will be reviewed by the City for consistency with the development of the grant plans.

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY CMP

The Los Angeles County Metropolitan Transportation Authority Congestion Management Program (CMP) designates certain roadways as CMP facilities. West Compton Boulevard, South Kemp Avenue, West 151st Street, and South Dwight Avenue are not covered by the CMP.

Consistent with state statute, all local jurisdictions within Los Angeles County, including the County of Los Angeles, adopted and are currently implementing the Land Use Analysis Program. Generally, jurisdictions adopt resolutions or ordinances based on the model Land Use Analysis Program resolution in Appendix D of the CMP. Future modifications to the jurisdiction's adopted Land Use Analysis Program must be submitted to MTA prior to local adoption. These documents will be kept on file as evidence of local CMP implementation.

Techniques that jurisdictions have found useful in implementing and coordinating Land Use Analysis Program requirements include:

- Incorporating CMP Land Use Analysis Program requirements and related information into project/permit applications and guidance packages provided to project applicants.
- Incorporating a CMP reference into Initial Study checklists.
- Adding CMP-related requirements and information into standard Requests for Proposals and contracts for EIR consultants.
- Adding MTA and other area transit operators to standard mailing lists used for CEQA related notices.

Since this Project does not include any CMP-designated roadways or there would be **no impact** under the CMP's guidelines, directly, indirectly, or cumulatively.

SUMMARY

Therefore, the Project as designed and conditioned will have a **less than significant impact with mitigation**, directly, indirectly, and cumulatively on any program plans, ordinances, or policies addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐

Response:

Coordination with City staff has identified the use of OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA (2018)*. OPR's Technical Advisory document outlines the screening criteria, a

threshold of significance, and requirements for VMT assessment of land use projects. Outlined in the Technical Advisory, the VMT threshold of significance has been identified as fifteen (15) percent below existing residential VMT per capita. In addition, the document outlines a variety of acceptable mitigation measures. This memorandum utilizes the *California Air Pollution Control Officers Association (CAPCOA) Qualifying Greenhouse Gas Mitigation Measures (2010)* for purposes of mitigation and VMT reduction.

The Project is surrounded by residential uses and will complement the adjacent area. Outlined in the CAPCOA document, travel demand measures are provided, reducing a project's VMT. Of particular note, LUT-01 references an increase in density and its impact on VMT; projects with increased densities reduce greenhouse gas emissions associated with traffic in several ways. Considering the proposed Project's density and applying the LUT-01, the Project's VMT can be reduced by 15.56%. As the Project's density can reduce the proposed Project's VMT by 15.56% (greater than 15%), it is assumed the project will have a **less than significant transportation impact**.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐

Response:

Wherever necessary, roadways adjacent to the proposed project site and site access points should be constructed in compliance with recommended roadway classifications and respective cross-sections in the City of Compton General Plan Circulation Element or as directed by the City Engineer. The City Engineer has reviewed the Project, and the only possible hazard was one of stopping sight distance for the Project Driveways. As such, a Sight Distance Analysis was prepared.

Sight Distance Analysis

A sight distance analysis for the Project driveway has been prepared based on the "stopping sight distance" requirements determined by Topic 201 and Table 201.1 of the *Caltrans Highway Design Manual* (HDM), latest edition. The table below shows the minimum stopping sight distances based on the design speed, as displayed in Table 201.1 of the HDM.

Stopping Sight Distance

Design Speed (mph)	Stopping Sight Distance (ft)
25	**150**
30	200
35	250
40	300
45	360
50	430

Source: Table 201.1, Highway Design Manual (July 2, 2018) Note: mph = miles per hour; ft = feet

In this analysis, the movements being analyzed at the Project Driveway intersections are movements from the exiting vehicles onto West 151st Street. Since there is no posted speed limit on West 151st Street between South Dwight Avenue and South Kemp Avenue, the 85th percentile speed is assumed to be 25 miles per hour.

Exhibit 9 displays the sight distance conditions at the project driveway in relation to the existing sidewalk, striping, and parking on 151st Street. The exhibit shows the required 15-foot setback from the edge of travel way and the 15-feet of sight distance required based on the assumed 85th percentile speed of 25 miles per hour.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

As shown in ***Exhibit 9***, the stopping sight distance requirements would be impaired by existing parking 151st Street west and east of the driveways. To meet the stopping sight distance standard, approximately 348 feet of red-curb would need to be painted on the north side of 151st Street.

However, the traffic engineer, TJW, notes that Section 405.1 of the Highway Design Manual recommends that parking restrictions on urban driveways be set per California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 3B.19. Section 3B.19 recommends a clearance of six-feet measured from the curb return should be provided at both sides of a driveway. It is TJW's recommendation that the CA MUTCD guidance be followed and a clearance of 6-feet be provided at both sides of the driveway.

Therefore, with the implementation of mitigation measure, **MM TRAF-2,** the Project will have a **less than significant impact** on sight distance for the driveway on West 151st Street.

MM TRAF-2: Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.

d) Result in inadequate emergency access?	☐	☐	☐	☒

Response:

The Project provides adequate access on-site for emergency vehicles (i.e., police and ambulance services) and can be accessed from all four sides by the Fire apparatus. The Project has been reviewed by the City Engineer and the City Fire Department and, as designed, will have **no impact** on emergency access.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure C-1 – Standard Street Cross Sections
   - Figure C-2 – Master Plan of Streets and Highways
   - Figure C-3 – Public Transit Plan
   - Figure C-4 – Truck Routes
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
   - Section 14-1.13 – Appendix Chapter 33 Excavation and Grading of the Compton Municipal Code
4. Section 20-3.12 – Care of Excavated Material of the Compton Municipal Code
5. Compton Bicycle Master Plan (May 2015)
   - Figure 5-4 – Recommended Bikeway Network
6. Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)
7. Los Angeles County Metropolitan Transportation Authority Congestion Management Program (CMP)
8. Compton & Kemp Traffic Impact Analysis – prepared by TJW Engineering, Inc., September 24, 2019
   - Exhibit 9 – Sight Distance Analysis
9. Traffic & Parking Analysis: Compton & Kemp Residential Project – Supplemental Traffic Analysis Memo – prepared by TJW Engineering, Inc., February 26, 2021

XVIII. TRIBAL CULTURAL RESOURCES – Would the project:

a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☐	☐	☒

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
A review of the National Register of Historic Places Geographic Information System, the California Office of Historic Preservation Website, and the City's General Plan found that Compton is located on one of the oldest communities in Los Angeles County, dating back to 1784 when it was once a part of Rancho San Pedro. Archaeological sites exist in the City, but none are located in the area of the subject site. The site has been developed at one time with a convalescent hospital that has since been demolished. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. Pursuant to AB 52 and SB 18 consultation with California Native American tribes requesting consultation within the City commenced on April 19, 2021. The six (6) tribes notified of this Project include the following tribes. • Gabrieleno Band of Mission Indians - Kizh Nation • Gabrieleno/Tongva San Gabriel Band of Mission Indians • Gabrielino/Tongva Nation • Gabrielino Tongva Indians of California Tribal Council • Gabrielino Tongva Tribe • Soboba Band of Luiseño Indians The 60-day response period for AB 52 will end on June 18, 2021. The 90-day response period for SB 18 will end on July 19, 2021. The City will consult with all tribes requesting a consultation and will coordinate the appropriate mitigation, if any into this environmental review. Therefore, there will be **no impact** on listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k).				
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒
Response: As noted above, archaeological sites exist in the City; however, none are located in the subject site as the site has been developed at one time with a convalescent hospital that has since been demolished. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. As well, the City has started both AB 52 and SB 18 and AB 52 Tribal Consultations as noted above. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. Therefore, it is anticipated the Project will have **no impact** on resources significant to a California Native American Tribe.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. Los Angeles County General Plan 2008 ➢ Figure 6.8 - Historical and Cultural Resource Sites 4. National Register of Historic Places Geographic Information System, accessed September 13, 2019 5. California Office of Historic Preservation Website, accessed September 13, 2019 6. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
7. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019				
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐

Response:

Water

See also responses Section X above and XIX b) below for additional information.

Water Supply Assessment

Senate Bill (SB) 610 (Chapter 643, Statutes of 2001; Water Code Sections 10910–10915) made changes to the Urban Water Management Planning Act to require additional information in UWMPs if groundwater is identified as a source available to the supplier. The information required includes a copy of any groundwater management plan adopted by the supplier, a copy of the adjudication order or decree for adjudicated basins, and if non-adjudicated, whether the basin has been identified as being over-drafted or projected to be over-drafted in the most current DWR publication on that basin. If the basin is in overdraft, that plan must include current efforts to eliminate any long-term overdraft. A key provision in SB 610 requires that large development projects supplied with water from a public water system and subject to CEQA be provided a specified water supply assessment, except as specified in the law. Large development projects include 500 or more residential units, 500,000 square feet of retail, commercial space, or 250,000 square feet of office commercial space. These assessments, prepared by "public water systems" responsible for service, address whether there are adequate existing or projected water supplies available to serve proposed projects, in addition to urban and agricultural demands and other anticipated development in the service area in which the project is located.

SB 221 (Chapter 642, Statutes of 2001; Government Code Section 66473.7) prohibits approval of subdivisions consisting of more than 500 dwelling units unless there is verification of sufficient water supplies for the project from the applicable water supplier(s). This requirement also applies to approvals that would increase the number of service connections by 10% or more for public water systems with less than 500 service connections. The law defines criteria for determining "sufficient water supply," such as using normal, single-dry, and multiple-dry year hydrology and identifying the amount of water that the supplier can rely on to meet existing and future planned uses. Rights to extract additional groundwater, if used for the project, must be substantiated.

The Project proposes 60 townhomes served by the City of Compton Municipal Water District (CMWD). Since the Project proposes less than 500 dwelling units, a water supply assessment (WSA) was not required.

The City of Compton Municipal Water District (CMWD) has two major sources of water. It currently has access to 5,780 acre-feet of groundwater that is supplied via seven (7) wells. Water is pumped from these wells and flows into a grid system, distributed using a gravity-fed system via 163 miles of 2 to 24-inch diameter pipes. In addition, the Metropolitan Water District of Southern California (MWD) supplies approximately 30-60% of the City's water demand. MWD has three active interconnections to the City. The purchased water from MWD augments the water from the wells via the distribution system and flows into four 3-million-gallon welded steel-plate storage tanks for a total of 12,000 million gallons of storage. These tanks take up any fluctuations in system pressure or flow deficiencies.

CMWD will provide water to the site via one (1) six (6)-inch point of connection in West 151st Street at the westernmost driveway and one connection in Compton Boulevard. Per the CMWD's 2010 Urban Water Management Plan (UWMP), CMWD has the supply needed to meet the demand of its customers through 2030 based on the land use designations of the General Plan Vision 2010. The conclusion is

based on the Metropolitan Water District (MWD) assurances that it would be able to supply member agency demands and the reliability of local groundwater supplies achieved through groundwater management plans. CMWD has committed to providing service to the planned uses of the General Plan, and this Project is consistent with the City's General Plan. The Project will not require or result in the relocation or construction of new or expanded water lines or facilities, which could cause significant environmental effects. Therefore, the Project will have a **less than significant effect**, directly, indirectly, or cumulatively, on water facility expansion.

Wastewater Treatment

See also response Section X above and XIX c) below for additional information.

Sanitary sewage from the Project site will be connected to the existing 12-inch sanitary sewer line located in West Compton Boulevard through the new lines proposed within the newly created streets within the Project. The wastewater will then be transported to the Los Angeles County Sanitation District (LACSD) sewage system.

Wastewater in the City of Compton is collected by the LACSD sewage system and sent to one of eleven treatment or wastewater plants. At these plants, the wastewater goes through a three-stage treatment process consisting of primary, secondary, and tertiary treatment stages. After tertiary treatment, water is available for use to recycled water customers, use for groundwater recharge, or discharged into the ocean. Although the City of Compton is not part of a recycled water system, wastewater collected from the City is treated to recycled water standards and can be distributed through the LACSD's recycled water supply system.

LACSD implements all requirements of the Regional Water Quality Control Board pertaining to water quality and wastewater discharge. LACSD's Recycled Water System accepts approximately 500 million gallons per day of wastewater, which is sent to 11 wastewater treatment plants. The treated water is distributed throughout the recycled water distribution system.

LACSD has the capacity to process the wastewater planned under the General Plan Vision 2010, and this Project is consistent with the General Plan Vision 2010. The addition of the proposed Project will not significantly impact LACSD's capacity, and impacts associated with wastewater treatment will be **less than significant**, directly, indirectly, and cumulatively.

All new development is required to comply with all provisions of the NPDES program and the City's Municipal Separate Sewer Permit (MS4), as enforced by the Regional Water Quality Control Board (RWQCB). The Project is consistent with the General Plan proposing residential units. Compliance with the City's, LACSD's, all Waste Discharge Requirements outlined by the RWQCB, as well as requirements included in the NPDES permit, SWPPP, LID, and wastewater conveyance standards would ensure that wastewater discharges coming from the Project site and treated by the wastewater treatment facility system would not exceed applicable RWQCB wastewater treatment requirements or capacity. Impacts would be **less than significant with mitigation**, directly, indirectly, or cumulatively.

Storm Water Drainage

The existing site is currently vacant, pervious land. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level, with a relative low point near the site's northeast corner. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into the rights-of-way of West Compton Boulevard and South Kemp Avenue. Within West Compton Boulevard and South Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility within West Compton Boulevard, which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and ultimately the Pacific Ocean at San Pedro Bay.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground detention systems, which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flow rate (Allowable Q) provided by the Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H of the Preliminary Hydrology and Hydraulics Study for the Allowable Q provided by LACFCD.

The Project will comply with the requirements of Chapter 31 – Runoff Pollution Control of the Municipal Code. As such, a Preliminary Low Impact Development (LID) Plan has been prepared consistent with the Los Angeles County Department of Public Works LID Manual and the intent of the NPDES storm-water requirements (State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002, dated July 1, 2010.

The Project will not impact the existing stormwater management systems significantly. The Project will result in an incremental increase in the volume of stormwater; however, the City will require that the incremental increase in volume be managed on-site. The preparation of site-specific hydrology studies, water management plans, and Project design and compliance with existing federal, state, and local water quality laws and regulations related to water quality standards will ensure a **less than significant impact,** directly, indirectly, and cumulatively to stormwater facilities.

Electric Power

Electric power is provided to the site by Southern California Edison (SCE). The Project will utilize a 400-amp service for the 5-plex buildings and an 800-amp service for the 10-plex buildings. The services will be connected to existing 12kV 120/208, 3-phase distribution lines in West Compton Boulevard. SCE has committed to providing service to the planned uses of the General Plan, and this Project is consistent with the City's General Plan. The Project will not require or result in the relocation or construction of new or expanded electric power, which could cause significant environmental effects. Therefore, the Project will have a **less than significant** effect on electric power expansion.

Natural Gas

The Project will not utilize natural gas. Southern California Gas Company has natural gas lines in West Compton Boulevard (four-inch) and within the adjacent streets (two-inch). The Project will not require or result in the relocation or construction of new or expanded natural gas facilities power, which could cause significant environmental effects. Therefore, the Project will have a **less than significant** effect on natural gas facility expansion.

Telecommunications Facilities

Both Charter and AT&T have lines on the existing 80-foot high poles along West Compton Boulevard. These lines are to be protected in place. Therefore, the Project will have a **less than significant** effect on telecommunication facility expansion.

Summary

As noted above and in responses Section X and XIX b) above of this document, the Project will be **less than significant** directly, indirectly, or cumulatively, on the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The Project proposes 60 townhomes; a water supply assessment from CMWD, the water purveyor, is not required.

As noted above, the water usage for the Project is consistent with the predicted use and growth identified in the UWMP, insofar as the CMWD based its planning on land use designations in its service district.

The Project will tie into existing domestic water lines in West 151st Street. No new wells or additional water infrastructure, or entitlements will be required.

The Project will be required to implement all water conservation measures imposed by CMWD under normal and drought conditions over the life of the Project. The Project will be required to implement any emergency measures in effect when the Project is developed.

As the Project is consistent with the General Plan Vision 2010 upon which CMWD has made their assumptions for planned water availability and compliance with all State and local regulations, impacts to water supplies will be **less than significant**, directly, indirectly, and cumulatively.

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐

Response:

See also response Section X and XIX a) above for additional information.

Sanitary sewage from the Project site will be connected to the existing 12-inch sanitary sewer line located in West Compton Boulevard through the new lines proposed within the newly created streets within the Project. The wastewater will then be transported to the Los Angeles County Sanitation District (LACSD) sewage system.

The Project will be served by the Los Angeles County Sanitation District (LACSD) sewer infrastructure. C&V Consulting, Inc. has prepared a Sewer Area Study. The existing sewer system analyzed in the area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B of the Sewer Area Study for calculations and tabulated results. Therefore, it is concluded that the existing sewer system has adequate capacity for the proposed development.

Wastewater in the City of Compton is collected by the LACSD sewage system and sent to one of eleven treatment or wastewater plants. At these plants, the wastewater goes through a three-stage treatment process consisting of primary, secondary, and tertiary treatment stages. After tertiary treatment, water is available for use to recycled water customers, use for groundwater recharge, or discharged into the ocean. Although the City of Compton is not part of a recycled water system, wastewater collected from the City is treated to recycled water standards and can be distributed through the LACSD's recycled water supply system.

LACSD implements all requirements of the Regional Water Quality Control Board pertaining to water quality and wastewater discharge. LACSD's Recycled Water System accepts approximately 500 million gallons per day of wastewater, which is sent to 11 wastewater treatment plants. The treated water is distributed throughout the recycled water distribution system.

LACSD has the capacity to process the wastewater planned under the General Plan Vision 2010, and this Project is consistent with the General Plan Vision 2010. Compliance with the City's, CMWD's, all Waste Discharge Requirements outlined by the RWQCB, as well as requirements included in the NPDES permit, SWPPP, LID, and wastewater conveyance standards would ensure that wastewater discharges coming from the Project site and treated by the wastewater treatment facility system would not exceed applicable RWQCB wastewater treatment requirements or capacity. Impacts would be **less than significant**, directly, indirectly, or cumulatively.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐

Response:

Republic Services will provide trash collection. Republic Services transports solid waste local transfer stations for recycling, with the non-recyclable waste disposed of at local landfills. With the implementation of the City's and Republic Services recycling programs, the City continues to divert waste from the landfill. Therefore, landfill capacity is available to accommodate this Project, and the Project will have a **less than significant impact**, directly, indirectly, and cumulatively on landfills.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒

Response:

Federal, State, and local statutes and regulations regarding solid waste generation, transport, and disposal are intended to assure adequate landfill capacity through mandatory reductions in solid waste quantities (for example, through recycling and composting of green waste) and the safe and efficient transportation of solid waste. The Project will comply with all regulatory requirements regarding solid waste, including AB 939 and AB 341. AB 939, which the California Department of Resources Recycling and Recovery administered, required local governments to achieve a landfill diversion rate of at least 50 percent by January 1, 2000, through source reduction, recycling, and composting activities. Moreover, AB 341 increases the minimum solid waste diversion rate to 75 percent by 2020. Such regulations will apply to this Project, and compliance is mandatory. Further, mandates set forth by the CALGreen Code aim to reduce solid waste generation and promote recycling and diversion design and activities, to which this Project is required to comply. There will be **no impacts,** directly, indirectly or cumulatively, regarding compliance with Federal, State, and local statutes and regulations related to solid waste.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Chapter 23 – Sewer and Water of the Compton Municipal Code
5. Chapter 31 – Runoff Pollution Control of the Compton Municipal Code
6. 2010 Urban Water Management Plan (UWMP), City of Compton Water District
7. FEMA Flood Map Service Center: Search By Address website, accessed September 22, 2019
8. Los Angeles County Department of Public Works LID Manual
9. State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010
10. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
11. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021

XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, **would the project:**				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

Response:

As stated in the response in Section IX above, the City's Emergency Operation Plan describes the City's process for responding to emergencies or disasters.

Project access will be provided by two driveways off West 151st Street and then via the internal street system. The proposed Project will not alter the existing circulation pattern in the Project area. Emergency access and evacuation routes will be unaffected by the proposed Project.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
The Project provides adequate access for emergency vehicles, including adequate street widths and vertical clearance on new streets. Implementation of federal, state, and local laws and regulations in this Project's construction ensures **no impact** on an adopted emergency response plan or evacuation plan.				
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
Response: In addition to response Sections VII and IX above, the Project site is not located within a Very High Fire Hazard Classification area. As well, the site is relatively flat and surrounded by residential uses. Therefore, the Project will not exacerbate wildfire risks and will have **no impact**, directly, indirectly, or cumulatively, to the exposure of pollutant concentration from a wildfire or the uncontrolled spread of a wildfire.				
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts on the environment?	☐	☐	☐	☒
Response: The Project will not require the installation or maintenance of the associated infrastructure that would exacerbate fire risk or that may result in temporary or ongoing impacts on the environment and as such, will have **no impact**, directly, indirectly, or cumulatively.				
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒
Response: See Sections VII and IX above. The Project site is not located within a Very High Fire Hazard Classification area. The site is situated on relatively level ground and is not immediately adjacent to any slopes or hillsides that could be potentially susceptible to slope instability. No signs of slope instability in the form of landslides, rockfalls, earth flows, or slumps were observed at or near the subject site during Sladden's investigation. The Project site is not located within a 100-year mapped flood zone (FEMA Flood Insurance Rate Map No. 06037C1815F (September 26, 2008). The Project would redirect on-site drainage patterns; however, it would not impede or redirect flood flows. As referenced, all drainage would be managed to ensure pre-construction flows off-site are maintained. The Project would not expose people or structures to flood hazards from severe storm events. Therefore, the Project will have **no impact**, directly, indirectly, or cumulatively, as it is not expected to have a wildland fire on site and therefore, will not expose people or structures to significant risk from flooding or landslides as a result of a post-wildfire.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. Chapter 14 – Building and Housing of the Compton Municipal Code 9. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code • Section 20-3 – Street Excavations • Section 20-6 – Temporary Street Closures				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
10. Los Angeles County Local All-Hazards Mitigation Plan – adopted 2014 • Figure 7-1 – Los Angeles County Very High Fire Hazard Severity Zones 4. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019 5. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, April 2021				
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☐	☒
Response: In Section IV (Biological Resources), and Sections V (Cultural Resources), and XVIII (Tribal Cultural Resources), it is noted that the Project was once developed with a convalescent hospital and is surrounded by urban development. As such, the site does not provide biological habitat. Due to the previous ground disturbance, the Project will have **no impact** on biological resources or eliminate important examples of significant periods of California history or pre-history.				
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current project, and the effects of probable future projects.)?	☐	☐	☒	☐
Response: The Project will contribute to the cumulative impacts of development in the City of Compton and the broader area. However, the Project is in conformance with the City's General Plan, and therefore, it will have a **less than significant** impact cumulatively.				
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐
Response: Effects on human beings were evaluated as part of the Air Quality, Energy, Geology and Soils, Greenhouse Gas Emissions, Hazards, and Hazardous Materials, Hydrology and Water Quality, Land Use/Planning, Population and Housing, Public Services, Recreation, and Utilities sections of this Initial Study and were found to be **less than significant** for each of the above sections. The effects on human beings were evaluated as part of the Aesthetics, Noise, Transportation, and Wildfire sections of this Initial Study and were found to be **less than significant with mitigation**. Based on the analysis and conclusions in this Initial Study, the Project will not cause substantial adverse effects, directly or indirectly, to human beings. Therefore, potential direct and indirect impacts on human beings that result from the proposed Project are **less than significant with mitigation measures MM AES-1, MM AES-2, MM NOI-1** through **MM NOI-6,** and **MM TRAF-1** and **MM TRAF-2.**				

Note: Artist's conception; colors, materials, application, and landscape treatment may vary.

Compton Blvd. & Kemp Ave

Compton, CA

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City Ventures

City Ventures
Contact: Kim Prijatel
3121 Michelson Drive, Suite150 Irvine, CA 92612
949.258.7540 | www.CityVentures.com

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WHA. Architects . Planners . Designers .
Contact: Nick Manea
680 Newport Center Drive, Suite 300 Newport Beach, CA 92660
949.250.0607 | www.WHAinc.com

C&V CONSULTING, INC. CIVIL ENGINEERING LAND PLANNING & SURVEYING

C & V Consulting, Inc.
Contact: David Terry, Sarah McMasters
6 Orchard, Suite 200
Lake Forest, CA 92630
949.445.1710 | www.CVC-INC.net

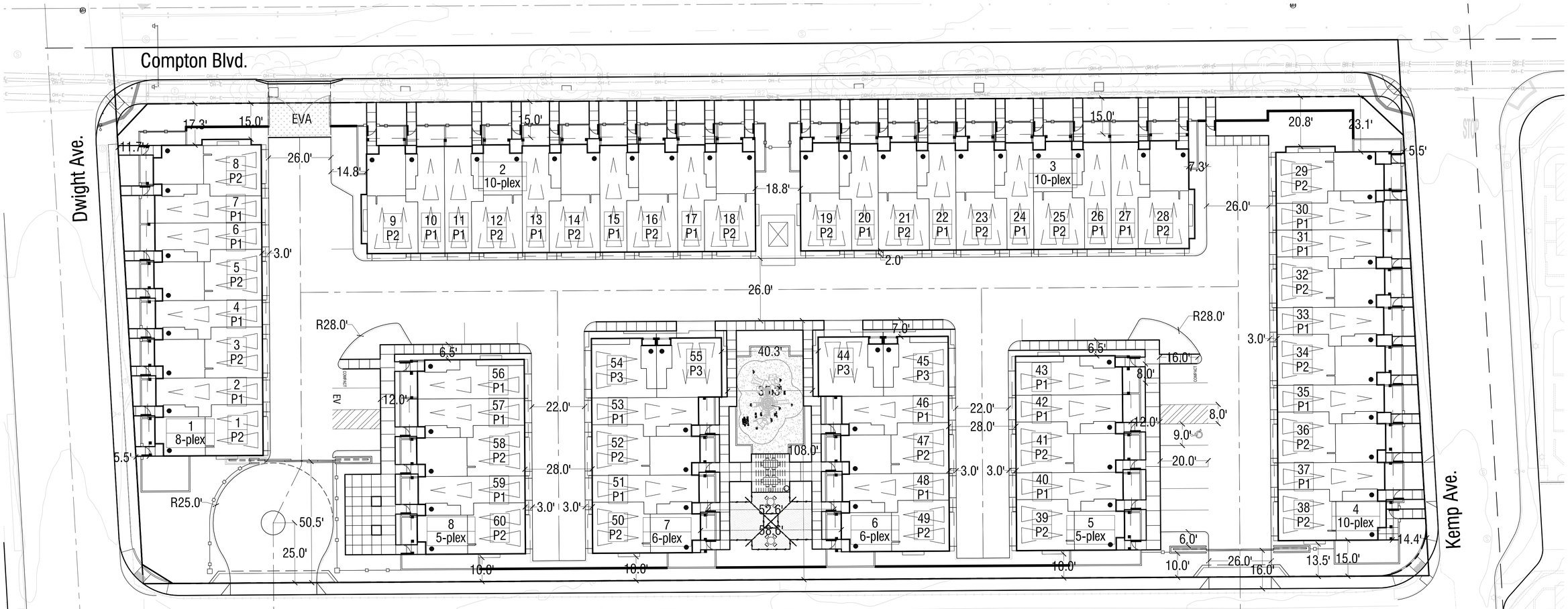
C2 Collaborative
LANDSCAPE ARCHITECTURE

C2 Collaborative
Contact: Niki Wu
100 Avenida Miramar, San Clemente, CA 92672
949.366.6624 | www.c2collaborative.com

Submittal Log

City Submittal	8/19/2019
City Submittal	4/5/2021
City Submittal	7/6/2021
City Submittal	11/10/2021
City Submittal	03/28/2022
City Submittal	04/25/2022

File No.:



Project Summary

Total Site Area: ± 2.45 Acres (± 107,051 SF)

Total Units: 60 Homes
- (29) Plan 1: ± 1,404 SF, 3 bedroom, 3 bath (tandem)
- (27) Plan 2: ± 1,664 SF, 4 bedroom, 4 bath, opt. flex (s/s)
- (4) Plan 3: ± 1,450 SF, 3 bedroom, 2.5 bath

Density: 24.5 Homes per Acre

Parking:

Required: 135 Spaces (2.25 spaces per home)
- (60) Homes x 2.0 Spaces = 120 Spaces
- (60) Guest x 0.25 Spaces = 15 Spaces

Provided: 135 Spaces (2.25 spaces per home)
- Garage: 120 Spaces
- Head In: 8 Spaces (9' x 20')
- Parallel: 5 Spaces (9' x 22')
- Compact: 2 Spaces (8'x16')

Open Space:

Provided: 20,867 SF Total (± 348 SF per home)
- Common: 7,284 SF (10' Min. Dimension)
- Private: 13,583 SF (5' Min. Dimension)
  - Ground: 8,341 SF
  - Deck: 5,242 SF

Lot Coverage: 42,533 SF (39.7% of site)

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: General Commercial

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: CL - Limited Commercial

Max. Density: 1,500 SF / home

Required Setbacks:
- Front Yard - Compton Blvd: 15' to building
- Street Side Yard - Dwight Ave: 5' to building
- Street Side Yard - Kemp Ave: 5' to building
- Rear Yard - 151st St: 10' to building

Max. Building Height: 75'

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

Conceptual Site Plan

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

SP-1

0 10 20 40

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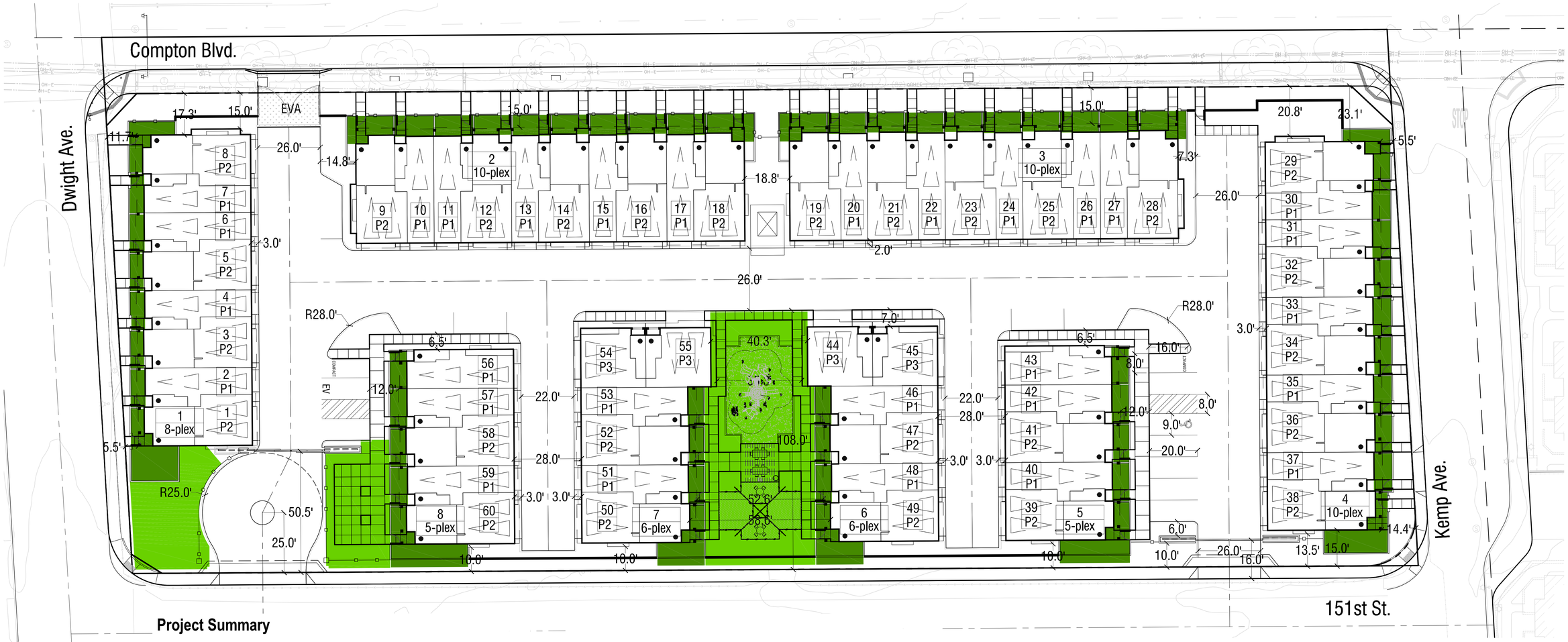

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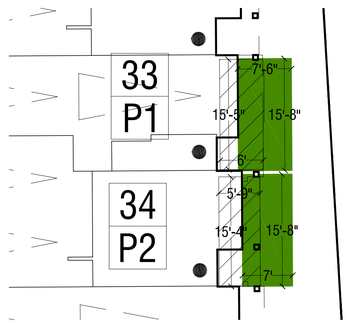

Plan 1 Typ. Private Open Space = 211 SF
117 SF Patio 94 SF Deck

Plan 2 Typ. Private Open Space = 211 SF
109 SF Patio 87 SF Deck

Notes:
1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to

Conceptual Open Space Plan

COMPTON BLVD & KEMP AVE SITE

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SP-2

0 10 20 40

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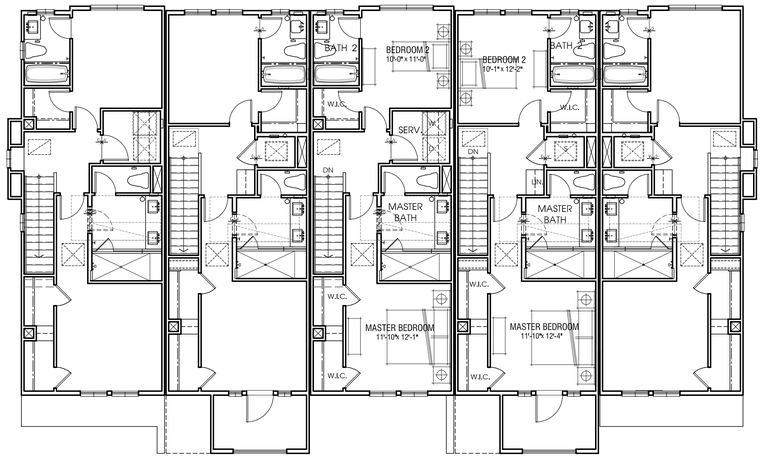
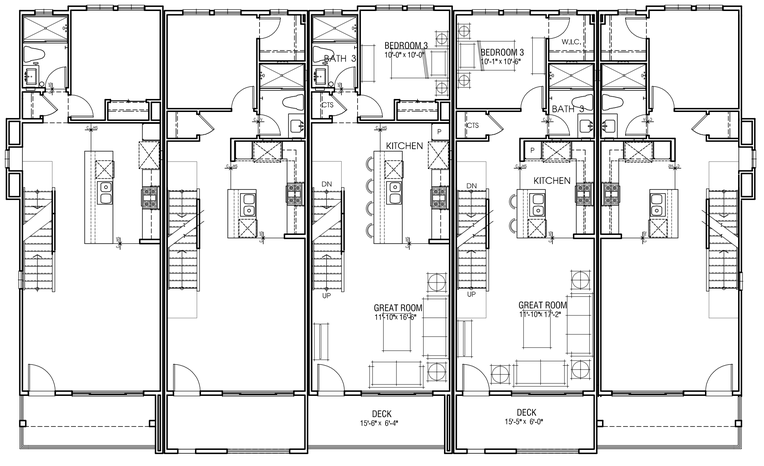
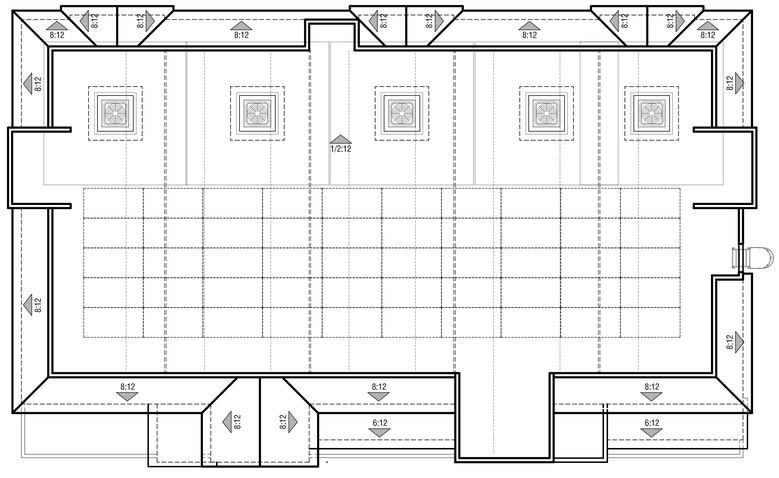


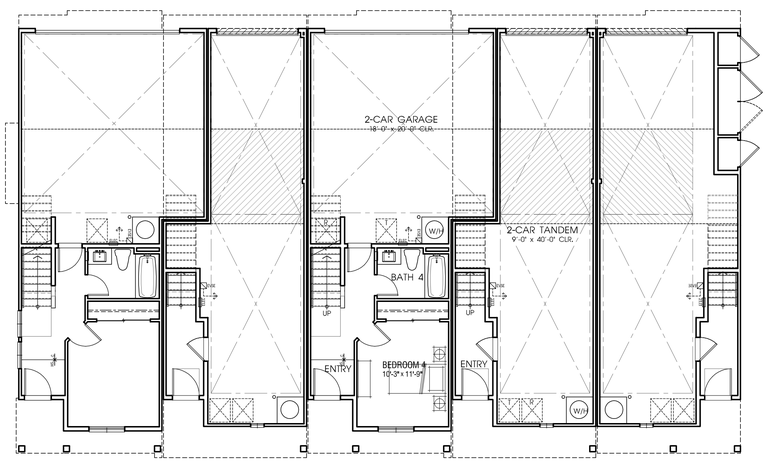
Third Floor



Second Floor



Roof



Plan 2
3 BEDROOM / 3 BATH
+/-1,404 SF

Plan 1
4 BEDROOM / 4 BATH
+/-1,664 SF

First Floor

OCCUPANCY: R2
CONSTRUCTION TYPE: VB
SPRINKLER SYSTEM: NFPA 13

5 Plex | Conceptual Floor Plans

Note: Square Footage may vary depending on method of calculation.
Note: Further floor plan coordination needed to reflect elevations.

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

A-1

0 4 8 16

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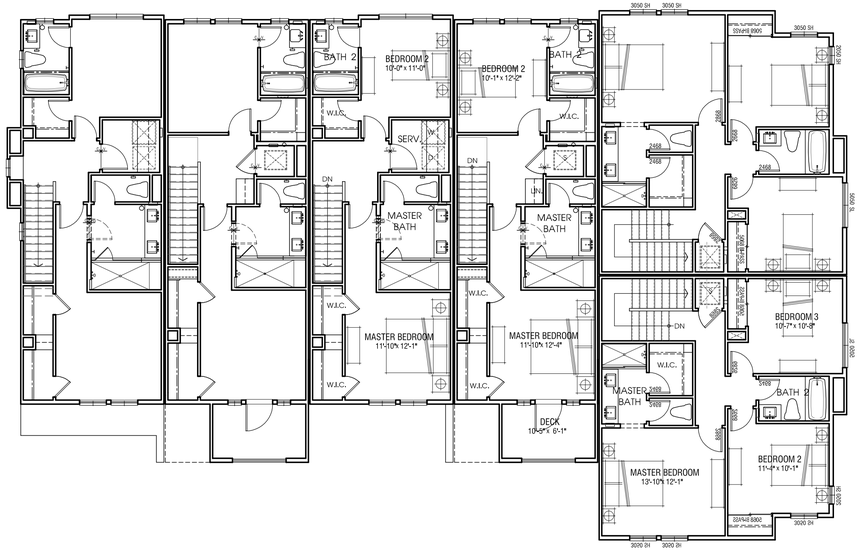

BATH 2
BEDROOM 2
10'-0" x 11'-0"
BEDROOM 2
10'-1" x 12'-2"
BATH 2
W.I.C.
SERV.
DN
MASTER BATH
MASTER BATH
W.I.C.
MASTER BEDROOM
11'-10" x 12'-1"
MASTER BEDROOM
11'-10" x 12'-4"
DECK
10'-5" x 6'-1"
3050 SH
3050 SH
3050 SH
2468
2468
2468

Right Elevation

Rear Elevation

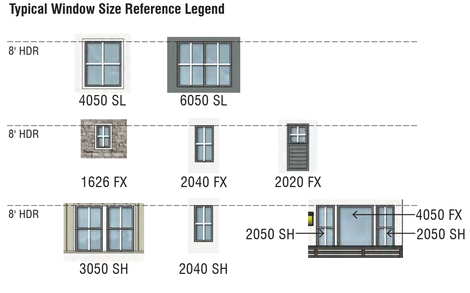
Left Elevation

Front Elevation

Color Scheme 1, Refer to Exterior Color / Material Design prepared by others.

- Artist's conception; colors, materials, application, and landscape treatments may vary.

Typical Window Size Reference Legend



BUILDING MATERIAL: TRANSITIONAL

Roof:	Parapet
Exterior:	Stucco Finish
Deck Accents:	Metal Railing
Window & Door Trim:	Vinyl
Accents:	Fiber Cement Siding, Stone Veneer
Entry Door:	Decorative Front Entry Door
Garage Door:	Sectional Garage Doors

6 Plex | Conceptual Elevations

COMPTON BLVD & KEMP AVE SITE

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0 4 8 16

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Right Elevation

Rear Elevation

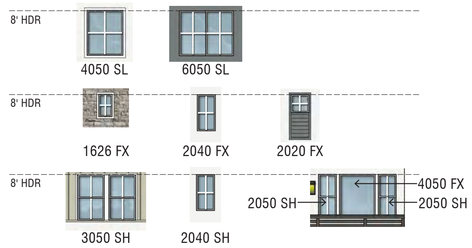
Left Elevation

Front Elevation

Color Scheme 2, Refer to Exterior Color / Material Design prepared by others.

- Artist's conception; colors, materials, application, and landscape treatments may vary.

Typical Window Size Reference Legend



BUILDING MATERIAL: TRANSITIONAL

Roof:	Parapet
Exterior:	Stucco Finish
Deck Accents:	Metal Railing
Window & Door Trim:	Vinyl
Accents:	Fiber Cement Siding, Stone Veneer
Entry Door:	Decorative Front Entry Door
Garage Door:	Sectional Garage Doors

6 Plex | Conceptual Elevations

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

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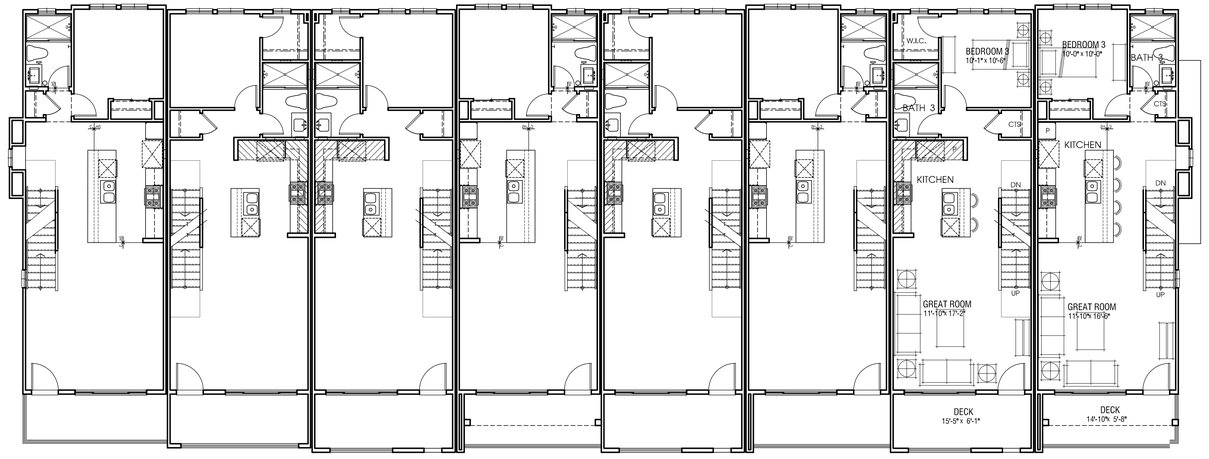
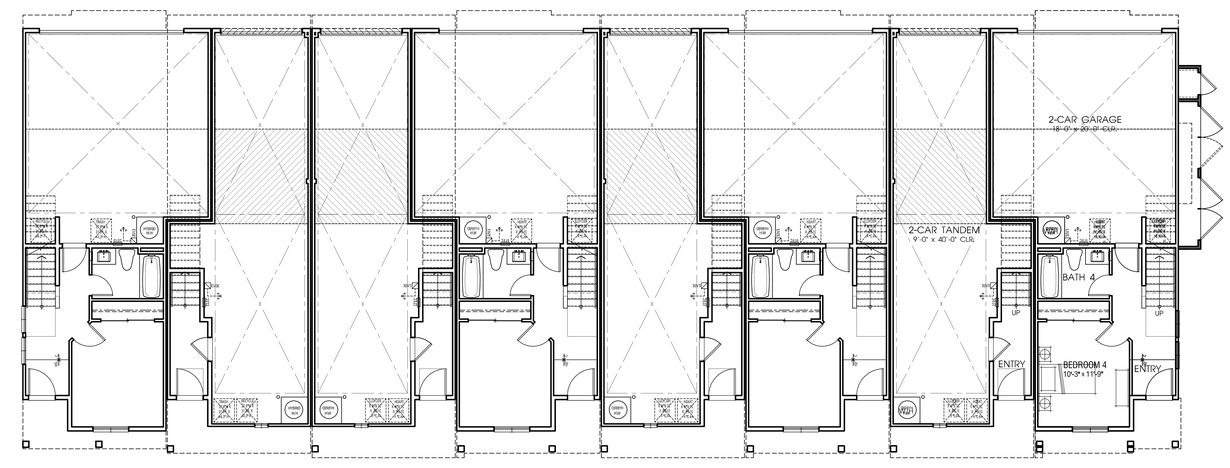


Second Floor



Plan 1
3 BEDROOM / 3 BATH
+/-1,404 SF

Plan 2
4 BEDROOM / 4 BATH
+/-1,664 SF

First Floor

OCCUPANCY: R2
CONSTRUCTION TYPE: VB
SPRINKLER SYSTEM: NFPA 13

8 Plex | Conceptual Floor Plans

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

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A-5

0 4 8 16

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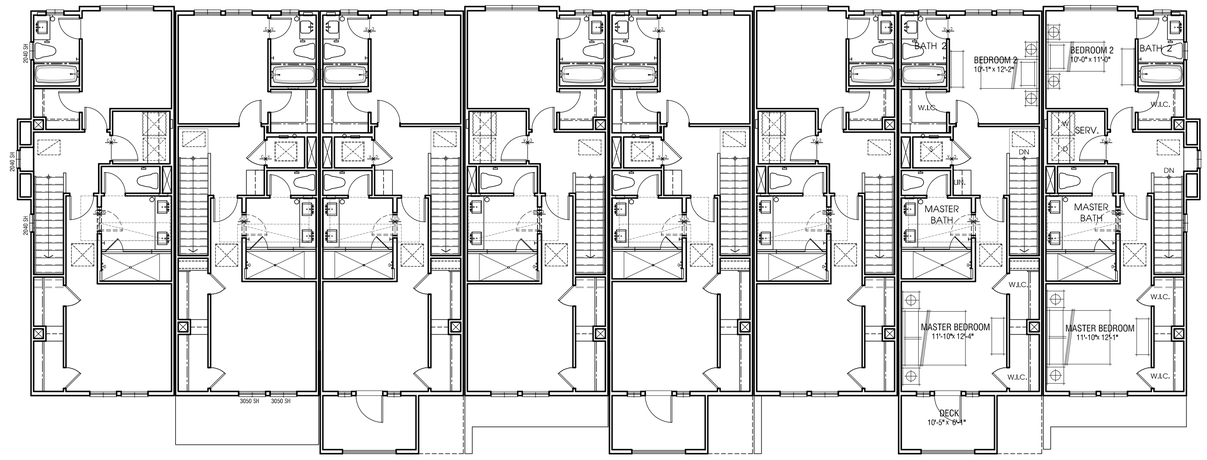
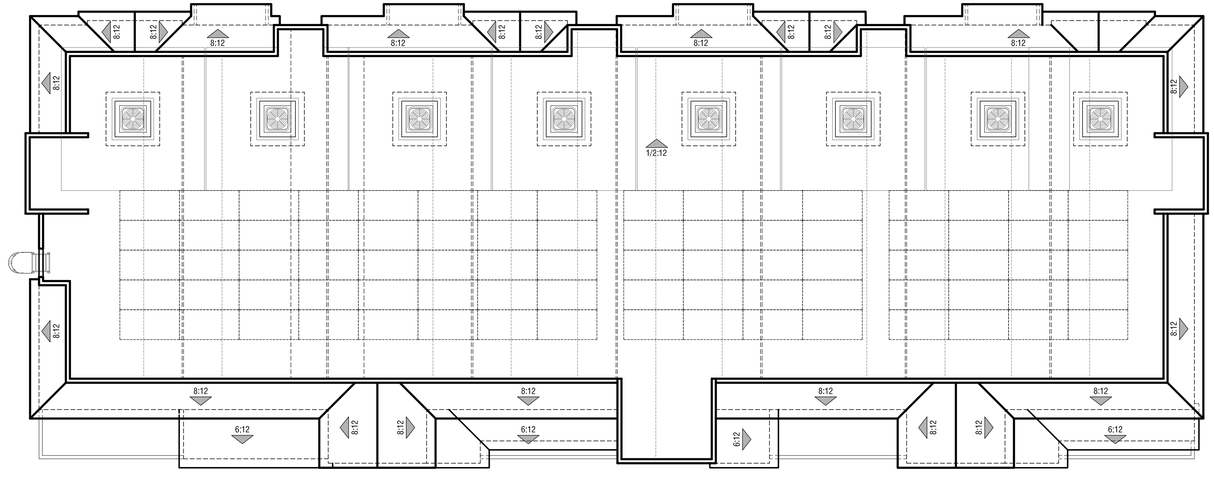


Third Floor



Roof Floor

OCCUPANCY: R2
CONSTRUCTION TYPE: VB
SPRINKLER SYSTEM: NFPA 13

8 Plex | Conceptual Floor Plans

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

A-6

0 4 8 16

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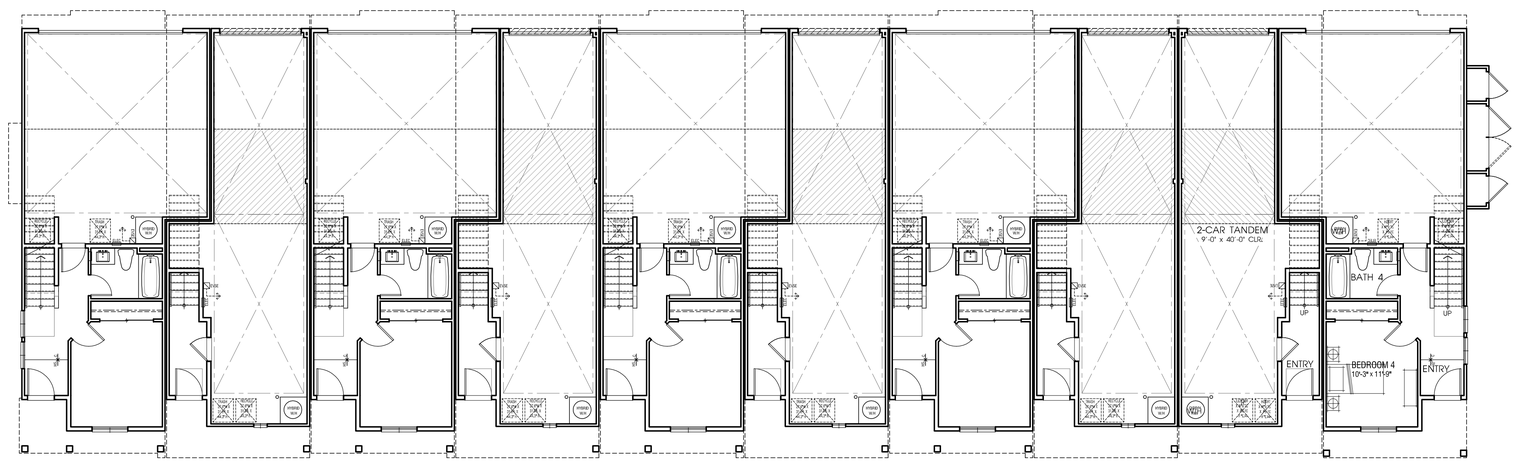
Second Floor



Plan 1	Plan 2
3 BEDROOM / 3 BATH	4 BEDROOM / 4 BATH
+/-1,404 SF	+/-1,664 SF

First Floor

OCCUPANCY: R2
CONSTRUCTION TYPE: VB
SPRINKLER SYSTEM: NFPA 13

10 Plex | Conceptual Floor Plans

Note: Square Footage may vary depending on method of calculation.
Note: Further floor plan coordination needed to reflect elevations.

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

A-7

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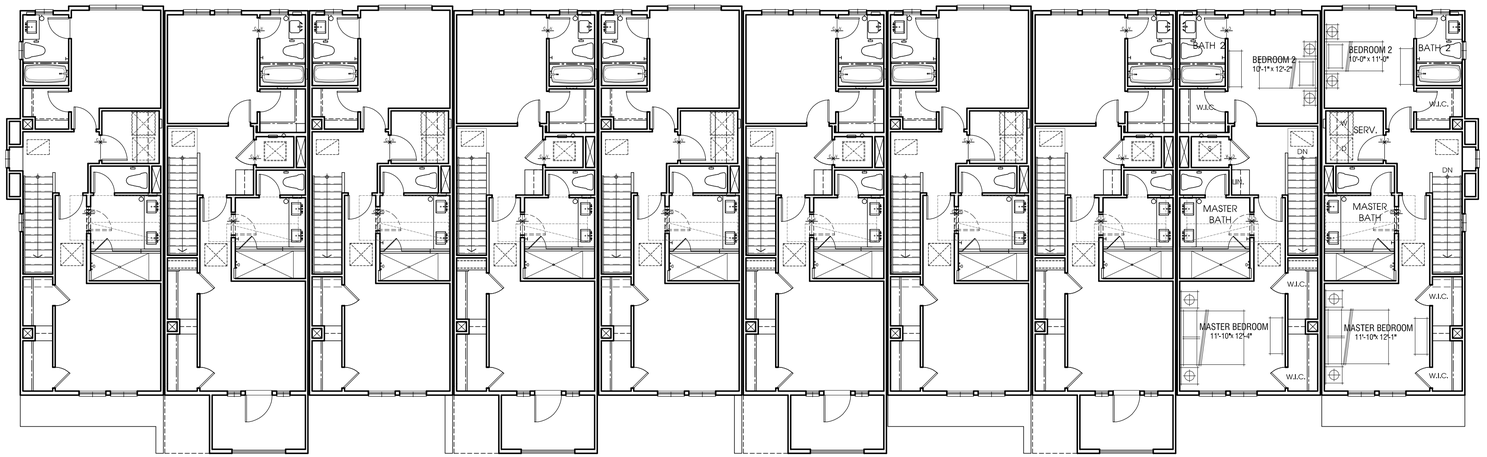
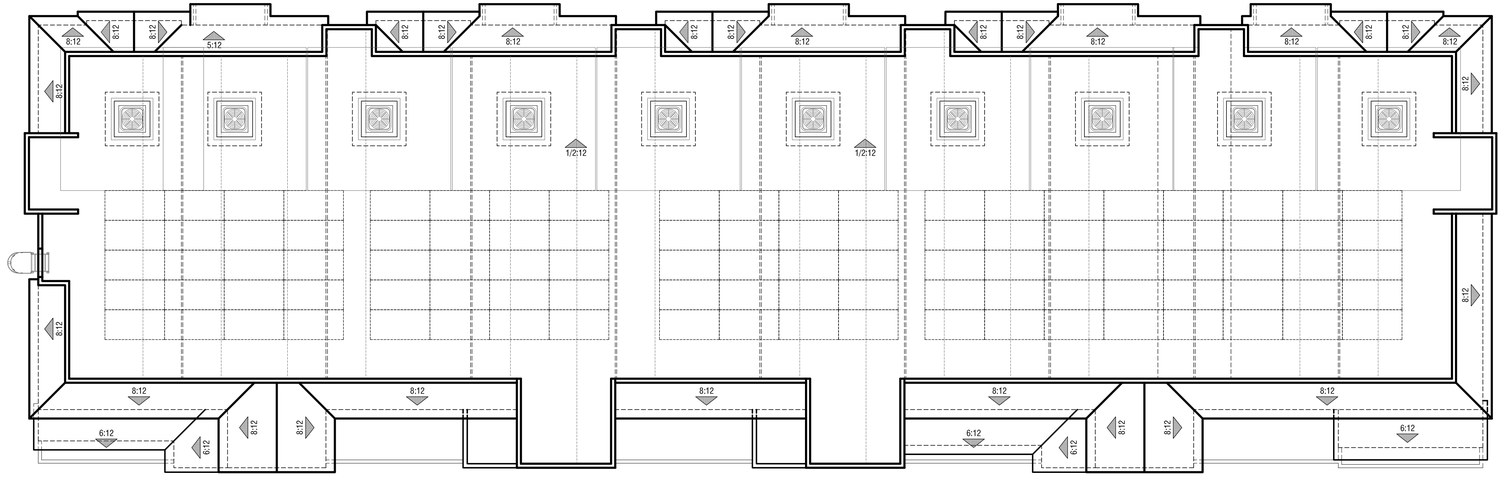


Third Floor



Roof

OCCUPANCY: R2
CONSTRUCTION TYPE: VB
SPRINKLER SYSTEM: NFPA 13

10 Plex | Conceptual Floor Plans

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

Note: Square Footage may vary depending on method of calculation.
Note: Further floor plan coordination needed to reflect elevations.

A-8

0 4 8 16

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Right Elevation

Rear Elevation

Left Elevation

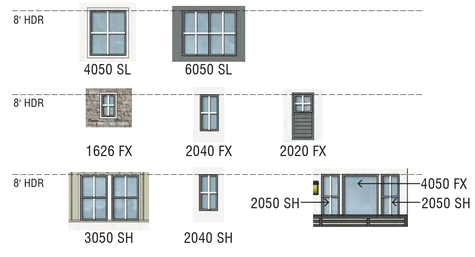
Finish Grade Varies Per Civil

Front Elevation

Color Scheme 1, Refer to Exterior Color / Material Design prepared by others.

- Artist's conception; colors, materials, application, and landscape treatments may vary.

Typical Window Size Reference Legend



BUILDING MATERIAL: TRANSITIONAL

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Deck Accents:	Metal Railing
Window & Door Trim:	Vinyl
Accents:	Fiber Cement Siding, Stone Veneer
Entry Door:	Decorative Front Entry Door
Garage Door:	Sectional Garage Doors

10 Plex | Conceptual Elevations

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

A-9

0 4 8 16

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Right Elevation

Rear Elevation

Left Elevation

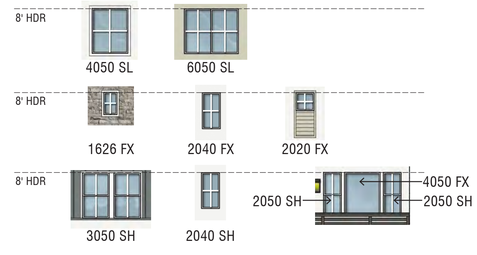
Finish Grade Varies Per Civil

Front Elevation

Color Scheme 2, Refer to Exterior Color / Material Design prepared by others.

- Artist's conception; colors, materials, application, and landscape treatments may vary.

Typical Window Size Reference Legend



BUILDING MATERIAL: TRANSITIONAL

Roof:	Parapet
Exterior:	Stucco Finish
Deck Accents:	Metal Railing
Window & Door Trim:	Vinyl
Accents:	Fiber Cement Siding, Stone Veneer
Entry Door:	Decorative Front Entry Door
Garage Door:	Sectional Garage Doors

10 Plex | Conceptual Elevations

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

A-10

0 4 8 16

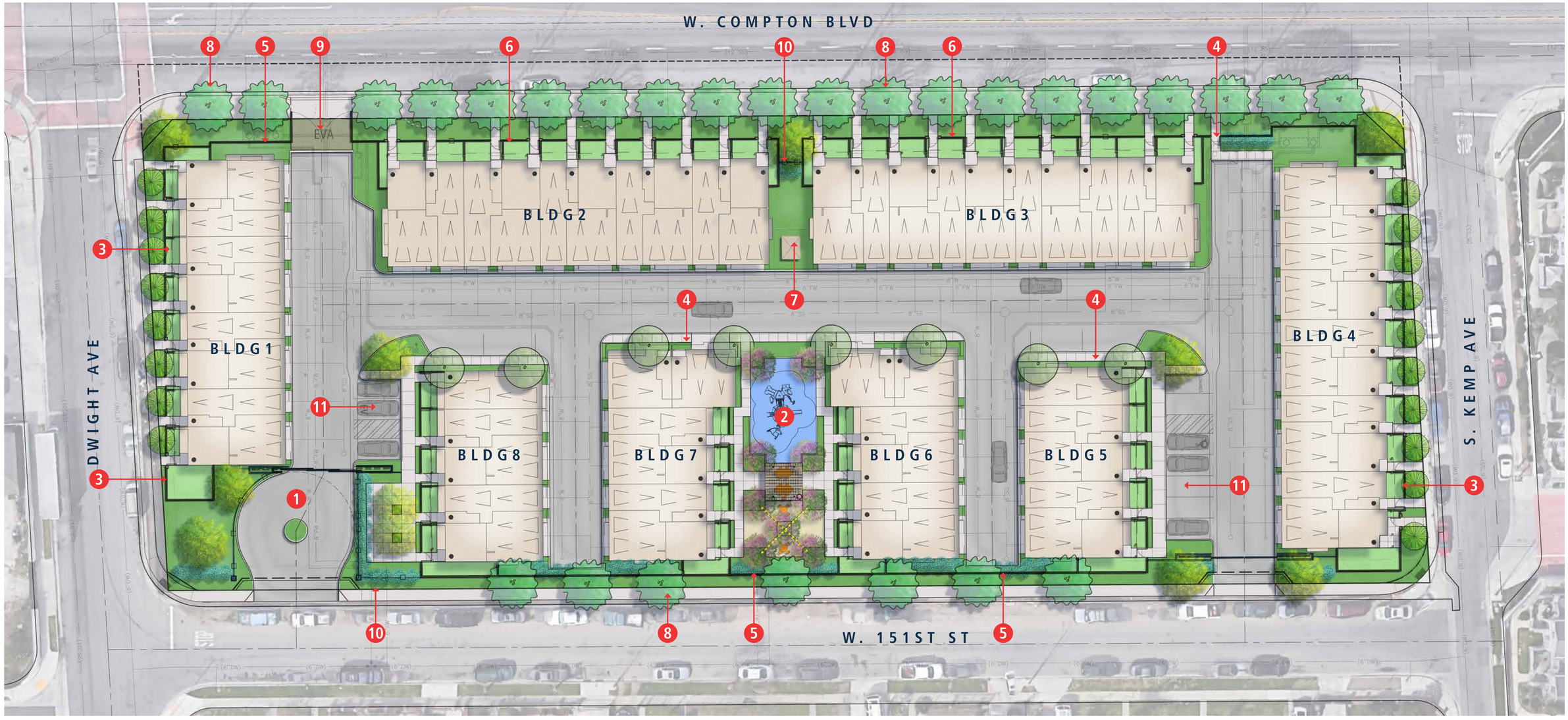
CITY SUBMITTAL

© 2022 WILLIAM HEZMALHALCH ARCHITECTS, INC. DBA WHA. | 2013039 | 04-25-22

ARCHITECTS . PLANNERS . DESIGNERS

WHA.

ORANGE COUNTY . LOS ANGELES . BAY AREA



LEGEND

1. Gated Entry with Specimen Trees and Landscaping
2. The Core:
   - Built-in Shade Structure
   - Barbecue and Dining Seating
   - Tot Lot / Playstructure
   - Event Lighting
3. Private Front Yard w/ 5' Patio Wall (Refer Sheet L-3 to L-5)
4. Concrete Sidewalk with Pedestrian Access Gate
5. 6' Screen Wall (Refer Sheet L-3 to L-5)
6. 2.5' Low Wall with 2.5' Tubular Steel Fence (Refer Sheet L-3 to L-5)
7. Transformer
8. Street Trees - 36" box @ 30' o.c. max.
9. EVA Gate with Turf Block Paving
10. Community Security TS Fence with 5' ht. Screening Hedge
11. Parking Lot

- Specimen Tree - (1) 24" box per (4) parking stalls
- Street Tree - (21) 36" box @ 30' o.c. max.
- Patio Tree
- Parkway Tree
- Common Area Accent Tree
- Vertical / Screening Tree
- Private Area
- Common Open Space

NOTES:

All utility easement shall remain unobstructed and fully accessible along their entire length for maintenance equipment entry.

The developer, his successors and assigns, shall be responsible for installation, maintenance and replacement of all landscaping materials shown or indicated on the approved Site Plan or landscape plan on file in the planning department. All landscaping will be installed as delineated on the plan, prior to issuance of certificate of occupancy.

City Ventures

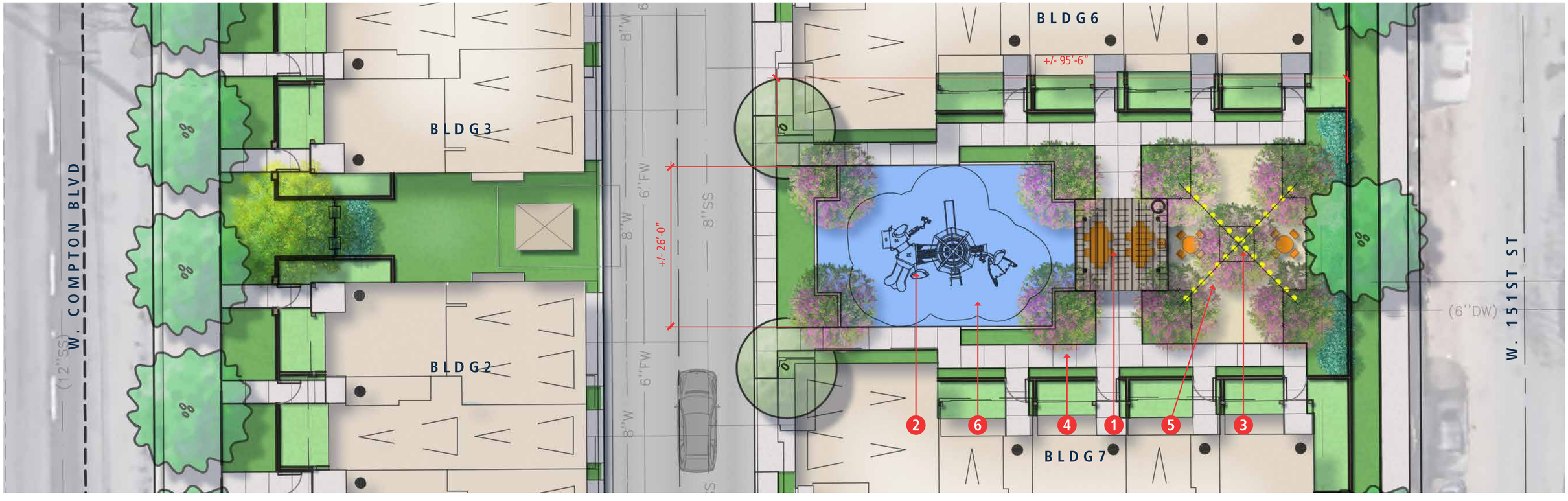
930 W. COMPTON BLVD - CONCEPTUAL LANDSCAPE PLAN

COMPTON, CALIFORNIA

0 10' 20' 40'
Scale: 1" = 20'-0"

04.22.22

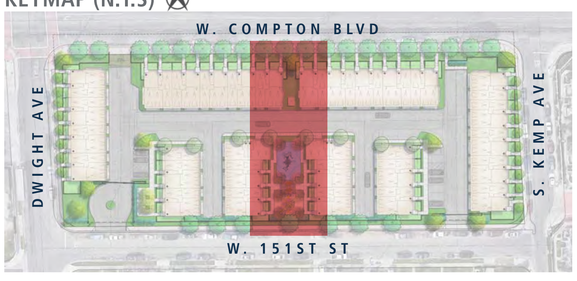
C2 Collaborative
LANDSCAPE ARCHITECTURE



LEGEND

1. Shade Structure (increased from 12' sq to 12' x 16') with Barbecue and Dining seating
2. Play Area- SmartPlay Breeze (28' x 36' min)
3. Shade Tree Grove with Event Lighting
4. Concrete Sidewalk
5. Social Gathering Area with Shade Tree Grove and Seating
6. Playground Surface

KEYMAP (N.T.S)



* for illustrative purposes only; final design may very

City Ventures

930 W. COMPTON BLVD - THE CORE ENLARGEMENT

COMPTON, CALIFORNIA

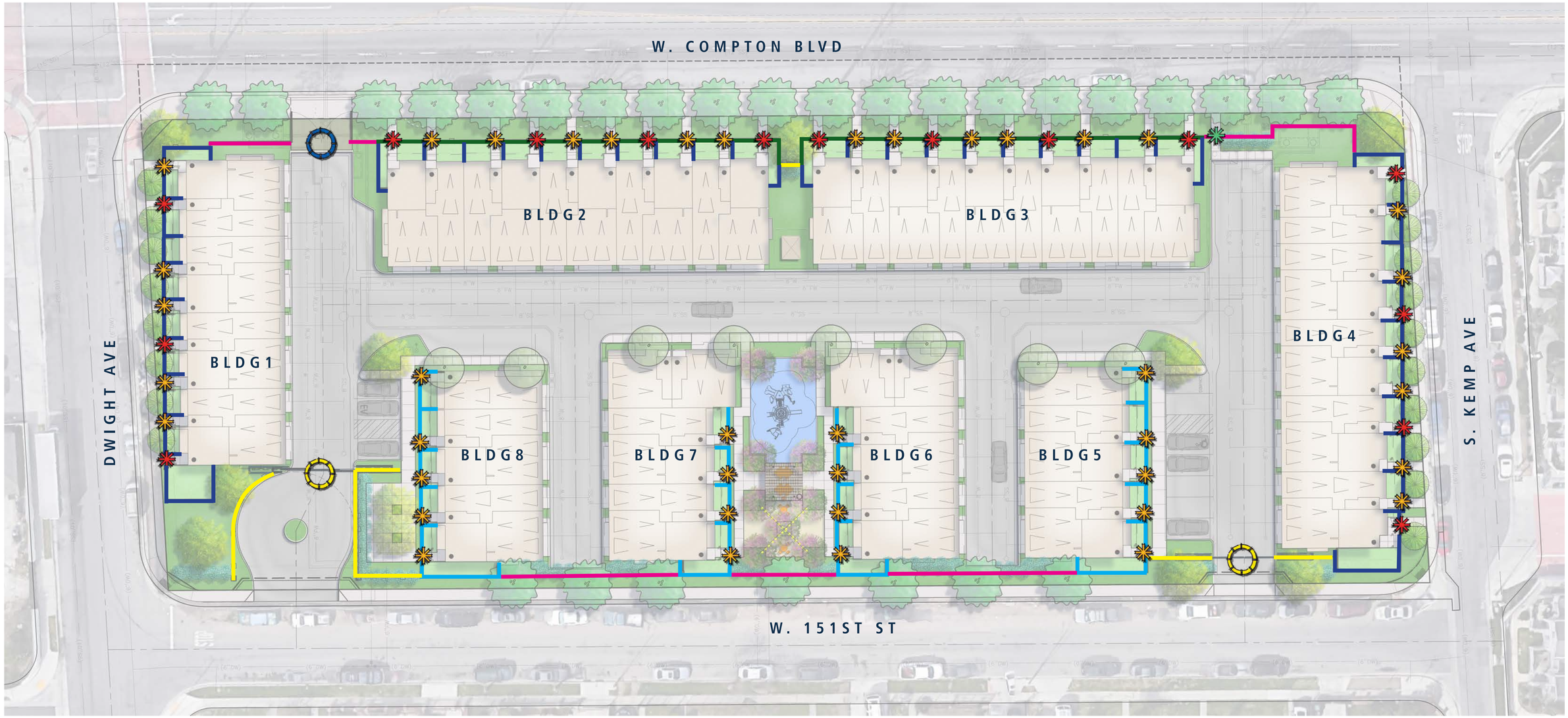
0 4' 8' 16'

Scale: 1/8" = 1'-0"

04.22.22

L-2

C2 Collaborative
LANDSCAPE ARCHITECTURE



LEGEND

- 4′ Front Yard Patio Wall
- Typical 5′ Streetfront Yard Wall
- 2.5′ Low Wall with 2.5′ Tubular Steel Fence
- 6′ Screen Wall
- Community Security TS Fence
- Front Yard Gate
- Street Front Yard Gate with Columns on Both Sides
- Community Vehicular Gate
- EVA Gate
- Pedestrian Access Gate

City Ventures

930 W. COMPTON BLVD - CONCEPTUAL WALL AND FENCE PLAN

COMPTON, CALIFORNIA

0 10′ 20′ 40′

Scale: 1″= 20′-0″

04.22.22

C2 Collaborative
LANDSCAPE ARCHITECTURE

TYPICAL STREET FACING BUILIDNG FRONT YARD WALL AND GATE ELEVATION (DWIGHT AVE AND S. KEMP AVE)

Scale: N.T.S.

STREET FACING BUILDING FRONT YARD 2.5’ LOW WALL WITH 2.5’ TUBULAR STEEL FENCE ELEVATION (W. COMPTON BLVD)

Scale: N.T.S.

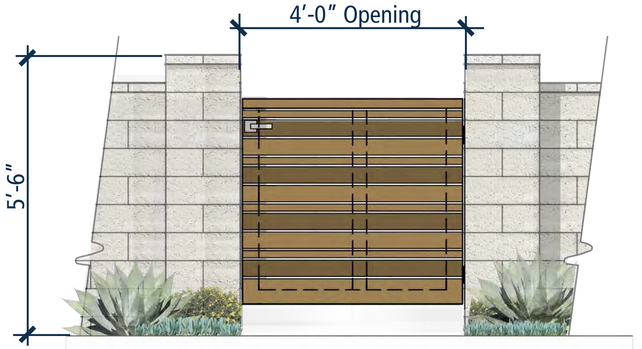
FRONT YARD WALL

4' ht. Split Face Wall with Cap
Color to Match Architecture

FRONT YARD GATE

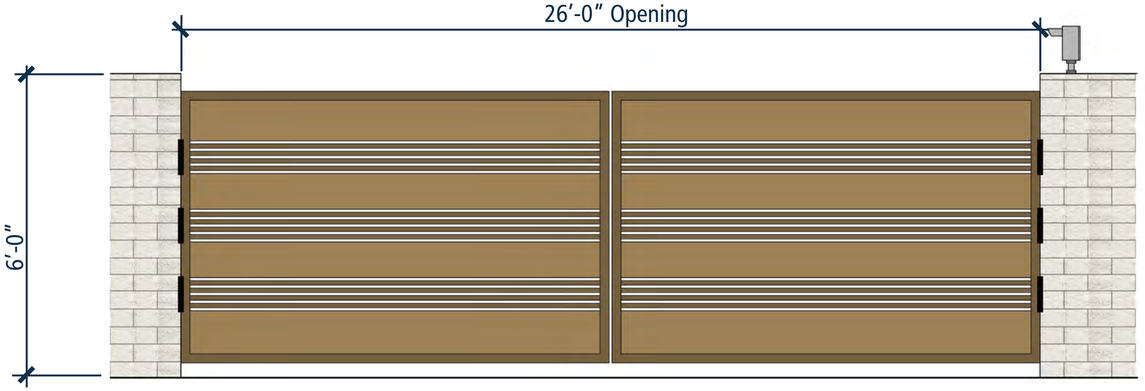
Wood Gate
Color to Match Architecture

STREET FRONT YARD GATE WITH COLUMNS



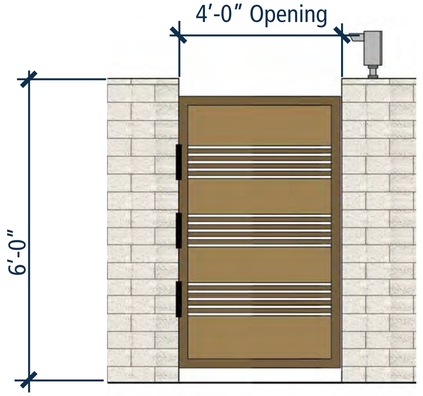
Wood Gate
Color to Match Architecture
5.5' ht. Columns

EVA GATE



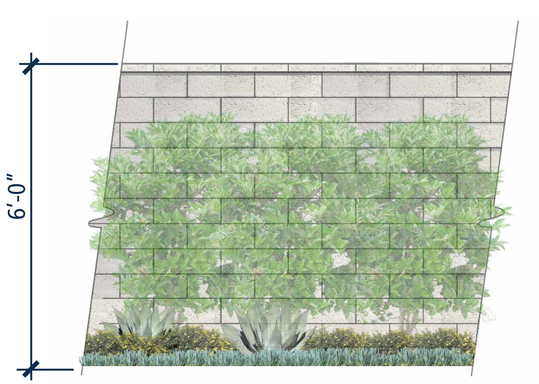
Tubular Steel Frame with Metal Siding Swing Gate
Strobe Detector / Security Camera System

PEDESTRIAN GATE

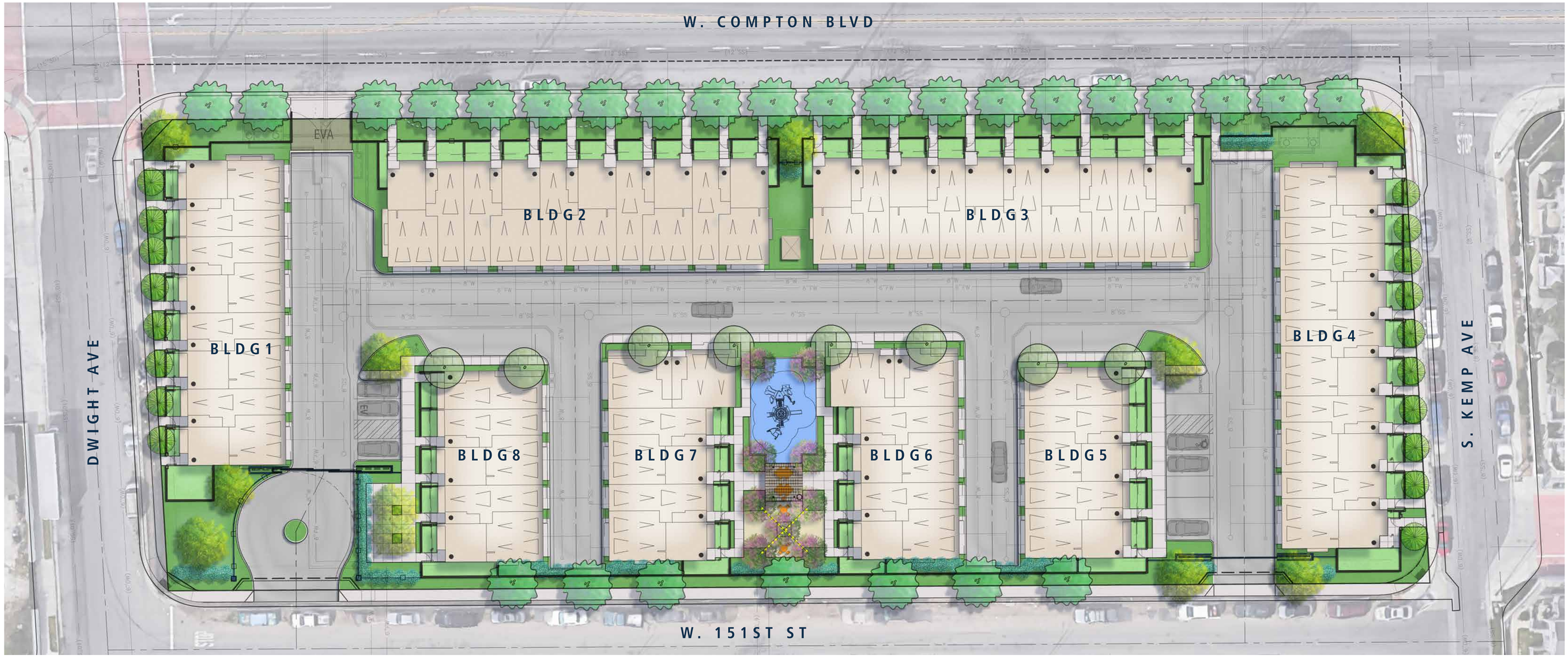


Tubular Steel Frame with Metal Siding Gate
Strobe Detector / Security Camera System

SCREEN WALL



6' ht. Split Face Wall with Cap
Color to Match Architecture



TREE

BOTANICAL NAME	COMMON NAME	SIZE	FORM	WUCOLS
Specimen Trees				
Jacaranda mimosifolia	Jacaranda	24" min	Standard	M
Quercus virginiana	Southern Live Oak	36"min	Standard	M
Sreet Tree				
Laurus nobilis	Sweet Bay	36" min	Standard	L
Platanus acerifolia	London Plane Tree	36" min	Standard	M
Patio Trees				
Cupaniopsis anacardioides	Carrot Wood	24" min	Standard	M
Feijoa sellowiana	Pineapple Guava	24" min	Standard	L
Parkway Tree				
Arbutus unedo 'Marina'	Marina Strawberry Tree	24" min	Standard	L
Pistacia chinensis	Chinese Pistache	24" min	Standard	M
Common Area Accent Tree				
Erythrina caffra	Kaffirboom Coral Tree	24" min	Standard	L
Koelreuteria paniculata	Goldenrain Tree	24" min	Standard	L
Vertical/Screening Trees				
Ligustrum japonicum	Japanese privet	24" min	Standard	M
Podocarpus macrophyllus	Yew Pine	24" min	Standard	M
Prunus caroliniana	Carolina Lurel Cherry	24" min	Standard	M

SHRUB

VINE

GROUND-COVER

BOTANICAL NAME	COMMON NAME	SIZE	SPACING	WUCOLS
Agapanthus africanus	Lily-of-the-Nile	1 gal	36" o.c.	M
Agave attenuata	Foxtail Agave	5 gal	30" o.c.	L
Aloe spp.	Aloe	5 gal	36" o.c.	L
Calliandra tweedii	Trinidad Flame Brush	5 gal	36" o.c.	L
Dietes spp.	African Iris/Fortnight Lily	5 gal	36" o.c.	L
Hemerocallis spp.	Daylily	1 gal	24" o.c.	M
Hibiscus spp.	Hibiscus	5 gal	48" o.c.	M
Juniperus sabina spp.	Juniper	5 gal	36" o.c.	L
Nandina domestica	Heavenly Bamboo	5 gal	36" o.c.	L
Pittosporum tobira	Japanese Cheesewood	5 gal	30" o.c.	M
Strelitzia nicolai	Giant Bird of Paradise	15 gal	48" o.c.	M
Bougainvillea spp.	Bougainvillea	15 gal	Per Plan	L
Lonicera japonica 'Halliana'	Hall's Japanese Honeysuckle	15 gal	Per Plan	L
Aptenia cordifolia	Baby Sun Rose	1 gal	24" o.c.	L
Carissa grandiflora	Natal Plum	1 gal	36" o.c.	L
Lantana montevidensis	Trailing Lantana	1 gal	36" o.c.	M
Trachelospermum jasminoides	Star Jasmin	1gal	36" o.c.	M

NOTES:

All landscaped areas and plant material must be watered by an automatic underground irrigation system. All Controllers for these systems shall be connected to automatic shutoff rain sensors.

City Ventures

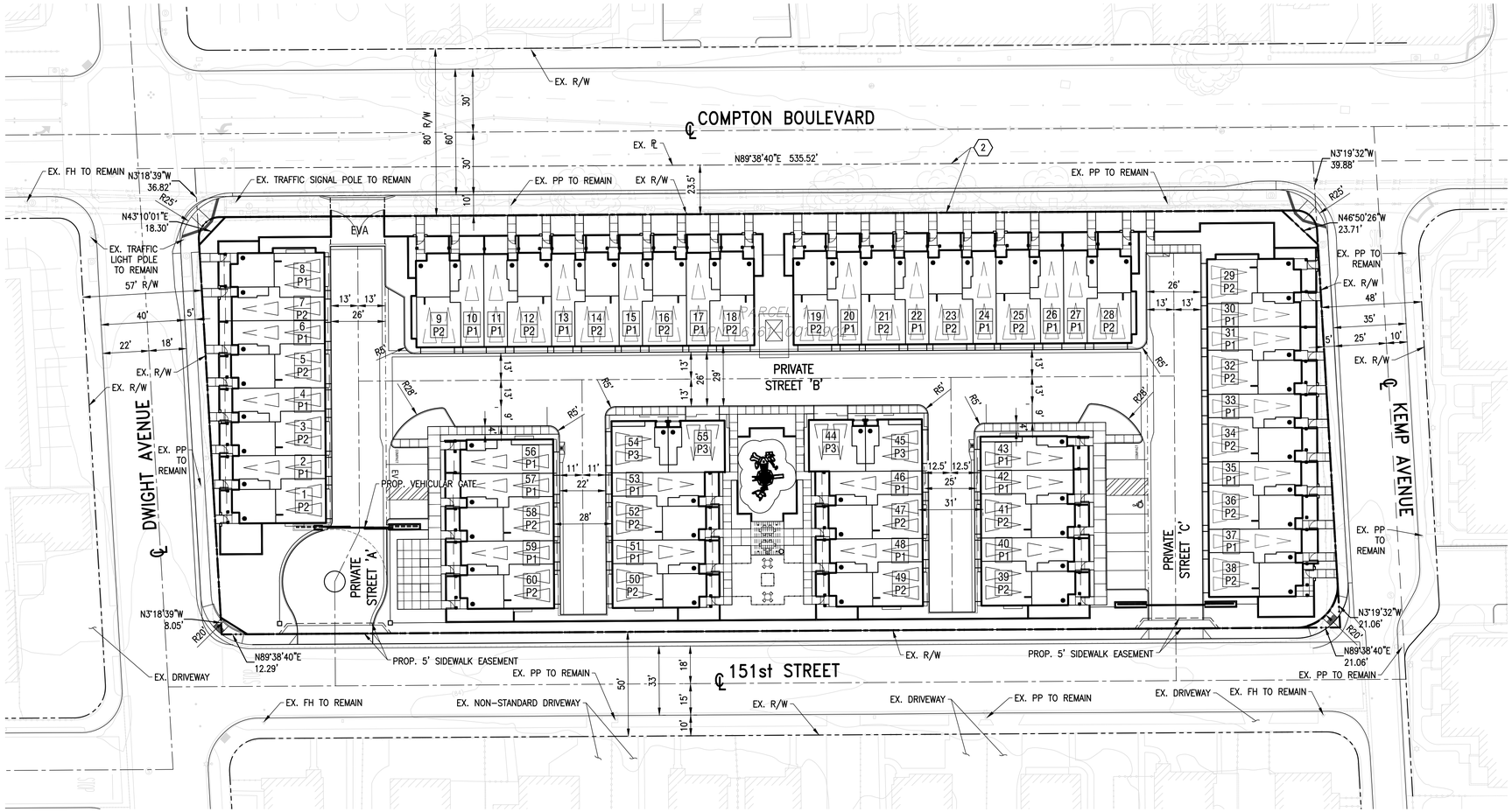
930 W. COMPTON BLVD - CONCEPTUAL MASTER PLANT PALETTE

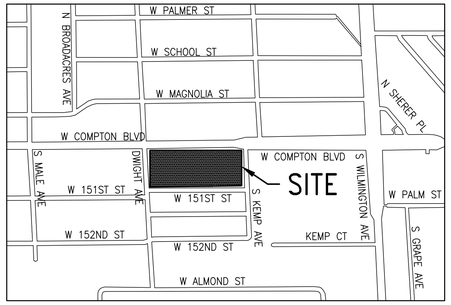
COMPTON, CALIFORNIA

04.22.22

C2 Collaborative
LANDSCAPE ARCHITECTURE

CITY OF COMPTON
TENTATIVE TRACT MAP No. 82807
FOR CONDOMINIUM PURPOSES





VICINITY MAP
N.T.S.

OWNER:

CITY VENTURES
3121 MICHELSON DR. SUITE 150
IRVINE, CA 92612
PHONE: (949) 258-7555

CIVIL ENGINEER:

C&V CONSULTING, INC.
9830 IRVINE CENTER DR.
IRVINE, CA 92618
PHONE: (949) 916-3800
CONTACT: PHIL MALCOMSON

TITLE INFORMATION:

THE FOLLOWING TITLE INFORMATION WAS DERIVED FROM A PRELIMINARY TITLE REPORT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER NO.: 989-30024731-SC4 DATED JANUARY 22, 2019 AT 7:30 A.M.

# DENOTES PLOTTED ITEM.

(2) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO:	CITY OF COMPTON, A MUNICIPAL CORPORATION
PURPOSE:	PUBLIC STREET AND INCIDENTAL PURPOSES
RECORDING DATE:	AUGUST 27, 1959
RECORDING NO:	BOOK D585, PAGE 834 OF OFFICIAL RECORDS

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF COMPTON IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHERLY 223.5 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THE EASTERLY 70 FEET THEREOF.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF COMPTON, RECORDED OCTOBER 1, 1948 AS INSTRUMENT NO. 1844, IN BOOK 28405, PAGE 70 OF OFFICIAL RECORDS, AS TO PARCELS 1 AND 2 BELOW:

PARCEL 1:

THAT PORTION OF SAID LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT "G" (SAID NORTHERLY LINE BEARS NORTH 89° 58' 40" EAST), DISTANT THEREON 592.62 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF SAID LOT "G";

THENCE SOUTH 13° 19' 40" EAST, A DISTANCE OF 223.80 FEET;

THENCE SOUTH 89° 38' 40" WEST, A DISTANCE OF 30 FEET:

THENCE NORTH 13° 19' 40" WEST TO THE NORTHERLY LINE OF SAID LOT "G";

THENCE EASTERLY ALONG SAID NORTHERLY LINE OF SAID LOT "G" TO THE POINT OF BEGINNING TO BE KNOWN AS KEMP STREET.

PARCEL 2:

THE WESTERLY 27 FEET OF THE NORTHERLY 223.50 FEET TO THE NORTHWEST QUARTER OF LOT "G" OF TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TO BE KNOWN AS DWIGHT STREET.

EXCEPT THEREFROM ALL OIL, GAS, MINERAL AND HYDROCARBON SUBSTANCES LYING BEING A DEPTH OF 500 FEET FROM THE SURFACE OF SAID LAND, WITHOUT RIGHT OF SURFACE ENTRY, WHICH RIGHT IS RESERVED IN THE DEED FROM ROBERT L. HOROWITZ AND ELEANOR HOROWITZ, HIS WIFE, CLARENCE K. HOROWITZ AND ROSALIE H. HOROWITZ, HIS WIFE, AND FREDERICK G. HOROWITZ AND BARBARA J. HOROWITZ, HIS WIFE, RECORDED MARCH 3, 1970 AS INSTRUMENT NO. 215 OF OFFICIAL RECORDS.

APN(S): 6161-001-902

SHEET INDEX:

1 TENTATIVE MAP
2 CONCEPTUAL SITE PLAN
3 SECTIONS
4 CONCEPTUAL GRADING PLAN
5 CONCEPTUAL UTILITY PLAN

ABBREVIATIONS:

AC	ASPHALT CONCRETE
ASPH	ASPHALT
BLDG	BUILDING
CB	CATCH BASIN
CF	CURB FACE
℄	CENTER LINE
CO	CLEAN OUT
CONC	CONCRETE PAVEMENT
DW	DOMESTIC WATER
EX	EXISTING
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GV	GATE VALVE
INV	INVERT
LAT	LATERAL
MH	MANHOLE
NTS	NOT TO SCALE
OH-E	OVERHEAD POWERLINE
PP	POWER POLE
ℙ	PROPERTY LINE
PROP	PROPOSED
R	RISER
RCP	ROUNDED REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SS	SANITARY SEWER
SVC	SERVICE
S/W	SIDEWALK
ST LT	STREET LIGHT
TYP.	TYPICAL
WM	WATER METER

LEGEND:

- CENTERLINE
- EX. TRACT BOUNDARY/ RIGHT-OF-WAY LINE
- PROP. TRACT BOUNDARY / RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- EX. FENCE
- PROP. WALL
- (84) EX. CONTOUR LINE
- FIRE HYDRANT
- WATER VALVE
- EX. SEWER MANHOLE
- EX. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- PROP. BUILDING
- (17) LOT NUMBER

FLOOD NOTE:

THE SUBJECT PROPERTY FALLS WITHIN "ZONE X – AREA OF MINIMAL FLOOD HAZARD" PER FEMA MAP NO. 06037C1815F, A PRINTED PANEL, EFFECTIVE SEPTEMBER 26, 2008

TOPOGRAPHY NOTE:

TOPOGRAPHY AND CONTOURS SHOWN HEREON ARE BASED ON 1' CONTOUR INTERVALS FROM AERIAL PHOTOGRAMETRY FLOWN BY C&V CONSULTING INC. ON 4/2/2019. THE RELATIVE POSITIONAL ACCURACY OF CALLED OUT IMPROVEMENTS SHOWN ON THE SURVEY IS WITHIN 0.1' OF THEIR ACTUAL LOCATIONS.

BENCHMARK STATEMENT:

LOS ANGELES COUNTY BENCHMARK NO. Y5878
ELEV: 99.944' (NAVD88 LEVELED 2005)
DESCRIBED AS: "L&T IN CB RET 4.3M(14FT) E/O BCR @ NW CORNER LONDRA BL & CENTRAL AVE"

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE BEARING OF WEST COMPTON AVENUE BEING NORTH 89°38'40" EAST AS SHOWN ON TRACT NO. 15223 FILED IN BOOK 331, PAGES 47 AND 48 OF MAPS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER.

ZONING INFORMATION

EXISTING GENERAL PLAN: MEDIUM DENSITY RESIDENTIAL
PROPOSED GENERAL PLAN: GC – GENERAL COMMERCIAL

EXISTING ZONING: CL – LIMITED COMMERCIAL AND P – PARKING
PROPOSED ZONING: CL – LIMITED COMMERCIAL

REQUIRED SETBACKS:	FRONT YARD – COMPTON BLVD:	15' TO BUILDING
	STREET SIDE YARD – DWIGHT AVE:	5' TO BUILDING
	STREET SIDE YARD – KEMP AVE:	5' TO BUILDING
	REAR YARD – 151st ST:	10' TO BUILDING

MINIMUM BUILDING SEPARATION: 8'

AREA SUMMARY:

107,051.35 SQ. FT. (2.457 AC) GROSS
106,726.73 SQ. FT. (2.450 AC) NET

DATE OF PREPARATION:

3/22/21

UTILITY PROVIDERS:

UTILITY	AGENCY	PHONE NUMBER
STORM DRAIN	CITY OF COMPTON	(310) 605-5505
SANITARY SEWER	REPUBLIC SERVICES	(800) 299-4898
WATER	COMPTON MUNICIPAL WATER DEPARTMENT	(310) 605-5524
ELECTRICITY	SOUTHERN CALIFORNIA EDISON	(800) 655-4555
TELEPHONE	AT&T	(800) 331-0500
GAS	SOCALGAS	(800) 427-2200
CATV	SPECTRUM	(866) 874-2389

SCALE: 1" = 30'
0 15 30 60

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

TITLE SHEET
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 1 of 5

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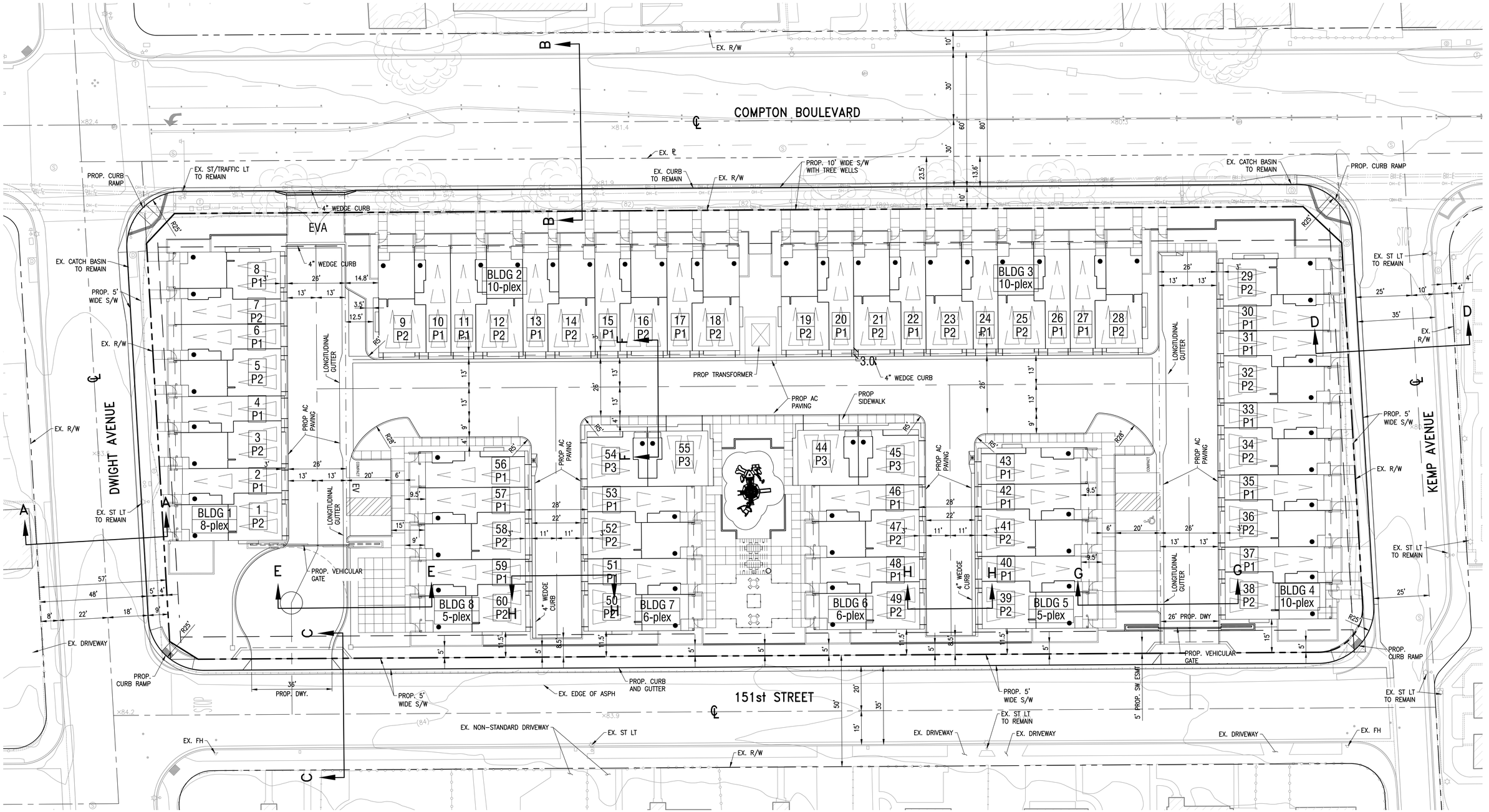
PROJ: CVCN-125

CITY OF COMPTON
CONCEPTUAL SITE PLAN



PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

CONCEPTUAL SITE PLAN
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 2 of 5

PROJ: CVCN-125
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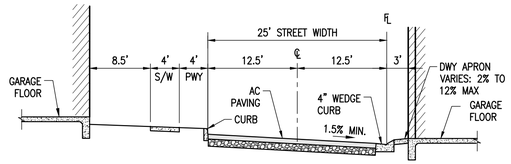
CITY OF COMPTON
STREET SECTIONS



SECTION 'F-F'
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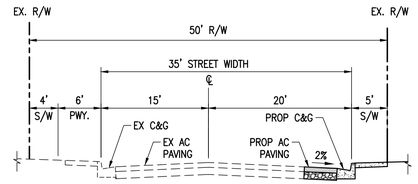
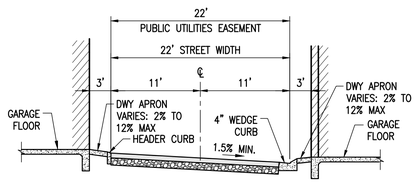


TYPICAL SECTION 'C-C'
151ST ST.
N.T.S.



SECTION 'H-H'
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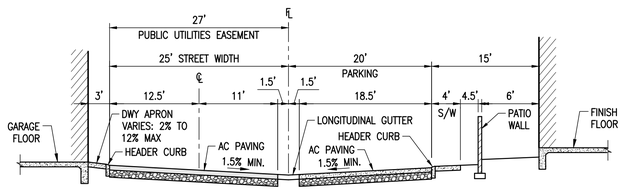

SECTION 'E-E'
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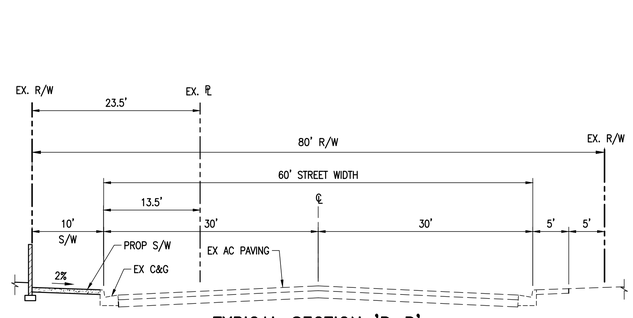
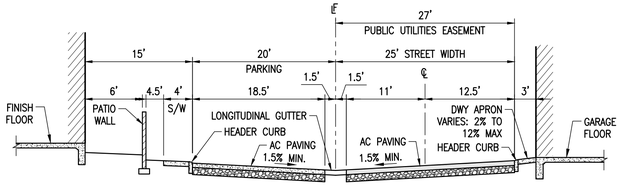
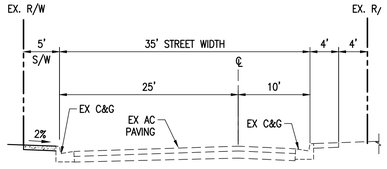


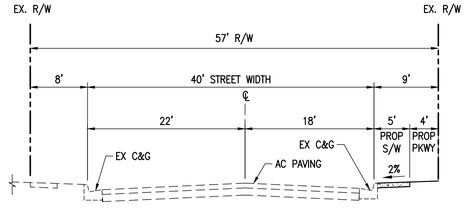
TYPICAL SECTION 'B-B'
COMPTON BLVD.
N.T.S.



SECTION 'G-G'
N.T.S.



TYPICAL SECTION 'D-D'
KEMP AVE.
N.T.S.



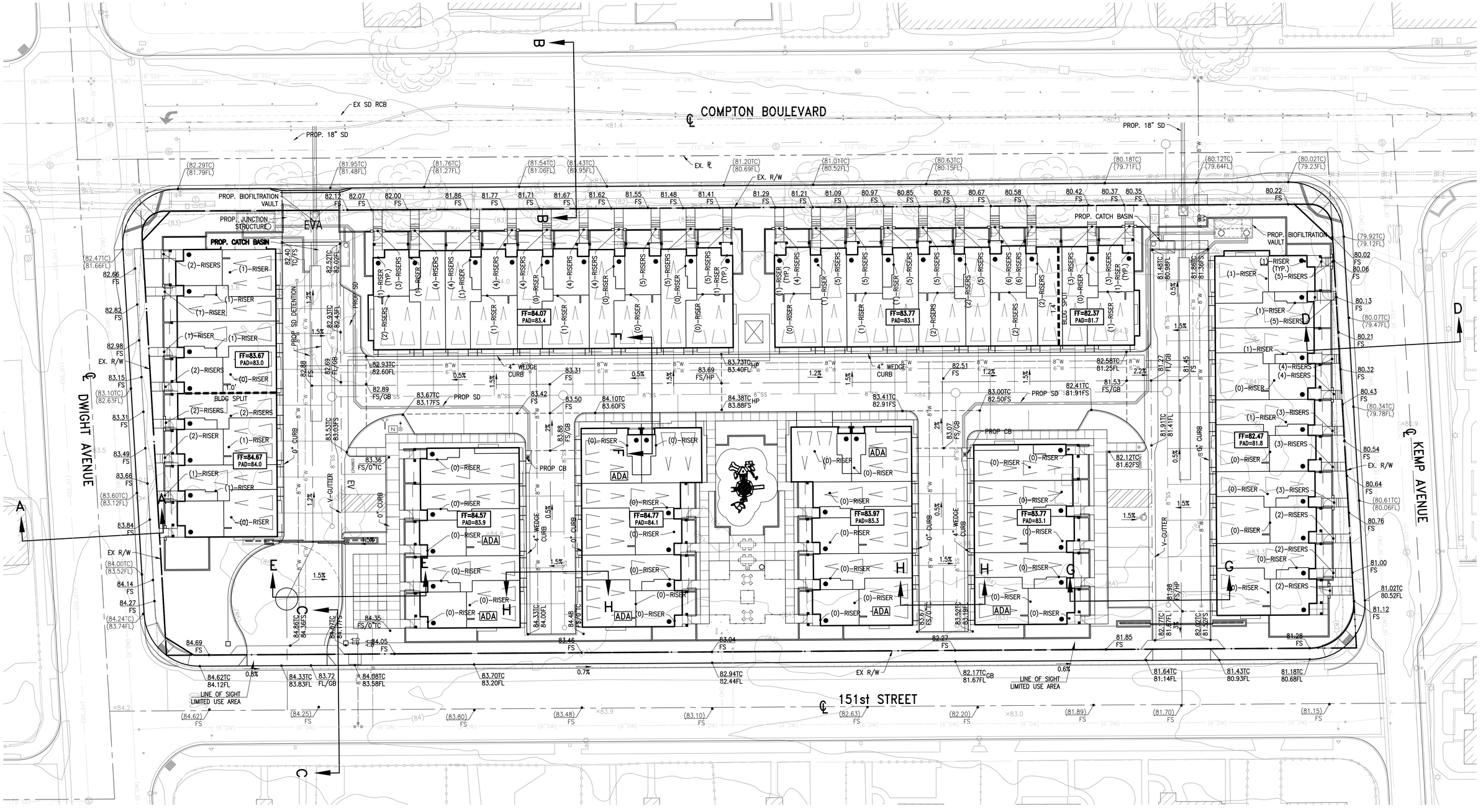
TPYICAL SECTION 'A-A'
DWIGHT AVE.
N.T.S.

PREPARED BY:
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

STREET SECTIONS
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA

DWG: P:\CVC\CVC14-125\dwg\Sheets\TTM\TTM-PH-03-SECTION.dwg BY: tgelfer Apr 25, 2022 - 6:57:22am
PROJ: CVC14-125

CITY OF COMPTON
CONCEPTUAL GRADING PLAN



PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

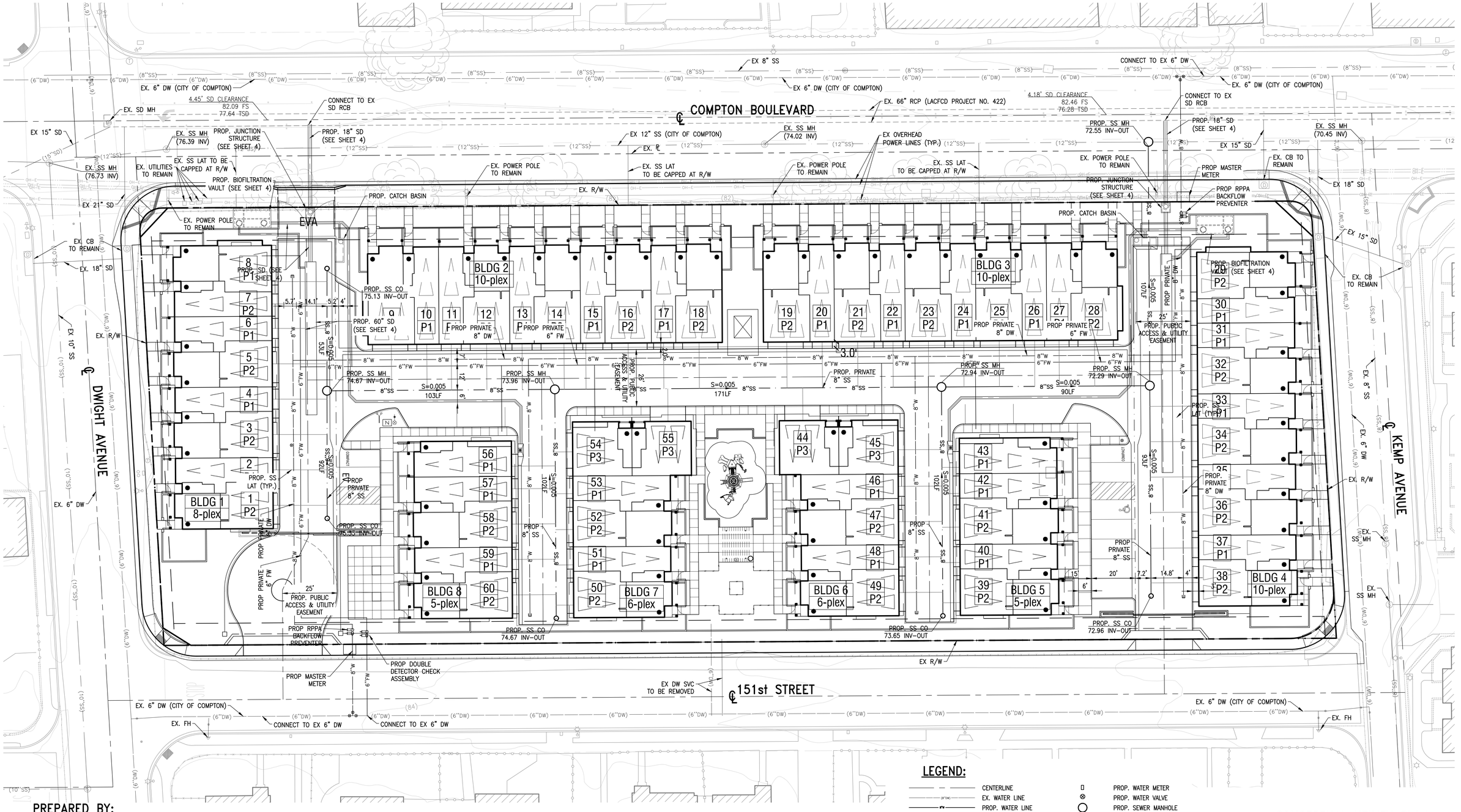
SCALE: 1" = 20'

0 10 20 40

CONCEPTUAL GRADING PLAN
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 4 of 5

PROJ: CVEN-1125
DWG: P:\CVEN-1125\dwg\Sheets\TM\TM-PD-04-GRAD.dwg BY: sptetter Apr 25, 2022 - 6:57:07am

CITY OF COMPTON
CONCEPTUAL UTILITY PLAN



LEGEND:

- CENTERLINE
- EX. WATER LINE
- PROP. WATER LINE
- EX. SEWER LINE
- PROP. SEWER LINE
- EX. FENCE
- PROP. WALL
- EX. CONTOUR LINE
- PROP. WATER METER
- PROP. WATER VALVE
- PROP. SEWER MANHOLE
- PROP. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- EX. SEWER MANHOLE
- EX. FIRE HYDRANT

SCALE: 1" = 20'

0 10 20 40

PREPARED BY:

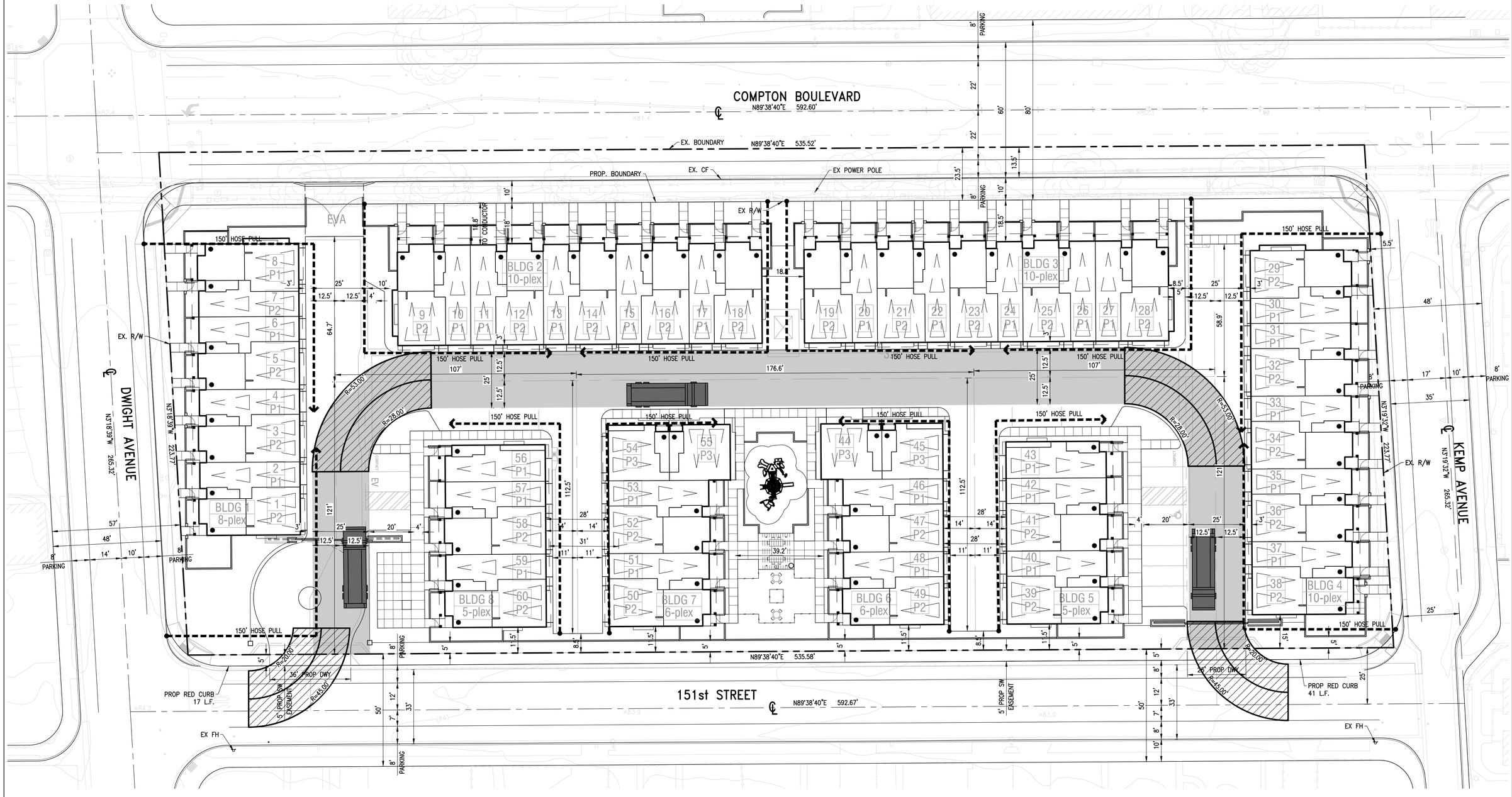
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

CONCEPTUAL UTILITY PLAN
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 5 of 5

DWG: P:\CVC\CVEN-125\dwg\Sheets\TM\TM-PO-05-UTL.dwg BY: tgleiter Apr 25, 2022 - 6:56:44am
PROJ: CVEN-125

CITY OF COMPTON
FIRE ACCESS PLAN
FOR TRACT NO. 82807



SCALE: 1" = 20'

0 10 20 40

PREPARED BY:

C&V CONSULTING, INC. CIVIL ENGINEERING LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630

T. 949.916.3800
F. 949.916.3805

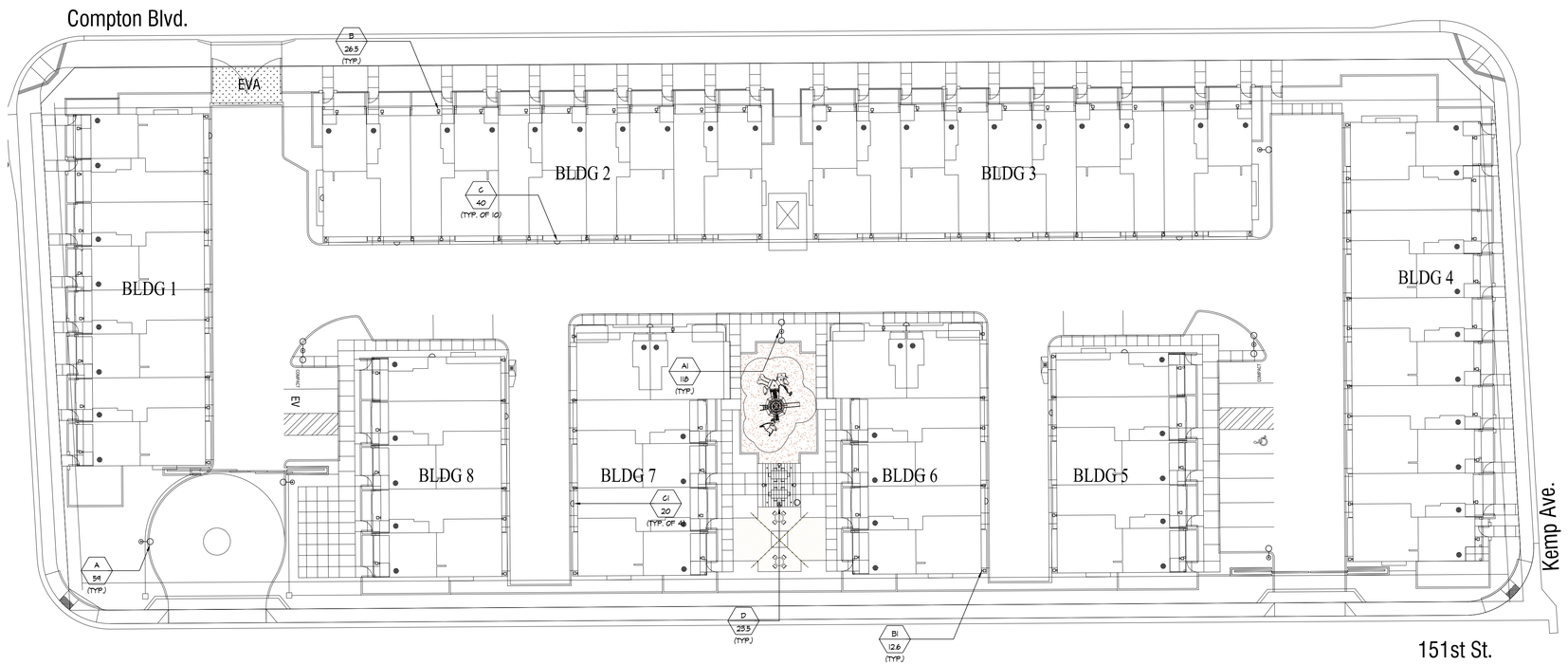
CVC-INC.NET

FIRE ACCESS PLAN
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 1 of 1

DWG: P:\CVCIN-125\dwg\Sheets\TTM\TTM-PD-06-FA.dwg BY: spfeiffer Apr 25, 2022 - 7:05:51am
PROJ: CVCIN-125

SITE LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	FIXTURE: LED	FIXTURE: FLUORESCENT	FIXTURE: HALOGEN	FIXTURE: HPS	FIXTURE: M. HALIDE	VOLTS	NUMBER	LAMPS: WATTS AND TYPE	MOUNTING: PENDANT	MOUNTING: CEILING	MOUNTING: RECESSED	MOUNTING: WALL	DESCRIPTIONS AND VARIATIONS
⊕○	A	X					120	1	LED 59 WATT					LED POLE LIGHT MOUNTED AT +16'-0" A.F.G. PROVIDE HOUSE-SIDE SHIELDING. US ARCHITECTURAL LIGHTING #DSAP20-VLED-III-48LED-NW-120-HS-VLED OR APPROVED EQUIVALENT SELECTED BY OWNER / ARCHITECT.
○⊕○	A1	X					120	1	LED 118 WATT					SAME AS FIXTURE TYPE "A" BUT DUAL HEAD.
⊢□	B			X			120	-	LED 26.5 WATT				X	EXTERIOR LIVING UNIT ENTRY LED WALL SCONCE. LISTED FOR WET LOCATION. MODERN FORMS #WS-W1420-30KBK. FINISH SELECTED BY OWNER / ARCHITECT.
⊢□	B1			X			120	-	LED 12.6 WATT				X	BUILDING EXTERIOR GARAGES LED WALL SCONCE. LISTED FOR WET LOCATION. MODERN FORMS #WS-W1408-30BK. FINISH SELECTED BY OWNER / ARCHITECT.
◠	C			X			120	-	LED 40 WATT				X	BUILDING EXTERIOR WALL PACK (MAIN DRIVEWAY). LISTED FOR WET LOCATION. LITHONIA LIGHTING #XEGO-LED-P3-SR3-MVOLT. FINISH SELECTED BY OWNER / ARCHITECT.
◠	C1			X			120	-	LED 20 WATT				X	BUILDING EXTERIOR WALL PACK (ALLEYS). LISTED FOR WET LOCATION. LITHONIA LIGHTING #XEGO-LED-P1-SR3-MVOLT. FINISH SELECTED BY OWNER / ARCHITECT.
⊢○	D			X			120	-	LED 23.5 WATT				X	WALL MOUNTED UP AND DOWN LIGHT. LISTED FOR WET LOCATION. FX LUMINAIRE NL-4LED-UD. FINISH SELECTED BY OWNER / ARCHITECT.



SOUTHWEST GROUP
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Electrical HVAC Plumbing Energy
Tel (949) 387 – 8989
Fax (949) 387 – 3993
www.swgengineering.com
9201 Research Dr.
Irvine, California 92618
CHK. BY: R.L. SWG No. CIT211314

REGISTERED PROFESSIONAL ENGINEER
ROY M. LEE
E14840
EXP. 06/30/23
ELECTRICAL
STATE OF CALIFORNIA

COMPTON - CONCORD SITE
930 W. COMPTON BLVD
COMPTON, CA

CITY VENTURES
3121 MICHELSON DRIVE, SUITE 150, IRVINE, CA 92612

TRACT NO. #

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DO NOT SCALE PLANS

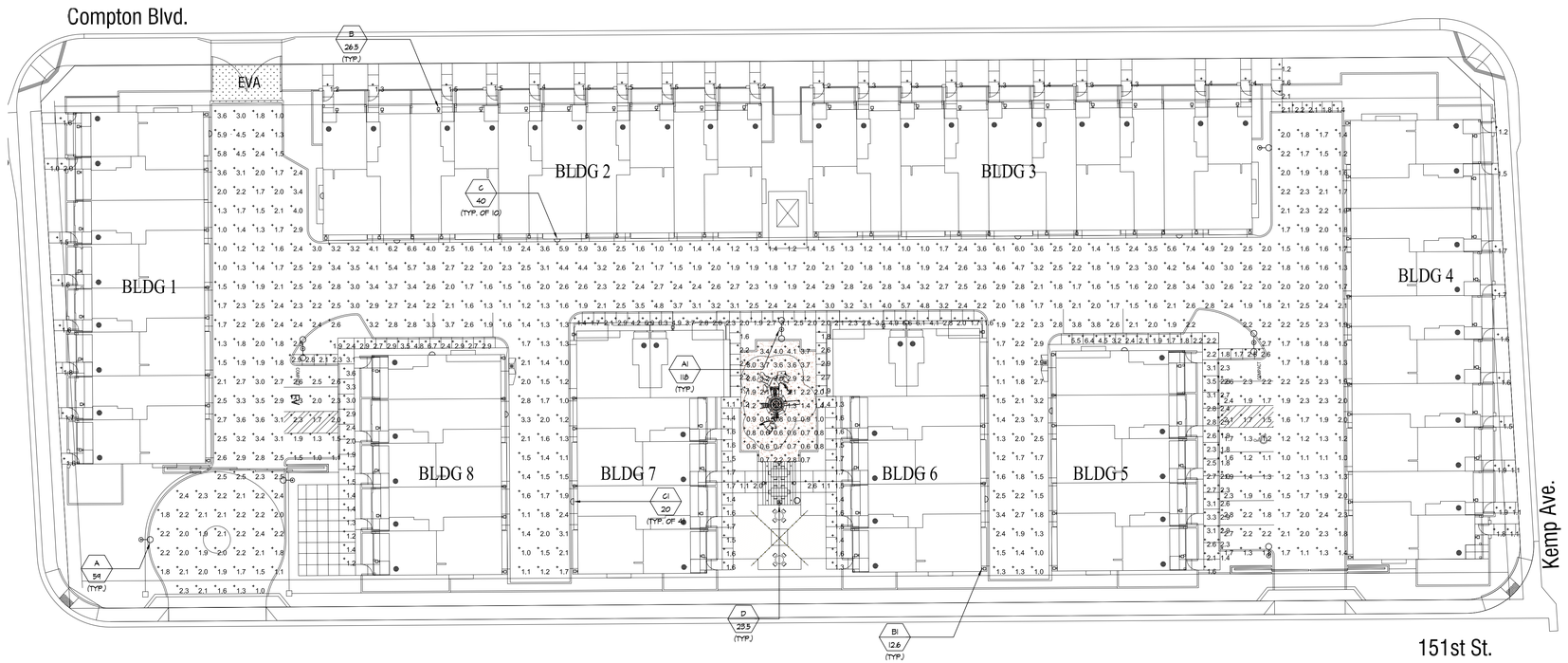
REVISIONS

ELECTRICAL SITE PLAN

SHEET SCALE:	NONE
PROJECT MANAGER:	
DESIGNER:	
DRAWN BY:	LH
REVIEWED BY:	RML
1ST BLDG. DEPT. SUBMITTAL:	
ISSUED FOR CONSTRUCTION:	
JOB NUMBER:	CIT 211314

DATE:	SHEET:
04/25/22	ES1

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Unit Walkway #1 (East)	+	1.2 fc	1.2 fc	1.2 fc	1.0:1	1.0:1
Unit Walkway #1 (North)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #1 (West)	+	1.6 fc	1.6 fc	1.6 fc	1.0:1	1.0:1
Unit Walkway #2 (East)	+	1.7 fc	1.7 fc	1.7 fc	1.0:1	1.0:1
Unit Walkway #2 (North)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #3 (East)	+	1.6 fc	1.6 fc	1.6 fc	1.0:1	1.0:1
Unit Walkway #3 (North)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #4 (East)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #4 (North)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #5 (East)	+	1.7 fc	1.7 fc	1.7 fc	1.0:1	1.0:1
Unit Walkway #5 (North)	+	1.4 fc	1.4 fc	1.4 fc	1.0:1	1.0:1
Unit Walkway #6 (East)	+	1.6 fc	1.6 fc	1.6 fc	1.0:1	1.0:1
Unit Walkway #6 (North)	+	1.2 fc	1.2 fc	1.2 fc	1.0:1	1.0:1
Unit Walkway #7 (East)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #7 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #8 (East)	+	1.5 fc	1.9 fc	1.1 fc	1.7:1	1.4:1
Unit Walkway #8 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #9 (East)	+	1.5 fc	1.9 fc	1.1 fc	1.7:1	1.4:1
Unit Walkway #9 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #10 (East)	+	1.4 fc	1.8 fc	1.1 fc	1.6:1	1.3:1
Unit Walkway #10 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #11 (North)	+	1.4 fc	1.4 fc	1.4 fc	1.0:1	1.0:1
Unit Walkway #12 (North)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #13 (North)	+	1.2 fc	1.2 fc	1.2 fc	1.0:1	1.0:1
Unit Walkway #14 (North)	+	1.4 fc	1.4 fc	1.4 fc	1.0:1	1.0:1
Unit Walkway #15 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #16 (North)	+	1.4 fc	1.4 fc	1.4 fc	1.0:1	1.0:1
Unit Walkway #17 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #18 (North)	+	1.2 fc	1.2 fc	1.2 fc	1.0:1	1.0:1
Unit Walkway #19 (North)	+	1.3 fc	1.3 fc	1.3 fc	1.0:1	1.0:1
Unit Walkway #20 (North)	+	1.4 fc	1.4 fc	1.4 fc	1.0:1	1.0:1
Driveway	+	2.2 fc	7.4 fc	1.0 fc	7.4:1	2.2:1
Playground	+	1.8 fc	4.1 fc	0.6 fc	6.8:1	3.0:1
Unit Walkway #2 (West)	+	1.5 fc	2.0 fc	1.0 fc	2.0:1	1.5:1
Unit Walkway #3 (West)	+	1.5 fc	1.5 fc	1.5 fc	1.0:1	1.0:1
Unit Walkway #4 (West)	+	1.6 fc	1.6 fc	1.6 fc	1.0:1	1.0:1
Unit Walkway #5 (West)	+	1.6 fc	1.6 fc	1.6 fc	1.0:1	1.0:1
Unit Walkway #6 (West)	+	1.8 fc	1.8 fc	1.8 fc	1.0:1	1.0:1
Unit Walkway #7 (West)	+	1.7 fc	1.7 fc	1.7 fc	1.0:1	1.0:1
Unit Walkway #8 (West)	+	1.6 fc	1.6 fc	1.6 fc	1.0:1	1.0:1
Walkway #1	+	2.5 fc	6.7 fc	1.2 fc	5.6:1	2.1:1
Walkway #2	+	2.3 fc	6.6 fc	1.1 fc	6.0:1	2.1:1
Walkway #3	+	2.6 fc	6.4 fc	1.4 fc	4.6:1	1.9:1
Walkway #4	+	1.8 fc	2.2 fc	1.2 fc	1.8:1	1.5:1



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Irvine, California 92618
CHK. BY: R.L. SWG No. CIT211314

REGISTERED PROFESSIONAL ENGINEER
ROY M. LEE
E14840
EXP. 06/30/23
ELECTRICAL
STATE OF CALIFORNIA

COMPTON - CONCORD SITE

930 W. COMPTON BLVD
COMPTON, CA

TRACT NO. #

CITY VENTURES
3121 MICHELSON DRIVE, SUITE 150, IRVINE, CA 92612

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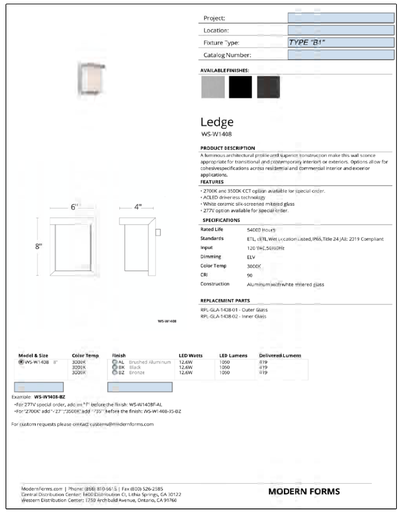
DO NOT SCALE PLANS

REVISIONS

PHOTOMETRIC SITE PLAN

SHEET SCALE:	NONE
PROJECT MANAGER:	
DESIGNER:	
DRAWN BY:	LH
REVIEWED BY:	RML
1ST BLDG. DEPT. SUBMITTAL:	
ISSUED FOR CONSTRUCTION:	
JOB NUMBER:	CIT 211314

DATE:	SHEET:
04/25/22	ES2



Project:
Location:
Fixture Type: TYPE "S1"
Catalog Number:

AVAILABLE FINISHES:

Ledge

WS-W1408

PRODUCT DESCRIPTION
A luminous architectural profile and superior construction make this wall sconce appropriate for transitional and contemporary interiors or exteriors. Options allow for shade/lens specifications across residential and commercial interior and exterior applications.

FEATURES
- 2700K and 3500K CCT option available for special order.
- ASLED dimmerless technology
- White ceramic silk-screened milked glass
- 277V option available for special order.

SPECIFICATIONS

Rated Life	54000 Hours
Standards	ETL, cETL Wet Location Listed, IP66, Title 24 JA8: 2019 Compliant
Input	120 VAC, 50/60Hz
Dimming	ELV
Color Temp	3000K
CRI	90
Construction	Aluminum with white inlayed glass

REPLACEMENT PARTS
RPL-GLA-1408-01 - Outer Glass
RPL-GLA-1408-02 - Inner Glass

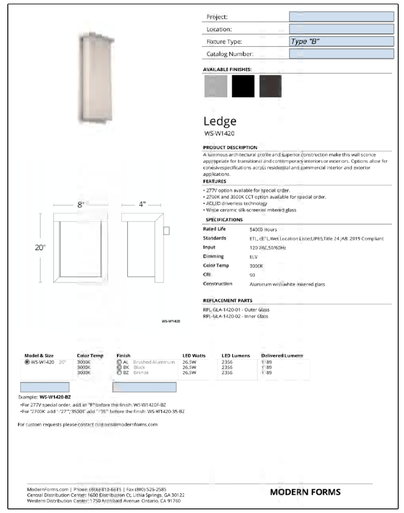
Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
WS-W1408 8"	3000K	AL Brushed Aluminum	12.6W	1050	819
	3500K	BK Black	12.6W	1050	819
	3000K	BZ Bronze	12.6W	1050	819

Example: WS-W1408-BZ
•For 277V special order, add an "F" before the finish: WS-W1408F-AL
•For 2700K add "-27" (3500K add "-35") before the finish: WS-W1408-27-BZ

For custom requests please contact custom@modernforms.com

ModernForms.com | Phone: (866) 810-9616 | Fax (800) 526-2585
Central Distribution Center: 1600 Distribution Ct, Lithia Springs, GA 30122
Western Distribution Center: 1750 Archibald Avenue, Ontario, CA 91760

MODERN FORMS



Project:
Location:
Fixture Type: Type "S"
Catalog Number:

AVAILABLE FINISHES:

Ledge

WS-W1420

PRODUCT DESCRIPTION
A luminous architectural profile and superior construction make this wall sconce appropriate for transitional and contemporary interiors or exteriors. Options allow for shade/lens specifications across residential and commercial interior and exterior applications.

FEATURES
- 2700K and 3500K CCT option available for special order.
- 277V option available for special order.
- ASLED dimmerless technology
- White ceramic silk-screened milked glass

SPECIFICATIONS

Rated Life	54000 Hours
Standards	ETL, cETL Wet Location Listed, IP65, Title 24 JA8: 2019 Compliant
Input	120 VAC, 50/60Hz
Dimming	ELV
Color Temp	3000K
CRI	90
Construction	Aluminum with white inlayed glass

REPLACEMENT PARTS
RPL-GLA-1420-01 - Outer Glass
RPL-GLA-1420-02 - Inner Glass

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
WS-W1420 20"	3000K	AL Brushed Aluminum	26.5W	2350	1881
	3500K	BK Black	26.5W	2350	1881
	3000K	BZ Bronze	26.5W	2350	1881

Example: WS-W1420-BZ
•For 277V special order, add an "F" before the finish: WS-W1420F-BZ
•For 2700K add "-27" (3500K add "-35") before the finish: WS-W1420-35-BZ

For custom requests please contact cs@modernforms.com

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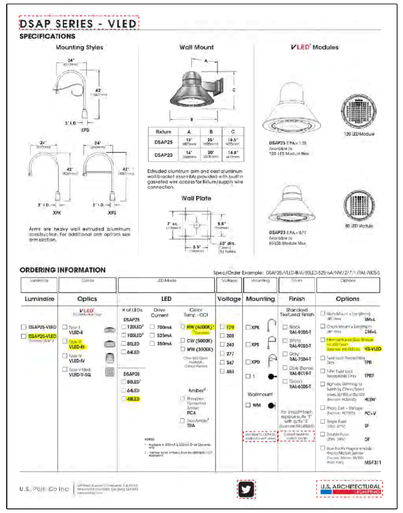
Western Distribution Center: 1750 Archibald Avenue, Ontario, CA 91760

MODERN FORMS



DSAP SERIES - VLED

SPECIFICATIONS

Mounting Styles

Wall Mount

VLED Modules

Wall Plate

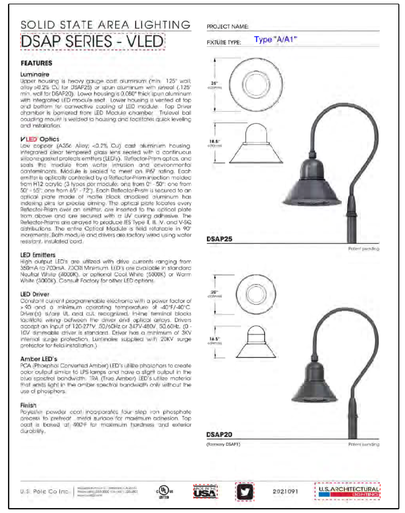
ORDERING INFORMATION

Specs Order Example: DSAP25-VLED-8-W-830-SQS-WA-NW/277-DIM-90SV

Luminaire	Optics	LED	Voltage	Mounting	Finish	Options
DSAP25-VLED	VLED Illuminated Edge	# of LEDs / Drive Current / Color Temp - CCT	120/277	PC	Black RAL9005	Photocell + Dimming (#7 Wire) DIM-PC
DSAP25-VLED-HO	Type A VLED-A	DSAP25	120/277	PM	Grey RAL7024	Occupancy Sensor (#7 Wire) DIM-OS
	Type V VLED-V	8 LED	700mA	SQS	White RAL9003	Occupancy Sensor Wireless (Includes Remote) DIM-WLSD
	Type U VLED-U	8 LED	525mA		Grey RAL7035	Wall Switch Passive (Requires Neutral) TPR
	Type V VLED-V-DG	8 LED	350mA		Dark Bronze RAL6019	3W Hardwire Transmitter Only TPRT
	Type U VLED-U-DG	DSAP25	CW (5000K) Standard		Bronze RAL6006	Remote Dimming (1 Switch/Zone) Passive (Requires Neutral) RDM
		16 LED	WW (3000K)		Dark Bronze RAL6019	Remote Dimming (1 Switch/Zone) Passive (Requires Neutral) RDM-V
		24 LED			Black RAL9005	Photo Cell + Timer Passive (Requires Neutral) PCT
		32 LED	Amber* Provides Correlated Color Temp (CCT)	Wallmount	White RAL9003	Photo Cell + Timer Passive (Requires Neutral) PCT-V
		40 LED	Tuya Analog* TUA		Grey RAL7024	Single Fuse (SELECT) SF
					Dark Bronze RAL6019	Double Fuse (SELECT) DF
					Black RAL9005	Dual Emergency Module Pre-Set Non-Adjustable (Factory Set to 90%) NSF3/1

U.S. Pole Co. Inc.

U.S. ARCHITECTURAL



SOLID STATE AREA LIGHTING

DSAP SERIES - VLED

PROJECT NAME:
FIXTURE TYPE: Type "A/A1"

FEATURES

Luminaire
Upper housing is heavy gauge cast aluminum (min. 125" wall alloy a413 (3% Cu for 25#/25) or spun aluminum with uniform (.125 min. wall for DSAP20). Lower housing is 0.080" thick spun aluminum with integrated LED module shelf. Lower housing is vented at top and bottom for convective cooling of LED module. Top Driver chamber is formed from LED Module chamber. Trunnion ball cradling mount is welded to housing and facilitates quick leveling and installation.

VLED Optics
Low engine (AL5X Alloy; <3.2% Cu) cast aluminum housing integrated clear tempered glass lens sealed with a continuous silicone-injected protects emitters (LEDs). Reflector-Prism optics and seals this module from water intrusion and environmental contaminants. Module is sealed to meet an IP67 rating. Each emitter is optically controlled by a Reflector-Prism injection molded from H-12 acrylic. Optics are modular, less than 0° - 50° one from 50° - 107°, one from 81° - 72°). Each Reflector-Prism is secured to an optical plate with a UV curing adhesive. Each Reflector-Prism is indexing pins for precise aiming. This optical plate houses every Reflector-Prism over an emitter, one inserted to the optical plate form above and are secured with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, V, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord.

LED Emitters
High output LED's are utilized with drive currents ranging from 350mA to 700mA. (CCB Minimum LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED Driver
Constant current programmable electronics with a power factor of >.95 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. Inner terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V .50/60Hz or 347V-480V .50/60Hz. 0-10V dimmable driver is standard. Driver has a minimum of 3kV internal surge protection. Luminaire supplied with 20kV surge protector for field installation.)

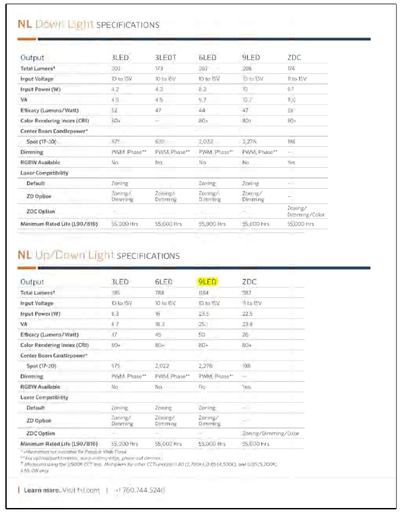
Amber LED's
TCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the yellow/amber (depth: 194, Dmp Amber). LED's utilize multi-chip that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish
Polyester powder coat inappropriate, four step iron phosphate process to prepare metal surfaces for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

DSAP25

DSAP20
(Formerly DSAP21)

U.S. Pole Co. Inc.



NL Down Light SPECIFICATIONS

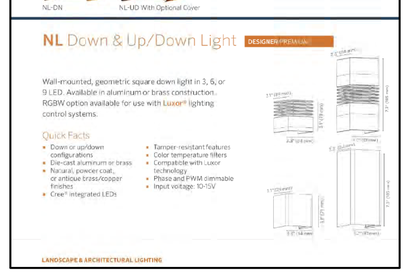
Output	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens*	280	193	560	288	106
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	9 to 15V
Input Power (W)	4.2	4.3	8.2	13	9.7
VA	4.5	4.5	9.7	12.7	11.0
Efficacy (Lumens/Watt)	52	47	48	47	38
Color Rendering Index (CRI)	80+	--	80+	80+	90+
Center Beam Candlepower*					
Spot (7°-10°)	975	630	2,032	3,275	968
Dimming	PWM Phase**	PWM Phase**	PWM Phase**	PWM Phase**	--
RGBW Available	No	No	No	No	Yes
Luxor Compatibility					
Default	Zoning		Zoning	Zoning	--
ZD Option	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	--
ZDC Option					Zoning/Dimming/Color
Minimum Rated Life (L90/B10)	55,200 Hrs	55,000 Hrs	55,900 Hrs	55,000 Hrs	55,000 Hrs

NL Up/Down Light SPECIFICATIONS

Output	3LED	6LED	9LED	ZDC
Total Lumens*	185	368	554	193
Input Voltage	10 to 15V	10 to 15V	10 to 15V	9 to 15V
Input Power (W)	3.3	16	23.5	22.5
VA	3.7	16.3	25.1	23.9
Efficacy (Lumens/Watt)	47	45	50	26
Color Rendering Index (CRI)	90+	80+	80+	80+
Center Beam Candlepower*				
Spot (7°-20°)	975	2,022	2,276	198
Dimming	PWM Phase**	PWM Phase**	PWM Phase**	--
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	Zoning	--
ZD Option	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	--
ZDC Option				Zoning/Dimming/Color
Minimum Rated Life (L90/B10)	55,200 Hrs	55,000 Hrs	53,000 Hrs	55,000 Hrs

*=Nominal not available for Passive Walk Time
**For optimized performance, avoid overlapping phase-cut dimmers.
† Measured using the 3,500K CCT line. Multipliers for other CCTs are: 0.80 (2,700K), 0.93 (3,500K), and 0.85 (5,200K).
LPA: DR only

Learn more. Visit fnl.com | +1 760.744.5240



FXLuminaire

LED Down & Up/Down Lights

PROJECT
CATALOG #
TYPE Type "D"
NOTES

NL-UD
NL-UD With Optional Cover
NL-DN
NL-UD With Optional Cover

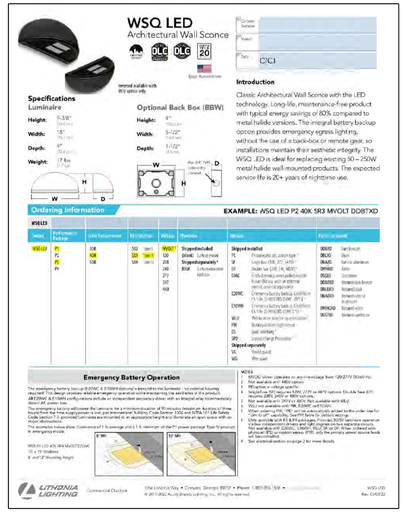
NL Down & Up/Down Light

DESIGNER SERIES

Wall-mounted, geometric square down light in 3, 6, or 9 LED. Available in aluminum or brass construction. RGBW option available for use with Luxor® lighting control systems.

Quick Facts
- Down or up/down configurations
- Die-cast aluminum or brass
- Natural, powder coat, or antique brass/copper finishes
- Cree® integrated LEDs
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor technology
- Phase and PWM dimmable
- Input voltage: 10-15V

LANDSCAPE & ARCHITECTURAL LIGHTING



WSQ LED

Architectural Wall Sconce

Easy Assembly

Introduction
Classic Architectural Wall Sconce with the LED technology. Long-life, maintenance-free product with typical energy savings of 80% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity. The WSQ LED is ideal for replacing existing 50 – 250W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Specifications
Luminaire
Height: 9-3/8" (238mm)
Width: 8" (203mm)
Depth: 6" (152mm)
Weight: 7 lbs (3.2kg)

Optional Back Box (BBW)
Height: 6" (152mm)
Width: 5-1/2" (140mm)
Depth: 1-1/2" (37mm)

Ordering Information
EXAMPLE: WSQ LED P2 40K SR3 MVOLT DDBTXD

WSQ LED	Performance Option	Color Temperature	Electrical Option	Wattage	Mounting	Options	Finish (required)
WSQ LED	P1	30K	347 (ex.)	10W (ex.)	Shipped included	Shipped installed	DDBXD Dark Bronze
	P2	40K	480 (ex.)	15W (ex.)	SRA Surface mount adapter	PE Photocontrol, all cutoff type 1	DBLXD Black
	P3	50K		20W (ex.)	Shipped separately*	Under bar (UB, 2", 4", 6")	BNAXD Bronze
				30W (ex.)	SRB Architectural wall mount adapter	Under bar (UB, 2", 4", 6")	DWHXD Textured White
						Emergency battery backup (CSAXD) (120, 277, 347V)	SSXD Sandstone
						Emergency battery backup (CSAXD) (120, 277, 347V)	BNTXD Textured Bronze
						Motion sensor (see for specifications)	DBLBXD Textured Black
						Shipped separately	AWHXD Textured Architectural White
						Finish (paint)	DNAXD Textured Natural Aluminum
						Rain cap	

Emergency Battery Operation

NOTES
1. MVOLT driver operates in any input voltage from 120-277V (50/60 Hz).
2. Not available with 480V option.
3. Not available with P3 and 50K.
4. Weight for 347 requires 120V, 277V or MVOLT options. DLC4 Type 3 V1 requires 208V, 240V or 480V options.
5. Not available with SRA. Must be ordered with WSQ.
6. Not available with "PE, 3 CSAXD" or "SRB".
7. When ordering PE, "PE" will be added to WSQ as last to the order. See for PE Photocontrol Options. Ex: WSQ LED P2 40K SR3 MVOLT PE.
8. Only available in P2 & P3 wattages. Provides 50/50 emergency operation (requires independent drivers and light engines on two separate circuits. Ex: WSQ LED P2 40K SR3 MVOLT DDBTXD 2@50. Specify 2@50 for 50% operation or 2@75 for 75% operation. Specify 2@100 for 100% operation. Specify 2@100 for 100% operation. Specify 2@100 for 100% operation.
9. See electrical section on page 2 for more details.

LITHONIA LIGHTING

SOUTHWEST GROUP
ENGINEERING CONSULTANTS, INC.
Electrical HVAC Plumbing Energy
Tel (949) 387 – 8989
Fax (949) 387 – 3993
www.swgengineering.com
9201 Research Dr.
Irvine, California 92618
CHK. BY: R.L. SWG No. CIT211314

REGISTERED PROFESSIONAL ENGINEER
ROY M. LEE
E14840
EXP. 06/30/23
ELECTRICAL
STATE OF CALIFORNIA

COMPTON - CONCORD SITE
930 W. COMPTON BLVD
COMPTON, CA

CITY VENTURES
3121 MICHELSON DRIVE, SUITE 150, IRVINE, CA 92612

TRACT NO. #

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DO NOT SCALE PLANS

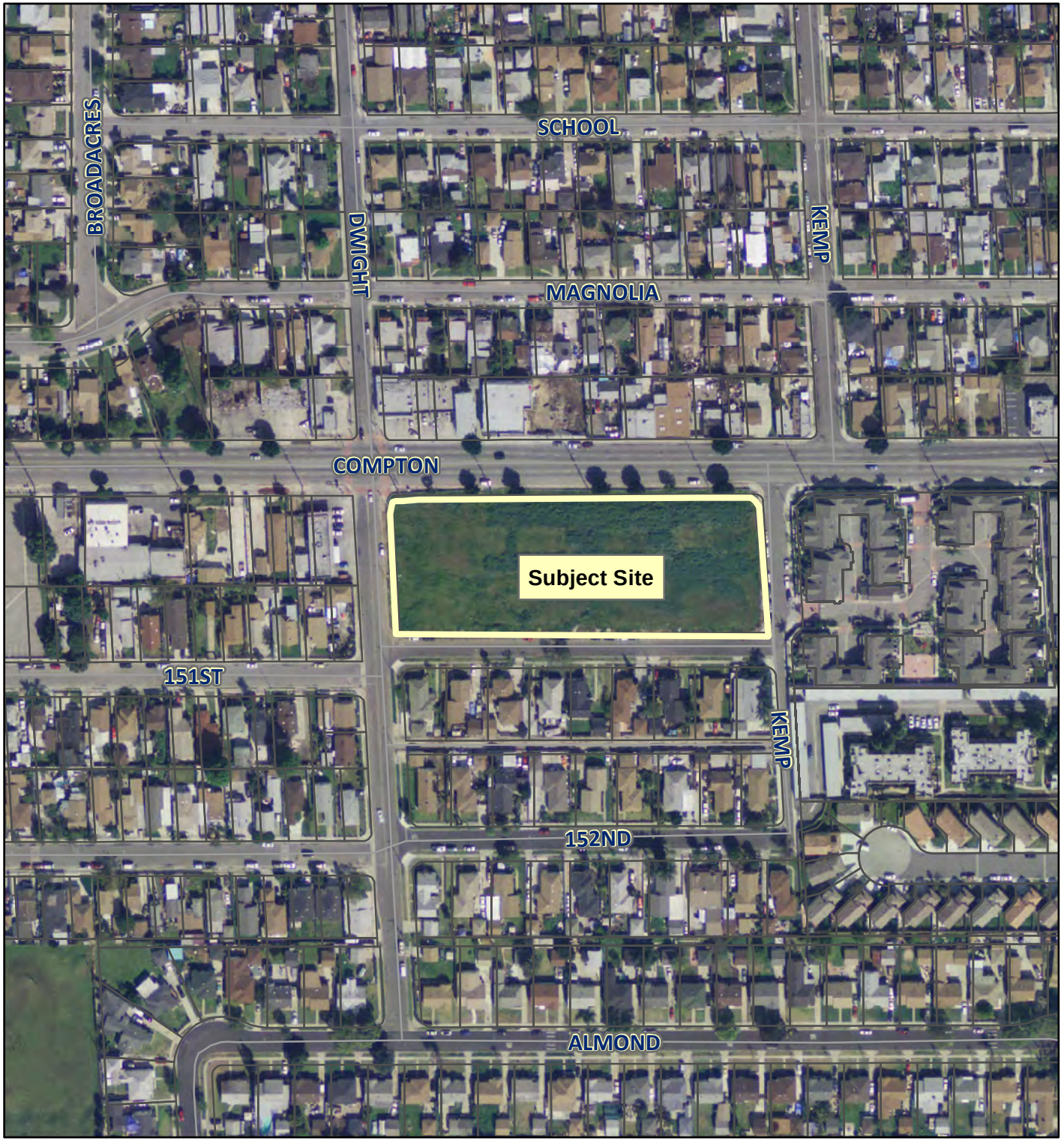
REVISIONS

LIGHTING FIXTURE CUTSHEETS

SHEET SCALE:	NONE
PROJECT MANAGER:	
DESIGNER:	
DRAWN BY:	LH
REVIEWED BY:	RML
1ST BLDG. DEPT. SUBMITTAL:	
ISSUED FOR CONSTRUCTION:	
JOB NUMBER:	CIT 211314

DATE: 04/25/22

SHEET: ES3



CITY OF COMPTON

AERIAL MAP

General Plan Amendment Case No. 2021-001
Change of Zone Case No. 2021-003
Conditional Use Permit Case No. 2021-008
Tentative Tract Map No. 82807 2021-001
Mitigated Negative Declaration No. 950
930 W. Compton Blvd.
APN: 6161-001-902

Legend

City Limits

parcels

N

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CITY OF COMPTON

GENERAL PLAN MAP

General Plan Amendment Case No. 2021-001
Change of Zone Case No. 2021-003
Conditional Use Permit Case No. 2021-008
Tentative Tract Map No. 82807 2021-001
Mitigated Negative Declaration No. 950
930 W. Compton Blvd.
APN: 6161-001-902

Legend

- City Limits
- parcels
- Low Density Residential <8.0 du/ac
- Medium Density Residential 8.1-17.0 du/ac
- High Density Residential 17.1-34.0 du/ac
- General Commercial
- Mixed Use
- Industrial
- Open Space/Parks
- Public/Quasi-Public
- Transportation

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CITY OF COMPTON

ZONING MAP

General Plan Amendment Case No. 2021-001
Change of Zone Case No. 2021-003
Conditional Use Permit Case No. 2021-008
Tentative Tract Map No. 82807 2021-001
Mitigated Negative Declaration No. 950
930 W. Compton Blvd.
APN: 6161-001-902

Legend

- City Limits
- parcels
- RA - Residential Agriculture
- RL - Low Density Residential
- RM - Medium Density Residential
- RH - High Density Residential
- P - Parking
- PRL - Parking/Low Density Residential
- PRM - Parking/Medium Density Residential
- PRH - Parking/High Density Residential
- CL - Limited Commercial
- CM - Commercial Manufacturing
- ML - Limited Manufacturing
- MH - Heavy Manufacturing
- B - Buffer
- LAC - Los Angeles County
- UNZONED

N

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February 26, 2021

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING CONSULTANTS

Ms. Kim Prijatel
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Subject: **Traffic & Parking Analysis: Compton & Kemp Residential Project – Supplemental Traffic Analysis**

Dear Ms. Prijatel,

TJW ENGINEERING, INC. (TJW) is pleased to submit this supplemental traffic analysis for the proposed Compton & Kemp residential project in the City of Compton. The project site is bound by Compton Boulevard to the north, Kemp Avenue to the east, W 151st Street to the south and Dwight Avenue to the west. A Traffic Impact Analysis was completed for the project in September 2019. Since then, the proposed project has been modified from 24 single-family dwelling units to 60 multi-family dwelling units. This supplemental traffic analysis is to provide an overview of the modifications to the proposed project. The project is anticipated to be built and generating trips in 2022. Site access is planned at two driveways on W 151st Street. The Project's site plan is shown in **Exhibit 1**.

All methodologies outlined in the September 2019 study are followed and utilized in this memorandum, including trip distribution. The 2019 peak turning movement volumes were used in this report and a 2% annual growth was applied to the 2019 data to establish the project baseline year for 2021.

Trip Generation Analysis

Table 1 shows the revised trip generation of the proposed project. Dwight Avenue at Compton Boulevard was the study intersection previously analyzed for its level of service which include the following study scenarios; project baseline year, opening year without project, and opening year with project. The proposed project's anticipated trip generation has increased by 212 daily trips 10 AM peak hour trips and 10 PM peak hour trips from the September 2019 study.

Table 1: Trip Generation

Proposed Land Use[1]	Quantity	Unit[2]	Daily Trips (ADTs)		AM Peak Hour			PM Peak Hour		
			Rate	Volume	Volume			Volume		
					In	Out	Total	In	Out	Total
Multifamily Housing (Low-Rise) (220)	60.0	DU	7.32	439	6	20	28	21	12	34

1: Rates from ITE Trip Generation (10th Edition, 2017).
2: DU = Dwelling Units

Traffic Analysis – Level of Service (LOS)

Traffic volumes consist of (2019) traffic counts plus application of an annual ambient growth rate to establish the project baseline year, which in this case is (2021). The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to the (2019) traffic counts to account for ambient traffic growth.

Project baseline year traffic volumes (2021) = ((2019) traffic counts * 1.02^2)

Project opening year traffic volume conditions include another 2.0 percent growth rate projected trips associated with ambient growth and any nearby cumulative projects, consistent with the September 2019 traffic impact analysis.

Project opening year traffic volumes (2022) = (project baseline year traffic volumes (2021* 1.02)

The intersection analysis AM and PM peak hour results are shown in ***Table 2***. ICU analysis sheets are attached to the Appendix for reference.

Table 2: Intersection Analysis

Int	N/S	E/W	Control Type	Peak Hour	Target LOS	Project BaselineYear (2021)		Opening Year Without Project (2022)		Opening Year With Projet (2022)		Change	Impact?
						ICU/Delay[1]	LOS	ICU/Delay[1]	LOS	ICU/Delay[1]	LOS		
1	Dwight	Compton	Signal	AM	E	0.420	A	0.426	A	0.432	A	0.006	No
				PM		0.425	A	0.432	A	0.434	A	0.002	No

Note: ICU = Intersection Capacity Utilization. Delay shown in seconds for worst performing stop-controlled movement at driveways

As shown in ***Table 2***, the intersection is currently operating at an acceptable level of service for both AM and PM peak hours. The intersection is projected to continue to operate at an acceptable level of service during the AM and PM peak hours for project opening year (2022) without and with project conditions. Based on the City of Compton's threshold of significance, the opening year with project (2022) conditions is not projected to have a significant impact at the study intersection.

Parking Analysis

The proposed project has been changed from 24 single-family dwelling units to 60 multi-family dwelling units. *Table 30.-21.A Parking Space Requirements* in the City of Compton Zoning Code contains minimum parking requirements for various land uses in the City.

Condominiums and townhouses are required to provide two enclosed spaces per dwelling unit plus one guest space for every four units. The proposed project would be required to provide 120 enclosed parking spaces and 15 guest spaces. A total of 135 parking spaces are being proposed for the 60 multifamily dwelling units, meeting city parking code requirements.

As reported in the September 2019 study providing access to the proposed project will result in a loss of 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue due to the construction of two driveways with 6-feet of red curb on both sides of the driveways.

TJW collected on-street parking counts on the streets surrounding the project site in the afternoon and evening on Wednesday June 19th, 2019 from 4:00 PM to 12:00 AM to assess the existing parking inventory and occupancy. Evening hours were chosen since the overnight period is the peak period of parking demand for the residential uses adjacent to the site. Since the on-street parking supply is not striped, the inventory of each block face was projected based on observations in the field. And measurements of curb space.

The parking areas assessed were the south side of Compton Boulevard between Dwight Avenue and Kemp Avenue, both sides of Dwight Avenue between Compton Boulevard and 151St Street, both sides of 151st Street between Dwight Avenue and Kemp Avenue, and both sides Kemp Avenue between Compton Boulevard and 151st Street. A total of 94 on-street parking spaces were observed with a maximum demand of 61 vehicles (65 percent occupancy).

Although the project is expanding the number of dwelling units, the project will provide adequate parking per city parking code requirement. In addition, based on the parking data collection from the September 2019 report, there is adequate on-street parking availability nearby to accommodate any displacement from the loss of 6-8 on-street parking spaces on 151st Street.

VMT Analysis

Senate Bill (SB) 743 was adopted in 2013 requiring the Governor's Office of Planning and Research (OPR) to identify new metrics for identifying and mitigating transportation impacts within the California Environmental Quality Act (CEQA). For land use projects, OPR has identified Vehicle Miles Traveled (VMT) as the new metric for transportation analysis under CEQA. The regulatory changes to the CEQA guidelines that implement SB 743 were approved on December 28th, 2018 with an implementation date of July 1st, 2020 as the new metric.

Coordination with City staff has identified the use of OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA (2018)*. OPR's Technical Advisory document outlines the screening criteria, threshold of significance, and requirements for VMT assessment of land use projects. Outlined in the Technical Advisory, the VMT threshold of significance has been identified as fifteen (15) percent below existing residential VMT per capita. In addition, the document outlines a variety of acceptable mitigation measures. This memorandum utilizes the *California Air Pollution Control Officers Association (CAPCOA) Qualifying Greenhouse Gas Mitigation Measures (2010)* for purposes of mitigation and VMT reduction.

The project is surrounded by residential uses and will complement the adjacent area. Outlined in the CAPCOA document, travel demand measures are provided which can reduce a project's VMT. Of particular note, LUT-01 references an increase in density and its impact to VMT; project's with increased densities reduces greenhouse gas emissions associated with traffic in several ways. Taking into consideration the proposed project's density and applying the LUT-01, the project's VMT can be reduced by 15.56% (**Table 3**, below). As the project's density can reduce the proposed project's VMT by 15.56% (greater than 15%), it is assumed the project will have a less than significant transportation impact.

Table 3: *Project VMT*

VMT Reductions	
LUT-1 (Increase Density)	15.56%

Source: CAPCOA QGGMM (2010)

If you have any questions regarding this letter or project, please feel free to contact us at (949) 878-3509.

Sincerely,

Thomas Wheat, PE, TE
Principal
TJW Engineering, Inc.

David Chew, PTP
Transportation Planner
TJW Engineering, Inc.

Daniel Flores, EIT
Project Engineer
TJW Engineering, Inc.

Exhibit 1: Proposed Project Site Plan

Not to Scale

Appendix – Level of Service Analysis Sheets

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.420

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Peak Hour Factor	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	0	5	6	0	15	3	204	0	4	282	5
Total Analysis Volume [veh/h]	3	0	22	23	0	58	12	815	1	18	1129	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.01	0.00	0.04	0.01	0.21	0.21	0.01	0.30	0.30
Intersection LOS	A											
Intersection V/C	0.420											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.425

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	0	4	2	0	5	7	319	1	3	152	9
Total Analysis Volume [veh/h]	1	0	15	8	0	19	30	1276	5	12	608	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.34	0.34	0.01	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.425											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.426

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	0	20	21	0	54	11	757	1	16	1048	19
Peak Hour Factor	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	0	5	6	0	15	3	208	0	4	288	5
Total Analysis Volume [veh/h]	3	0	22	23	0	59	12	832	1	18	1152	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.01	0.00	0.04	0.01	0.22	0.22	0.01	0.31	0.31
Intersection LOS	A											
Intersection V/C	0.426											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.432

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	0	15	8	0	18	30	1263	5	12	602	36
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	0	4	2	0	5	8	326	1	3	155	9
Total Analysis Volume [veh/h]	1	0	15	8	0	19	31	1302	5	12	621	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.34	0.34	0.01	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.432											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.432

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	8	0	4	0	0	0	0	0	0	0	2	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	11	0	24	21	0	54	11	757	1	16	1050	19
Peak Hour Factor	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	0	7	6	0	15	3	208	0	4	288	5
Total Analysis Volume [veh/h]	12	0	26	23	0	59	12	832	1	18	1154	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.02	0.01	0.00	0.04	0.01	0.22	0.22	0.01	0.31	0.31
Intersection LOS	A											
Intersection V/C	0.432											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.434

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	5	0	2	0	0	0	0	0	0	0	1	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	6	0	17	8	0	18	30	1263	5	12	603	36
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	0	4	2	0	5	8	326	1	3	155	9
Total Analysis Volume [veh/h]	6	0	18	8	0	19	31	1302	5	12	622	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.34	0.34	0.01	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.434											

Compton & Kemp Residential
Traffic Impact Analysis
City of Compton, California

Prepared for:
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92618

Prepared by:
TJW ENGINEERING, INC.
6 Venture, Suite 225
Irvine, CA 92618

September 24, 2019

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING CONSULTANTS

September 24, 2019

Ms. Kim Prijatel
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Subject: Traffic & Parking Analysis: Compton & Kemp Residential Project, City of Compton

Dear Ms. Prijatel:

TJW ENGINEERING, INC. (TJW) is pleased to present you with this revised traffic impact analysis for the proposed **Compton & Kemp Residential** project in the City of Compton.

This traffic study has been prepared to meet the traffic study requirements for the City of Compton and address comments provided on the draft report by City staff on August 8, 2019. This report is being submitted to you for review and forwarding to the City of Compton.

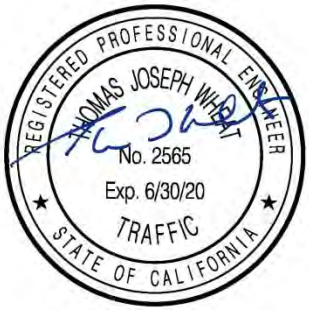
Please contact us at (949) 878-3509 if you have any questions regarding this analysis.

Sincerely,

Thomas Wheat, PE, TE
President

Jeff Weckstein
Transportation Planner

Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*



COMPTON & KEMP RESIDENTIAL PROJECT
TRAFFIC IMPACT ANALYSIS
City of Compton

Prepared for:

CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Prepared by:

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

6 Venture, Suite 225
Irvine, CA 92618
Thomas Wheat, PE, TE
Jeffrey Weckstein

September 24, 2019
JN: CVR-19-001

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1.0 EXECUTIVE SUMMARY

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site, located at 930 West Compton Boulevard, is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

The following signalized intersection in the vicinity of the project site has been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff.

- Dwight Avenue [runs north-south (NS)] at Compton Boulevard [runs east-west (EW)].

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

1.1 SUMMARY OF ANALYSIS RESULTS

No significant impacts are projected in the study area as a result of the proposed project, based on the City of Compton's thresholds of significance. Therefore, the proposed project should not be responsible for implementing any off-site improvements, except for improvements related to the project driveways.

The study intersection is projected to operate at an acceptable LOS (LOS D or better) for all analysis scenarios.

The proposed project will result in the loss of 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue based on California Manual on Uniform Traffic Control Devices (CA MUTCD) guidelines for urban driveways. There would still remain adequate on-street parking capacity on the streets adjacent to the proposed project site. The proposed project satisfies minimum off-street parking requirements.

2.0 INTRODUCTION

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

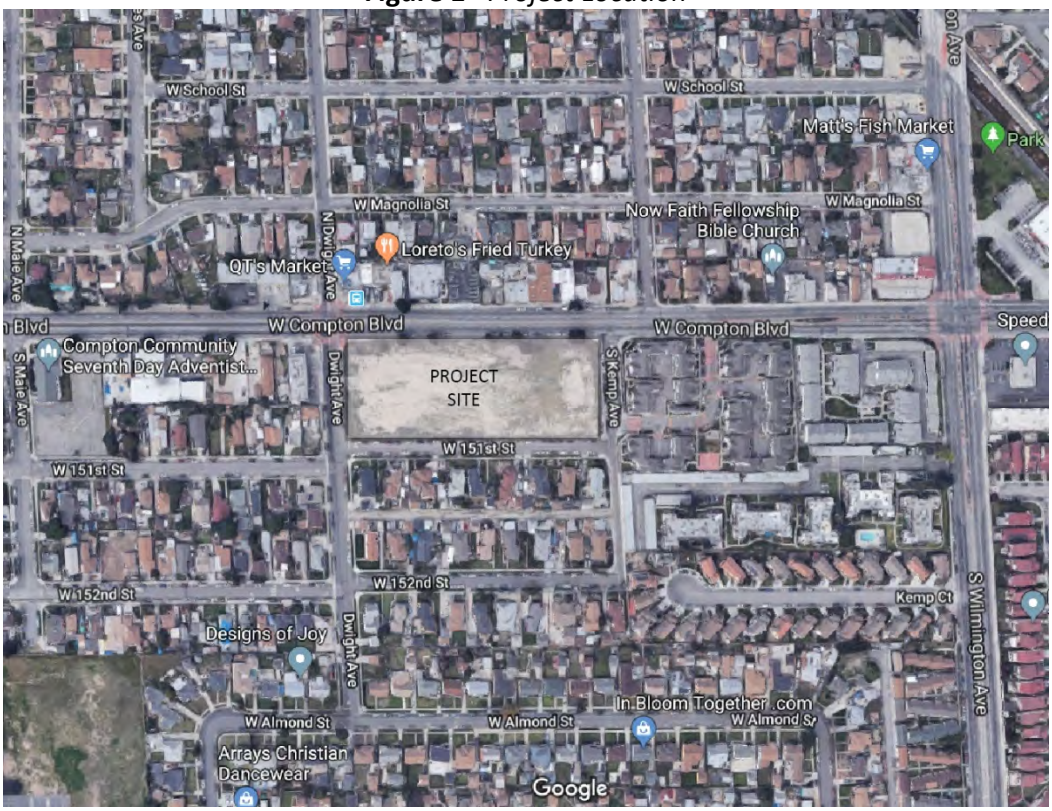
2.1 PROJECT DESCRIPTION

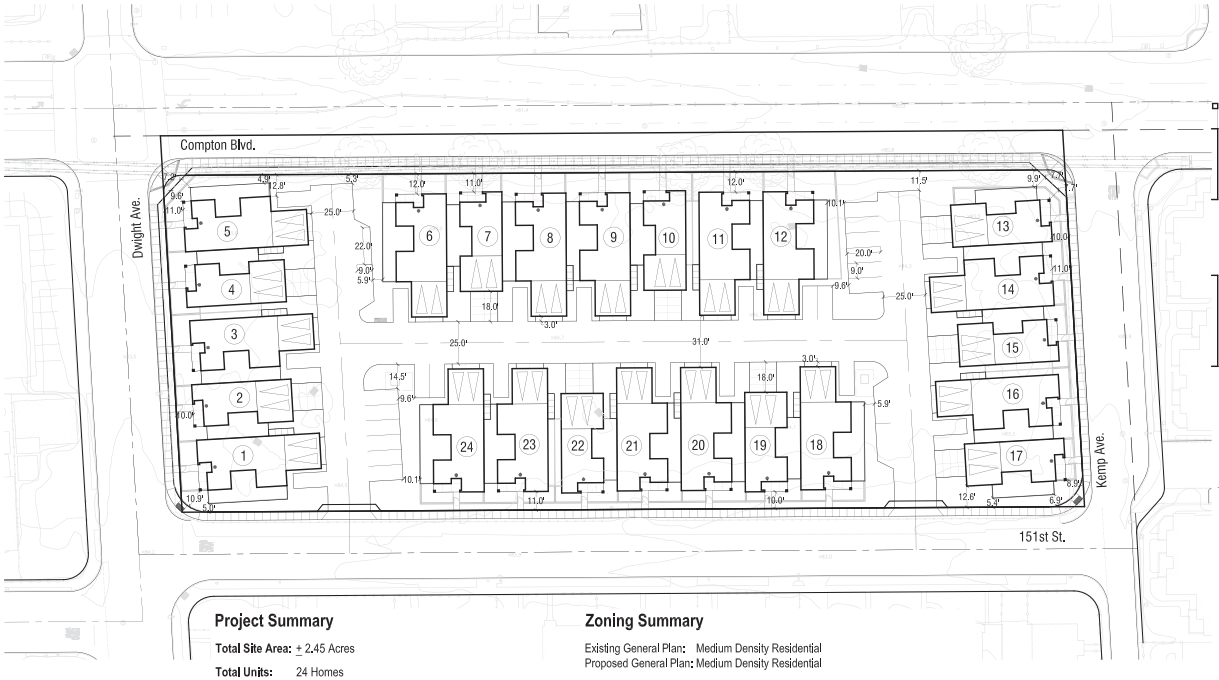
The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

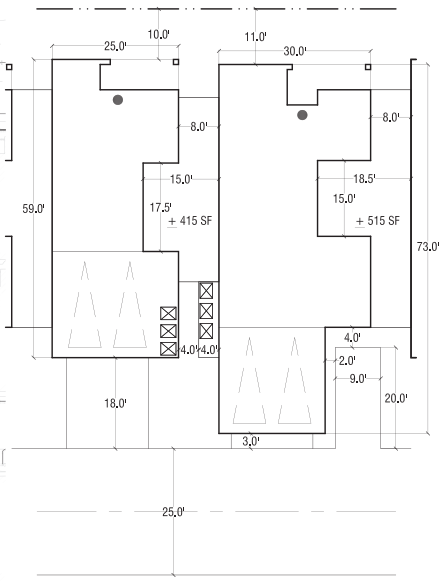
The proposed project is anticipated to be built and generating trips in 2021.

Figure 1 shows the project site location. ***Exhibit 1*** shows the proposed project site plan.

Figure 1– *Project Location*







Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (9) Plan 1: ± 1,900 SF
- (15) Plan 2: ± 2,500 SF

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 99 Spaces (4.12 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 18 Spaces (2 space/drive)
- Head In: 29 Spaces (9' x 20')
- Parallel: 4 Spaces (9' x 22')

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
Compton Blvd: 7'-8" to building
Dwight Ave: 9'-6" to building
Kemp Ave: 7'-8" to building
151st St: 8'-10"' to building

Building Separation: 8'

Max. Building Height: 35'

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

Conceptual Site Plan

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

SP-1

0 15 30 60

CITY SUBMITTAL

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City Ventures

ARCHITECTS , PLANNERS , DESIGNERS
WHA.
ORANGE COUNTY , LOS ANGELES , BAY AREA

Exhibit 1: Compton & Kemp Conceptual Site Plan

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

2.2 STUDY AREA

The following intersection in the vicinity of the project site have been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff. The scoping letter and City response is provided in ***Appendix A.***

- Dwight Avenue (NS) at Compton Boulevard (EW)

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

Exhibit 2 shows the location of the study intersections, which are analyzed for the following study scenarios:

- Existing Conditions;
- Project Opening Year (2021) Without Project Conditions; and
- Project Opening Year (2021) With Project Conditions.

Traffic operations are evaluated for the following time periods:

- Weekday AM Peak Hour occurring within 7:00 AM to 9:00 AM; and
- Weekday PM Peak Hour occurring within 4:00 PM to 6:00 PM.

2.3 ANALYSIS METHODOLOGY

Level of Service (LOS) is commonly used to describe the quality of flow on roadways and at intersections using a range of LOS from LOS A (free flow with little congestion) to LOS F (severely congested conditions). The City of Compton and Los Angeles County utilize the Intersection Capacity Utilization (ICU) methodology for signalized intersection analysis. The ICU methodology expresses the LOS of an intersection in terms of the remaining capacity at an intersection (or lack thereof). The ICU methodology compares the volume-to-capacity (V/C) ratios of conflicting turn movements at an intersection, sums the critical conflicting V/C ratios for each intersection approach, and determines the intersection's overall capacity utilization. The resulting V/C ratio is converted to an LOS as shown in ***Table 1***.

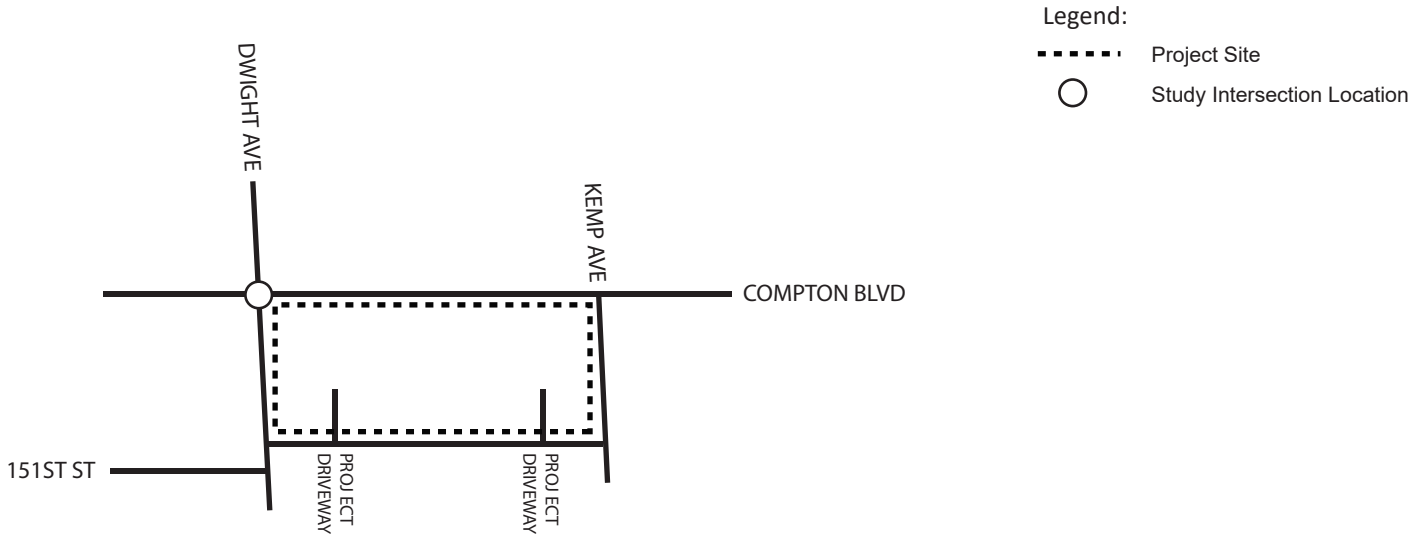


Exhibit 2: Study Intersection Locations

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 1
LOS & V/C Ranges

Level of Service	Volume to Capacity Ratio	Description
A	0.000 – 0.600	Free Flow: No approach phase is fully utilized and no vehicle waits longer than one cycle
B	0.601 – 0.700	Stable Flow: An occasional approach phase is fully utilized. Some drivers feel restricted in platoons.
C	0.701 – 0.800	Stable Flow: Major approach phases fully utilized. Most drivers feel restricted in platoons.
D	0.801 – 0.900	Tolerable Delays: Drivers may have to wait more than one cycle on occasion. Queues develop but dissipate rapidly and without excessive delays.
E	0.901 – 1.000	Unstable Operations: Volumes at or near capacity. Vehicles may wait several signal cycles. Long queues form upstream from intersection.
F	>1.000	Excessive Delays: Traffic flow breaks down, representing jammed conditions. Intersection operates below capacity. Queues may block upstream intersections.

This study utilizes a 1,900 vehicle per lane per hour saturation flow rate and a clearance interval of ten percent for the ICU analysis.

2.4 PERFORMANCE CRITERIA

The City of Compton has established level of service "D" or better as acceptable LOS for all intersections along the designated street and highway system in the General Plan Circulation Element.

2.5 THRESHOLDS OF SIGNIFICANCE

According to California Environmental Quality Act (CEQA) guidelines, a project is considered to cause a significant impact to a transportation system if it:

- Conflict with program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
- Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?[1]
- Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- Result in inadequate emergency access?

For the purposes of analyzing CEQA impacts, the City of Compton utilizes the following Los Angeles County thresholds of significant to identify significant transportation impacts:

[1]CEQA Guidelines section 15064.3(c) provides that a lead agency "may elect to be governed by the provisions" of the section immediately; otherwise, the section's provisions apply July 1, 2020. Here, the City has not elected to be governed by Section 15064.3. Accordingly, an analysis of vehicles miles traveled (VMT) is not necessary to determine whether a proposed project will have a significant transportation impact.

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

3.0 Existing Conditions

3.1 EXISTING CIRCULATION NETWORK/STUDY AREA CONDITIONS

The characteristics of the roadway system in the vicinity of the proposed project site are described in ***Table 2.***

Table 2
Roadway Characteristics Within Study Area

Roadway	Classification[1]	Direction	Existing Travel Lanes	Median Type	Speed Limit (mph)	On-Street Parking
Compton Boulevard	Secondary Highway	East-West	4	None	35	Yes
Dwight Avenue	Local Street	North-South	2	None	25	Yes
Kemp Avenue	Local Street	North-South	2	None	25	Yes
151st Street	Local Street	East-West	2	None	25	Yes

1: Sources: City of Compton General Plan Circulation Element

Exhibit 3 shows existing conditions study area intersection and roadway geometry.

3.2 CITY OF COMPTON GENERAL PLAN CIRCULATION ELEMENT

The proposed project site is located within the City of Compton. ***Appendix B*** contains the current Compton General Plan Circulation Element future transportation network and roadway classifications.

3.3 EXISTING BICYCLE AND PEDESTRIAN FACILITIES

There are no bicycle lanes on study area roadways. Sidewalks and curb ramps at intersections are present in the study area, except on the east side of Dwight Avenue along the project's frontage and on the north side of 151st Street along the project's frontage, where they are absent.

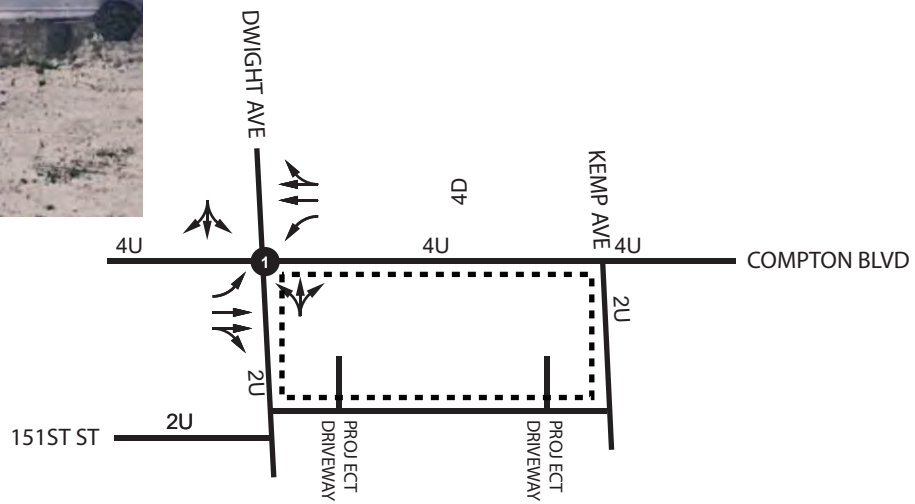
The proposed project is consistent with the City of Compton Bicycle Master Plan (May, 2015).

Appendix B contains Compton General Plan Circulation Element Bikeway Plan.

3.4 EXISTING PUBLIC TRANSIT SERVICES

The City of Compton is served by Los Angeles Metro which provides bus service throughout Los Angeles County. ***Figure 2*** shows the Metro routes in the vicinity of the City of Compton. Additionally, the Compton Renaissance Transit System provides limited local service within the City of Compton.

Source: Google Earth, 2019



Legend:

- Existing Lane
- Signal-Controlled Intersection
- 2U 2-lane Undivided Roadway
- 4U 4-lane Undivided Roadway
- Project Site

Exhibit 3: Existing Lane Geometry & Intersection Control

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Figure 2– *LA Metro Transit Routes*

There is one bus route within one-quarter mile of the proposed project site.

Metro Route 51/351 travels between the Wilshire/Vermont Purple Lane Station to the Compton Transit Center. In the vicinity of the proposed project, Route 51/351 runs along Compton Boulevard with a stop at the Compton Boulevard/Dwight Avenue intersection adjacent to the project site. Route 51/351 runs from 5:00 AM to 10:00 PM on weekdays with headways of 20-35 minutes and on weekends with 30-45 minute headways.

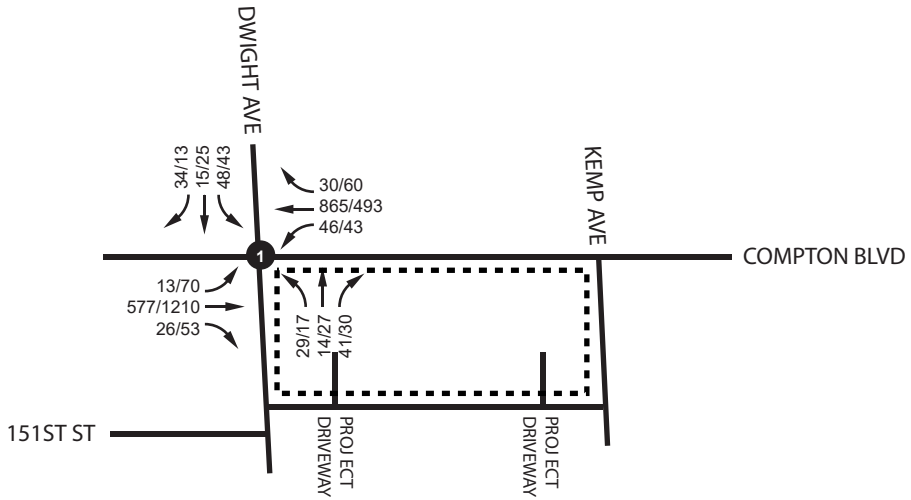
3.5 EXISTING TRAFFIC VOLUMES

To determine the existing operation of the study intersection, AM and PM peak period traffic counts at the study intersections were collected on Thursday June 6th, 2019. The traffic volumes used in this analysis are from the highest hour within the peak period counted. Detailed traffic count data is provided in ***Appendix C***.

Exhibit 4 shows existing AM and PM peak hour volumes at the study intersection.

3.6 EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS

Existing conditions AM and PM peak hour intersection analysis is shown in ***Table 3***. Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 4: Existing AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 3
Intersection Analysis – Existing Conditions

Intersection	Control Type	Peak Hour	Existing Conditions
			V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A
		PM	0.626 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 3***, the study intersection is currently operating at an acceptable LOS (LOS B or better) during the AM and PM peak hours.

4.0 Proposed Project

4.1 Project Description

The proposed project is bound by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

Exhibit 1 previously showed the proposed site plans for the proposed project.

4.2 Project Trip Generation

Trip generation represents the amount of traffic, both inbound and outbound, produced by a development. Determining trip generation for a proposed project is based on projecting the amount of traffic that the specific land uses being proposed will produce.

Industry standard *Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition, 2017)* trip generation rates were used to determine trip generation of the proposed project.

Table 4 shows the ITE 10th Edition trip generation rates used to calculate forecast trip generation of the proposed project.

Table 4
Trip Generation Rates for Proposed Project Land Use

Land Use (ITE Code)	Unit	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
Single Family Residential (210)	DU	0.185	0.555	0.74	0.624	0.366	0.99	9.44

Note: DU = Dwelling Unit
Source: ITE Trip Generation, 10th Edition (2017).

Table 5 shows the projected increase in trip generation resulting from the proposed project.

Table 5
Trip Generation of Proposed Project

Land Use	Quantity	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
24 Single - Family Dwelling Units	24 DU	5	13	18	15	9	24	227

Note: DU = Dwelling Unit

As shown in ***Table 5,*** the proposed project is forecast to generate approximately 18 AM peak hour trips, 24 PM peak hour trips and 227 daily trips.

4.3 Project Trip Distribution

Projecting trip distribution involves the process of identifying probable destinations and traffic routes that will be utilized by the proposed project's traffic. The potential interaction between the proposed land use and surrounding regional access routes are considered to identify the probable routes onto which project traffic would distribute. The projected trip distribution for the proposed project is based on anticipated travel patterns to and from the project site.

Exhibit 5 shows the projected trip distribution of proposed project trips.

4.4 Modal Split

The traffic reducing potential of public transit, walking and bicycling have not been considered in this analysis since transit facilities in the study area are limited.

4.5 Project Trip Assignment

Exhibit 6 shows the corresponding projected AM/PM peak hour trip assignment of project trips.

4.6 Traffic Management Plan

Stop signs will be installed at the project driveways for vehicles exiting the project site onto 151st street. Fire access will not be needed, in case of fires the fire department will fight the fires from outside the development. No parking signs will be posted throughout the site as needed or required by City standards.

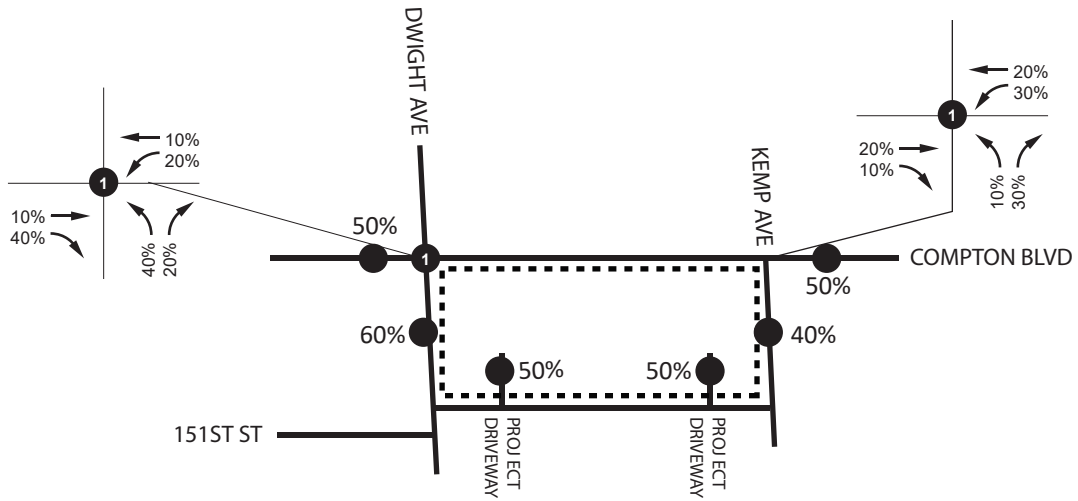
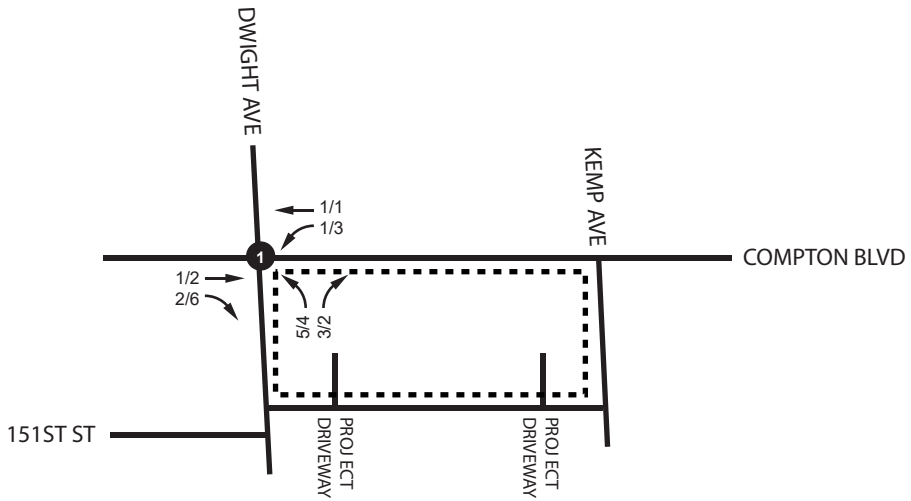


Exhibit 5: Projected Trip Distribution of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale



Legend:

XX/XX AM/PM Peak Hour Trip Assignment

Project Site

Exhibit 6: Projected Trip Assignment of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

5.0 Project Opening Year Without Project Conditions

5.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year without project* scenario are consistent with those previously shown in ***Exhibit 3***.

5.2 PROJECT OPENING YEAR WITHOUT PROJECT TRAFFIC VOLUMES

Project Opening Year Without Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year Without Project Volumes = (Existing (2019) Counts * 1.02^2)

Exhibit 7 shows *project opening year without project* AM and PM peak hour volumes at the study intersections.

5.3 PROJECT OPENING YEAR WITHOUT PROJECT LEVEL OF SERVICE ANALYSIS

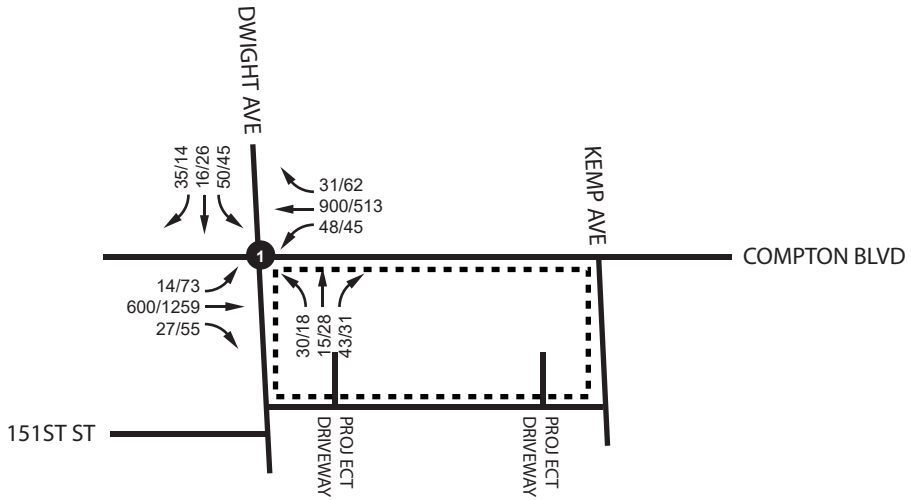
Project opening year without project conditions AM and PM peak hour intersection analysis is shown in ***Table 6.*** Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.

Table 6
Intersection Analysis – Project Opening Year Without Project Conditions

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project
			V/C – LOS	V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A	0.501 – A
		PM	0.626 – B	0.648 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 6***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) during the AM and PM peak hours for *project opening year without project conditions.*



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 7: Project Opening Year
Without Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

6.0 Project Opening Year With Project Conditions

Project opening year with project conditions analysis is intended to identify the project-related impacts on the existing circulation system.

6.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year with project* scenario are consistent with those previously shown in **Exhibit 3**.

6.2 PROJECT OPENING YEAR WITH PROJECT TRAFFIC VOLUMES

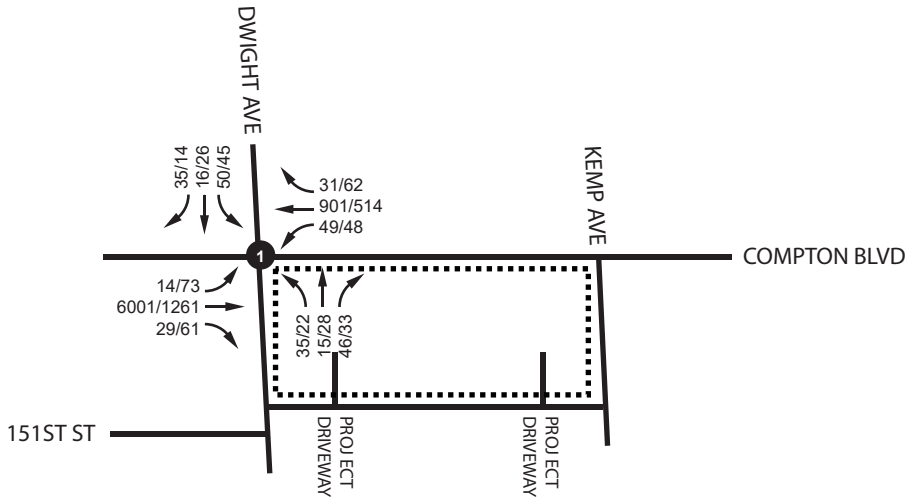
Project Opening Year With Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021, plus project trips. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year With Project Volumes = (Existing (2019) Counts * 1.02^2) + Project Traffic

Exhibit 8 shows *project opening year with project* AM and PM peak hour volumes at the study intersection.

6.3 PROJECT OPENING YEAR WITH PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS

Project opening year with project conditions AM and PM peak hour intersection analysis is shown in ***Table 7***. ICU analysis sheets are provided in ***Appendix D.***



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 8: Project Opening Year
With Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 7
Intersection Analysis – Project Opening Year With Project

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project	Project Opening Year With Project		
			V/C – LOS	V/C – LOS	V/C – LOS	Change in V/C	Significant Impact?
Dwight Avenue/Compton Boulevard	Signal	AM PM	0.490 – A 0.626 – B	0.501 – A 0.648 – B	0.505 – A 0.656 – B	0.004 0.008	No

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 7***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) for *project opening year with project* conditions.

Based on the thresholds of significance previously discussed in section 2.4, the addition of project generated trips does not result in any significant impacts at the study intersection.

7.0 Site Access and Sight Distance

This section summarizes proposed site access and on-site circulation recommendations.

7.1 ON-SITE ROADWAY IMPROVEMENTS

The recommended site-adjacent roadway improvements are described below.

Wherever necessary, roadways adjacent to the proposed project site and site access points should be constructed in compliance with recommended roadway classifications and respective cross-sections in the City of Compton General Plan Circulation Element or as directed by the City Engineer.

7.2 SIGHT DISTANCE ANALYSIS

A sight distance analysis for the proposed project driveway has been prepared based on the "stopping sight distance" requirements determined by Topic 201 and Table 201.1 of the *Caltrans Highway Design Manual* (HDM), latest edition. ***Table 8*** shows the minimum stopping sight distances based on the design speed, as displayed in Table 201.1 of the HDM.

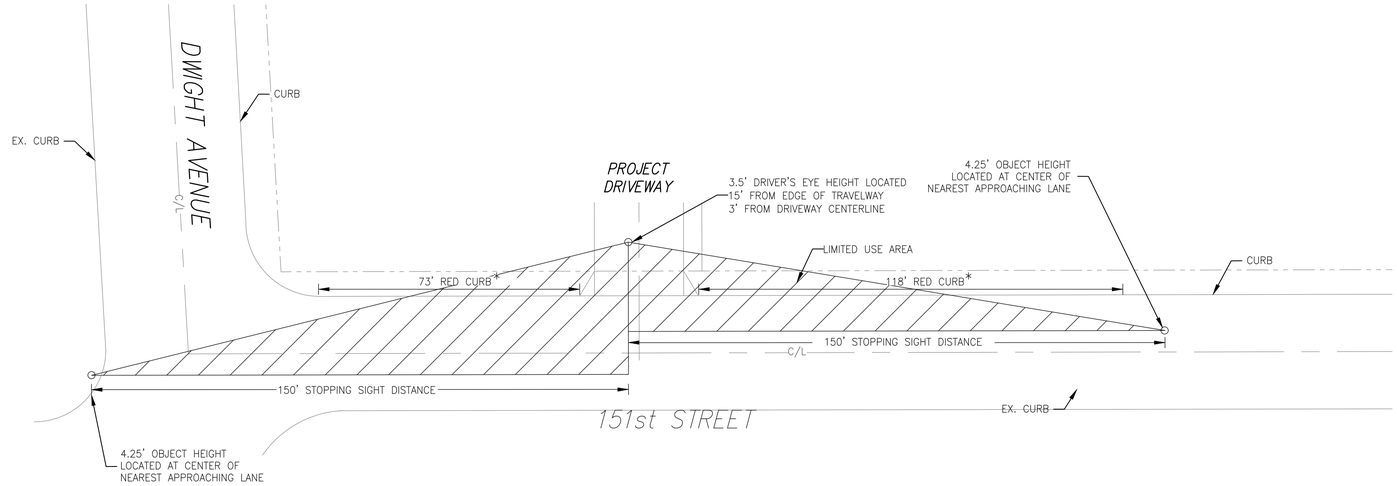
Table 8
Stopping Sight Distance

Design Speed (mph)	Stopping Sight Distance (ft)
25	**150**
30	200
35	250
40	300
45	360
50	430

Source: Table 201.1, Highway Design Manual (July 2, 2018)
Note: mph = miles per hour; ft = feet

In this analysis, the movements being analyzed at the Project Driveway intersections are movements from the exiting vehicles onto 151st Street. Since there is no posted speed limit on 151st Street between Dwight Avenue and Kemp Avenue, the 85th percentile speed is assumed to be 25 miles per hour.

Exhibit 9 displays the sight distance conditions at the project driveway in relation to the existing sidewalk, striping, and parking on 151st Street. The exhibit shows the required 15-foot setback from the edge of travel way and the 15-feet of sight distance required based on the assumed 85th percentile speed of 25 miles per hour.



151st STREET IS A LOCAL ROAD WITH A PRIMA FACIA SPEED LIMIT OF 25 MPH. TABLE 201.1 OF THE HDM, RECOMMENDS 150-FEET OF STOPPING SIGHT DISTANCE.

* NOTE: SECTION 405.1 OF THE HDM RECOMMENDS PARKING RESTRICTIONS ON URBAN DRIVEWAYS BE SET PER CA MUTCD SECTION 3B.19. SECTION 3B.19 RECOMMENDS A CLEARANCE OF **6-FEET** MEASURED FROM CURB RETURN SHOULD BE PROVIDED AT BOTH SIDES OF A DRIVEWAY.

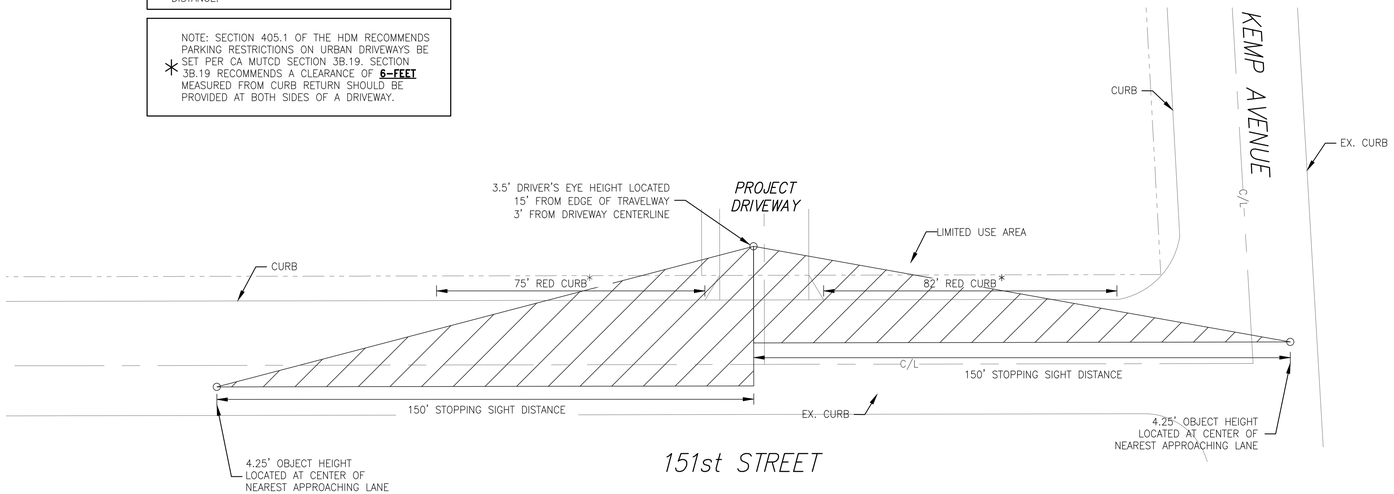


EXHIBIT 9: SIGHT DISTANCE ANALYSIS
CVR-19-001 COMPTON & KEMP TRAFFIC IMPACT ANALYSIS
Date: 09/30/21

SCALE: 1" = 20'
10 0 10 20 30

As shown in ***Exhibit 9***, the stopping sight distance requirements would be impaired by existing parking 151st Street west and east of the driveways. To meet the stopping sight distance standard, approximately 348 feet of red-curb would need to be painted on the north side of 151st Street.

TJW notes that Section 405.1 of the Highway Design Manual recommends that parking restrictions on urban driveways be set per California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 3B.19. Section 3B.19 recommends a clearance of 6-feet measured from the curb return should be provided at both sides of a driveway. It is TJW's recommendation that the CA MUTCD guidance be followed and a clearance of 6-feet be provided at both sides of the driveway.

8.0 Parking

The proposed project consists of 24 single family dwelling units. *Table 30.-21.A Parking Space Requirements* in the City of Compton Zoning Code contains minimum parking requirements for various land uses in the City.

Single family dwelling units are required to provide two enclosed spaces per dwelling unit. The proposed project would be required to provide 48 enclosed parking spaces.

The proposed project is providing two-car garages for every dwelling unit, with driveways that provide an additional two uncovered parking spaces per unit, as well as six on-street guest parking spaces, meeting code requirements whether analyzed as single family dwelling units.

Providing access to the proposed project will result in the loss of up to 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue due to the construction of two driveways with 6-feet of red curb on both sides of the driveways.

TJW collected on-street parking counts on the streets surrounding the project site in the afternoon and evening on Wednesday June 19th, 2019 from 4:00 PM to 12:00 AM to assess the existing parking inventory and occupancy. Evening hours were chosen since the overnight period is the peak period of parking demand for the residential uses adjacent to the site. Since the on-street parking supply is not striped, the inventory of each block face was projected based on observations in the field. And measurements of curb space.

The parking areas assessed were the south side of Compton Boulevard between Dwight Avenue and Kemp Avenue, both sides of Dwight Avenue between Compton Boulevard and 151St Street, both sides of 151st Street between Dwight Avenue and Kemp Avenue, and both sides Kemp Avenue between Compton Boulevard and 151st Street.

Table 9 summarizes the results of the parking inventory and occupancy counts. Detailed data, which was collected in 30 minute increments, is available in ***Appendix E***.

As shown in Table 9, there are approximately 94 on-street parking spaces on the streets surrounding the project site. The peak period of observed parking demand was at 11:00 PM – 12:00 AM, when 61 vehicles were parked in the survey area, for an overall occupancy of 65%. While certain streets, such as 151st Street and Kemp Avenue were over 80% occupied, Dwight Avenue and Compton Boulevard were under 50% full.

Based on the parking data collection, there is adequate on-street parking availability nearby to accommodate any displacement from the loss of 6-8 on-street parking spaces on 151st Street.

Table 9
Parking Survey Results

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	5	7	6	6	4	5	4
	Subtotal	**19**	**8**	**9**	**5**	**7**	**6**	**6**	**4**	**5**	**4**
	Total Occupancy	19	8	9	5	7	6	6	4	5	4
	Total Percent		**42%**	**47%**	**26%**	**37%**	**32%**	**32%**	**21%**	**26%**	**21%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	0	0	3	4	4	4	5	5
	West Side of Street	**9**	Construction	5	4	8	9	9	9	9	9
	Subtotal	**16**	**0**	**5**	**4**	**11**	**13**	**13**	**13**	**14**	**14**
	Total Occupancy	16	0	5	4	11	13	13	13	14	14
	Total Percent		**0%**	**31%**	**25%**	**69%**	**81%**	**81%**	**81%**	**88%**	**88%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	18	18	20	17	19	20	21	21
	South Side of Street	**21**	13	14	13	14	17	16	18	17	18
	Subtotal	**46**	**28**	**32**	**31**	**34**	**34**	**35**	**38**	**38**	**39**
	Total Occupancy	46	28	32	31	34	34	35	38	38	39
	Total Percent		**61%**	**70%**	**67%**	**74%**	**74%**	**76%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	4	2	2	3	3	3	4	4
	West Side of Street	**5**	1	1	1	1	1	1	0	1	1
	Subtotal	**13**	**3**	**4**	**2**	**2**	**3**	**3**	**3**	**4**	**4**
	Total Occupancy	13	3	4	2	2	3	3	3	4	4
	Total Percent		**23%**	**31%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**31%**

	Grand Total Occupancy	94	39	50	42	54	56	57	58	61	61
	Grand Total Percent		**41%**	**53%**	**45%**	**57%**	**60%**	**61%**	**62%**	**65%**	**65%**

9.0 Signal Warrant Analysis

A signal warrant analysis was conducted at the intersection of Compton Boulevard and Kemp Avenue. Compton Boulevard is classified as a four-lane secondary highway and has a posted speed limit of 35 miles per hour. Kemp Avenue is classified as a two-lane local street and has no posted speed limit. The intersection currently operates as a two-way stop intersection with the off-set Kemp Avenue approaches being stop controlled. Traffic counts were conducted at the intersection on Wednesday August 21, 2019.

Traffic signal warrants for project opening year with project conditions were prepared. Because the speed limit on Compton Boulevard is 35 miles per hour, Figure 4C-3 of the *California Manual on Traffic Control Devices* was used to evaluate the conditions at the intersection. ***Table 10*** summarizes the results of the signal warrant analysis. Detailed warrant analysis sheets are included in Appendix F.

Table 10
Signal Warrant Analysis

Intersection	Signal Warrants Met?	
	AM Peak Hour	PM Peak Hour
Compton Boulevard/Kemp Avenue	No	No

As shown in ***Table 10***, peak hour signal warrants are not met for project opening year with project conditions. Signalization of the Compton Boulevard/Kemp Avenue intersection is not recommended.

Appendices

APPENDIX A

SCOPING AGREEMENT/SCOPING EMAILS

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

May 7, 2019

Mr. Hien Nguyen, PE
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton CA 90220

Report: Scoping Agreement for the Compton & Kemp Residential Project Traffic Impact Analysis

Dear Mr. Nguyen:

TJW ENGINEERING, INC. (TJW) is pleased to submit this scoping agreement for the proposed Compton & Kemp residential project in the City of Compton. The project site is bound by Compton Boulevard to the north, Kemp Avenue to the east, W 151st Street to the south and Dwight Avenue to the west. The proposed project consists of 24 single-family dwelling units.

The Project's site plan is attached to this scoping letter. The project is anticipated to be built and generating trips in 2021. Site access is planned at two driveways on W 151st Street.

The traffic impact analysis will follow applicable City of Compton and Los Angeles County guidelines for traffic impact analysis.

Trip Generation

Trip generation for the proposed project will be developed using rates from the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) for Land Use 210 – Single-Family Detached Housing. As shown in Table 1, the project is anticipated to generate 227 daily trips, 18 AM peak hour trips, and 24 PM peak hour trips.

Table 1: Proposed Project Trip Generation

Proposed Land Use[1]	Qty/ Unit	Daily Trips (ADTs)		AM Peak Hour					PM Peak Hour				
		Rate	Volume	Rate	In:Out Split	Volume			Rate	In:Out Split	Volume		
						In	Out	Total			In	Out	Total
Single-Family Detached Housing (210)	24 DU	9.44	**227**	0.74	25:75	4	14	18	0.99	63:37	15	9	24

[1]: Rates from ITE Trip Generation (10th Edition, 2017)

Trip Distribution and Assignment

The project site is situated within a large rectangle formed by the 105, 110, 710 and 91 freeways. Project trips are generally projected to arrive/depart via Compton Boulevard and head to/from other major arterials to access freeways for work related trips, and to utilize local streets for other trips. The proposed project's trip distribution assumes that 50% of project trips will arrive/depart from/to the west on Compton Boulevard and 50% of project trips will arrive/depart from/to the east on Compton Boulevard.

Study Area

turning movement counts to be conducted on 5/29, 5/30, 6/4, 6/5, or 6/6/19 between 4p and 6p

Based on ~~the trip generation~~, the following two (2) intersections will be analyzed in the level of service analysis:

1. Compton Boulevard/Dwight Avenue; and
2. ~~Compton Boulevard/Kemp Avenue.~~

PM

County

Study Analysis Scenarios

Consistent with Los Angeles traffic study guidelines, the analysis of peak hour operations at study area intersection will occur for the following scenarios:

(1) Existing Traffic Conditions;
~~(2) Existing Plus Project Conditions;~~
(3) Project Opening Year Without Project Conditions; and
(4) Project Opening Year With Project Conditions.

With opening year being 2021, assume existing traffic volumes will increase by 4% in 2 years.

The Intersection Capacity Utilization (ICU) methodology will be used in the analysis per the Los Angeles County traffic impact analysis guidelines.

Level of Service Criteria

The City of Compton target for peak hour intersection operations is LOS D or better.

For the purposes of analyzing California Environmental Quality Act (CEQA) impacts, the City of Compton identifies significant impacts based on a comparison of the without and with project ICU at study intersections according to the following criteria:

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

~~***Cumulative Projects***~~

TJW will obtain a list of cumulative projects from the City. TJW will utilize this list to determine which cumulative projects should be included in the cumulative conditions analysis. If the City has any information on the cumulative projects such as trip generation and trip distribution patterns for each project, or prior completed traffic studies, TJW requests that this information be forwarded to us electronically.

Please feel free to call us at (949) 878-3509 if you have any questions regarding this scoping letter.

Signal Warrant Analysis
TJW will conduct turning movement counts at West Compton Blvd. and Kemp Ave. from 4p to 6p on 5/29, 5/30, 6/4, 6/5 or 6/6/19. Based on these counts, TJW will evaluate Signal Warrants 2 (Four Hour) and 3 (Peak Hour) for the intersection under Opening Year (2021) with Project Conditions.

Sincerely,

TJW ENGINEERING, INC.

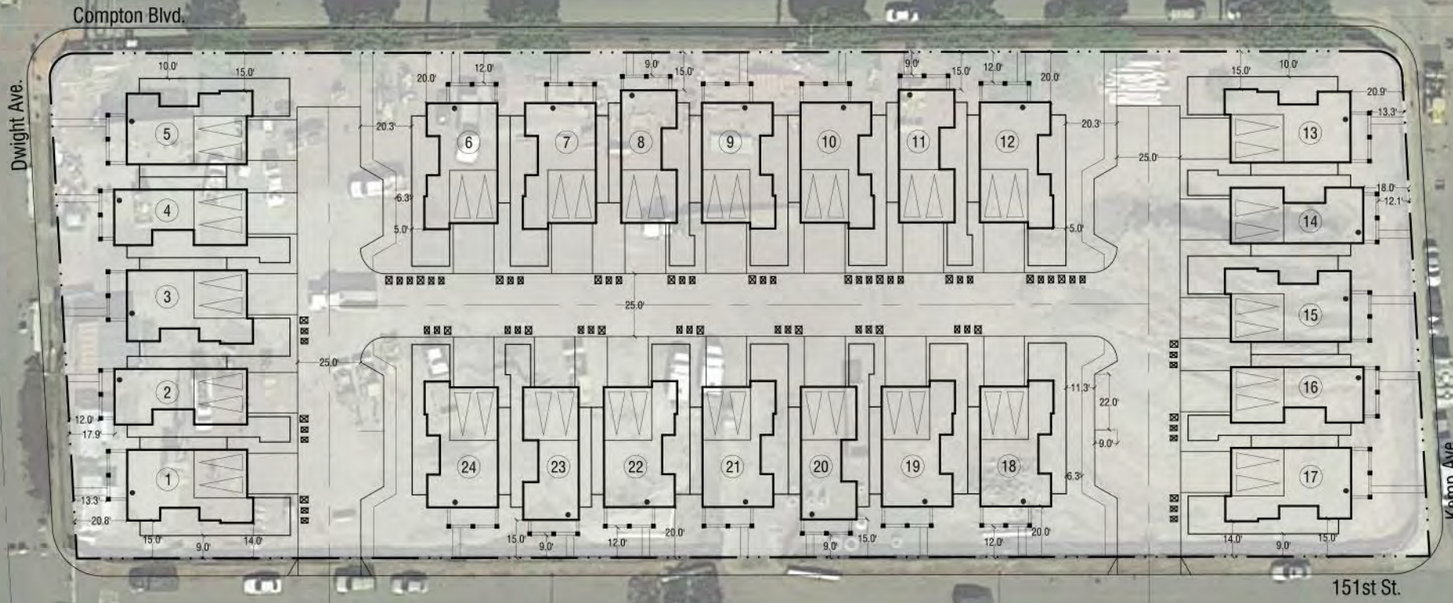
Recommended by:

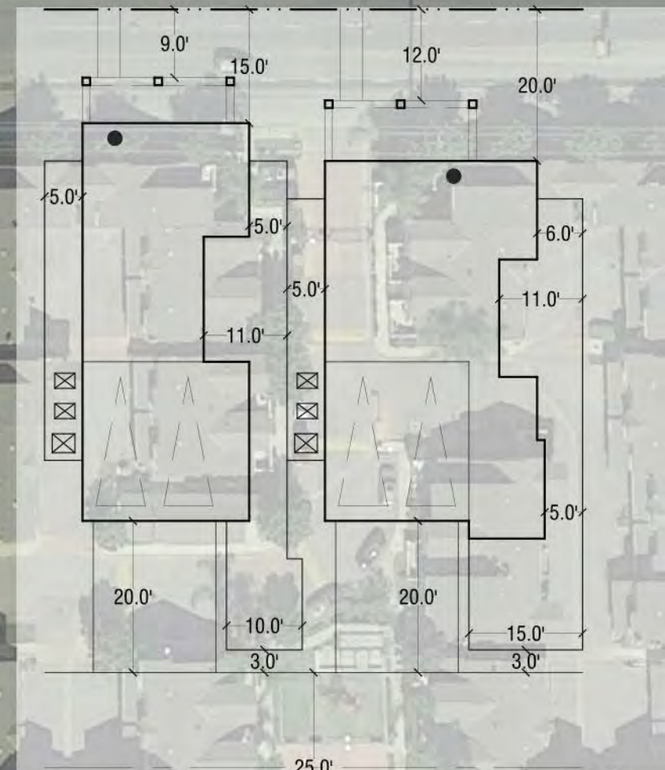
Thomas Wheat, PE, TE
TJW Engineering, Inc.
Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*

Approved by:

Hien Nguyen, City of Compton

Comments by:
GL, 5/21/19





Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
- Compton Blvd: 15' to building; 9' to covered porch
- Dwight Ave: 15' to building; 12' to covered porch
- Kemp Ave: 15' to building; 12' to covered porch
- 151st St: 14' to single story element (building 1 & 17); 15' to front of building; 9' to covered porch

Building Separation: 10'

Max. Building Height: 35'

Notes:
1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information.
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

City Ventures

CONCEPTUAL SITE PLAN
COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

0 15 30 60

CONCEPT STUDY

© 2018 WILLIAM HEZMALHALCH ARCHITECTS, INC. dba WHA. | 2013039 | 03-08-18

ARCHITECTS . PLANNERS . DESIGNERS
WHA.
ORANGE COUNTY . LOS ANGELES . BAY AREA

From: Hien Nguyen <hnguyen@comptoncity.org>
Sent: Wednesday, May 22, 2019 4:50 PM
To: Thomas Wheat; David Chew; Jeff Weckstein
Cc: Delores Jones; Troy Gunter; Kim Prijatel
Subject: 930 W. COMPTON BLVD PROJECT---1ST COMMENTS ON SCOPE OF TRAFFIC STUDY

Hello Gentlemen,

Per your request, please find Public Works Dept.'s Comments on "TIA Scope" as follows:

1. The TIA shall follow the LACDPW's guidelines

2. For safety of the public: The TIA shall include, but not limited to, the following:

   - A "Line Sight Study" [LSS] for traffic exiting the site onto 151st Street.
   - Traffic Management Plan for the site development including, but not limited to, fire lanes, no parking signs, stop signs for traffic exiting the site onto 151st Street, etc.

3. For info on list of related projects [within 1.5-mile radius of the site]: Please contact Mr. Troy Gunther of Planning Dept.

4. Impact of on-street parking surrounding the site and mitigation measures

5. PW Dept. will accept the ICU methodology, and the following softwares:

   - HCS version 2000 or later version,
   - Synchro V7 or later version
   - Traffix (Dowling) v.7.6 or later version
   - VISTRO
   - or other equivalent softwares

Please find the attached file prepared by Public Works Plan Check Consultant Willdan Engineering as a part of the composite PW Dept.'s comments on your proposed TIA Scope.

Thanks

Hien Nguyen, P.E.
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton, CA 90220
Phone (310) 761-1476,
Fax (310) 605-6326
City Hall is closed Fridays

APPENDIX B

COMPTON GENERAL PLAN ROADWAY CLASSIFICATIONS AND CROSS SECTIONS

CIRCULATION PLAN

The "Circulation Issues" discussion in this element identifies the long-term transportation and circulation concerns in Compton. This section describes the programs and strategies the City will pursue to address these issues and to move towards a balanced transportation system that meets the future mobility needs of Compton residents, as well as the business sector's demand to move goods most efficiently and effectively.

MASTER PLAN OF STREETS AND HIGHWAYS

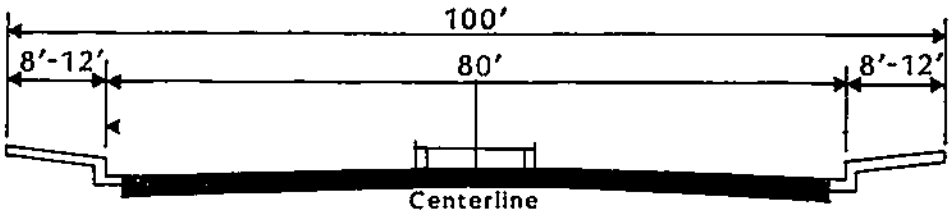
Streets and highways in Compton are described and classified according to their primary function. This hierarchical system of roadways consists of the following four basic classifications:

- Major Highway;
- Secondary Highway;
- Collector; and
- Local Street.

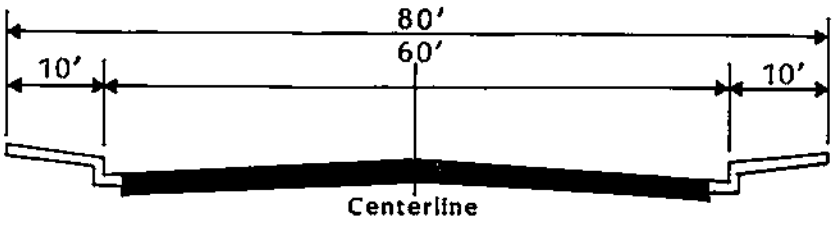
Figure C-1 illustrates the roadway cross-section standards (geometrics) for these five classifications. Roadway functions and standards may be described as follows.

Major Highway

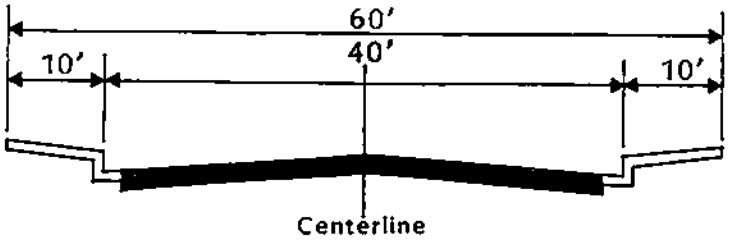
A Major Highway is the highest capacity street within the City's street system. Major Highways are designed to carry high volumes of traffic, primarily for through trips. They serve as the principal connectors from lower classification streets to the freeway system and other regional routes. The standard calls for 100 feet of right-of-way and four to six travel lanes within a minimum 80-foot wide, curb-to-curb paved street section. The right-of-way and paved road width can be increased at and near intersections to allow for median strips and extra turn lanes.



Major Highway (a)

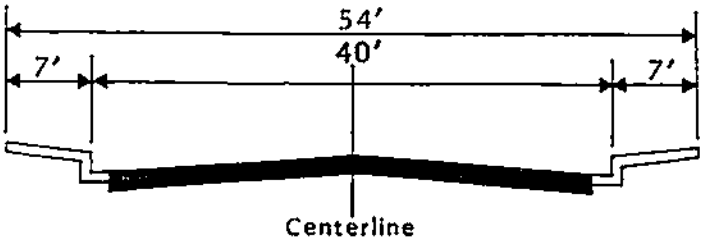


Secondary Highway



4' minimum sidewalk on both sides

Standard Collector



4' minimum sidewalk on both sides

Residential Collector

12/3/91

(a) Major Highway right-of-way may be increased to accomodate center median or extra turn lanes at intersections.

(b) All roadbed widths shown are minimums.

Figure C - 1
Standard Street Cross Sections

Major Highways in the Compton planning area include El Segundo Boulevard (west of Santa Fe Avenue), Rosecrans Avenue, Alondra Boulevard, Artesia Boulevard (east of Alameda), Victoria/Apra Street, Avalon Boulevard, Central Avenue, Wilmington Avenue, Santa Fe Avenue, Long Beach Boulevard, and Atlantic Avenue.

Secondary Highway

Secondary Highways connect Major Highways to collector and local streets and are intended to carry relatively high traffic volumes for both through and local trips. A Secondary Highway consists of 80 feet of right-of-way and four travel lanes within a 60-foot, curb-to-curb paved section.

The Secondary Highways in Compton are 135th Street, Compton Boulevard, Greenleaf Boulevard, Walnut Street, Willowbrook Avenue, Tamarind Avenue, Mona Boulevard, Temple Avenue, Bullis Road, Compton Avenue, and Artesia Boulevard (west of Alameda).

Collectors

Two Collector classifications are included within the street system - the Standard Collector and the Residential Collector. Standard Collectors serve the City's major industrial and commercial areas and high density residential developments and are designed to carry moderate to relatively high volumes of traffic to the Secondary and Major Highways, while avoiding lower density residential neighborhoods. The Residential Collector accommodates moderate traffic volumes and is intended to carry residential traffic from the neighborhoods to schools, parks, and shopping areas.

Standard Collectors contain slightly more right-of-way than Residential Collectors, consisting of 40 feet of paving within a 60-foot right-of-way width. The Residential Collector has a 40-foot paved section and a minimum 54-foot right-of-way. Collector streets will be designated as part of a special study.

Local Streets

Local Streets are designed to carry low volumes of local (non-through) traffic. Locals connect to Collectors and Highways for through trips. Standards for Local Streets are variable, given the variety of residential subdivisions which have been developed since Compton incorporated as a City.

Study Street

Alameda Street is designated as a Study Street since street width and configuration will be determined as part of the Alameda Corridor design study.

Critical Intersections

Figure C-2 identifies several intersections as "critical intersections." These are locations where, over time, right-of-way beyond the standard rights-of-way illustrated in Figure C-1 may be needed to accommodate additional turn lanes. Traffic volumes may be more easily managed if a dedicated right-turn lane, dual left-turn lanes, or other non-standard configurations are provided.

Master Plan

Figure C-2 presents the Master Plan of Streets and Highways for Compton. This plan shows the ultimate circulation system needed to move people and goods within and through the City while maintaining roadway service levels of Level of Service D or better. The system incorporates regional infrastructure and public transit improvements and plans, and accommodates the City's specific transportation needs. Physical road improvements will be necessary to achieve this system, including road widenings, roadway reconfiguration, construction of the Alameda Corridor, and grade separations at railroad crossings.

Road Widenings: Several Major and Secondary Highways will require widening and restriping to provide consistent widths and to accommodate future traffic volumes. In particular, the following improvements will be made.

- Central Avenue between Rosecrans Avenue and Compton Boulevard will be widened and restriped to provide a six-lane divided highway.

- Wilmington Avenue between the Artesia Freeway and Victoria Street will be widened and restriped to provide a six-lane divided highway.

- Greenleaf Boulevard between Wilmington Avenue and Santa Fe Avenue will be widened to provide a four-lane divided roadway.

- Long Beach Boulevard, from the north City limit to Rosecrans Avenue, will be widened and restriped to provide a six-lane divided roadway.

To accomplish street widenings, the City will undertake a comprehensive approach. This requires that the City schedule the improvement in a Capital Improvement Plan (CIP) and acquire right-of-way through eminent domain or permanent on-street parking restrictions.

These identified widenings will be performed over the 20-year General Plan planning period (before the year 2010). The City will monitor roadway volumes over time to determine the timing and approach for the improvements.

Roadway Reconfiguration: Along many road sections, right-of-way width exists consistent with the Master Plan. However, efficient traffic movement is hindered by uncontrolled access from feeder streets and from development fronting on Highways and Collectors. To allow for better flow, the City may provide raised medians (divided roadways) along the following street segments:

- Wilmington Avenue between Compton Boulevard and the Artesia Freeway;

- Long Beach Boulevard between the north City limits and the Artesia Freeway (virtually its entire length through Compton); and

- Rosecrans Avenue between Santa Fe Avenue and Long Beach Boulevard.

If studies indicate these improvements can significantly improve traffic flow, improvements will be completed before the year 2005.

Alameda Corridor: As described previously in this element, the Alameda Corridor represents a major improvement to the regional transportation system (Figure C-2). The corridor, planned to connect the ports of Los Angeles and Long Beach to multi-modal goods distribution facilities near downtown Los Angeles, is described as "a critical link for the movement of local and international cargo."[1] This road and rail freight route is intended to reduce through truck traffic on parallel streets and freeways, especially heavily-traveled Interstate 710, and to consolidate freight rail traffic to a single corridor, thus reducing rail/surface street conflicts.

As a member of the Alameda Corridor Transportation Authority, Compton will participate in the selection of the corridor design. Primary options include: 1) a four-lane road with parallel, multi-track rail lines; 2) a six-lane, one-way road couplet with at-grade rail tracks between the one-way routes; and 3) the six-lane road couplet separated by a depressed rail way. Grade separations are contemplated at principal east-west streets. Compton will encourage grade separations at several locations in the City, as described below.

Grade Separations: Construction of new rail and surface street grade separations involves tremendous costs. However, traffic congestion can be greatly mitigated by removing hindrances to free east-west traffic flow. Thus, the City strongly supports efforts to consolidate freight rail traffic along a single corridor and to provide grade separations in the design of the Alameda Corridor. Priority streets in Compton for grade separation include Compton Boulevard, Alondra Boulevard, and Greenleaf Boulevard.

Compton will work to include these streets in the design of the Alameda Corridor. In the event the Alameda Corridor is not built or construction is significantly delayed, Compton will seek other funding sources and establish accelerated time schedules for construction of grade separations.

---

[1]Project Memorandum, "The Alameda Corridor Project," Alameda Corridor Transportation Authority.

The City will continue construction efforts to complete the Mealy Street rail line relocation, which involves completion of the Rosecrans Avenue overpass at Alameda Street and depression of West Alameda Street below the relocated Wilmington Branch rail line, among other improvements.

Traffic Signal Synchronization: The City will complete its program to computerize traffic signals Citywide so that traffic flow can be synchronized and better managed. Complete synchronization will be accomplished by 1995.

ROADWAY MAINTENANCE AND REHABILITATION

Potholed streets, crumbling curbs, and cracked sidewalks citywide contribute to traffic safety problems and a general unkempt appearance. By implementing stronger roadway rehabilitation and maintenance programs, the City will achieve two important goals -- reducing congestion and enhancing the visual character of Compton.

Additional funds for infrastructure improvements will be available from State gas tax revenues increased via legislation passed in 1990. The legislation ties a jurisdiction's eligibility for funds to that jurisdiction's compliance with adopted Congestion Management Plans. Compton will comply with the provisions of the Los Angeles County CMP, as discussed in this element, to ensure the City receives its share of the revenues. A Capital Improvement Plan (CIP) will be submitted to the LACTC as required.

The City will place priority on rehabilitating residential streets within target neighborhoods, as discussed in the Housing Element, toward the end of improving overall neighborhood quality. General Fund, Community Development Block Grant (CDBG), and tax increment resources will be used for this program. Tax increment and CMP funds will be the primary resources used to finance roadway improvements within the commercial and industrial districts.

As growth throughout Southern California adds vehicles to the region's overburdened freeway and arterial highway systems, people will rely more heavily upon public transportation, especially for commute trips. Compton's ready access to RTD and other bus lines and to the Blue Line passenger rail will continue to offer Compton residents and persons working in the City alternatives to the private automobile.

Bus Service

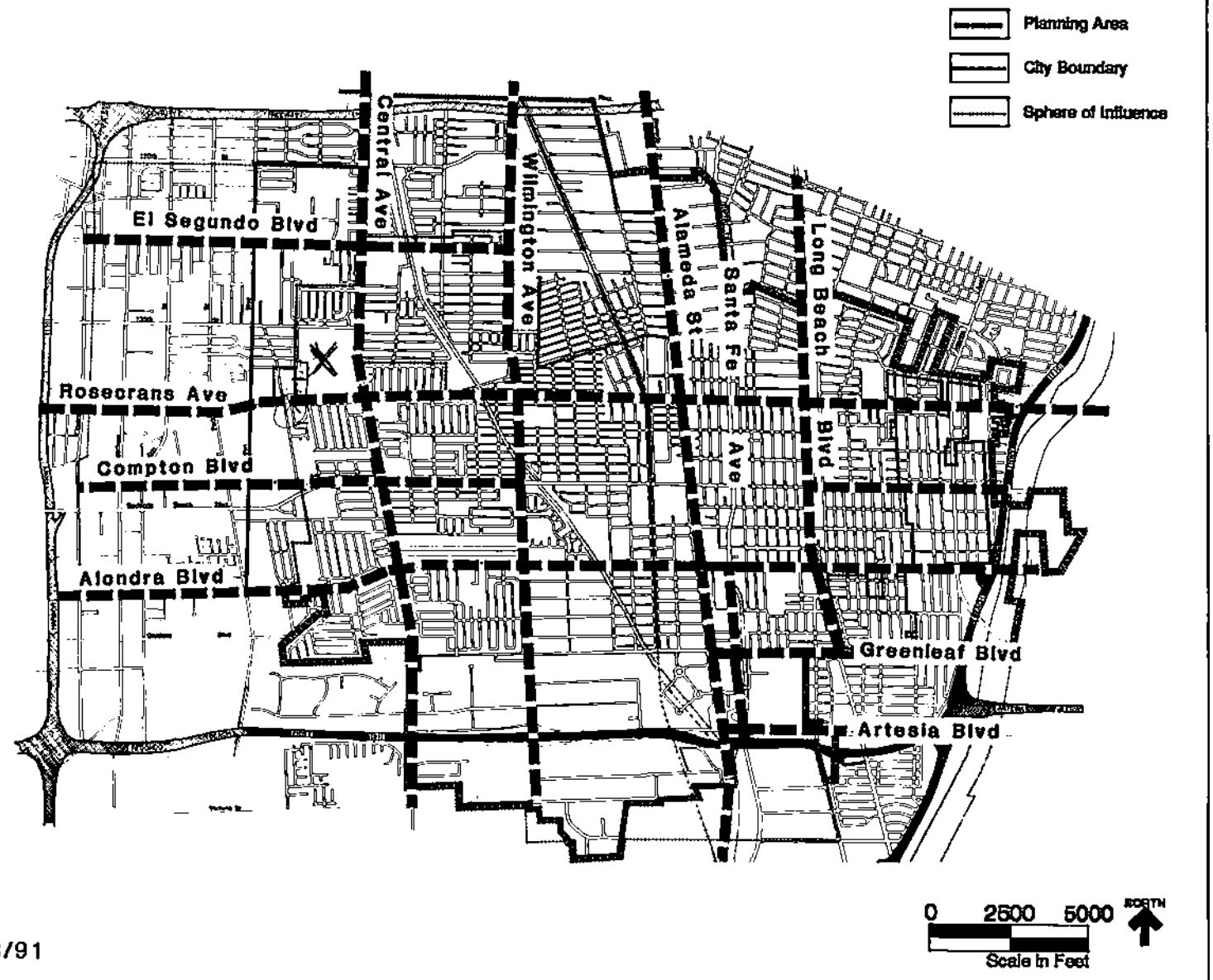
To encourage use of public transit, the City will pursue several programs. Foremost, City officials will work with the RTD to monitor bus transit demands and service levels, and to adjust schedules and routes to best serve residents and commuters into the City. Figure C-3 illustrates preferred bus routes. Bus stops will be clearly identified with signs and benches or bus shelters. The City will cooperate with the RTD in funding these necessities.

In reviewing new development proposals, the City will consider the need for bus turnouts for projects abutting Major and Secondary Highways and Collector streets. If such improvements are necessary, the City will rely largely upon developer financing of the improvements.

Passenger Rail

To maximize use of passenger rail, Compton's multi-modal transit center at the Blue Line station will be expanded to accommodate shuttle bus and vanpool service to and from major employment centers. The center may have designated parking and loading areas for shuttle vehicles. Figure C-3 shows potential destination for shuttle services.

The City will support RTD's and other bus service providers' use of the transit center by providing adequate park-and-ride lots. The City, together with RTD, will monitor uses of the lots and will expand lots as necessary to support increased



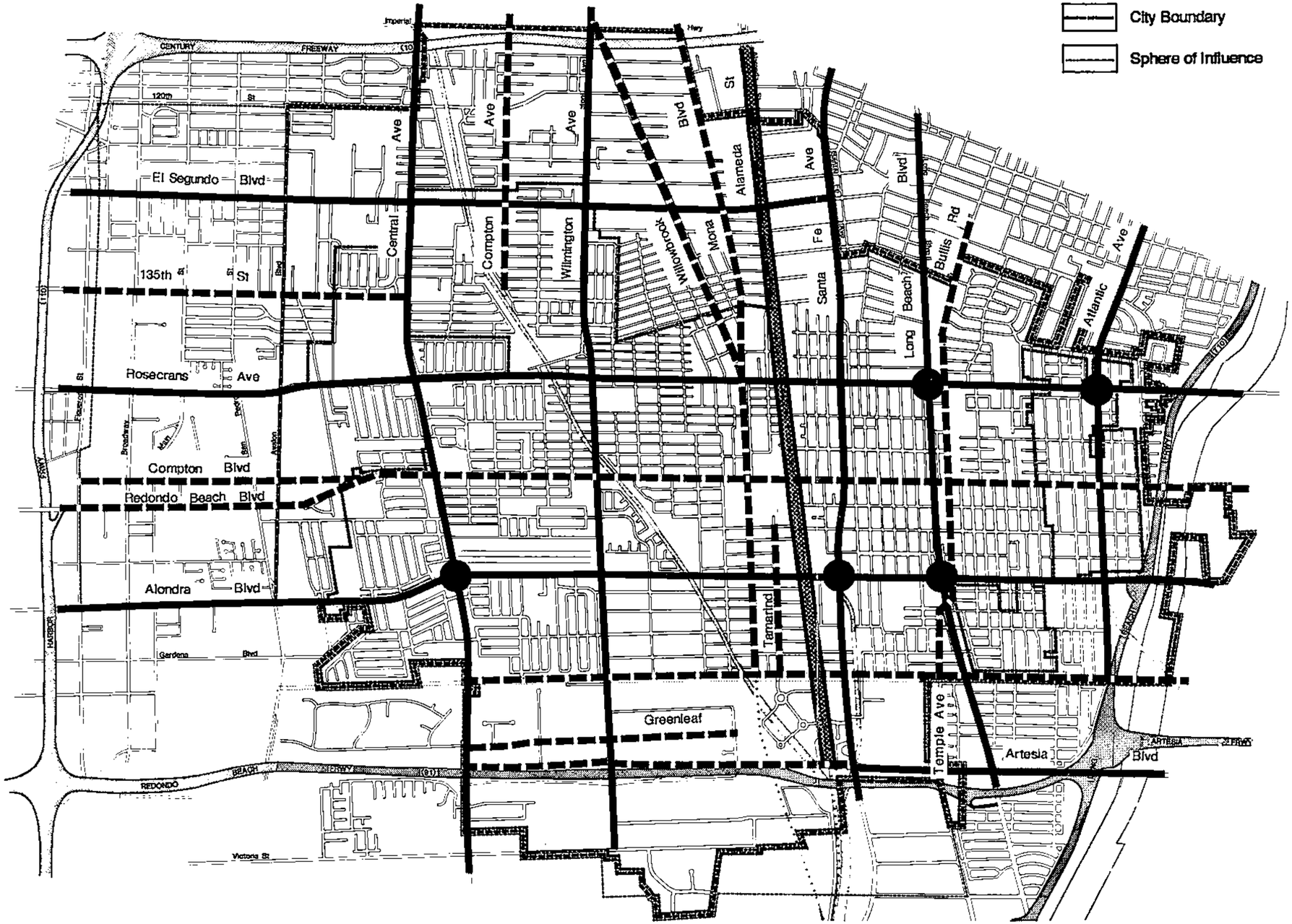
12/3/91

DESIGNATED TRUCK ROUTE

SOURCE: City of Compton

Figure C - 4
Truck Routes

Compton General Plan



12/3/91

MAJOR HIGHWAY

SECONDARY HIGHWAY

COLLECTOR*

SPECIAL STUDY CORRIDOR

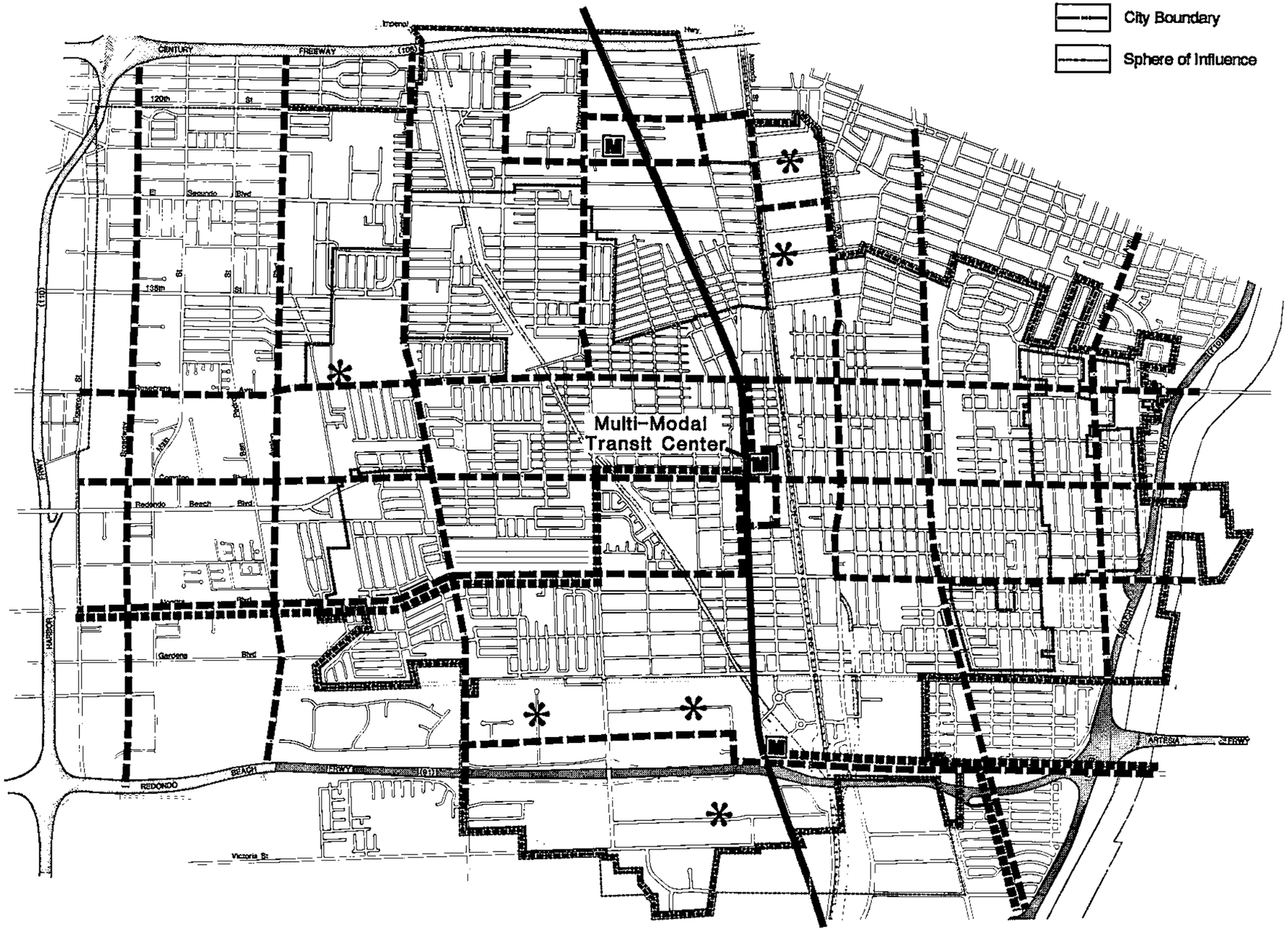
CRITICAL INTERSECTION

* The designation of Collector streets will be the subject of a separate, special study.

SOURCE: City of Compton

Figure C-2
Master Plan of Streets and Highways

Compton General Plan



12/3/91

METRORAIL BLUE LINE PASSENGER RAIL

METRORAIL STATION

REGIONAL BUS LINE (SCRTD)

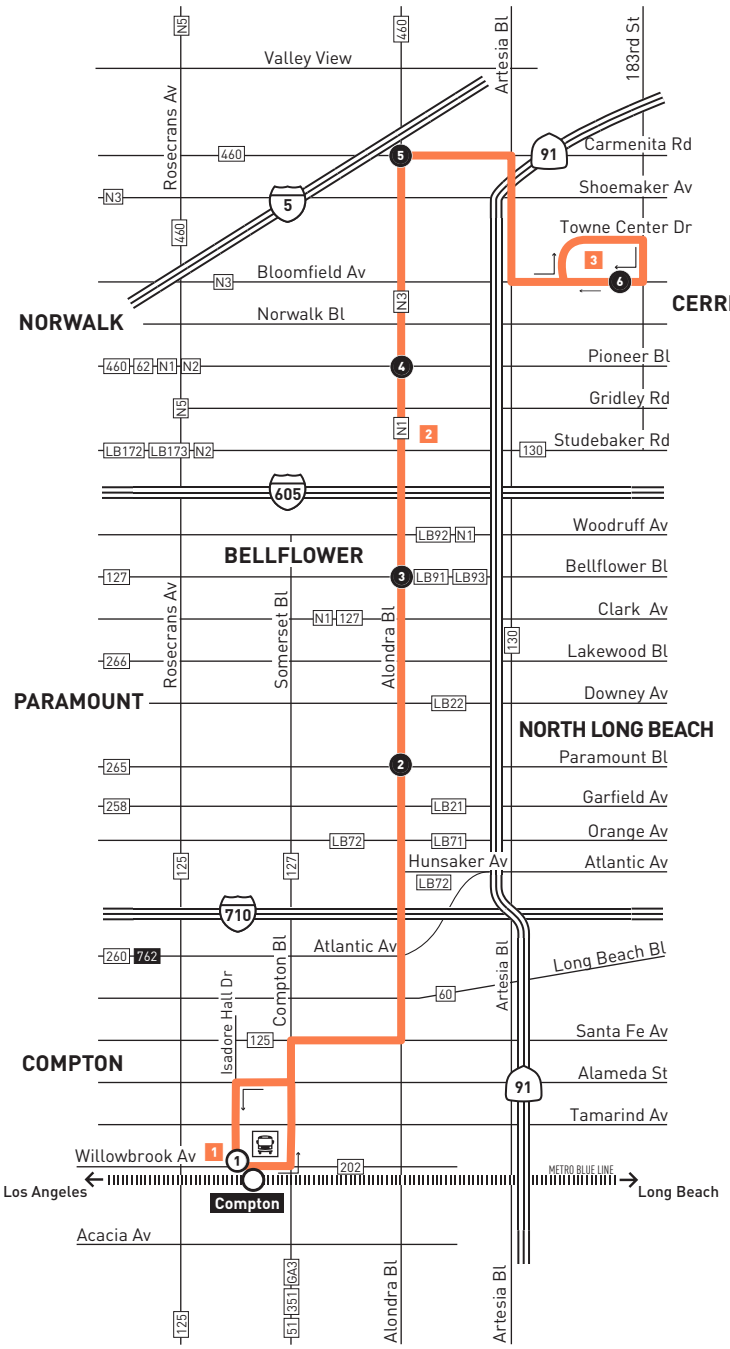
SUBREGIONAL BUS LINE

SHUTTLE SERVICE DESTINATION

SOURCE: SCRTD, City of Gardena
City of Long Beach

Figure C - 3
Public Transit Plan

ROUTE MAP



◀N

LEGEND

━━	Line 128 Route
#	Local Stop Timepoint
▮▮▮▮▮▮	Metro Rail
○	Metro Rail Station
#	Metro Rail Station & Timepoint
	Transit Center
GA	GTrans (Gardena)
LB	Long Beach Transit
N	Norwalk Transit

MAP NOTES

1. **Compton Metro Blue Line Station/ Martin Luther King Jr. Transit Center**
   Metro Blue Line,
   Metro 51, 60 (owl), 125, 127, 128, 351; Compton Renaissance Transit: 1, 2, 3, 4, 5; GA3
2. **Cerritos College**
3. **Cerritos Towne Center**
   128

Saturday,Sunday and Holiday Schedules

No service on Saturday, Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

No hay servicio en sábados, domingo, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Nextrip

Text "metro" and your intersection or stop number to 41411 (example: metro vignes&cesarechavez or metro 1563).
You can also visit m.metro.net or call 511 and say "Nextrip"

Nextrip

Envíe un mensaje de texto con "Metro" y la intersección de la calle o el número de su parada al 41411. Nextrip le enviará un mensaje de texto con la próxima llegada de cada autobús en esa parada. También puede visitar m.metro.net o llamar al 511 y decir "Nextrip"

Monday through Friday

Effective Jun 25 2017

128

Eastbound *Al Este* (Approximate Times/Tiempos Aproximados)

COMPTON	PARAMOUNT	BELLFLOWER	NORWALK	CERRITOS	
1	2	3	4	5	6
Martin Luther King Jr. TC / Compton Station	Alondra & Paramount	Alondra & Bellflower	Alondra & Pioneer	Alondra & Carmenita	Cerritos Towne Center
6:00A	6:23A	6:32A	6:43A	6:50A	7:05A
6:28	6:51	7:00	7:13	7:20	7:35
6:57	7:20	7:30	7:43	7:50	8:05
7:26	7:50	8:00	8:13	8:20	8:35
8:03	8:27	8:37	8:50	8:57	9:11
8:51	9:15	9:25	9:38	9:45	9:59
9:46	10:10	10:20	10:33	10:40	10:54
10:41	11:05	11:15	11:28	11:35	11:49
11:35	11:59	12:10P	12:23P	12:30P	12:44P
12:29P	12:53P	1:04	1:17	1:24	1:38
1:23	1:47	1:58	2:11	2:18	2:32
2:15	2:41	2:52	3:05	3:12	3:26
3:07	3:33	3:45	3:59	4:06	4:20
3:58	4:24	4:36	4:51	4:58	5:12
4:51	5:16	5:28	5:43	5:50	6:04
5:46	6:11	6:21	6:35	6:42	6:56
6:44	7:07	7:16	7:28	7:34	7:47
7:40	8:02	8:10	8:20	8:26	8:39

Monday through Friday

128

Westbound *Al Oeste* (Approximate Times/Tiempos Aproximados)

CERRITOS		NORWALK	BELLFLOWER	PARAMOUNT	COMPTON
6	5	4	3	2	1
Cerritos Towne Center	Alondra & Carmenita	Alondra & Pioneer	Alondra & Bellflower	Alondra & Paramount	Martin Luther King Jr. TC / Compton Station
6:00A	6:10A	6:18A	6:29A	6:37A	6:56A
6:35	6:45	6:53	7:04	7:13	7:35
7:13	7:25	7:33	7:44	7:53	8:14
7:52	8:03	8:12	8:24	8:33	8:54
8:35	8:45	8:54	9:06	9:15	9:36
9:25	9:35	9:44	9:56	10:06	10:27
10:13	10:24	10:33	10:46	10:56	11:17
11:05	11:16	11:25	11:38	11:48	12:09P
11:59	12:10P	12:19P	12:32P	12:42P	1:03
12:53P	1:04	1:13	1:26	1:36	1:57
1:46	1:57	2:06	2:20	2:31	2:54
2:41	2:52	3:01	3:15	3:26	3:49
3:35	3:47	3:56	4:10	4:21	4:43
4:28	4:41	4:51	5:05	5:16	5:38
5:20	5:33	5:43	5:57	6:07	6:27
6:15	6:27	6:35	6:47	6:56	7:14
7:10	7:20	7:27	7:37	7:45	8:03
8:00	8:10	8:17	8:27	8:34	8:52

APPENDIX C

EXISTING TRAFFIC COUNTS

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

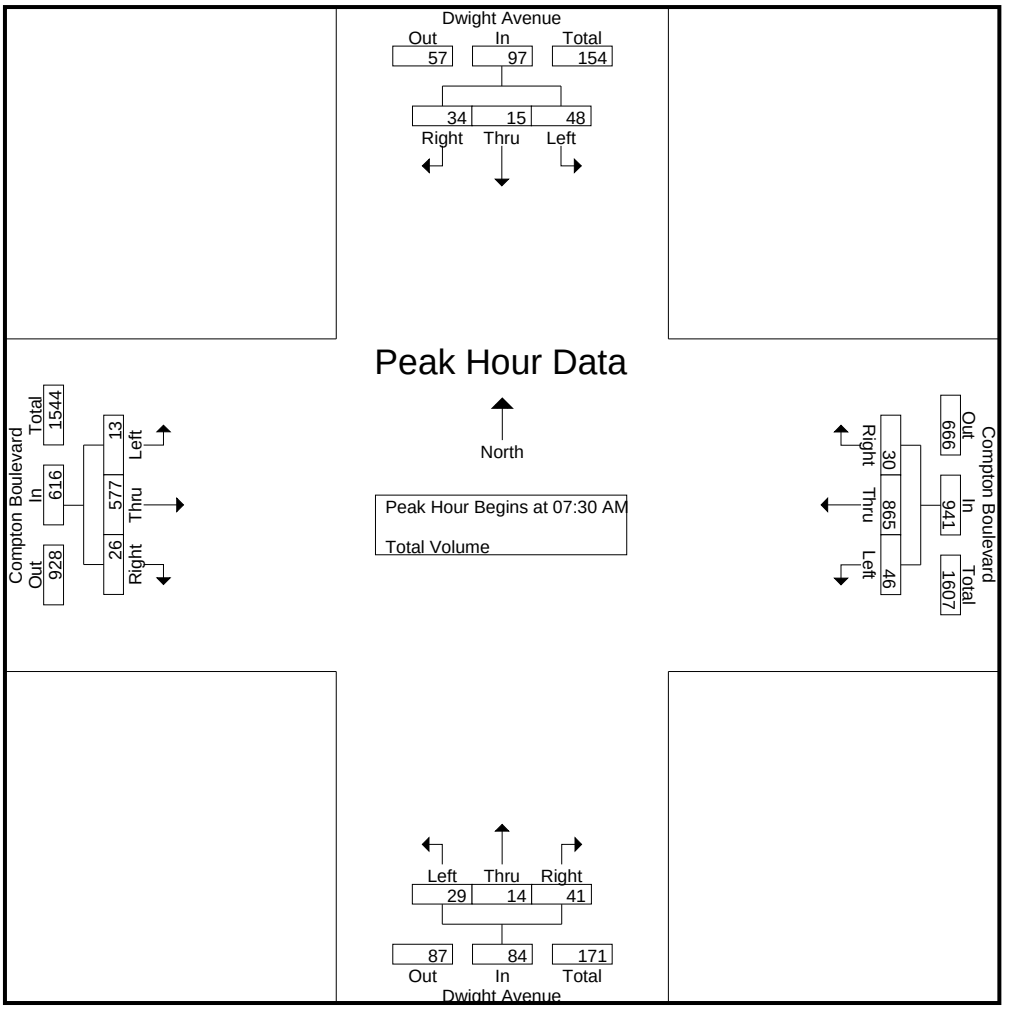
Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	5	0	10	15	3	167	5	175	2	0	7	9	4	82	4	90	289
07:15 AM	7	3	5	15	4	213	6	223	6	0	9	15	4	100	1	105	358
07:30 AM	16	8	14	38	12	223	1	236	5	6	11	22	0	111	7	118	414
07:45 AM	10	3	11	24	18	217	7	242	6	3	12	21	5	161	6	172	459
Total	38	14	40	92	37	820	19	876	19	9	39	67	13	454	18	485	1520
08:00 AM	12	3	4	19	10	211	10	231	11	2	7	20	6	153	7	166	436
08:15 AM	10	1	5	16	6	214	12	232	7	3	11	21	2	152	6	160	429
08:30 AM	6	0	10	16	5	137	5	147	7	1	2	10	5	105	4	114	287
08:45 AM	7	5	2	14	4	184	2	190	5	0	4	9	3	77	1	81	294
Total	35	9	21	65	25	746	29	800	30	6	24	60	16	487	18	521	1446
Grand Total	73	23	61	157	62	1566	48	1676	49	15	63	127	29	941	36	1006	2966
Apprch %	46.5	14.6	38.9		3.7	93.4	2.9		38.6	11.8	49.6		2.9	93.5	3.6		
Total %	2.5	0.8	2.1	5.3	2.1	52.8	1.6	56.5	1.7	0.5	2.1	4.3	1	31.7	1.2	33.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118	414
07:45 AM	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**	**459**
08:00 AM	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166	436
08:15 AM	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160	429
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616	1738
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2		
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895	.947

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118
+15 mins.	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**
+30 mins.	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166
+45 mins.	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2	
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_PM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	14	6	5	25	7	127	8	142	8	3	3	14	14	294	5	313	494
04:15 PM	11	6	3	20	12	155	9	176	5	7	7	19	6	284	12	302	517
04:30 PM	9	2	2	13	7	125	12	144	4	3	6	13	11	254	16	281	451
04:45 PM	14	4	2	20	7	119	14	140	1	8	11	20	9	293	13	315	495
Total	48	18	12	78	33	526	43	602	18	21	27	66	40	1125	46	1211	1957
05:00 PM	13	6	9	28	11	125	16	152	7	8	5	20	12	331	12	355	555
05:15 PM	8	10	1	19	13	143	14	170	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	29	280	18	327	495
05:45 PM	6	2	6	14	7	113	11	131	7	3	3	13	9	250	15	274	432
Total	35	23	17	75	43	487	57	587	23	22	22	67	70	1167	55	1292	2021
Grand Total	83	41	29	153	76	1013	100	1189	41	43	49	133	110	2292	101	2503	3978
Apprch %	54.2	26.8	19		6.4	85.2	8.4		30.8	32.3	36.8		4.4	91.6	4		
Total %	2.1	1	0.7	3.8	1.9	25.5	2.5	29.9	1	1.1	1.2	3.3	2.8	57.6	2.5	62.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	**14**	4	2	20	7	119	14	140	1	**8**	**11**	**20**	9	293	13	315	495
05:00 PM	13	6	**9**	**28**	11	125	**16**	152	**7**	8	5	20	12	**331**	12	**355**	**555**
05:15 PM	8	**10**	1	19	**13**	**143**	14	**170**	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	**29**	280	**18**	327	495
Total Volume	43	25	13	81	43	493	60	596	17	27	30	74	70	1210	53	1333	2084
% App. Total	53.1	30.9	16		7.2	82.7	10.1		23	36.5	40.5		5.3	90.8	4		
PHF	.768	.625	.361	.723	.827	.862	.938	.876	.607	.844	.682	.925	.603	.914	.736	.939	.939

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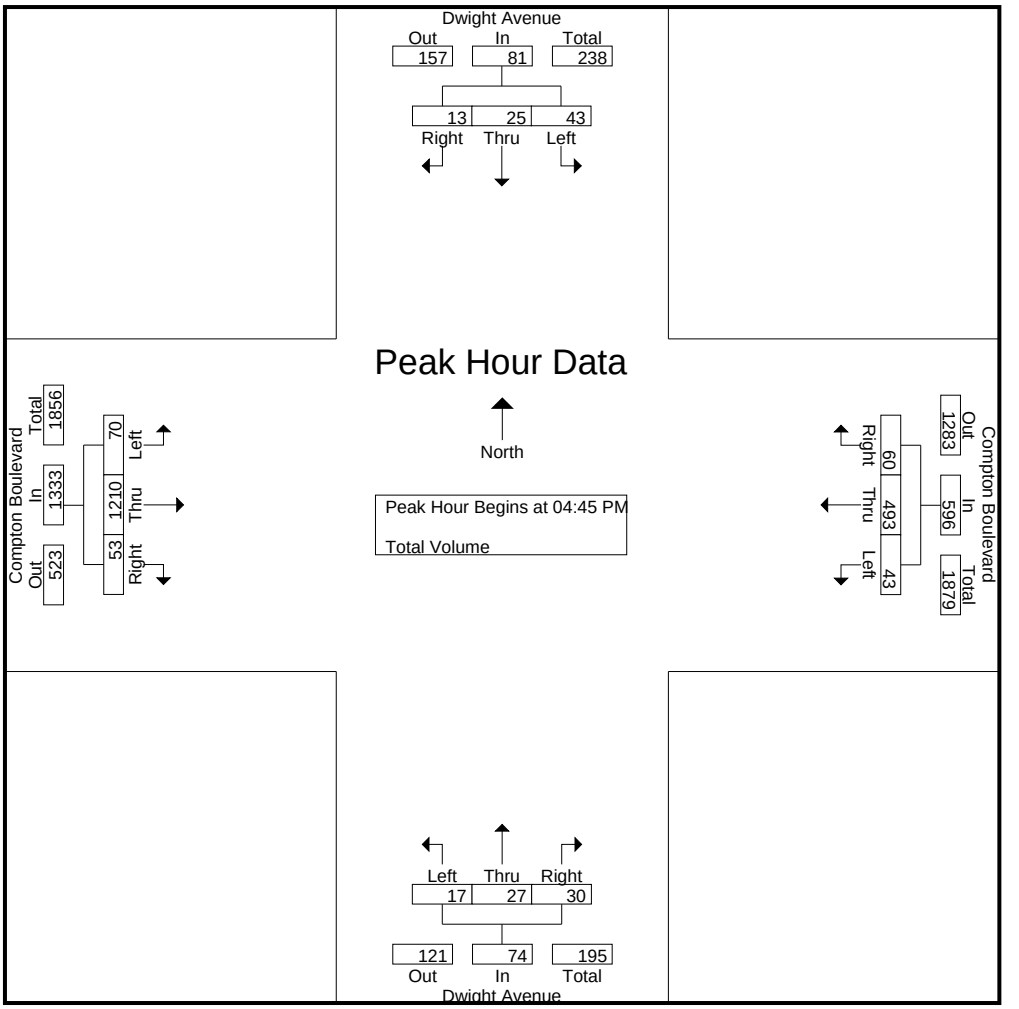
File Name : 01_CPT_Dwight_Compton_PM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM				04:15 PM				04:45 PM				04:45 PM			
+0 mins.	11	**6**	3	20	**12**	**155**	9	**176**	1	**8**	**11**	**20**	9	293	13	315
+15 mins.	9	2	2	13	7	125	12	144	**7**	8	5	20	12	**331**	12	**355**
+30 mins.	**14**	4	2	20	7	119	14	140	3	6	5	14	20	306	10	336
+45 mins.	13	6	**9**	**28**	11	125	**16**	152	6	5	9	20	**29**	280	**18**	327
Total Volume	47	18	16	81	37	524	51	612	17	27	30	74	70	1210	53	1333
% App. Total	58	22.2	19.8		6	85.6	8.3		23	36.5	40.5		5.3	90.8	4	
PHF	.839	.750	.444	.723	.771	.845	.797	.869	.607	.844	.682	.925	.603	.914	.736	.939

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
Wed, Aug 21, 19	LOCATION:	Compton	PROJECT #:	SC	
	NORTH & SOUTH:	Kemp	LOCATION #:	1	
	EAST & WEST:	Compton	CONTROL:	STOP N/S	

NOTES:

Queue EB PM

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Kemp			SOUTHBOUND Kemp			EASTBOUND Compton			WESTBOUND Compton			
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	TOTAL
AM	7:00 AM	3	0	3	5	0	5	1	95	2	3	217	2	336
	7:15 AM	1	0	6	6	0	7	1	139	0	0	240	2	402
	7:30 AM	1	0	8	7	0	17	3	197	1	5	254	3	496
	7:45 AM	1	0	2	3	0	20	1	211	0	4	259	4	505
	8:00 AM	0	0	3	4	0	7	6	166	0	6	234	9	435
	8:15 AM	0	0	0	0	0	7	4	153	0	2	176	3	345
	8:30 AM	0	0	4	1	0	1	3	127	0	5	174	4	319
	8:45 AM	1	1	2	1	0	6	2	132	1	2	132	4	284
	VOLUMES	7	1	28	27	0	70	21	1,220	4	27	1,686	31	3,122
	APPROACH %	19%	3%	78%	28%	0%	72%	2%	98%	0%	2%	97%	2%	
	APP/DEPART	36	/	51	97	/	27	1,245	/	1,279	1,744	/	1,765	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	3	0	19	20	0	51	11	713	1	15	987	18	1,838
	APPROACH %	14%	0%	86%	28%	0%	72%	2%	98%	0%	1%	97%	2%	
	PEAK HR FACTOR		0.611			0.740			0.855			0.955		0.910
	APP/DEPART	22	/	28	71	/	15	725	/	753	1,020	/	1,042	0
PM	4:00 PM	0	0	4	0	1	3	5	273	1	3	140	5	435
	4:15 PM	0	1	4	3	0	8	7	241	1	4	176	5	450
	4:30 PM	1	0	1	3	0	6	9	289	0	2	153	12	476
	4:45 PM	0	0	2	2	0	3	11	294	0	4	144	4	464
	5:00 PM	0	0	4	1	0	3	5	306	3	5	141	12	480
	5:15 PM	0	0	7	2	0	5	3	301	2	1	129	6	456
	5:30 PM	0	0	3	0	0	3	4	312	1	0	149	1	473
	5:45 PM	0	0	4	2	1	3	10	288	4	0	122	4	438
	VOLUMES	1	1	29	13	2	34	54	2,304	12	19	1,154	49	3,672
	APPROACH %	3%	3%	94%	27%	4%	69%	2%	97%	1%	2%	94%	4%	
	APP/DEPART	31	/	101	49	/	31	2,370	/	2,348	1,222	/	1,192	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	1	0	14	8	0	17	28	1,190	5	12	567	34	1,876
	APPROACH %	7%	0%	93%	32%	0%	68%	2%	97%	0%	2%	92%	6%	
	PEAK HR FACTOR		0.536			0.694			0.974			0.918		0.977
	APP/DEPART	15	/	59	25	/	16	1,223	/	1,213	613	/	588	0

APPENDIX D

ICU ANALYSIS WORKSHEETS

EXISTING CONDITIONS

Compton & Kemp Residential TIA
Existing Conditions
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.490
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	14	41	48	15	34	13	577	26	46	865	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	31	15	43	51	16	36	14	607	27	48	911	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	15	43	51	16	36	14	607	27	48	911	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	15	43	51	16	36	14	607	27	48	911	32
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.06	0.06	0.01	0.20	0.20	0.03	0.29	0.29
Crit Moves:		****			****			****			****	

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Compton & Kemp Residential TIA
Existing Conditions
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.626
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	27	30	43	25	13	70	1210	53	43	493	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	18	29	32	46	27	14	74	1287	56	46	524	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	29	32	46	27	14	74	1287	56	46	524	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	18	29	32	46	27	14	74	1287	56	46	524	64
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.05	0.05	0.05	0.42	0.42	0.03	0.18	0.18
Crit Moves:		****		****				****		****		

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PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS

Compton & Kemp Residential TIA
Project Opening Yea (2021) Without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.501
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0 1! 0	0	0	0 1! 0	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	30	15	43	50	16	35	14	600	27	48	900	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	32	15	45	53	16	37	14	632	28	50	947	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	15	45	53	16	37	14	632	28	50	947	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	32	15	45	53	16	37	14	632	28	50	947	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
OPening Year (2021) Without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.648
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	28	31	45	26	14	73	1259	55	45	513	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	19	30	33	48	28	14	77	1339	59	48	546	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	30	33	48	28	14	77	1339	59	48	546	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	30	33	48	28	14	77	1339	59	48	546	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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PROJECT OPENING YEAR WITH PROJECT CONDITIONS

Compton & Kemp Residential TIA
Opening Year (2021) With Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.505
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	0	1	0 1	1	0	1 1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	5	0	3	0	0	0	0	1	2	1	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	15	46	50	16	35	14	601	29	49	901	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	37	15	48	53	16	37	14	633	31	51	948	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	15	48	53	16	37	14	633	31	51	948	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	37	15	48	53	16	37	14	633	31	51	948	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.37	0.15	0.48	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	590	244	766	792	247	561	1600	3053	147	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
Opening Year (2021) With Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.656
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	4	0	2	0	0	0	0	2	6	3	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	28	33	45	26	14	73	1261	61	48	514	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	23	30	35	48	28	14	77	1341	65	51	547	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	30	35	48	28	14	77	1341	65	51	547	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	30	35	48	28	14	77	1341	65	51	547	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.26	0.34	0.40	0.53	0.31	0.16	1.00	1.91	0.09	1.00	1.78	0.22
Final Sat.:	418	542	640	849	494	257	1600	3052	148	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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APPENDIX E

PARKING DATA

Compton Parking Survey
Wednesday June 19th, 2019

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Subtotal	**19**	**8**	**9**	**9**	**7**	**5**	**7**	**7**	**7**	**6**	**6**	**6**	**6**	**4**	**5**	**5**	**5**	**4**
	Total Occupancy	19	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Total Percent		**42%**	**47%**	**47%**	**37%**	**26%**	**37%**	**37%**	**37%**	**32%**	**32%**	**32%**	**32%**	**21%**	**26%**	**26%**	**26%**	**21%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	Construction	0	0	0	0	3	3	4	4	4	4	4	5	5	5	5
	West Side of Street	**9**	Construction	Construction	5	4	4	7	8	9	9	9	9	9	9	9	9	9	9
	Subtotal	**16**	**0**	**0**	**5**	**4**	**4**	**7**	**11**	**12**	**13**	**13**	**13**	**13**	**13**	**14**	**14**	**14**	**14**
	Total Occupancy	16	0	0	5	4	4	7	11	12	13	13	13	13	13	14	14	14	14
	Total Percent		**0%**	**0%**	**31%**	**25%**	**25%**	**44%**	**69%**	**75%**	**81%**	**81%**	**81%**	**81%**	**81%**	**88%**	**88%**	**88%**	**88%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	17	18	17	18	19	20	20	17	19	19	20	20	21	21	21	21
	South Side of Street	**21**	13	14	14	14	13	15	14	16	17	17	16	18	18	18	17	17	18
	Subtotal	**46**	**28**	**31**	**32**	**31**	**31**	**34**	**34**	**36**	**34**	**36**	**35**	**38**	**38**	**39**	**38**	**38**	**39**
	Total Occupancy	46	28	31	32	31	31	34	34	36	34	36	35	38	38	39	38	38	39
	Total Percent		**61%**	**67%**	**70%**	**67%**	**67%**	**74%**	**74%**	**78%**	**74%**	**78%**	**76%**	**83%**	**83%**	**85%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	West Side of Street	**5**	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
	Subtotal	**13**	**3**	**3**	**4**	**5**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**4**	**3**	**4**	**4**	**4**	**4**
	Total Occupancy	13	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	Total Percent		**23%**	**23%**	**31%**	**38%**	**15%**	**15%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**23%**	**31%**	**31%**	**31%**	**31%**

	Grand Total Occupancy	94	39	43	50	47	42	50	54	57	56	58	57	61	58	62	61	61	61
	Grand Total Percent		**41%**	**46%**	**53%**	**50%**	**45%**	**53%**	**57%**	**61%**	**60%**	**62%**	**61%**	**65%**	**62%**	**66%**	**65%**	**65%**	**65%**

Counts Unlimited, Inc.
P.O. Box 1178
Corona, CA 92878
951-268-6268

APPENDIX F

SIGNAL WARRANT ANALYSIS WORKSHEETS

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: AM

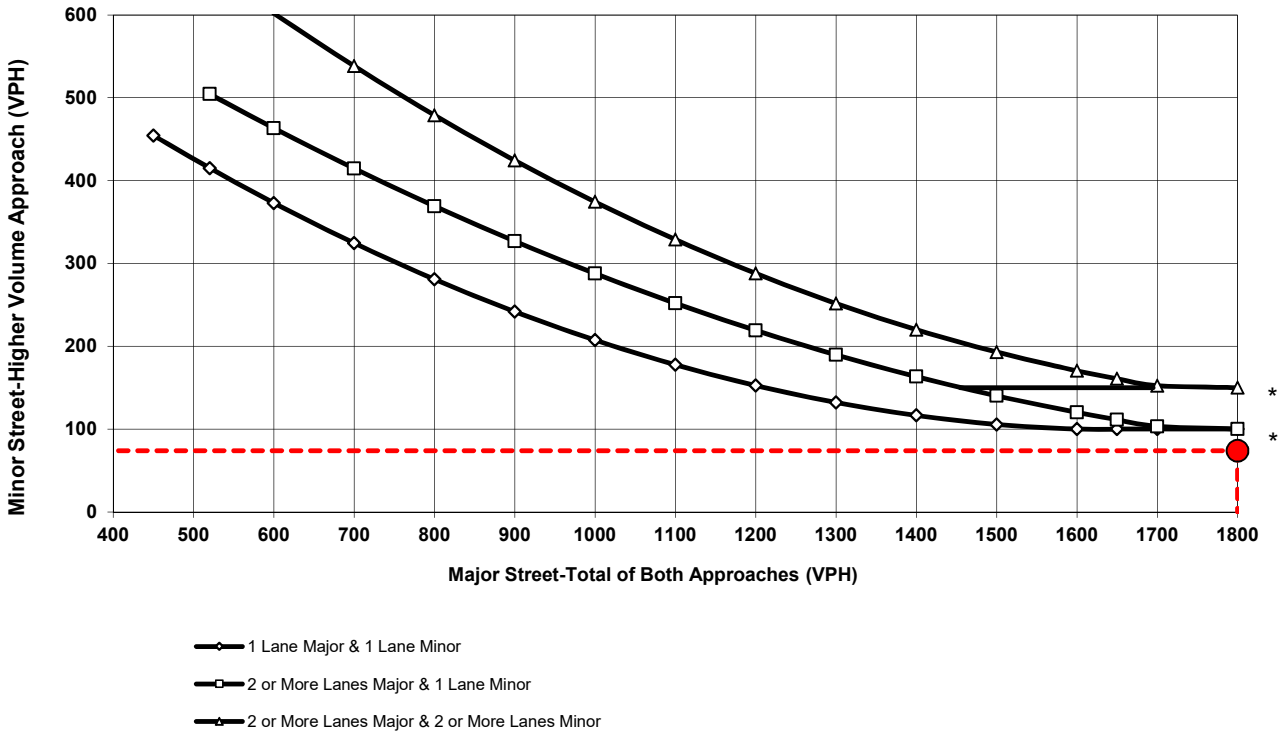
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1822	Higher Volume Approach (VPH):	74
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: PM

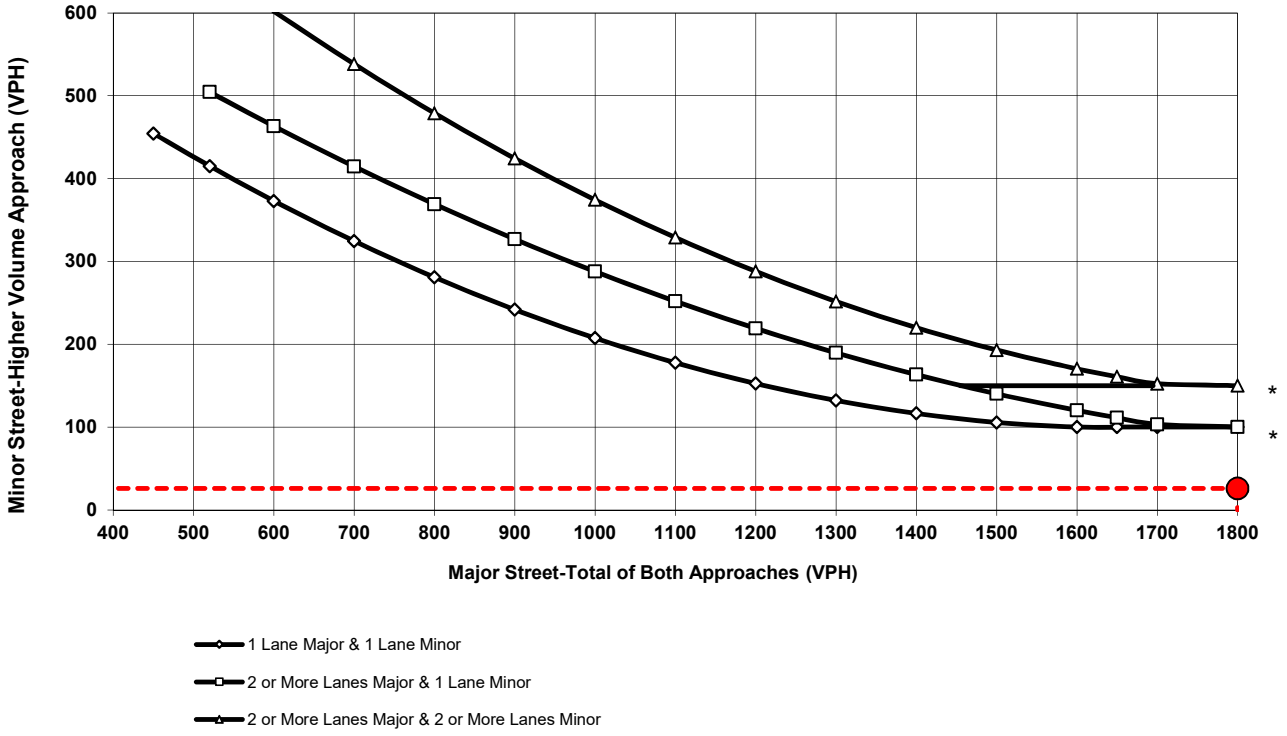
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1920	Higher Volume Approach (VPH):	26
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

Project Opening Year With Project Conditions
PM Peak Hour Volume Warrant
Compton Boulevard/Kemp Avenue

Compton & Kemp Residential
Traffic Impact Analysis
City of Compton, California

Prepared for:
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92618

Prepared by:
TJW ENGINEERING, INC.
6 Venture, Suite 225
Irvine, CA 92618

September 24, 2019

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING CONSULTANTS

September 24, 2019

Ms. Kim Prijatel
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Subject: Traffic & Parking Analysis: Compton & Kemp Residential Project, City of Compton

Dear Ms. Prijatel:

TJW ENGINEERING, INC. (TJW) is pleased to present you with this revised traffic impact analysis for the proposed **Compton & Kemp Residential** project in the City of Compton.

This traffic study has been prepared to meet the traffic study requirements for the City of Compton and address comments provided on the draft report by City staff on August 8, 2019. This report is being submitted to you for review and forwarding to the City of Compton.

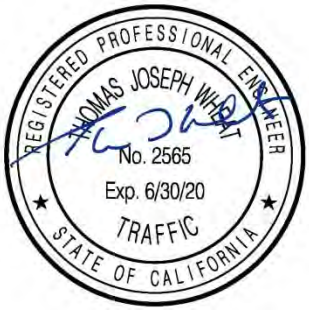
Please contact us at (949) 878-3509 if you have any questions regarding this analysis.

Sincerely,

Thomas Wheat, PE, TE
President

Jeff Weckstein
Transportation Planner

Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*



COMPTON & KEMP RESIDENTIAL PROJECT
TRAFFIC IMPACT ANALYSIS
City of Compton

Prepared for:

CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Prepared by:

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

6 Venture, Suite 225
Irvine, CA 92618
Thomas Wheat, PE, TE
Jeffrey Weckstein

September 24, 2019
JN: CVR-19-001

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.....

1.0 EXECUTIVE SUMMARY

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site, located at 930 West Compton Boulevard, is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

The following signalized intersection in the vicinity of the project site has been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff.

- Dwight Avenue [runs north-south (NS)] at Compton Boulevard [runs east-west (EW)].

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

1.1 SUMMARY OF ANALYSIS RESULTS

No significant impacts are projected in the study area as a result of the proposed project, based on the City of Compton's thresholds of significance. Therefore, the proposed project should not be responsible for implementing any off-site improvements, except for improvements related to the project driveways.

The study intersection is projected to operate at an acceptable LOS (LOS D or better) for all analysis scenarios.

The proposed project will result in the loss of 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue based on California Manual on Uniform Traffic Control Devices (CA MUTCD) guidelines for urban driveways. There would still remain adequate on-street parking capacity on the streets adjacent to the proposed project site. The proposed project satisfies minimum off-street parking requirements.

2.0 INTRODUCTION

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

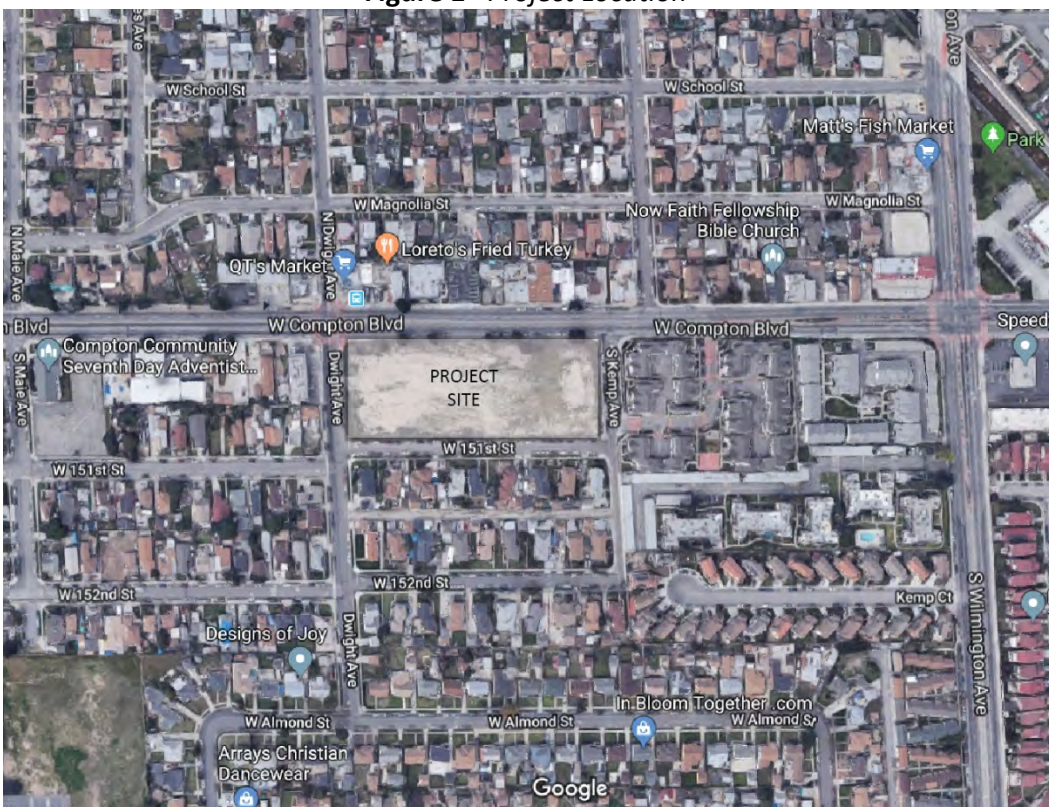
2.1 PROJECT DESCRIPTION

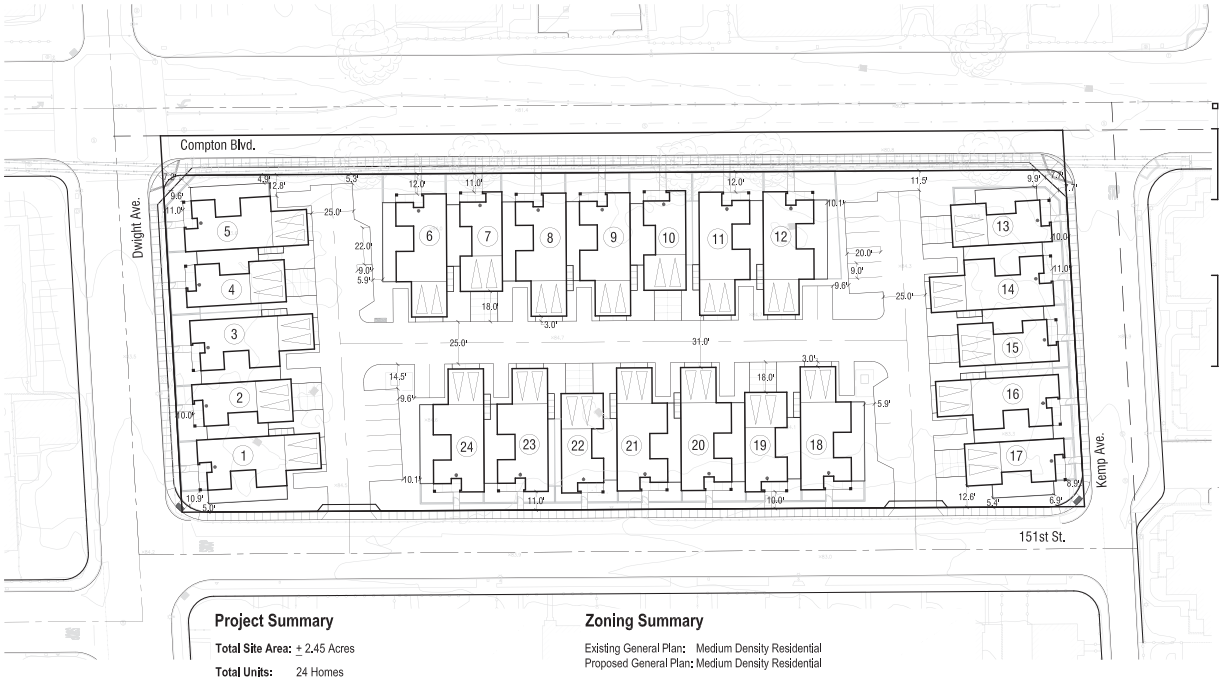
The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

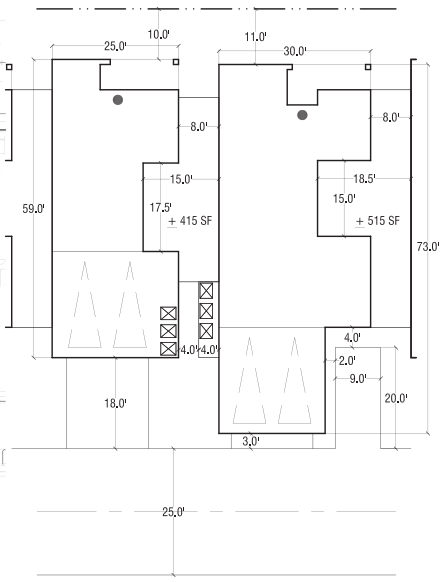
The proposed project is anticipated to be built and generating trips in 2021.

Figure 1 shows the project site location. ***Exhibit 1*** shows the proposed project site plan.

Figure 1– *Project Location*







Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (9) Plan 1: ± 1,900 SF
- (15) Plan 2: ± 2,500 SF

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 99 Spaces (4.12 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 18 Spaces (2 space/drive)
- Head In: 29 Spaces (9' x 20')
- Parallel: 4 Spaces (9' x 22')

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
Compton Blvd: 7'-8" to building
Dwight Ave: 9'-6" to building
Kemp Ave: 7'-8" to building
151st St: 8'-10"' to building

Building Separation: 8'

Max. Building Height: 35'

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

Conceptual Site Plan

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

SP-1

0 15 30 60

CITY SUBMITTAL

© 2019 WILLIAM HEZMALHALCH ARCHITECTS, INC. DBA WHA. | 2013039 | 08-19-19

City Ventures

ARCHITECTS , PLANNERS , DESIGNERS
WHA.
ORANGE COUNTY , LOS ANGELES , BAY AREA

Exhibit 1: Compton & Kemp Conceptual Site Plan

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

2.2 STUDY AREA

The following intersection in the vicinity of the project site have been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff. The scoping letter and City response is provided in ***Appendix A.***

- Dwight Avenue (NS) at Compton Boulevard (EW)

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

Exhibit 2 shows the location of the study intersections, which are analyzed for the following study scenarios:

- Existing Conditions;
- Project Opening Year (2021) Without Project Conditions; and
- Project Opening Year (2021) With Project Conditions.

Traffic operations are evaluated for the following time periods:

- Weekday AM Peak Hour occurring within 7:00 AM to 9:00 AM; and
- Weekday PM Peak Hour occurring within 4:00 PM to 6:00 PM.

2.3 ANALYSIS METHODOLOGY

Level of Service (LOS) is commonly used to describe the quality of flow on roadways and at intersections using a range of LOS from LOS A (free flow with little congestion) to LOS F (severely congested conditions). The City of Compton and Los Angeles County utilize the Intersection Capacity Utilization (ICU) methodology for signalized intersection analysis. The ICU methodology expresses the LOS of an intersection in terms of the remaining capacity at an intersection (or lack thereof). The ICU methodology compares the volume-to-capacity (V/C) ratios of conflicting turn movements at an intersection, sums the critical conflicting V/C ratios for each intersection approach, and determines the intersection's overall capacity utilization. The resulting V/C ratio is converted to an LOS as shown in ***Table 1***.

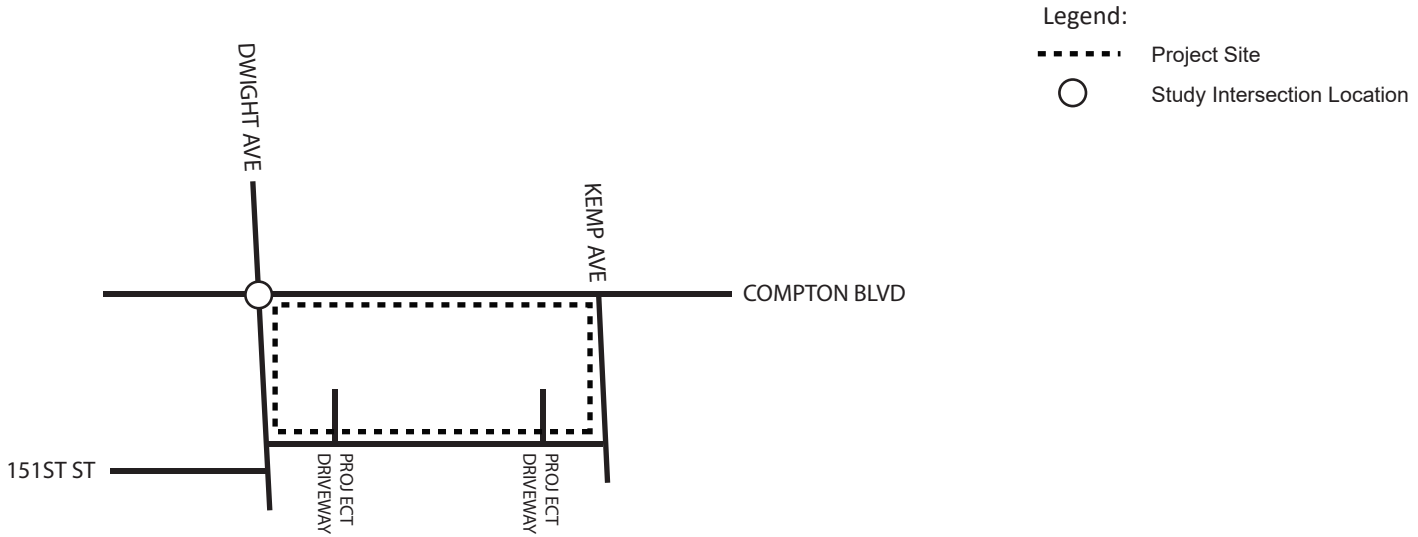


Exhibit 2: Study Intersection Locations

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 1
LOS & V/C Ranges

Level of Service	Volume to Capacity Ratio	Description
A	0.000 – 0.600	Free Flow: No approach phase is fully utilized and no vehicle waits longer than one cycle
B	0.601 – 0.700	Stable Flow: An occasional approach phase is fully utilized. Some drivers feel restricted in platoons.
C	0.701 – 0.800	Stable Flow: Major approach phases fully utilized. Most drivers feel restricted in platoons.
D	0.801 – 0.900	Tolerable Delays: Drivers may have to wait more than one cycle on occasion. Queues develop but dissipate rapidly and without excessive delays.
E	0.901 – 1.000	Unstable Operations: Volumes at or near capacity. Vehicles may wait several signal cycles. Long queues form upstream from intersection.
F	>1.000	Excessive Delays: Traffic flow breaks down, representing jammed conditions. Intersection operates below capacity. Queues may block upstream intersections.

This study utilizes a 1,900 vehicle per lane per hour saturation flow rate and a clearance interval of ten percent for the ICU analysis.

2.4 PERFORMANCE CRITERIA

The City of Compton has established level of service "D" or better as acceptable LOS for all intersections along the designated street and highway system in the General Plan Circulation Element.

2.5 THRESHOLDS OF SIGNIFICANCE

According to California Environmental Quality Act (CEQA) guidelines, a project is considered to cause a significant impact to a transportation system if it:

- Conflict with program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
- Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?[1]
- Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- Result in inadequate emergency access?

For the purposes of analyzing CEQA impacts, the City of Compton utilizes the following Los Angeles County thresholds of significant to identify significant transportation impacts:

[1]CEQA Guidelines section 15064.3(c) provides that a lead agency "may elect to be governed by the provisions" of the section immediately; otherwise, the section's provisions apply July 1, 2020. Here, the City has not elected to be governed by Section 15064.3. Accordingly, an analysis of vehicles miles traveled (VMT) is not necessary to determine whether a proposed project will have a significant transportation impact.

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

3.0 Existing Conditions

3.1 EXISTING CIRCULATION NETWORK/STUDY AREA CONDITIONS

The characteristics of the roadway system in the vicinity of the proposed project site are described in ***Table 2.***

Table 2
Roadway Characteristics Within Study Area

Roadway	Classification[1]	Direction	Existing Travel Lanes	Median Type	Speed Limit (mph)	On-Street Parking
Compton Boulevard	Secondary Highway	East-West	4	None	35	Yes
Dwight Avenue	Local Street	North-South	2	None	25	Yes
Kemp Avenue	Local Street	North-South	2	None	25	Yes
151st Street	Local Street	East-West	2	None	25	Yes

1: Sources: City of Compton General Plan Circulation Element

Exhibit 3 shows existing conditions study area intersection and roadway geometry.

3.2 CITY OF COMPTON GENERAL PLAN CIRCULATION ELEMENT

The proposed project site is located within the City of Compton. ***Appendix B*** contains the current Compton General Plan Circulation Element future transportation network and roadway classifications.

3.3 EXISTING BICYCLE AND PEDESTRIAN FACILITIES

There are no bicycle lanes on study area roadways. Sidewalks and curb ramps at intersections are present in the study area, except on the east side of Dwight Avenue along the project's frontage and on the north side of 151st Street along the project's frontage, where they are absent.

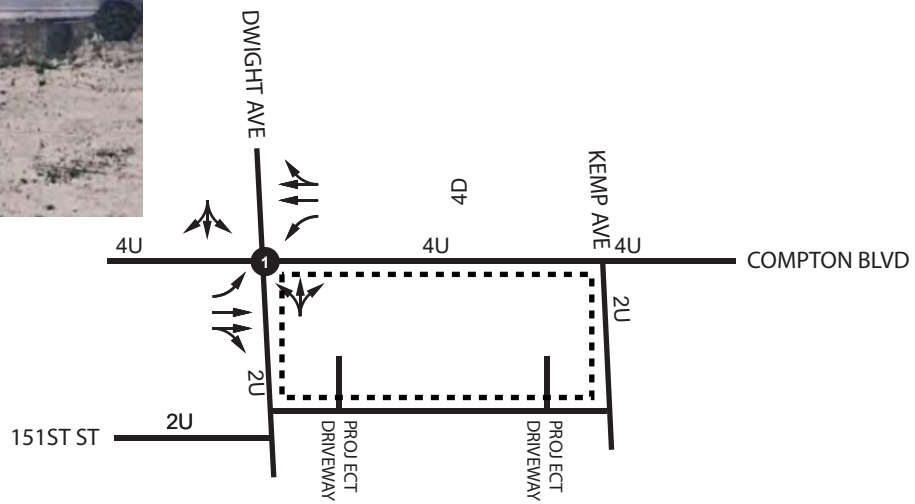
The proposed project is consistent with the City of Compton Bicycle Master Plan (May, 2015).

Appendix B contains Compton General Plan Circulation Element Bikeway Plan.

3.4 EXISTING PUBLIC TRANSIT SERVICES

The City of Compton is served by Los Angeles Metro which provides bus service throughout Los Angeles County. ***Figure 2*** shows the Metro routes in the vicinity of the City of Compton. Additionally, the Compton Renaissance Transit System provides limited local service within the City of Compton.

Source: Google Earth, 2019



Legend:

- Existing Lane
- Signal-Controlled Intersection
- 2U 2-lane Undivided Roadway
- 4U 4-lane Undivided Roadway
- Project Site

Exhibit 3: Existing Lane Geometry & Intersection Control

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Figure 2– *LA Metro Transit Routes*

There is one bus route within one-quarter mile of the proposed project site.

Metro Route 51/351 travels between the Wilshire/Vermont Purple Lane Station to the Compton Transit Center. In the vicinity of the proposed project, Route 51/351 runs along Compton Boulevard with a stop at the Compton Boulevard/Dwight Avenue intersection adjacent to the project site. Route 51/351 runs from 5:00 AM to 10:00 PM on weekdays with headways of 20-35 minutes and on weekends with 30-45 minute headways.

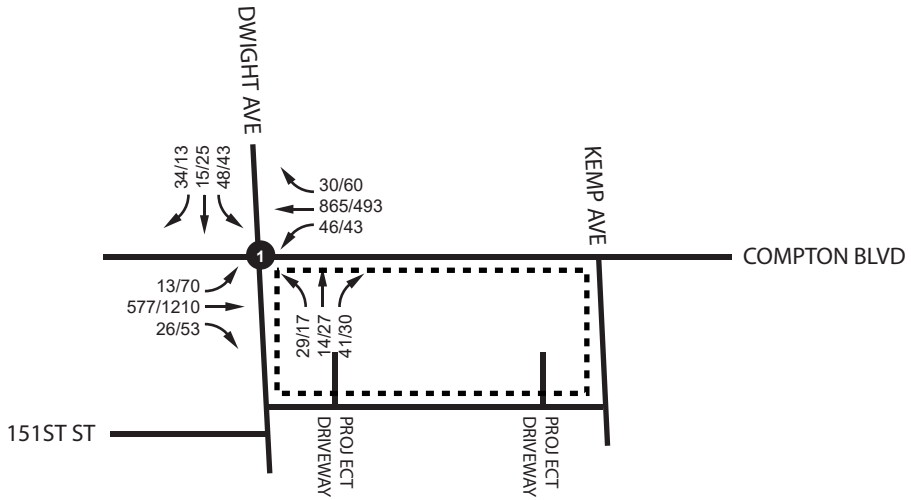
3.5 EXISTING TRAFFIC VOLUMES

To determine the existing operation of the study intersection, AM and PM peak period traffic counts at the study intersections were collected on Thursday June 6th, 2019. The traffic volumes used in this analysis are from the highest hour within the peak period counted. Detailed traffic count data is provided in ***Appendix C***.

Exhibit 4 shows existing AM and PM peak hour volumes at the study intersection.

3.6 EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS

Existing conditions AM and PM peak hour intersection analysis is shown in ***Table 3***. Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 4: Existing AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 3
Intersection Analysis – Existing Conditions

Intersection	Control Type	Peak Hour	Existing Conditions
			V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A
		PM	0.626 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 3***, the study intersection is currently operating at an acceptable LOS (LOS B or better) during the AM and PM peak hours.

4.0 Proposed Project

4.1 Project Description

The proposed project is bound by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

Exhibit 1 previously showed the proposed site plans for the proposed project.

4.2 Project Trip Generation

Trip generation represents the amount of traffic, both inbound and outbound, produced by a development. Determining trip generation for a proposed project is based on projecting the amount of traffic that the specific land uses being proposed will produce.

Industry standard *Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition, 2017)* trip generation rates were used to determine trip generation of the proposed project.

Table 4 shows the ITE 10th Edition trip generation rates used to calculate forecast trip generation of the proposed project.

Table 4
Trip Generation Rates for Proposed Project Land Use

Land Use (ITE Code)	Unit	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
Single Family Residential (210)	DU	0.185	0.555	0.74	0.624	0.366	0.99	9.44

Note: DU = Dwelling Unit
Source: ITE Trip Generation, 10th Edition (2017).

Table 5 shows the projected increase in trip generation resulting from the proposed project.

Table 5
Trip Generation of Proposed Project

Land Use	Quantity	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
24 Single - Family Dwelling Units	24 DU	5	13	18	15	9	24	227

Note: DU = Dwelling Unit

As shown in ***Table 5,*** the proposed project is forecast to generate approximately 18 AM peak hour trips, 24 PM peak hour trips and 227 daily trips.

4.3 Project Trip Distribution

Projecting trip distribution involves the process of identifying probable destinations and traffic routes that will be utilized by the proposed project's traffic. The potential interaction between the proposed land use and surrounding regional access routes are considered to identify the probable routes onto which project traffic would distribute. The projected trip distribution for the proposed project is based on anticipated travel patterns to and from the project site.

Exhibit 5 shows the projected trip distribution of proposed project trips.

4.4 Modal Split

The traffic reducing potential of public transit, walking and bicycling have not been considered in this analysis since transit facilities in the study area are limited.

4.5 Project Trip Assignment

Exhibit 6 shows the corresponding projected AM/PM peak hour trip assignment of project trips.

4.6 Traffic Management Plan

Stop signs will be installed at the project driveways for vehicles exiting the project site onto 151st street. Fire access will not be needed, in case of fires the fire department will fight the fires from outside the development. No parking signs will be posted throughout the site as needed or required by City standards.

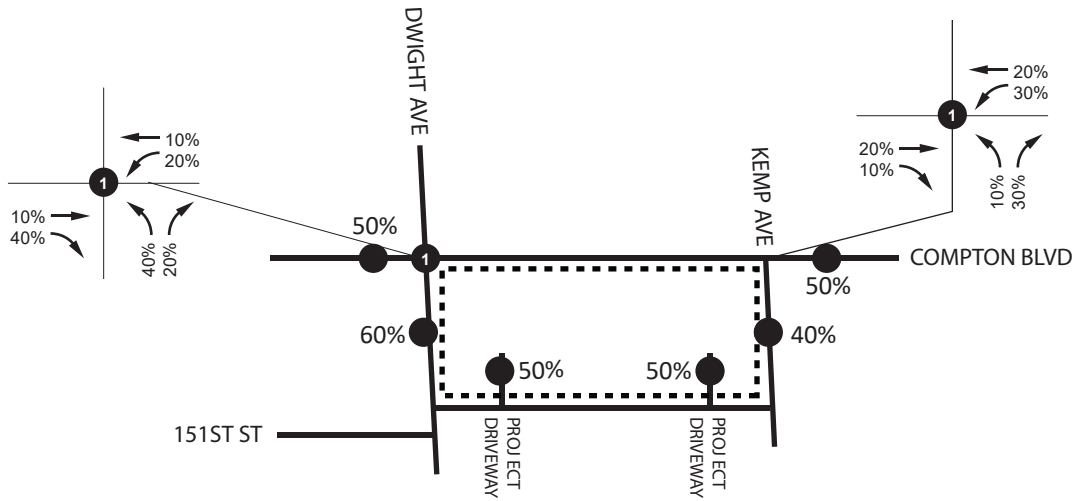
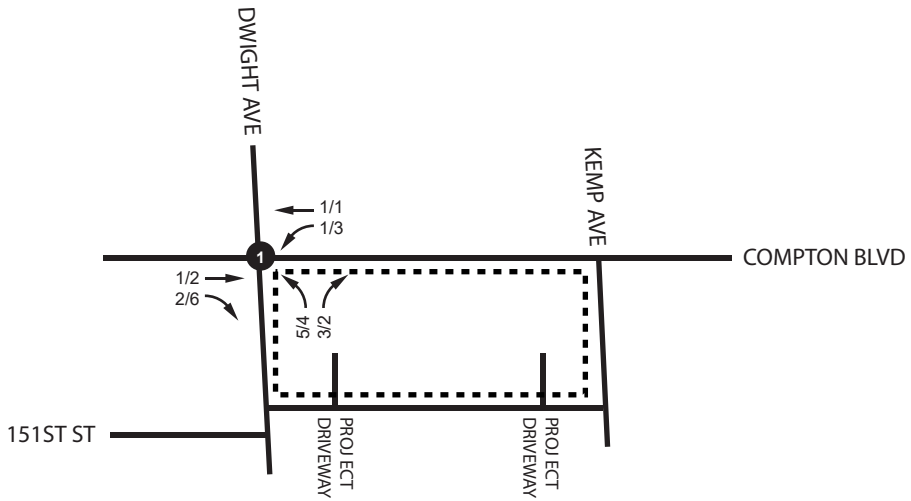


Exhibit 5: Projected Trip Distribution of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale



Legend:

XX/XX AM/PM Peak Hour Trip Assignment

Project Site

Exhibit 6: Projected Trip Assignment of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

5.0 Project Opening Year Without Project Conditions

5.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year without project* scenario are consistent with those previously shown in ***Exhibit 3***.

5.2 PROJECT OPENING YEAR WITHOUT PROJECT TRAFFIC VOLUMES

Project Opening Year Without Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year Without Project Volumes = (Existing (2019) Counts * 1.02^2)

Exhibit 7 shows *project opening year without project* AM and PM peak hour volumes at the study intersections.

5.3 PROJECT OPENING YEAR WITHOUT PROJECT LEVEL OF SERVICE ANALYSIS

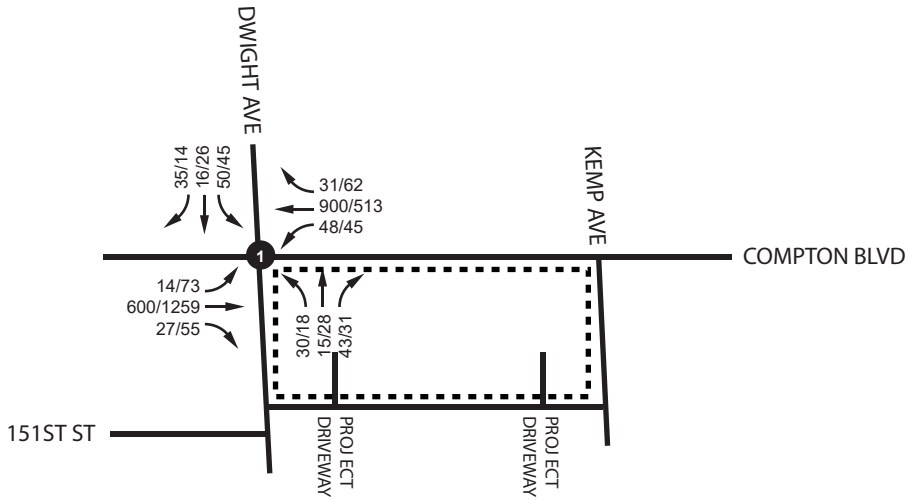
Project opening year without project conditions AM and PM peak hour intersection analysis is shown in ***Table 6.*** Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.

Table 6
Intersection Analysis – Project Opening Year Without Project Conditions

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project
			V/C – LOS	V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A	0.501 – A
		PM	0.626 – B	0.648 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 6***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) during the AM and PM peak hours for *project opening year without project conditions.*



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 7: Project Opening Year
Without Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

6.0 Project Opening Year With Project Conditions

Project opening year with project conditions analysis is intended to identify the project-related impacts on the existing circulation system.

6.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year with project* scenario are consistent with those previously shown in **Exhibit 3**.

6.2 PROJECT OPENING YEAR WITH PROJECT TRAFFIC VOLUMES

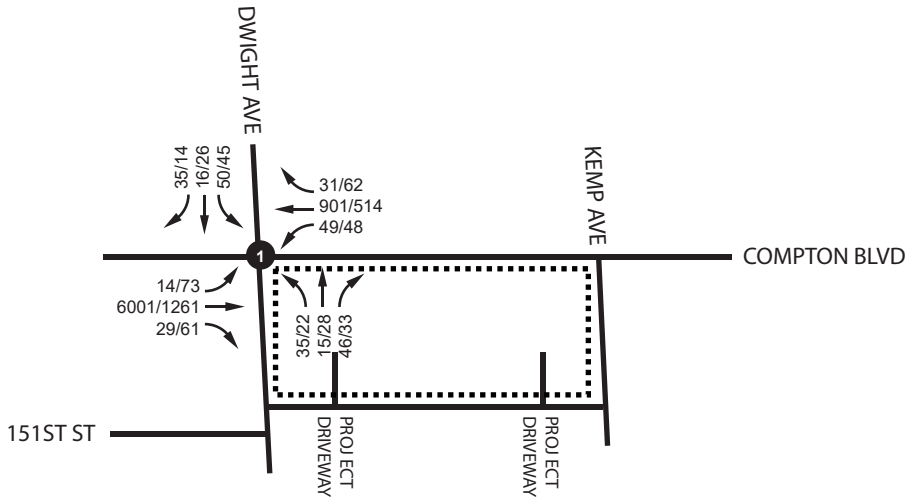
Project Opening Year With Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021, plus project trips. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year With Project Volumes = (Existing (2019) Counts * 1.02^2) + Project Traffic

Exhibit 8 shows *project opening year with project* AM and PM peak hour volumes at the study intersection.

6.3 PROJECT OPENING YEAR WITH PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS

Project opening year with project conditions AM and PM peak hour intersection analysis is shown in ***Table 7***. ICU analysis sheets are provided in ***Appendix D.***



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 8: Project Opening Year
With Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 7
Intersection Analysis – Project Opening Year With Project

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project	Project Opening Year With Project		
			V/C – LOS	V/C – LOS	V/C – LOS	Change in V/C	Significant Impact?
Dwight Avenue/Compton Boulevard	Signal	AM PM	0.490 – A 0.626 – B	0.501 – A 0.648 – B	0.505 – A 0.656 – B	0.004 0.008	No

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 7***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) for *project opening year with project* conditions.

Based on the thresholds of significance previously discussed in section 2.4, the addition of project generated trips does not result in any significant impacts at the study intersection.

7.0 Site Access and Sight Distance

This section summarizes proposed site access and on-site circulation recommendations.

7.1 ON-SITE ROADWAY IMPROVEMENTS

The recommended site-adjacent roadway improvements are described below.

Wherever necessary, roadways adjacent to the proposed project site and site access points should be constructed in compliance with recommended roadway classifications and respective cross-sections in the City of Compton General Plan Circulation Element or as directed by the City Engineer.

7.2 SIGHT DISTANCE ANALYSIS

A sight distance analysis for the proposed project driveway has been prepared based on the "stopping sight distance" requirements determined by Topic 201 and Table 201.1 of the *Caltrans Highway Design Manual* (HDM), latest edition. ***Table 8*** shows the minimum stopping sight distances based on the design speed, as displayed in Table 201.1 of the HDM.

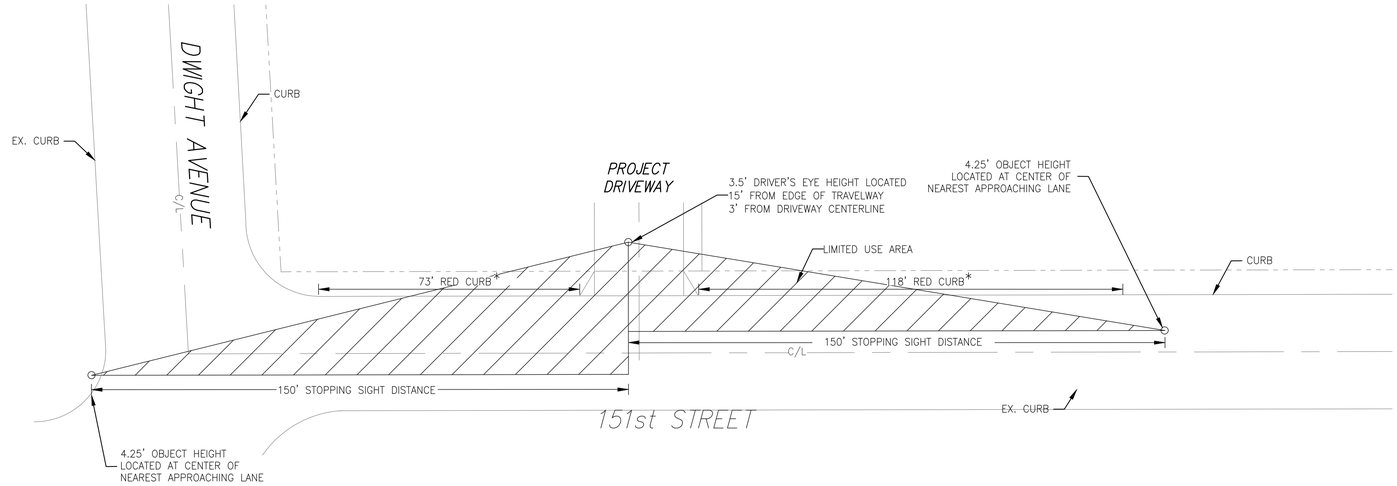
Table 8
Stopping Sight Distance

Design Speed (mph)	Stopping Sight Distance (ft)
25	**150**
30	200
35	250
40	300
45	360
50	430

Source: Table 201.1, Highway Design Manual (July 2, 2018)
Note: mph = miles per hour; ft = feet

In this analysis, the movements being analyzed at the Project Driveway intersections are movements from the exiting vehicles onto 151st Street. Since there is no posted speed limit on 151st Street between Dwight Avenue and Kemp Avenue, the 85th percentile speed is assumed to be 25 miles per hour.

Exhibit 9 displays the sight distance conditions at the project driveway in relation to the existing sidewalk, striping, and parking on 151st Street. The exhibit shows the required 15-foot setback from the edge of travel way and the 15-feet of sight distance required based on the assumed 85th percentile speed of 25 miles per hour.



151st STREET IS A LOCAL ROAD WITH A PRIMA FACIA SPEED LIMIT OF 25 MPH. TABLE 201.1 OF THE HDM, RECOMMENDS 150-FEET OF STOPPING SIGHT DISTANCE.

* NOTE: SECTION 405.1 OF THE HDM RECOMMENDS PARKING RESTRICTIONS ON URBAN DRIVEWAYS BE SET PER CA MUTCD SECTION 3B.19. SECTION 3B.19 RECOMMENDS A CLEARANCE OF **6-FEET** MEASURED FROM CURB RETURN SHOULD BE PROVIDED AT BOTH SIDES OF A DRIVEWAY.

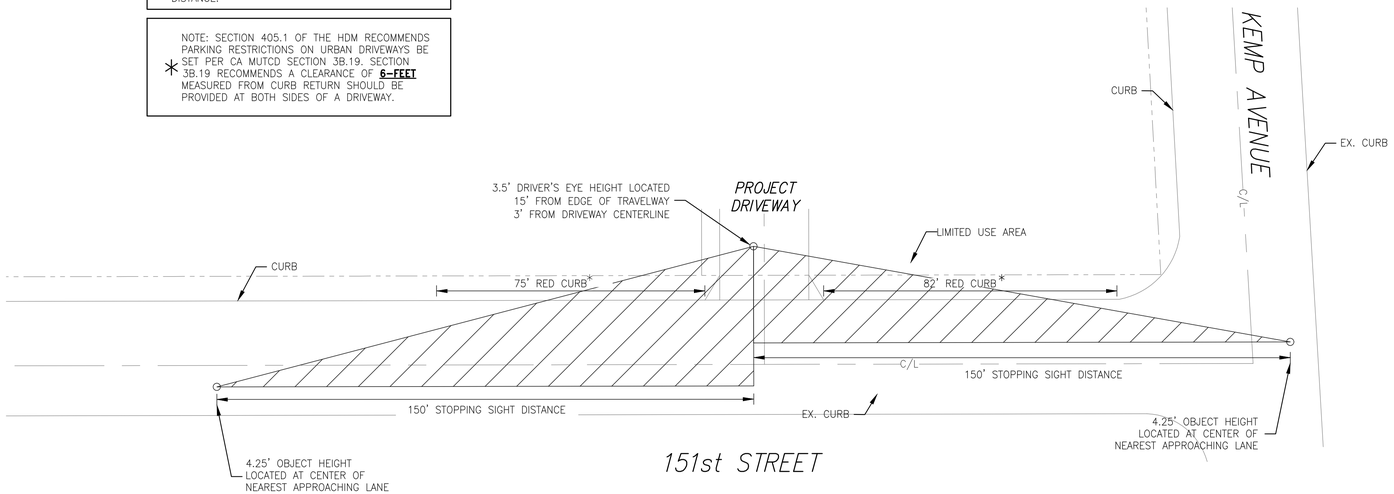


EXHIBIT 9: SIGHT DISTANCE ANALYSIS
CVR-19-001 COMPTON & KEMP TRAFFIC IMPACT ANALYSIS
Date: 09/30/21

SCALE: 1" = 20'
10 0 10 20 30

As shown in ***Exhibit 9***, the stopping sight distance requirements would be impaired by existing parking 151st Street west and east of the driveways. To meet the stopping sight distance standard, approximately 348 feet of red-curb would need to be painted on the north side of 151st Street.

TJW notes that Section 405.1 of the Highway Design Manual recommends that parking restrictions on urban driveways be set per California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 3B.19. Section 3B.19 recommends a clearance of 6-feet measured from the curb return should be provided at both sides of a driveway. It is TJW's recommendation that the CA MUTCD guidance be followed and a clearance of 6-feet be provided at both sides of the driveway.

8.0 Parking

The proposed project consists of 24 single family dwelling units. *Table 30.-21.A Parking Space Requirements* in the City of Compton Zoning Code contains minimum parking requirements for various land uses in the City.

Single family dwelling units are required to provide two enclosed spaces per dwelling unit. The proposed project would be required to provide 48 enclosed parking spaces.

The proposed project is providing two-car garages for every dwelling unit, with driveways that provide an additional two uncovered parking spaces per unit, as well as six on-street guest parking spaces, meeting code requirements whether analyzed as single family dwelling units.

Providing access to the proposed project will result in the loss of up to 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue due to the construction of two driveways with 6-feet of red curb on both sides of the driveways.

TJW collected on-street parking counts on the streets surrounding the project site in the afternoon and evening on Wednesday June 19th, 2019 from 4:00 PM to 12:00 AM to assess the existing parking inventory and occupancy. Evening hours were chosen since the overnight period is the peak period of parking demand for the residential uses adjacent to the site. Since the on-street parking supply is not striped, the inventory of each block face was projected based on observations in the field. And measurements of curb space.

The parking areas assessed were the south side of Compton Boulevard between Dwight Avenue and Kemp Avenue, both sides of Dwight Avenue between Compton Boulevard and 151St Street, both sides of 151st Street between Dwight Avenue and Kemp Avenue, and both sides Kemp Avenue between Compton Boulevard and 151st Street.

Table 9 summarizes the results of the parking inventory and occupancy counts. Detailed data, which was collected in 30 minute increments, is available in ***Appendix E***.

As shown in Table 9, there are approximately 94 on-street parking spaces on the streets surrounding the project site. The peak period of observed parking demand was at 11:00 PM – 12:00 AM, when 61 vehicles were parked in the survey area, for an overall occupancy of 65%. While certain streets, such as 151st Street and Kemp Avenue were over 80% occupied, Dwight Avenue and Compton Boulevard were under 50% full.

Based on the parking data collection, there is adequate on-street parking availability nearby to accommodate any displacement from the loss of 6-8 on-street parking spaces on 151st Street.

Table 9
Parking Survey Results

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	5	7	6	6	4	5	4
	Subtotal	**19**	**8**	**9**	**5**	**7**	**6**	**6**	**4**	**5**	**4**
	Total Occupancy	19	8	9	5	7	6	6	4	5	4
	Total Percent		**42%**	**47%**	**26%**	**37%**	**32%**	**32%**	**21%**	**26%**	**21%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	0	0	3	4	4	4	5	5
	West Side of Street	**9**	Construction	5	4	8	9	9	9	9	9
	Subtotal	**16**	**0**	**5**	**4**	**11**	**13**	**13**	**13**	**14**	**14**
	Total Occupancy	16	0	5	4	11	13	13	13	14	14
	Total Percent		**0%**	**31%**	**25%**	**69%**	**81%**	**81%**	**81%**	**88%**	**88%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	18	18	20	17	19	20	21	21
	South Side of Street	**21**	13	14	13	14	17	16	18	17	18
	Subtotal	**46**	**28**	**32**	**31**	**34**	**34**	**35**	**38**	**38**	**39**
	Total Occupancy	46	28	32	31	34	34	35	38	38	39
	Total Percent		**61%**	**70%**	**67%**	**74%**	**74%**	**76%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	4	2	2	3	3	3	4	4
	West Side of Street	**5**	1	1	1	1	1	1	0	1	1
	Subtotal	**13**	**3**	**4**	**2**	**2**	**3**	**3**	**3**	**4**	**4**
	Total Occupancy	13	3	4	2	2	3	3	3	4	4
	Total Percent		**23%**	**31%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**31%**

	Grand Total Occupancy	94	39	50	42	54	56	57	58	61	61
	Grand Total Percent		**41%**	**53%**	**45%**	**57%**	**60%**	**61%**	**62%**	**65%**	**65%**

9.0 Signal Warrant Analysis

A signal warrant analysis was conducted at the intersection of Compton Boulevard and Kemp Avenue. Compton Boulevard is classified as a four-lane secondary highway and has a posted speed limit of 35 miles per hour. Kemp Avenue is classified as a two-lane local street and has no posted speed limit. The intersection currently operates as a two-way stop intersection with the off-set Kemp Avenue approaches being stop controlled. Traffic counts were conducted at the intersection on Wednesday August 21, 2019.

Traffic signal warrants for project opening year with project conditions were prepared. Because the speed limit on Compton Boulevard is 35 miles per hour, Figure 4C-3 of the *California Manual on Traffic Control Devices* was used to evaluate the conditions at the intersection. ***Table 10*** summarizes the results of the signal warrant analysis. Detailed warrant analysis sheets are included in Appendix F.

Table 10
Signal Warrant Analysis

Intersection	Signal Warrants Met?	
	AM Peak Hour	PM Peak Hour
Compton Boulevard/Kemp Avenue	No	No

As shown in ***Table 10***, peak hour signal warrants are not met for project opening year with project conditions. Signalization of the Compton Boulevard/Kemp Avenue intersection is not recommended.

Appendices

APPENDIX A

SCOPING AGREEMENT/SCOPING EMAILS

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

May 7, 2019

Mr. Hien Nguyen, PE
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton CA 90220

Report: Scoping Agreement for the Compton & Kemp Residential Project Traffic Impact Analysis

Dear Mr. Nguyen:

TJW ENGINEERING, INC. (TJW) is pleased to submit this scoping agreement for the proposed Compton & Kemp residential project in the City of Compton. The project site is bound by Compton Boulevard to the north, Kemp Avenue to the east, W 151st Street to the south and Dwight Avenue to the west. The proposed project consists of 24 single-family dwelling units.

The Project's site plan is attached to this scoping letter. The project is anticipated to be built and generating trips in 2021. Site access is planned at two driveways on W 151st Street.

The traffic impact analysis will follow applicable City of Compton and Los Angeles County guidelines for traffic impact analysis.

Trip Generation

Trip generation for the proposed project will be developed using rates from the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) for Land Use 210 – Single-Family Detached Housing. As shown in Table 1, the project is anticipated to generate 227 daily trips, 18 AM peak hour trips, and 24 PM peak hour trips.

Table 1: Proposed Project Trip Generation

Proposed Land Use[1]	Qty/ Unit	Daily Trips (ADTs)		AM Peak Hour					PM Peak Hour				
		Rate	Volume	Rate	In:Out Split	Volume			Rate	In:Out Split	Volume		
						In	Out	Total			In	Out	Total
Single-Family Detached Housing (210)	24 DU	9.44	**227**	0.74	25:75	4	14	18	0.99	63:37	15	9	24

[1]: Rates from ITE Trip Generation (10th Edition, 2017)

Trip Distribution and Assignment

The project site is situated within a large rectangle formed by the 105, 110, 710 and 91 freeways. Project trips are generally projected to arrive/depart via Compton Boulevard and head to/from other major arterials to access freeways for work related trips, and to utilize local streets for other trips. The proposed project's trip distribution assumes that 50% of project trips will arrive/depart from/to the west on Compton Boulevard and 50% of project trips will arrive/depart from/to the east on Compton Boulevard.

Study Area

turning movement counts to be conducted on 5/29, 5/30, 6/4, 6/5, or 6/6/19 between 4p and 6p

Based on ~~the trip generation~~, the following two (2) intersections will be analyzed in the level of service analysis:

1. Compton Boulevard/Dwight Avenue; and
2. ~~Compton Boulevard/Kemp Avenue.~~

PM

County

Study Analysis Scenarios

Consistent with Los Angeles traffic study guidelines, the analysis of peak hour operations at study area intersection will occur for the following scenarios:

(1) Existing Traffic Conditions;
~~(2) Existing Plus Project Conditions;~~
(3) Project Opening Year Without Project Conditions; and
(4) Project Opening Year With Project Conditions.

With opening year being 2021, assume existing traffic volumes will increase by 4% in 2 years.

The Intersection Capacity Utilization (ICU) methodology will be used in the analysis per the Los Angeles County traffic impact analysis guidelines.

Level of Service Criteria

The City of Compton target for peak hour intersection operations is LOS D or better.

For the purposes of analyzing California Environmental Quality Act (CEQA) impacts, the City of Compton identifies significant impacts based on a comparison of the without and with project ICU at study intersections according to the following criteria:

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

~~***Cumulative Projects***~~

TJW will obtain a list of cumulative projects from the City. TJW will utilize this list to determine which cumulative projects should be included in the cumulative conditions analysis. If the City has any information on the cumulative projects such as trip generation and trip distribution patterns for each project, or prior completed traffic studies, TJW requests that this information be forwarded to us electronically.

Please feel free to call us at (949) 878-3509 if you have any questions regarding this scoping letter.

Signal Warrant Analysis
TJW will conduct turning movement counts at West Compton Blvd. and Kemp Ave. from 4p to 6p on 5/29, 5/30, 6/4, 6/5 or 6/6/19. Based on these counts, TJW will evaluate Signal Warrants 2 (Four Hour) and 3 (Peak Hour) for the intersection under Opening Year (2021) with Project Conditions.

Sincerely,

TJW ENGINEERING, INC.

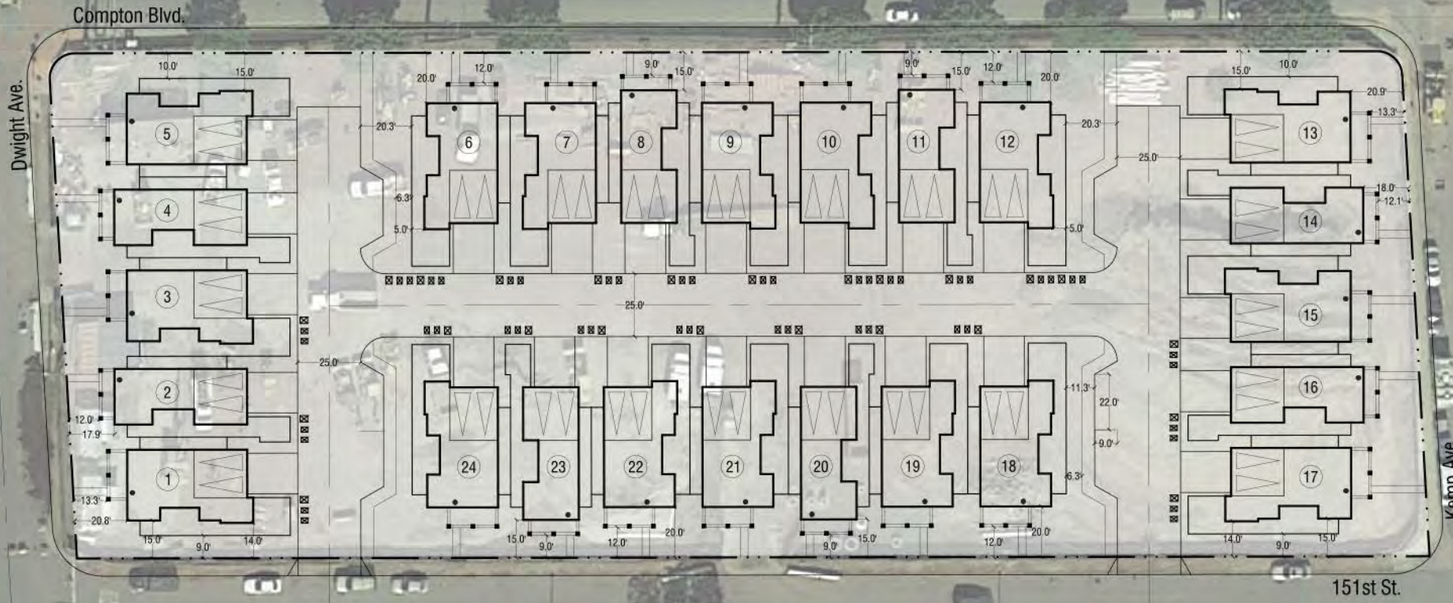
Recommended by:

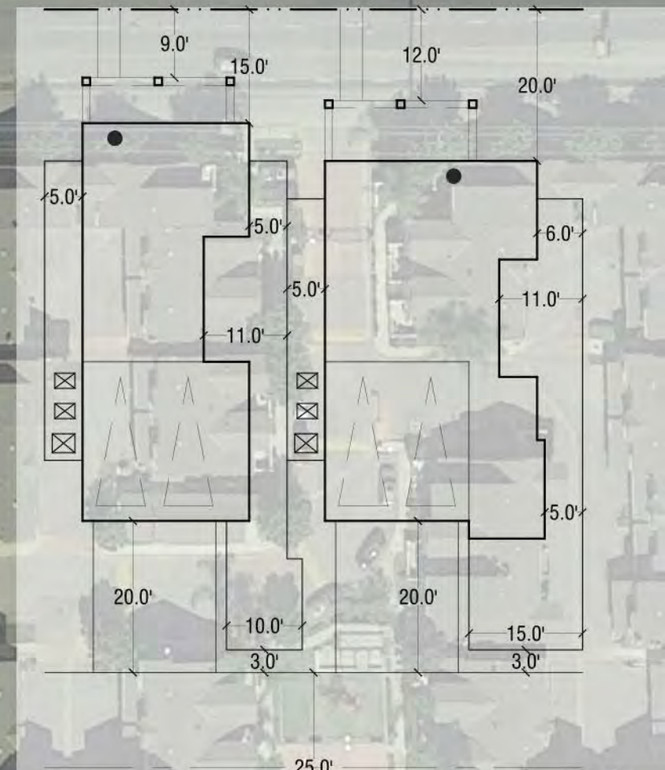
Thomas Wheat, PE, TE
TJW Engineering, Inc.
Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*

Approved by:

Hien Nguyen, City of Compton

Comments by:
GL, 5/21/19





Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
- Compton Blvd: 15' to building; 9' to covered porch
- Dwight Ave: 15' to building; 12' to covered porch
- Kemp Ave: 15' to building; 12' to covered porch
- 151st St: 14' to single story element (building 1 & 17); 15' to front of building; 9' to covered porch

Building Separation: 10'

Max. Building Height: 35'

Notes:
1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information.
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

City Ventures

CONCEPTUAL SITE PLAN
COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

0 15 30 60

CONCEPT STUDY

© 2018 WILLIAM HEZMALHALCH ARCHITECTS, INC. dba WHA. | 2013039 | 03-08-18

ARCHITECTS . PLANNERS . DESIGNERS
WHA.
ORANGE COUNTY . LOS ANGELES . BAY AREA

From: Hien Nguyen <hnguyen@comptoncity.org>
Sent: Wednesday, May 22, 2019 4:50 PM
To: Thomas Wheat; David Chew; Jeff Weckstein
Cc: Delores Jones; Troy Gunter; Kim Prijatel
Subject: 930 W. COMPTON BLVD PROJECT---1ST COMMENTS ON SCOPE OF TRAFFIC STUDY

Hello Gentlemen,

Per your request, please find Public Works Dept.'s Comments on "TIA Scope" as follows:

1. The TIA shall follow the LACDPW's guidelines

2. For safety of the public: The TIA shall include, but not limited to, the following:

   - A "Line Sight Study" [LSS] for traffic exiting the site onto 151st Street.
   - Traffic Management Plan for the site development including, but not limited to, fire lanes, no parking signs, stop signs for traffic exiting the site onto 151st Street, etc.

3. For info on list of related projects [within 1.5-mile radius of the site]: Please contact Mr. Troy Gunther of Planning Dept.

4. Impact of on-street parking surrounding the site and mitigation measures

5. PW Dept. will accept the ICU methodology, and the following softwares:

   - HCS version 2000 or later version,
   - Synchro V7 or later version
   - Traffix (Dowling) v.7.6 or later version
   - VISTRO
   - or other equivalent softwares

Please find the attached file prepared by Public Works Plan Check Consultant Willdan Engineering as a part of the composite PW Dept.'s comments on your proposed TIA Scope.

Thanks

Hien Nguyen, P.E.
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton, CA 90220
Phone (310) 761-1476,
Fax (310) 605-6326
City Hall is closed Fridays

APPENDIX B

COMPTON GENERAL PLAN ROADWAY CLASSIFICATIONS AND CROSS SECTIONS

CIRCULATION PLAN

The "Circulation Issues" discussion in this element identifies the long-term transportation and circulation concerns in Compton. This section describes the programs and strategies the City will pursue to address these issues and to move towards a balanced transportation system that meets the future mobility needs of Compton residents, as well as the business sector's demand to move goods most efficiently and effectively.

MASTER PLAN OF STREETS AND HIGHWAYS

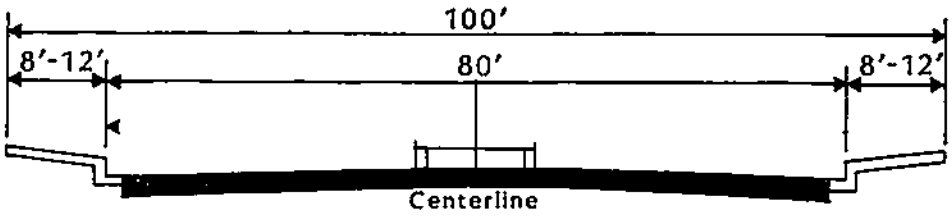
Streets and highways in Compton are described and classified according to their primary function. This hierarchical system of roadways consists of the following four basic classifications:

- Major Highway;
- Secondary Highway;
- Collector; and
- Local Street.

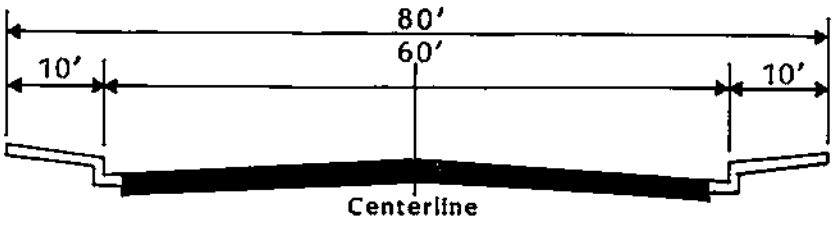
Figure C-1 illustrates the roadway cross-section standards (geometrics) for these five classifications. Roadway functions and standards may be described as follows.

Major Highway

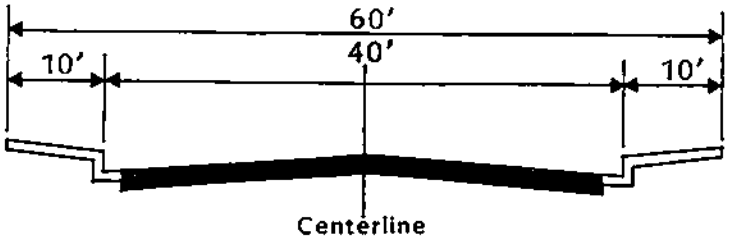
A Major Highway is the highest capacity street within the City's street system. Major Highways are designed to carry high volumes of traffic, primarily for through trips. They serve as the principal connectors from lower classification streets to the freeway system and other regional routes. The standard calls for 100 feet of right-of-way and four to six travel lanes within a minimum 80-foot wide, curb-to-curb paved street section. The right-of-way and paved road width can be increased at and near intersections to allow for median strips and extra turn lanes.



Major Highway (a)

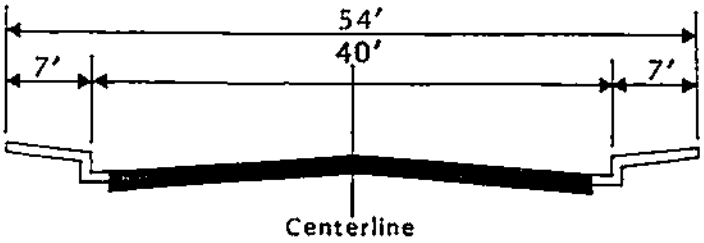


Secondary Highway



4' minimum sidewalk on both sides

Standard Collector



4' minimum sidewalk on both sides

Residential Collector

12/3/91

(a) Major Highway right-of-way may be increased to accomodate center median or extra turn lanes at intersections.

(b) All roadbed widths shown are minimums.

Figure C - 1
Standard Street Cross Sections

Major Highways in the Compton planning area include El Segundo Boulevard (west of Santa Fe Avenue), Rosecrans Avenue, Alondra Boulevard, Artesia Boulevard (east of Alameda), Victoria/Apra Street, Avalon Boulevard, Central Avenue, Wilmington Avenue, Santa Fe Avenue, Long Beach Boulevard, and Atlantic Avenue.

Secondary Highway

Secondary Highways connect Major Highways to collector and local streets and are intended to carry relatively high traffic volumes for both through and local trips. A Secondary Highway consists of 80 feet of right-of-way and four travel lanes within a 60-foot, curb-to-curb paved section.

The Secondary Highways in Compton are 135th Street, Compton Boulevard, Greenleaf Boulevard, Walnut Street, Willowbrook Avenue, Tamarind Avenue, Mona Boulevard, Temple Avenue, Bullis Road, Compton Avenue, and Artesia Boulevard (west of Alameda).

Collectors

Two Collector classifications are included within the street system - the Standard Collector and the Residential Collector. Standard Collectors serve the City's major industrial and commercial areas and high density residential developments and are designed to carry moderate to relatively high volumes of traffic to the Secondary and Major Highways, while avoiding lower density residential neighborhoods. The Residential Collector accommodates moderate traffic volumes and is intended to carry residential traffic from the neighborhoods to schools, parks, and shopping areas.

Standard Collectors contain slightly more right-of-way than Residential Collectors, consisting of 40 feet of paving within a 60-foot right-of-way width. The Residential Collector has a 40-foot paved section and a minimum 54-foot right-of-way. Collector streets will be designated as part of a special study.

Local Streets

Local Streets are designed to carry low volumes of local (non-through) traffic. Locals connect to Collectors and Highways for through trips. Standards for Local Streets are variable, given the variety of residential subdivisions which have been developed since Compton incorporated as a City.

Study Street

Alameda Street is designated as a Study Street since street width and configuration will be determined as part of the Alameda Corridor design study.

Critical Intersections

Figure C-2 identifies several intersections as "critical intersections." These are locations where, over time, right-of-way beyond the standard rights-of-way illustrated in Figure C-1 may be needed to accommodate additional turn lanes. Traffic volumes may be more easily managed if a dedicated right-turn lane, dual left-turn lanes, or other non-standard configurations are provided.

Master Plan

Figure C-2 presents the Master Plan of Streets and Highways for Compton. This plan shows the ultimate circulation system needed to move people and goods within and through the City while maintaining roadway service levels of Level of Service D or better. The system incorporates regional infrastructure and public transit improvements and plans, and accommodates the City's specific transportation needs. Physical road improvements will be necessary to achieve this system, including road widenings, roadway reconfiguration, construction of the Alameda Corridor, and grade separations at railroad crossings.

Road Widenings: Several Major and Secondary Highways will require widening and restriping to provide consistent widths and to accommodate future traffic volumes. In particular, the following improvements will be made.

- Central Avenue between Rosecrans Avenue and Compton Boulevard will be widened and restriped to provide a six-lane divided highway.

- Wilmington Avenue between the Artesia Freeway and Victoria Street will be widened and restriped to provide a six-lane divided highway.

- Greenleaf Boulevard between Wilmington Avenue and Santa Fe Avenue will be widened to provide a four-lane divided roadway.

- Long Beach Boulevard, from the north City limit to Rosecrans Avenue, will be widened and restriped to provide a six-lane divided roadway.

To accomplish street widenings, the City will undertake a comprehensive approach. This requires that the City schedule the improvement in a Capital Improvement Plan (CIP) and acquire right-of-way through eminent domain or permanent on-street parking restrictions.

These identified widenings will be performed over the 20-year General Plan planning period (before the year 2010). The City will monitor roadway volumes over time to determine the timing and approach for the improvements.

Roadway Reconfiguration: Along many road sections, right-of-way width exists consistent with the Master Plan. However, efficient traffic movement is hindered by uncontrolled access from feeder streets and from development fronting on Highways and Collectors. To allow for better flow, the City may provide raised medians (divided roadways) along the following street segments:

- Wilmington Avenue between Compton Boulevard and the Artesia Freeway;

- Long Beach Boulevard between the north City limits and the Artesia Freeway (virtually its entire length through Compton); and

- Rosecrans Avenue between Santa Fe Avenue and Long Beach Boulevard.

If studies indicate these improvements can significantly improve traffic flow, improvements will be completed before the year 2005.

Alameda Corridor: As described previously in this element, the Alameda Corridor represents a major improvement to the regional transportation system (Figure C-2). The corridor, planned to connect the ports of Los Angeles and Long Beach to multi-modal goods distribution facilities near downtown Los Angeles, is described as "a critical link for the movement of local and international cargo."[1] This road and rail freight route is intended to reduce through truck traffic on parallel streets and freeways, especially heavily-traveled Interstate 710, and to consolidate freight rail traffic to a single corridor, thus reducing rail/surface street conflicts.

As a member of the Alameda Corridor Transportation Authority, Compton will participate in the selection of the corridor design. Primary options include: 1) a four-lane road with parallel, multi-track rail lines; 2) a six-lane, one-way road couplet with at-grade rail tracks between the one-way routes; and 3) the six-lane road couplet separated by a depressed rail way. Grade separations are contemplated at principal east-west streets. Compton will encourage grade separations at several locations in the City, as described below.

Grade Separations: Construction of new rail and surface street grade separations involves tremendous costs. However, traffic congestion can be greatly mitigated by removing hindrances to free east-west traffic flow. Thus, the City strongly supports efforts to consolidate freight rail traffic along a single corridor and to provide grade separations in the design of the Alameda Corridor. Priority streets in Compton for grade separation include Compton Boulevard, Alondra Boulevard, and Greenleaf Boulevard.

Compton will work to include these streets in the design of the Alameda Corridor. In the event the Alameda Corridor is not built or construction is significantly delayed, Compton will seek other funding sources and establish accelerated time schedules for construction of grade separations.

---

[1]Project Memorandum, "The Alameda Corridor Project," Alameda Corridor Transportation Authority.

The City will continue construction efforts to complete the Mealy Street rail line relocation, which involves completion of the Rosecrans Avenue overpass at Alameda Street and depression of West Alameda Street below the relocated Wilmington Branch rail line, among other improvements.

Traffic Signal Synchronization: The City will complete its program to computerize traffic signals Citywide so that traffic flow can be synchronized and better managed. Complete synchronization will be accomplished by 1995.

ROADWAY MAINTENANCE AND REHABILITATION

Potholed streets, crumbling curbs, and cracked sidewalks citywide contribute to traffic safety problems and a general unkempt appearance. By implementing stronger roadway rehabilitation and maintenance programs, the City will achieve two important goals -- reducing congestion and enhancing the visual character of Compton.

Additional funds for infrastructure improvements will be available from State gas tax revenues increased via legislation passed in 1990. The legislation ties a jurisdiction's eligibility for funds to that jurisdiction's compliance with adopted Congestion Management Plans. Compton will comply with the provisions of the Los Angeles County CMP, as discussed in this element, to ensure the City receives its share of the revenues. A Capital Improvement Plan (CIP) will be submitted to the LACTC as required.

The City will place priority on rehabilitating residential streets within target neighborhoods, as discussed in the Housing Element, toward the end of improving overall neighborhood quality. General Fund, Community Development Block Grant (CDBG), and tax increment resources will be used for this program. Tax increment and CMP funds will be the primary resources used to finance roadway improvements within the commercial and industrial districts.

As growth throughout Southern California adds vehicles to the region's overburdened freeway and arterial highway systems, people will rely more heavily upon public transportation, especially for commute trips. Compton's ready access to RTD and other bus lines and to the Blue Line passenger rail will continue to offer Compton residents and persons working in the City alternatives to the private automobile.

Bus Service

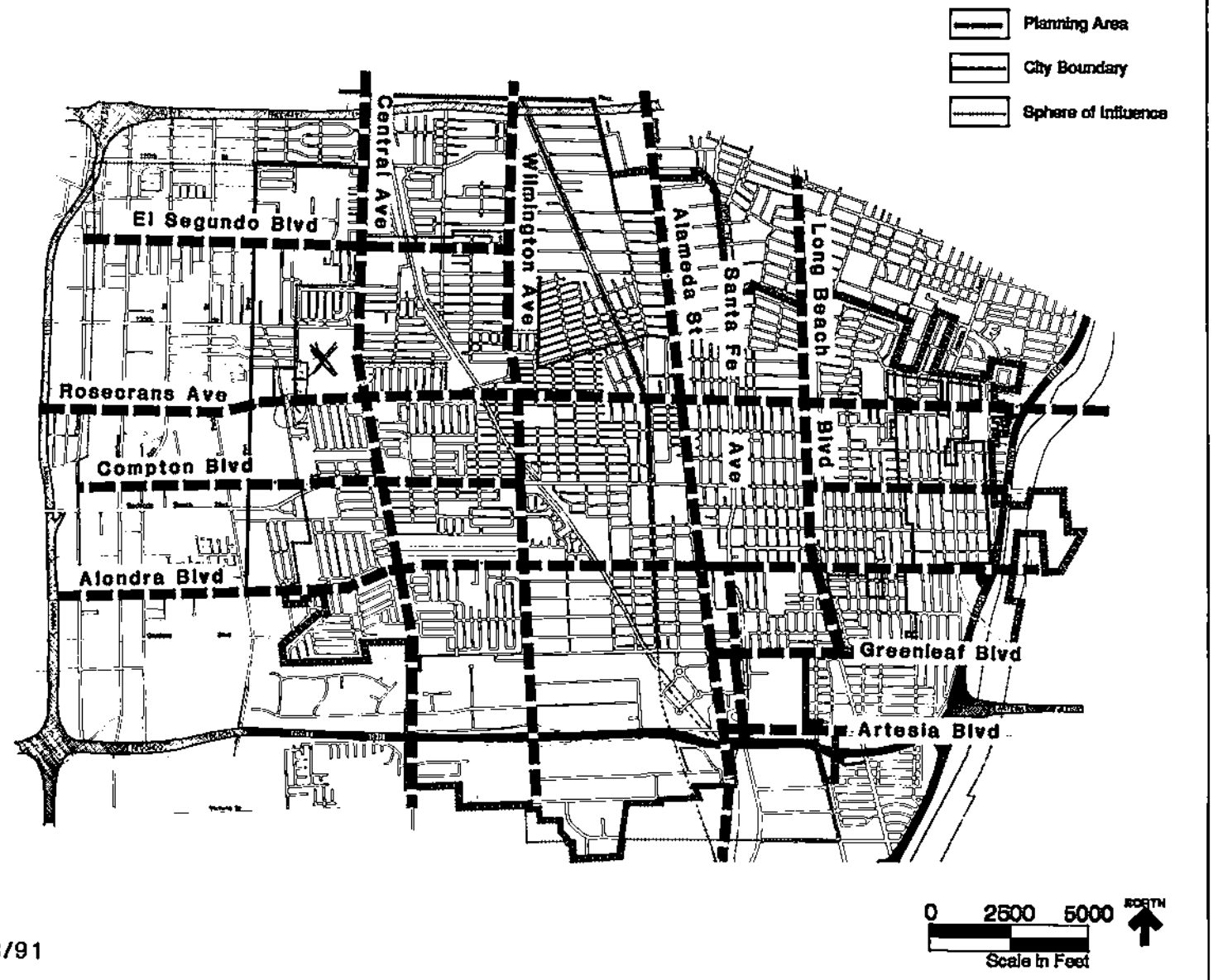
To encourage use of public transit, the City will pursue several programs. Foremost, City officials will work with the RTD to monitor bus transit demands and service levels, and to adjust schedules and routes to best serve residents and commuters into the City. Figure C-3 illustrates preferred bus routes. Bus stops will be clearly identified with signs and benches or bus shelters. The City will cooperate with the RTD in funding these necessities.

In reviewing new development proposals, the City will consider the need for bus turnouts for projects abutting Major and Secondary Highways and Collector streets. If such improvements are necessary, the City will rely largely upon developer financing of the improvements.

Passenger Rail

To maximize use of passenger rail, Compton's multi-modal transit center at the Blue Line station will be expanded to accommodate shuttle bus and vanpool service to and from major employment centers. The center may have designated parking and loading areas for shuttle vehicles. Figure C-3 shows potential destination for shuttle services.

The City will support RTD's and other bus service providers' use of the transit center by providing adequate park-and-ride lots. The City, together with RTD, will monitor uses of the lots and will expand lots as necessary to support increased



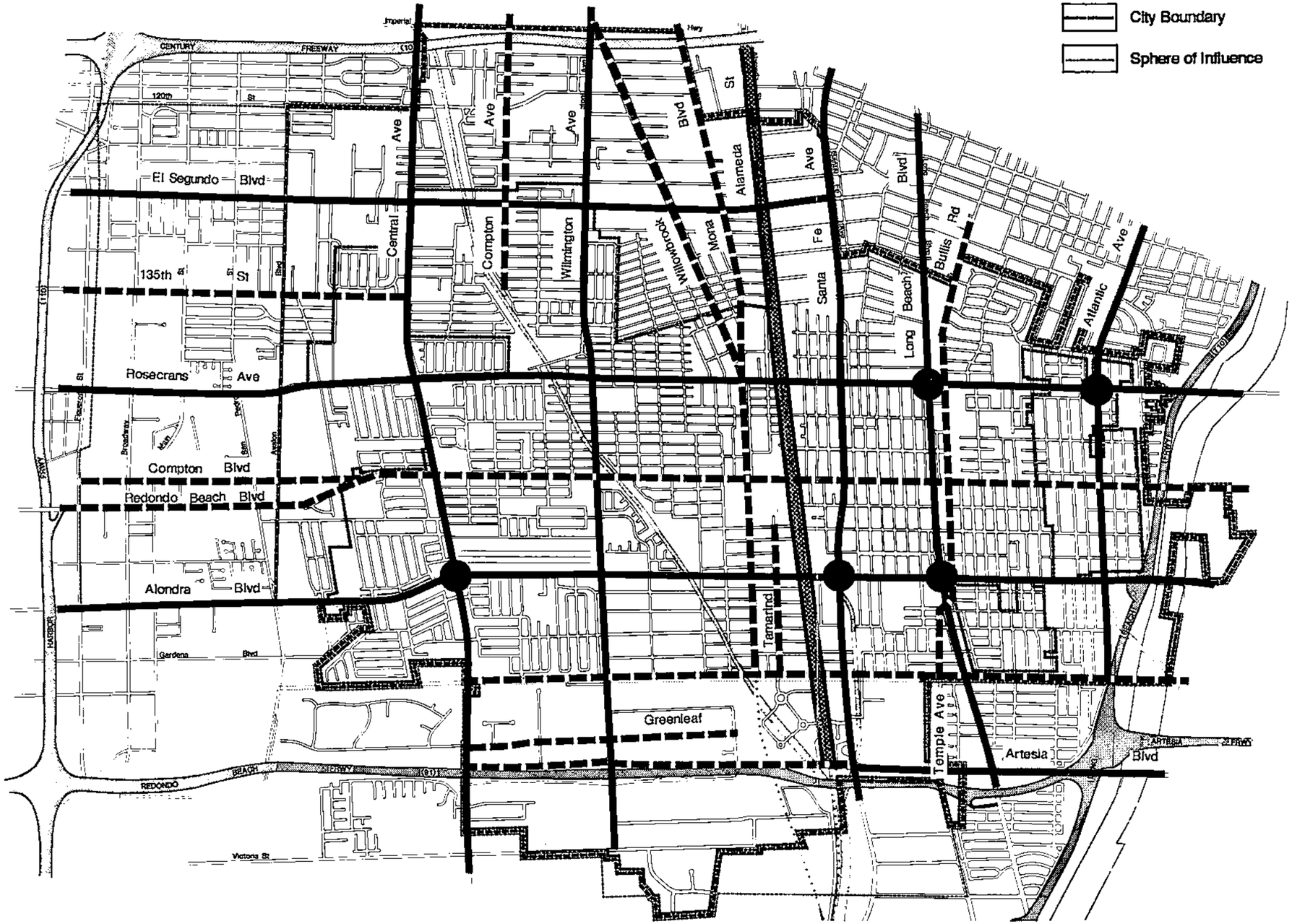
12/3/91

DESIGNATED TRUCK ROUTE

SOURCE: City of Compton

Figure C - 4
Truck Routes

Compton General Plan



12/3/91

MAJOR HIGHWAY

SECONDARY HIGHWAY

COLLECTOR*

SPECIAL STUDY CORRIDOR

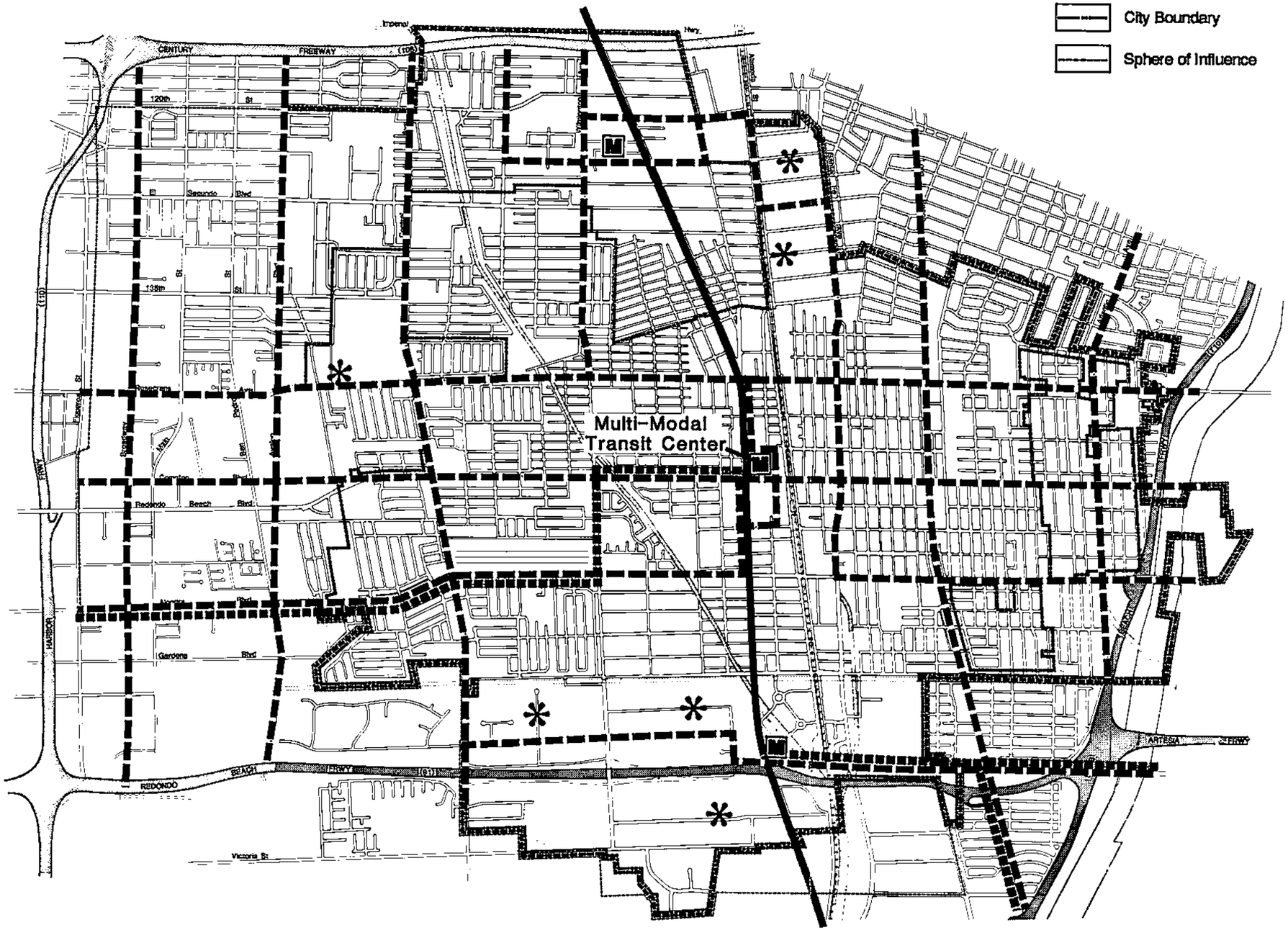
CRITICAL INTERSECTION

* The designation of Collector streets will be the subject of a separate, special study.

SOURCE: City of Compton

Figure C-2
Master Plan of Streets and Highways

Compton General Plan



12/3/91

METRORAIL BLUE LINE PASSENGER RAIL

METRORAIL STATION

REGIONAL BUS LINE (SCRTD)

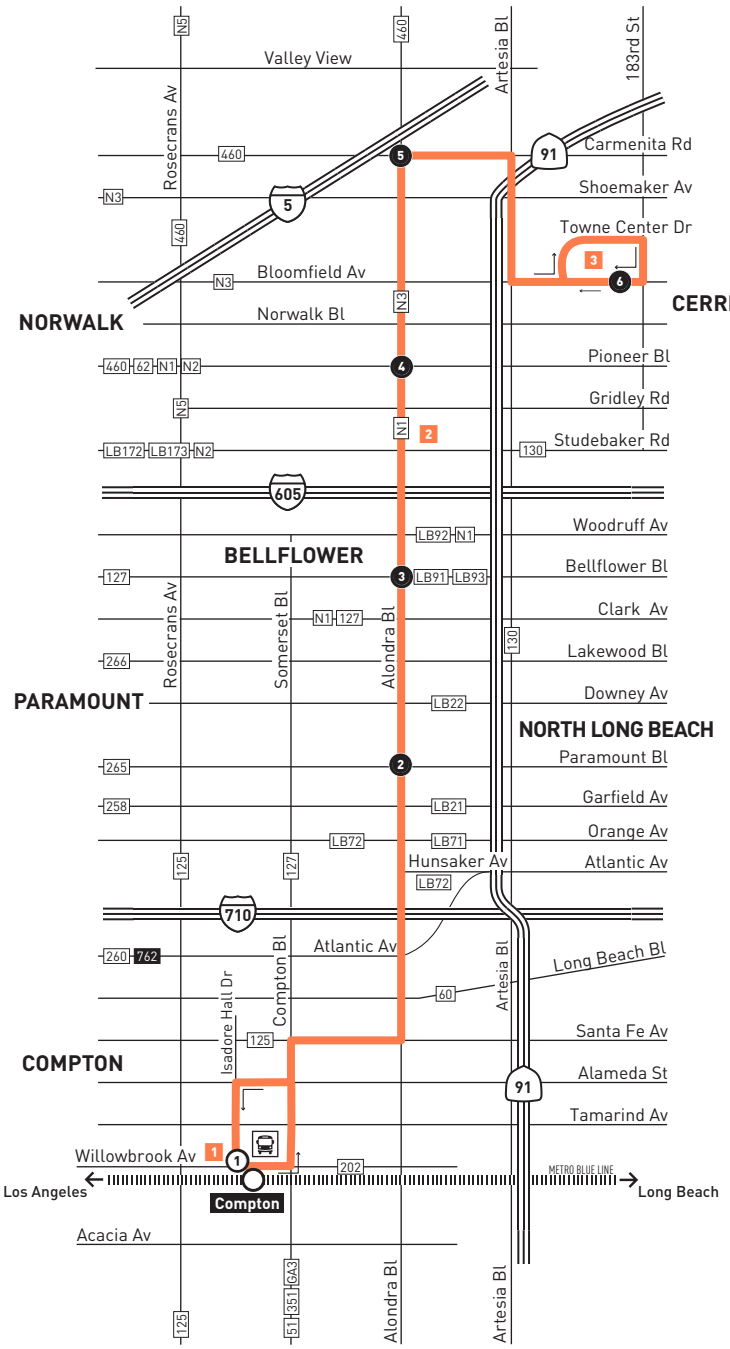
SUBREGIONAL BUS LINE

SHUTTLE SERVICE DESTINATION

SOURCE: SCRTD, City of Gardena
City of Long Beach

Figure C - 3
Public Transit Plan

ROUTE MAP



◀N

LEGEND

━━	Line 128 Route
#	Local Stop Timepoint
▮▮▮▮▮▮	Metro Rail
○	Metro Rail Station
#	Metro Rail Station & Timepoint
	Transit Center
GA	GTrans (Gardena)
LB	Long Beach Transit
N	Norwalk Transit

MAP NOTES

1. **Compton Metro Blue Line Station/ Martin Luther King Jr. Transit Center**
   Metro Blue Line,
   Metro 51, 60 (owl), 125, 127, 128, 351; Compton Renaissance Transit: 1, 2, 3, 4, 5; GA3
2. **Cerritos College**
3. **Cerritos Towne Center**
   128

Saturday,Sunday and Holiday Schedules

No service on Saturday, Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

No hay servicio en sábados, domingo, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Nextrip

Text "metro" and your intersection or stop number to 41411 (example: metro vignes&cesarechavez or metro 1563).
You can also visit m.metro.net or call 511 and say "Nextrip"

Nextrip

Envíe un mensaje de texto con "Metro" y la intersección de la calle o el número de su parada al 41411. Nextrip le enviará un mensaje de texto con la próxima llegada de cada autobús en esa parada. También puede visitar m.metro.net o llamar al 511 y decir "Nextrip"

Monday through Friday

Effective Jun 25 2017

128

Eastbound *Al Este* (Approximate Times/Tiempos Aproximados)

COMPTON	PARAMOUNT	BELLFLOWER	NORWALK	CERRITOS	
1	2	3	4	5	6
Martin Luther King Jr. TC / Compton Station	Alondra & Paramount	Alondra & Bellflower	Alondra & Pioneer	Alondra & Carmenita	Cerritos Towne Center
6:00A	6:23A	6:32A	6:43A	6:50A	7:05A
6:28	6:51	7:00	7:13	7:20	7:35
6:57	7:20	7:30	7:43	7:50	8:05
7:26	7:50	8:00	8:13	8:20	8:35
8:03	8:27	8:37	8:50	8:57	9:11
8:51	9:15	9:25	9:38	9:45	9:59
9:46	10:10	10:20	10:33	10:40	10:54
10:41	11:05	11:15	11:28	11:35	11:49
11:35	11:59	12:10P	12:23P	12:30P	12:44P
12:29P	12:53P	1:04	1:17	1:24	1:38
1:23	1:47	1:58	2:11	2:18	2:32
2:15	2:41	2:52	3:05	3:12	3:26
3:07	3:33	3:45	3:59	4:06	4:20
3:58	4:24	4:36	4:51	4:58	5:12
4:51	5:16	5:28	5:43	5:50	6:04
5:46	6:11	6:21	6:35	6:42	6:56
6:44	7:07	7:16	7:28	7:34	7:47
7:40	8:02	8:10	8:20	8:26	8:39

Monday through Friday

128

Westbound *Al Oeste* (Approximate Times/Tiempos Aproximados)

CERRITOS		NORWALK	BELLFLOWER	PARAMOUNT	COMPTON
6	5	4	3	2	1
Cerritos Towne Center	Alondra & Carmenita	Alondra & Pioneer	Alondra & Bellflower	Alondra & Paramount	Martin Luther King Jr. TC / Compton Station
6:00A	6:10A	6:18A	6:29A	6:37A	6:56A
6:35	6:45	6:53	7:04	7:13	7:35
7:13	7:25	7:33	7:44	7:53	8:14
7:52	8:03	8:12	8:24	8:33	8:54
8:35	8:45	8:54	9:06	9:15	9:36
9:25	9:35	9:44	9:56	10:06	10:27
10:13	10:24	10:33	10:46	10:56	11:17
11:05	11:16	11:25	11:38	11:48	12:09P
11:59	12:10P	12:19P	12:32P	12:42P	1:03
12:53P	1:04	1:13	1:26	1:36	1:57
1:46	1:57	2:06	2:20	2:31	2:54
2:41	2:52	3:01	3:15	3:26	3:49
3:35	3:47	3:56	4:10	4:21	4:43
4:28	4:41	4:51	5:05	5:16	5:38
5:20	5:33	5:43	5:57	6:07	6:27
6:15	6:27	6:35	6:47	6:56	7:14
7:10	7:20	7:27	7:37	7:45	8:03
8:00	8:10	8:17	8:27	8:34	8:52

APPENDIX C

EXISTING TRAFFIC COUNTS

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

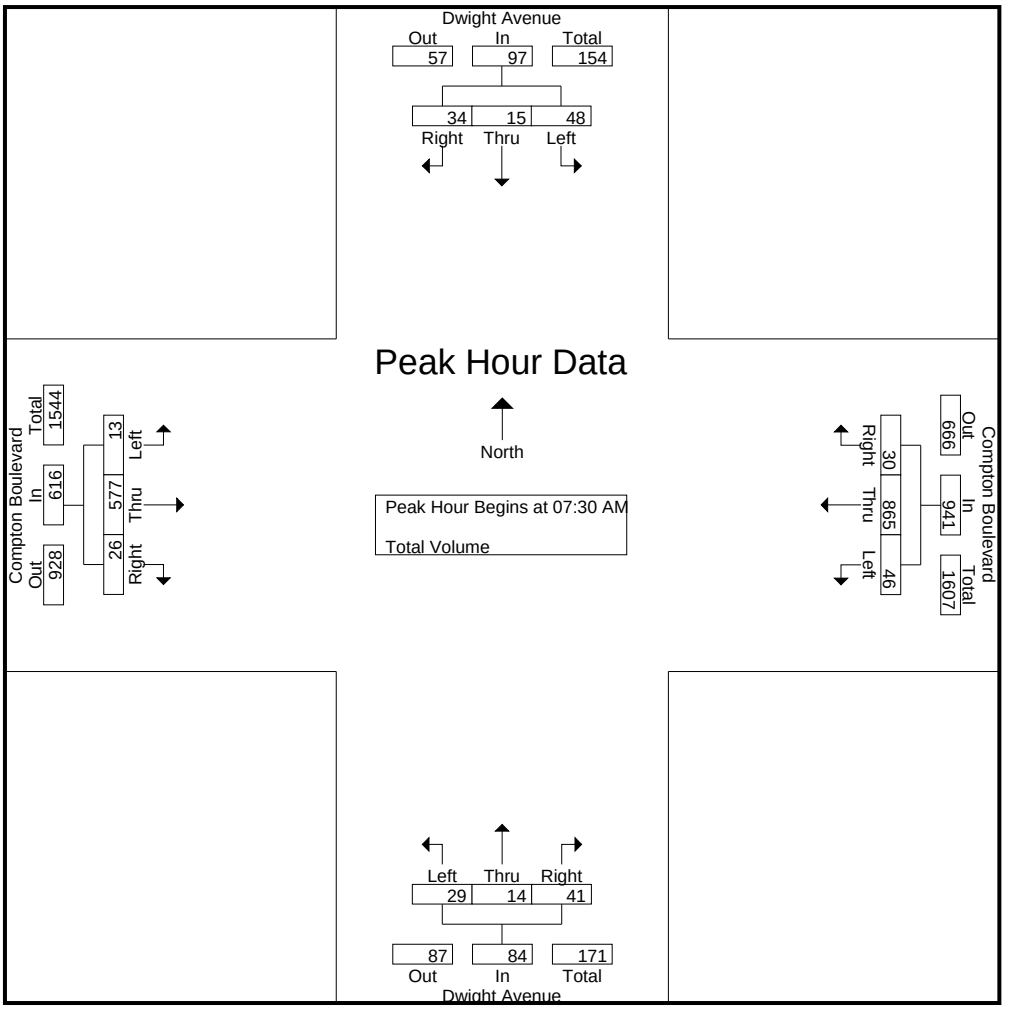
Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	5	0	10	15	3	167	5	175	2	0	7	9	4	82	4	90	289
07:15 AM	7	3	5	15	4	213	6	223	6	0	9	15	4	100	1	105	358
07:30 AM	16	8	14	38	12	223	1	236	5	6	11	22	0	111	7	118	414
07:45 AM	10	3	11	24	18	217	7	242	6	3	12	21	5	161	6	172	459
Total	38	14	40	92	37	820	19	876	19	9	39	67	13	454	18	485	1520
08:00 AM	12	3	4	19	10	211	10	231	11	2	7	20	6	153	7	166	436
08:15 AM	10	1	5	16	6	214	12	232	7	3	11	21	2	152	6	160	429
08:30 AM	6	0	10	16	5	137	5	147	7	1	2	10	5	105	4	114	287
08:45 AM	7	5	2	14	4	184	2	190	5	0	4	9	3	77	1	81	294
Total	35	9	21	65	25	746	29	800	30	6	24	60	16	487	18	521	1446
Grand Total	73	23	61	157	62	1566	48	1676	49	15	63	127	29	941	36	1006	2966
Apprch %	46.5	14.6	38.9		3.7	93.4	2.9		38.6	11.8	49.6		2.9	93.5	3.6		
Total %	2.5	0.8	2.1	5.3	2.1	52.8	1.6	56.5	1.7	0.5	2.1	4.3	1	31.7	1.2	33.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118	414
07:45 AM	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**	**459**
08:00 AM	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166	436
08:15 AM	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160	429
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616	1738
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2		
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895	.947

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118
+15 mins.	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**
+30 mins.	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166
+45 mins.	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2	
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895

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City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_PM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	14	6	5	25	7	127	8	142	8	3	3	14	14	294	5	313	494
04:15 PM	11	6	3	20	12	155	9	176	5	7	7	19	6	284	12	302	517
04:30 PM	9	2	2	13	7	125	12	144	4	3	6	13	11	254	16	281	451
04:45 PM	14	4	2	20	7	119	14	140	1	8	11	20	9	293	13	315	495
Total	48	18	12	78	33	526	43	602	18	21	27	66	40	1125	46	1211	1957
05:00 PM	13	6	9	28	11	125	16	152	7	8	5	20	12	331	12	355	555
05:15 PM	8	10	1	19	13	143	14	170	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	29	280	18	327	495
05:45 PM	6	2	6	14	7	113	11	131	7	3	3	13	9	250	15	274	432
Total	35	23	17	75	43	487	57	587	23	22	22	67	70	1167	55	1292	2021
Grand Total	83	41	29	153	76	1013	100	1189	41	43	49	133	110	2292	101	2503	3978
Apprch %	54.2	26.8	19		6.4	85.2	8.4		30.8	32.3	36.8		4.4	91.6	4		
Total %	2.1	1	0.7	3.8	1.9	25.5	2.5	29.9	1	1.1	1.2	3.3	2.8	57.6	2.5	62.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	**14**	4	2	20	7	119	14	140	1	**8**	**11**	**20**	9	293	13	315	495
05:00 PM	13	6	**9**	**28**	11	125	**16**	152	**7**	8	5	20	12	**331**	12	**355**	**555**
05:15 PM	8	**10**	1	19	**13**	**143**	14	**170**	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	**29**	280	**18**	327	495
Total Volume	43	25	13	81	43	493	60	596	17	27	30	74	70	1210	53	1333	2084
% App. Total	53.1	30.9	16		7.2	82.7	10.1		23	36.5	40.5		5.3	90.8	4		
PHF	.768	.625	.361	.723	.827	.862	.938	.876	.607	.844	.682	.925	.603	.914	.736	.939	.939

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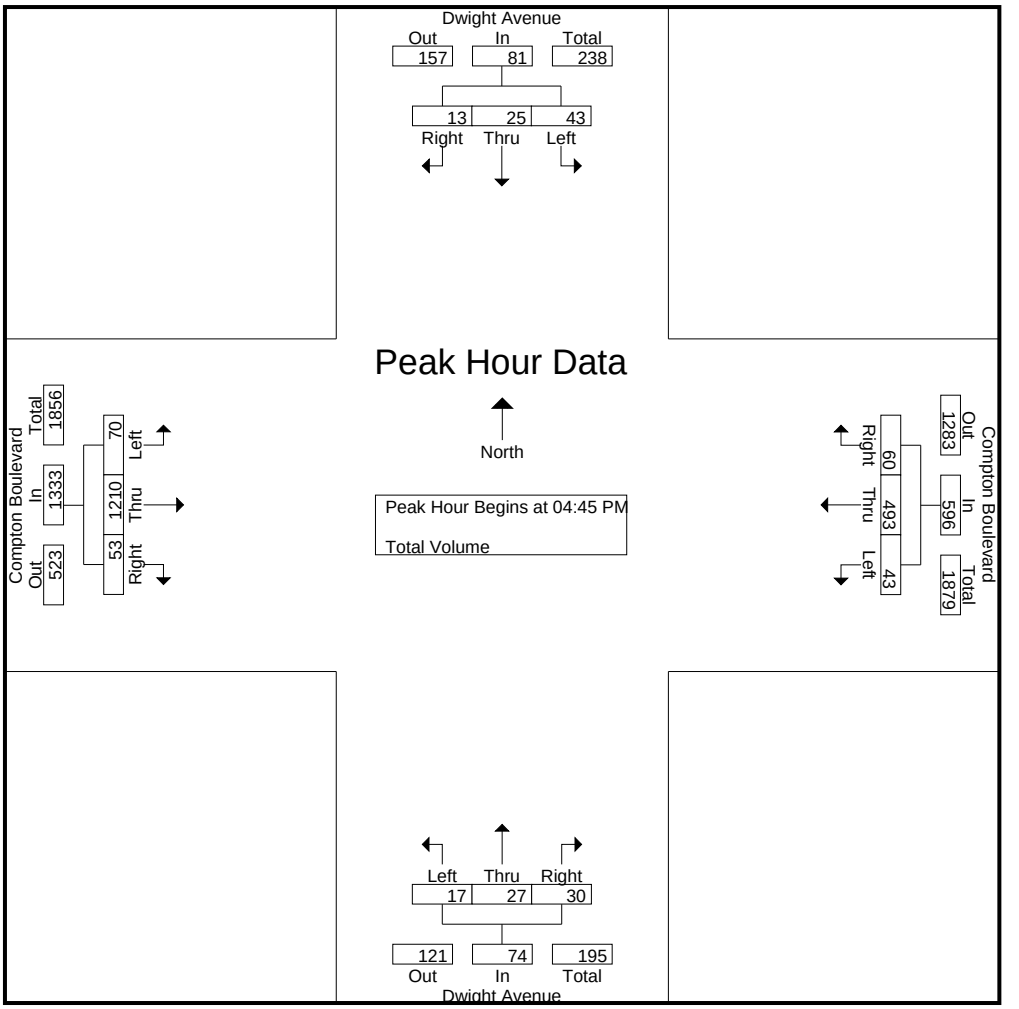
File Name : 01_CPT_Dwight_Compton_PM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM				04:15 PM				04:45 PM				04:45 PM			
+0 mins.	11	**6**	3	20	**12**	**155**	9	**176**	1	**8**	**11**	**20**	9	293	13	315
+15 mins.	9	2	2	13	7	125	12	144	**7**	8	5	20	12	**331**	12	**355**
+30 mins.	**14**	4	2	20	7	119	14	140	3	6	5	14	20	306	10	336
+45 mins.	13	6	**9**	**28**	11	125	**16**	152	6	5	9	20	**29**	280	**18**	327
Total Volume	47	18	16	81	37	524	51	612	17	27	30	74	70	1210	53	1333
% App. Total	58	22.2	19.8		6	85.6	8.3		23	36.5	40.5		5.3	90.8	4	
PHF	.839	.750	.444	.723	.771	.845	.797	.869	.607	.844	.682	.925	.603	.914	.736	.939

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
Wed, Aug 21, 19	LOCATION:	Compton	PROJECT #:	SC	
	NORTH & SOUTH:	Kemp	LOCATION #:	1	
	EAST & WEST:	Compton	CONTROL:	STOP N/S	

NOTES:

Queue EB PM

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Kemp			SOUTHBOUND Kemp			EASTBOUND Compton			WESTBOUND Compton			
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	TOTAL
AM	7:00 AM	3	0	3	5	0	5	1	95	2	3	217	2	336
	7:15 AM	1	0	6	6	0	7	1	139	0	0	240	2	402
	7:30 AM	1	0	8	7	0	17	3	197	1	5	254	3	496
	7:45 AM	1	0	2	3	0	20	1	211	0	4	259	4	505
	8:00 AM	0	0	3	4	0	7	6	166	0	6	234	9	435
	8:15 AM	0	0	0	0	0	7	4	153	0	2	176	3	345
	8:30 AM	0	0	4	1	0	1	3	127	0	5	174	4	319
	8:45 AM	1	1	2	1	0	6	2	132	1	2	132	4	284
	VOLUMES	7	1	28	27	0	70	21	1,220	4	27	1,686	31	3,122
	APPROACH %	19%	3%	78%	28%	0%	72%	2%	98%	0%	2%	97%	2%	
	APP/DEPART	36	/	51	97	/	27	1,245	/	1,279	1,744	/	1,765	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	3	0	19	20	0	51	11	713	1	15	987	18	1,838
	APPROACH %	14%	0%	86%	28%	0%	72%	2%	98%	0%	1%	97%	2%	
	PEAK HR FACTOR		0.611			0.740			0.855			0.955		0.910
	APP/DEPART	22	/	28	71	/	15	725	/	753	1,020	/	1,042	0
PM	4:00 PM	0	0	4	0	1	3	5	273	1	3	140	5	435
	4:15 PM	0	1	4	3	0	8	7	241	1	4	176	5	450
	4:30 PM	1	0	1	3	0	6	9	289	0	2	153	12	476
	4:45 PM	0	0	2	2	0	3	11	294	0	4	144	4	464
	5:00 PM	0	0	4	1	0	3	5	306	3	5	141	12	480
	5:15 PM	0	0	7	2	0	5	3	301	2	1	129	6	456
	5:30 PM	0	0	3	0	0	3	4	312	1	0	149	1	473
	5:45 PM	0	0	4	2	1	3	10	288	4	0	122	4	438
	VOLUMES	1	1	29	13	2	34	54	2,304	12	19	1,154	49	3,672
	APPROACH %	3%	3%	94%	27%	4%	69%	2%	97%	1%	2%	94%	4%	
	APP/DEPART	31	/	101	49	/	31	2,370	/	2,348	1,222	/	1,192	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	1	0	14	8	0	17	28	1,190	5	12	567	34	1,876
	APPROACH %	7%	0%	93%	32%	0%	68%	2%	97%	0%	2%	92%	6%	
	PEAK HR FACTOR		0.536			0.694			0.974			0.918		0.977
	APP/DEPART	15	/	59	25	/	16	1,223	/	1,213	613	/	588	0

APPENDIX D

ICU ANALYSIS WORKSHEETS

EXISTING CONDITIONS

Compton & Kemp Residential TIA
Existing Conditions
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.490
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	14	41	48	15	34	13	577	26	46	865	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	31	15	43	51	16	36	14	607	27	48	911	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	15	43	51	16	36	14	607	27	48	911	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	15	43	51	16	36	14	607	27	48	911	32
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.06	0.06	0.01	0.20	0.20	0.03	0.29	0.29
Crit Moves:		****			****			****			****	

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Compton & Kemp Residential TIA
Existing Conditions
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.626
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	27	30	43	25	13	70	1210	53	43	493	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	18	29	32	46	27	14	74	1287	56	46	524	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	29	32	46	27	14	74	1287	56	46	524	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	18	29	32	46	27	14	74	1287	56	46	524	64
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.05	0.05	0.05	0.42	0.42	0.03	0.18	0.18
Crit Moves:		****		****				****		****		

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PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS

Compton & Kemp Residential TIA
Project Opening Yea (2021) Without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.501
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0 1! 0	0	0	0 1! 0	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	30	15	43	50	16	35	14	600	27	48	900	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	32	15	45	53	16	37	14	632	28	50	947	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	15	45	53	16	37	14	632	28	50	947	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	32	15	45	53	16	37	14	632	28	50	947	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
OPening Year (2021) Without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.648
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	28	31	45	26	14	73	1259	55	45	513	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	19	30	33	48	28	14	77	1339	59	48	546	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	30	33	48	28	14	77	1339	59	48	546	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	30	33	48	28	14	77	1339	59	48	546	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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PROJECT OPENING YEAR WITH PROJECT CONDITIONS

Compton & Kemp Residential TIA
Opening Year (2021) With Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.505
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	0	1	0 1	1	0	1 1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	5	0	3	0	0	0	0	1	2	1	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	15	46	50	16	35	14	601	29	49	901	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	37	15	48	53	16	37	14	633	31	51	948	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	15	48	53	16	37	14	633	31	51	948	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	37	15	48	53	16	37	14	633	31	51	948	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.37	0.15	0.48	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	590	244	766	792	247	561	1600	3053	147	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
Opening Year (2021) With Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.656
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	4	0	2	0	0	0	0	2	6	3	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	28	33	45	26	14	73	1261	61	48	514	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	23	30	35	48	28	14	77	1341	65	51	547	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	30	35	48	28	14	77	1341	65	51	547	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	30	35	48	28	14	77	1341	65	51	547	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.26	0.34	0.40	0.53	0.31	0.16	1.00	1.91	0.09	1.00	1.78	0.22
Final Sat.:	418	542	640	849	494	257	1600	3052	148	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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APPENDIX E

PARKING DATA

Compton Parking Survey
Wednesday June 19th, 2019

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Subtotal	**19**	**8**	**9**	**9**	**7**	**5**	**7**	**7**	**7**	**6**	**6**	**6**	**6**	**4**	**5**	**5**	**5**	**4**
	Total Occupancy	19	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Total Percent		**42%**	**47%**	**47%**	**37%**	**26%**	**37%**	**37%**	**37%**	**32%**	**32%**	**32%**	**32%**	**21%**	**26%**	**26%**	**26%**	**21%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	Construction	0	0	0	0	3	3	4	4	4	4	4	5	5	5	5
	West Side of Street	**9**	Construction	Construction	5	4	4	7	8	9	9	9	9	9	9	9	9	9	9
	Subtotal	**16**	**0**	**0**	**5**	**4**	**4**	**7**	**11**	**12**	**13**	**13**	**13**	**13**	**13**	**14**	**14**	**14**	**14**
	Total Occupancy	16	0	0	5	4	4	7	11	12	13	13	13	13	13	14	14	14	14
	Total Percent		**0%**	**0%**	**31%**	**25%**	**25%**	**44%**	**69%**	**75%**	**81%**	**81%**	**81%**	**81%**	**81%**	**88%**	**88%**	**88%**	**88%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	17	18	17	18	19	20	20	17	19	19	20	20	21	21	21	21
	South Side of Street	**21**	13	14	14	14	13	15	14	16	17	17	16	18	18	18	17	17	18
	Subtotal	**46**	**28**	**31**	**32**	**31**	**31**	**34**	**34**	**36**	**34**	**36**	**35**	**38**	**38**	**39**	**38**	**38**	**39**
	Total Occupancy	46	28	31	32	31	31	34	34	36	34	36	35	38	38	39	38	38	39
	Total Percent		**61%**	**67%**	**70%**	**67%**	**67%**	**74%**	**74%**	**78%**	**74%**	**78%**	**76%**	**83%**	**83%**	**85%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	West Side of Street	**5**	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
	Subtotal	**13**	**3**	**3**	**4**	**5**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**4**	**3**	**4**	**4**	**4**	**4**
	Total Occupancy	13	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	Total Percent		**23%**	**23%**	**31%**	**38%**	**15%**	**15%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**23%**	**31%**	**31%**	**31%**	**31%**

	Grand Total Occupancy	94	39	43	50	47	42	50	54	57	56	58	57	61	58	62	61	61	61
	Grand Total Percent		**41%**	**46%**	**53%**	**50%**	**45%**	**53%**	**57%**	**61%**	**60%**	**62%**	**61%**	**65%**	**62%**	**66%**	**65%**	**65%**	**65%**

Counts Unlimited, Inc.
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Corona, CA 92878
951-268-6268

APPENDIX F

SIGNAL WARRANT ANALYSIS WORKSHEETS

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: AM

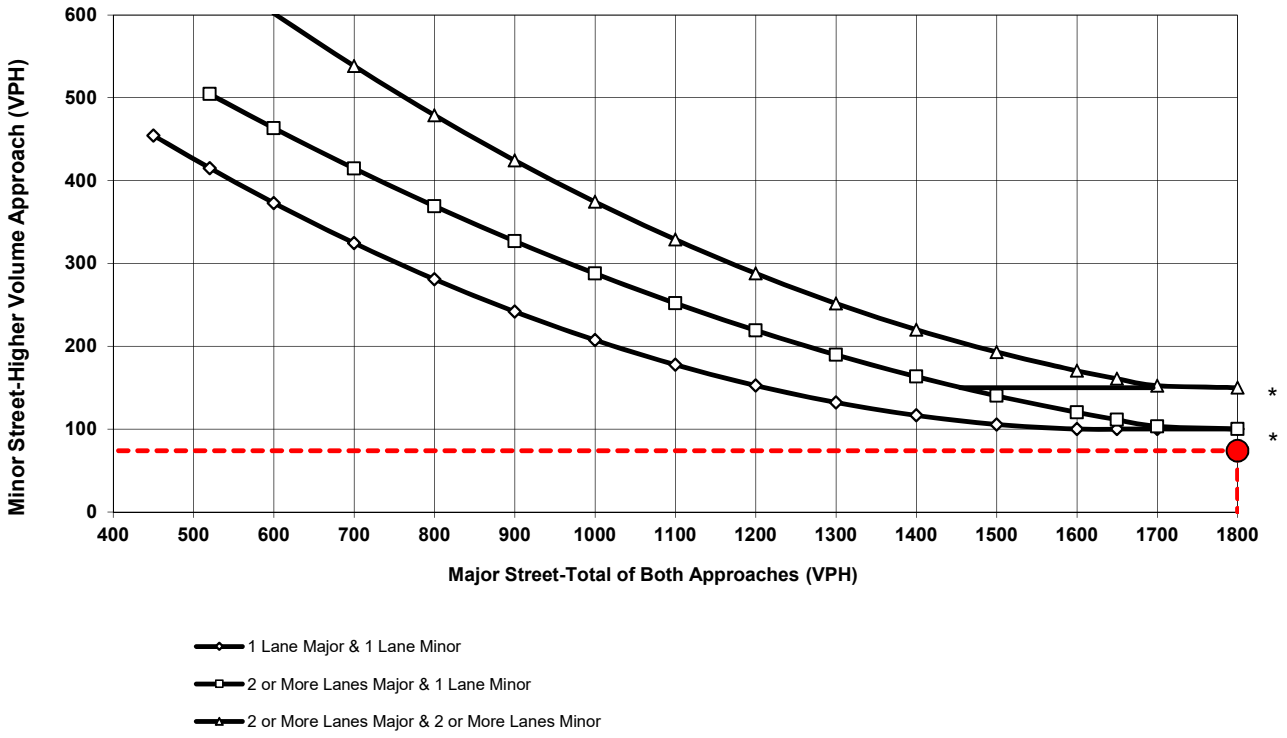
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1822	Higher Volume Approach (VPH):	74
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: PM

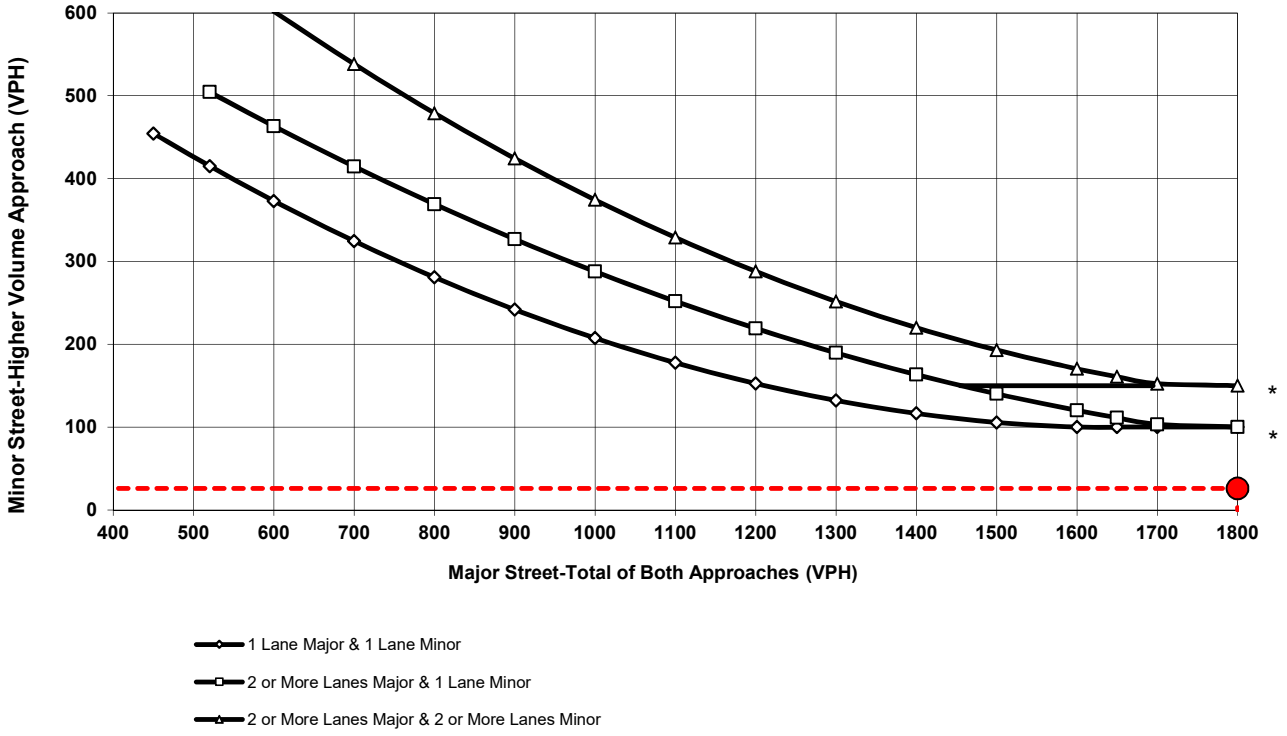
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1920	Higher Volume Approach (VPH):	26
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

Project Opening Year With Project Conditions
PM Peak Hour Volume Warrant
Compton Boulevard/Kemp Avenue

Compton Residential Development

Noise Impact Study

City of Compton, CA

Prepared for:

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Date: 4/14/2021

MD ACOUSTICS
Sound Solutions for Planning and Design

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1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This noise assessment was prepared to evaluate the potential noise impacts for the project study area and to recommend noise mitigation measures, if necessary, to minimize the potential noise impacts. The assessment was conducted and compared to the noise standards set-forth by the Federal, State and Local agencies. Consistent with the City's Noise Guidelines, the project must demonstrate compliance to the applicable noise criterion as outlined within the City's Noise Element and Municipal Code.

The following is provided in this report:

- A description of the study area and the proposed project
- Information regarding the fundamentals of noise
- A description of the local noise guidelines and standards
- An analysis of traffic noise impacts to and from the project site
- An analysis of construction noise impacts

1.2 Site Location and Study Area

The project site is located at 930 W. Compton Boulevard in Compton, California, as shown in Exhibit A. The site is currently zoned as Limited Commercial (CL) and Parking (P) and classified as Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a Change of Zone to General Commercial – Limited Commercial and Planned Development (C-L-D). The proposed use is single-family residential at approximately 24.5 dwelling units per acre. Land uses surrounding the site include single-family residential uses to the south (across 151st Street), single-family residential uses and commercial uses to the west (across Dwight Avenue), mixed-use commercial and residential uses to the north (across Compton Boulevard), and multi-family residential uses to the east (across Kemp Avenue).

1.3 Proposed Project Description

The Project proposes sixty (60) two story single-family buildings on an approximately 2.45-acres. As a worst-case scenario, this assessment assumes the project is built in one (1) complete phase. The site plan used for this project, provided by City Ventures, is shown in Exhibit B.

This study assesses the traffic noise to and from the project site and compares the results to the applicable City noise standards. In addition, the study reviews noise generated by construction activities.

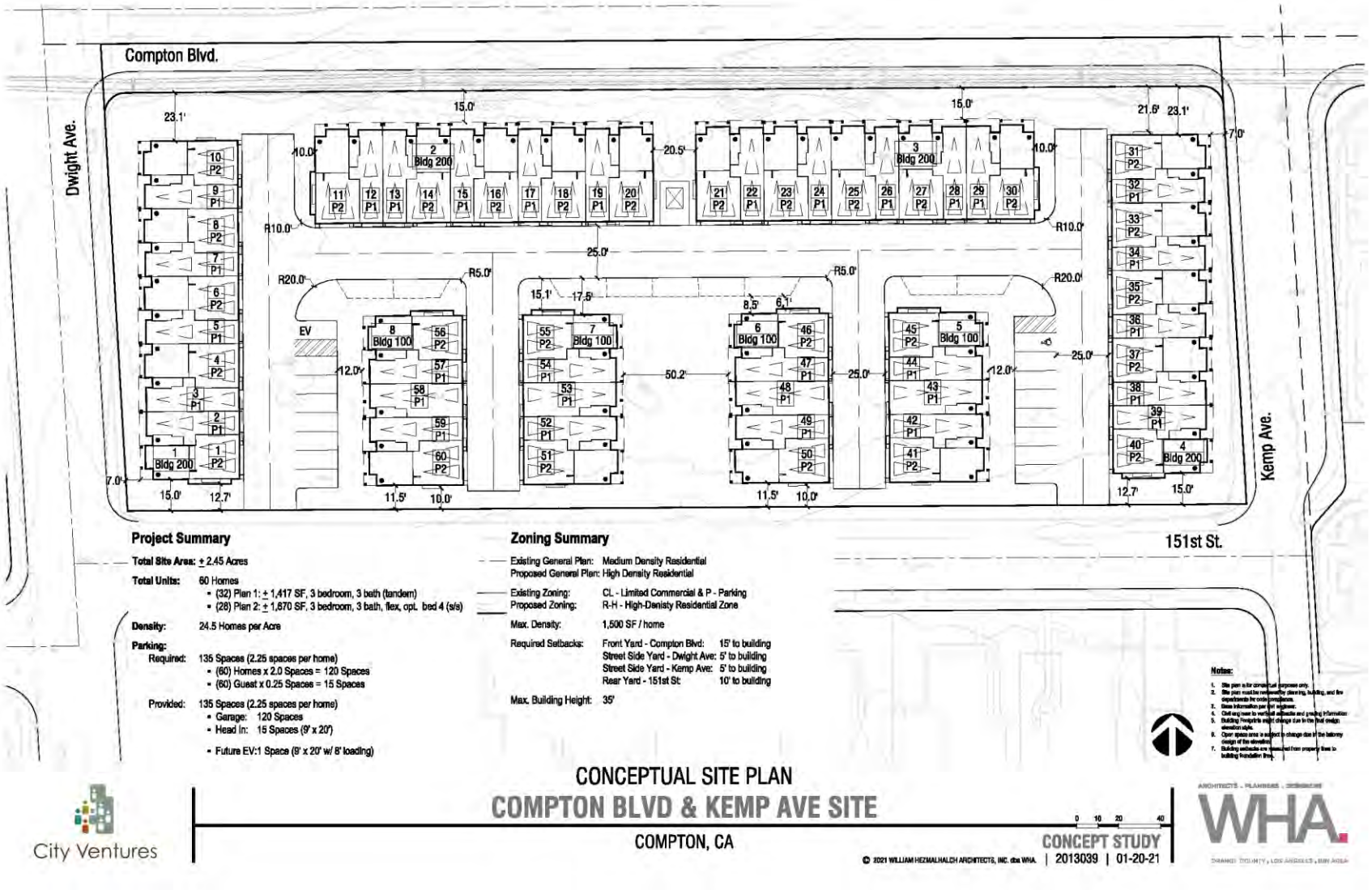
Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Fundamentals of Noise

This section of the report provides basic information about noise and presents some of the terms used within the report.

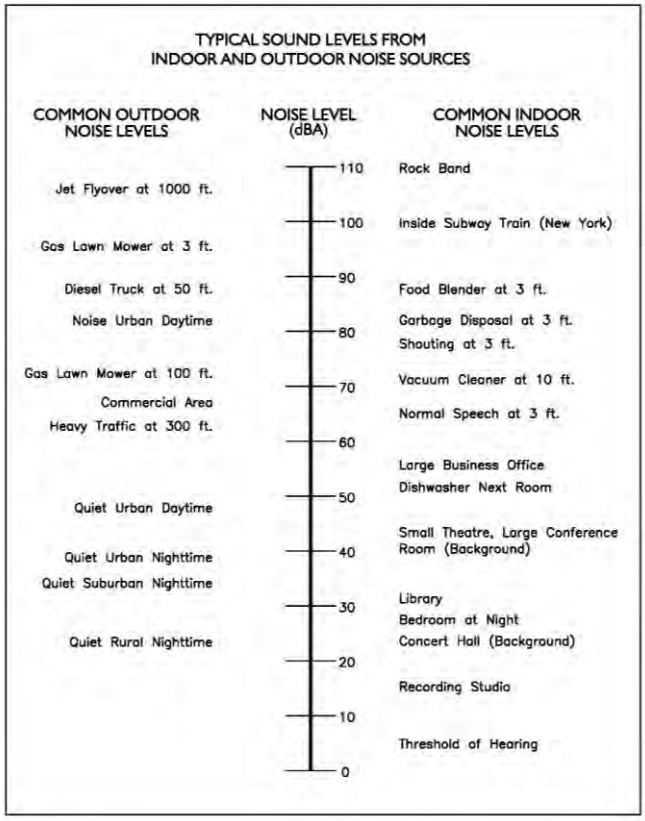
2.1 Sound, Noise and Acoustics

Sound is a disturbance created by a moving or vibrating source and is capable of being detected by the hearing organs. Sound may be thought of as mechanical energy of a moving object transmitted by pressure waves through a medium to a human ear. For traffic, or stationary noise, the medium of concern is air. *Noise* is defined as sound that is loud, unpleasant, unexpected, or unwanted.

2.2 Frequency and Hertz

A continuous sound is described by its *frequency* (pitch) and its *amplitude* (loudness). Frequency relates to the number of pressure oscillations per second. Low-frequency sounds are low in pitch (bass sounding) and high-frequency sounds are high in pitch (squeak). These oscillations per second (cycles) are commonly referred to as Hertz (Hz). The human ear can hear from the bass pitch starting out at 20 Hz all the way to the high pitch of 20,000 Hz.

Exhibit C: Typical A-Weighted Noise Levels



2.3 Sound Pressure Levels and Decibels

The *amplitude* of a sound determines it loudness. The loudness of sound increases or decreases as the amplitude increases or decreases. Sound pressure amplitude is measure in units of micro-Newton per square inch meter (N/m2), also called micro-Pascal (µPa). One µPa is approximately one hundred billionths (0.00000000001) of normal atmospheric pressure. Sound pressure level (SPL or L_p) is used to describe in logarithmic units the ratio of actual sound pressures to a reference pressure squared. These units are called decibels abbreviated dB. Exhibit C illustrates references sound levels for different noise sources.

2.4 Addition of Decibels

Because decibels are on a logarithmic scale, sound pressure levels cannot be added or subtracted by simple plus or minus addition. When two sounds or equal SPL are combined, they will produce an SPL 3 dB greater than the original single SPL. In other words, sound energy must be doubled to produce a 3 dB increase. If two sounds differ by approximately 10 dB, the higher sound level is the predominant sound.

2.5 Human Response to Changes in Noise Levels

In general, the healthy human ear is most sensitive to sounds between 1,000 Hz and 5,000 Hz, (A-weighted scale) and it perceives a sound within that range as being more intense than a sound with a higher or lower frequency with the same magnitude. For purposes of this report as well as with most environmental documents, the A-scale weighting is typically reported in terms of A-weighted decibel (dBA). Typically, the human ear can barely perceive the change in noise level of 3 dB. A change in 5 dB is readily perceptible, and a change in 10 dB is perceived as being twice or half as loud. As previously discussed, a doubling of sound energy results in a 3 dB increase in sound, which means that a doubling of sound energy (e.g. doubling the volume of traffic on a highway) would result in a barely perceptible change in sound level.

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Not perceptible
3	Just perceptible
5	Clearly noticeable
10	Twice (or half) as loud

https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm

2.6 Noise Descriptors

Noise in our daily environment fluctuates over time. Some noise levels occur in regular patterns, others are random. Some noise levels are constant while others are sporadic. Noise descriptors were created to describe the different time-varying noise levels.

A-Weighted Sound Level: The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the response of the human ear. A numerical method of rating human judgment of loudness.

Ambient Noise Level: The composite of noise from all sources, near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

Community Noise Equivalent Level (CNEL): The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of five (5) decibels to sound levels in the evening from 7:00 to 10:00 PM and after addition of ten (10) decibels to sound levels in the night before 7:00 AM and after 10:00 PM.

Decibel (dB): A unit for measuring the amplitude of a sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micro-pascals.

dB(A): A-weighted sound level (see definition above).

Equivalent Sound Level (LEQ): The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time varying noise level. The energy average noise level during the sample period.

Habitable Room: Any room meeting the requirements of the Uniform Building Code or other applicable regulations which is intended to be used for sleeping, living, cooking or dining purposes, excluding such enclosed spaces as closets, pantries, bath or toilet rooms, service rooms, connecting corridors, laundries, unfinished attics, foyers, storage spaces, cellars, utility rooms and similar spaces.

L(n): The A-weighted sound level exceeded during a certain percentage of the sample time. For example, L10 in the sound level exceeded 10 percent of the sample time. Similarly L50, L90 and L99, etc.

Noise: *A*ny unwanted sound or sound which is undesirable because it interferes with speech and hearing, or is intense enough to damage hearing, or is otherwise annoying. The State Noise Control Act defines noise as "...excessive undesirable sound...".

Outdoor Living Area: Outdoor spaces that are associated with residential land uses typically used for passive recreational activities or other noise-sensitive uses. Such spaces include patio areas, barbecue areas, jacuzzi areas, etc. associated with residential uses; outdoor patient recovery or resting areas associated with hospitals, convalescent hospitals, or rest homes; outdoor areas associated with places of worship which have a significant role in services or other noise-sensitive activities; and outdoor school facilities routinely used for educational purposes which may be adversely impacted by noise. Outdoor areas usually not included in this definition are: front yard areas, driveways, greenbelts, maintenance areas and storage areas associated with residential land uses; exterior areas at hospitals that are not used for patient activities; outdoor areas associated with places of worship and principally used for short-term social gatherings; and, outdoor areas associated with school facilities that are not typically associated with educational uses prone to adverse noise impacts (for example, school play yard areas).

Percent Noise Levels: See L(n).

Sound Level (Noise Level): The weighted sound pressure level obtained by use of a sound level meter having a standard frequency-filter for attenuating part of the sound spectrum.

Sound Level Meter: An instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement and determination of noise and sound levels.

Single Event Noise Exposure Level (SENEL): The dB(A) level which, if it lasted for one second, would produce the same A-weighted sound energy as the actual event.

2.7 Traffic Noise Prediction

Noise levels associated with traffic depends on a variety of factors: (1) volume of traffic, (2) speed of traffic, (3) auto, medium truck (2–3 axle) and heavy truck percentage (4 axle and greater), and sound propagation. The greater the volume of traffic, higher speeds and truck percentages equate to a louder volume in noise. A doubling of the Average Daily Traffic (ADT) along a roadway will increase noise levels by approximately 3 dB; reasons for this are discussed in the sections above.

2.8 Sound Propagation

As sound propagates from a source it spreads geometrically. Sound from a small, localized source (i.e., a point source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates at a rate of 6 dB per doubling of distance. The movement of vehicles down a roadway makes the source of the sound appear to propagate from a line (i.e., line source) rather than a point source. This line source results in the noise propagating from a roadway in a cylindrical spreading versus a spherical spreading that results from a point source. The sound level attenuates for a line source at a rate of 3 dB per doubling of distance.

As noise propagates from the source, it is affected by the ground and atmosphere. Noise models use hard site (reflective surfaces) and soft site (absorptive surfaces) to help calculate predicted noise levels. Hard site conditions assume no excessive ground absorption between the noise source and the receiver. Soft site conditions such as grass, soft dirt or landscaping attenuate noise at a rate of 1.5 dB per doubling of distance. When added to the geometric spreading, the excess ground attenuation results in an overall noise attenuation of 4.5 dB per doubling of distance for a line source and 7.5 dB per doubling of distance for a point source.

Research has demonstrated that atmospheric conditions can have a significant effect on noise levels when noise receivers are located 200 feet from a noise source. Wind, temperature, air humidity and turbulence can further impact have far sound can travel.

3.0 Ground-Bourne Vibration Fundamentals

3.1 Vibration Descriptors

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

Several different methods are used to quantify vibration amplitude.

PPV – Known as the peak particle velocity (PPV) which is the maximum instantaneous peak in vibration velocity, typically given in inches per second.

RMS – Known as root mean squared (RMS) can be used to denote vibration amplitude

VdB – A commonly used abbreviation to describe the vibration level (VdB) for a vibration source.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Outdoor sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration. To counter the effects of ground-borne vibration, the Federal Transit Administration (FTA) has published guidance relative to vibration impacts. According to the FTA, fragile buildings can be exposed to ground-borne vibration levels of 0.3 inches per second without experiencing structural damage.

There are three main types of vibration propagation: surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse, or side-to-side and perpendicular to the direction of propagation.

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be

effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 Regulatory Setting

The proposed project is located in the City of Compton and noise regulations are addressed through the efforts of various federal, state and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Publicize noise emission standards for interstate commerce
- Assist state and local abatement efforts
- Promote noise education and research

The Federal Office of Noise Abatement and Control (ONAC) originally was tasked with implementing the Noise Control Act. However, it was eventually eliminated leaving other federal agencies and committees to develop noise policies and programs. Some examples of these agencies are as follows: The Department of Transportation (DOT) assumed a significant role in noise control through its various agencies. The Federal Aviation Agency (FAA) is responsible to regulate noise from aircraft and airports. The Federal Highway Administration (FHWA) is responsible to regulate noise from the interstate highway system. The Occupational Safety and Health Administration (OSHA) is responsible for the prohibition of excessive noise exposure to workers.

The federal government advocates that local jurisdiction use their land use regulatory authority to arrange new development in such a way that “noise sensitive” uses are either prohibited from being constructed adjacent to a highway or, or alternatively that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by the transportation source, the City is restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

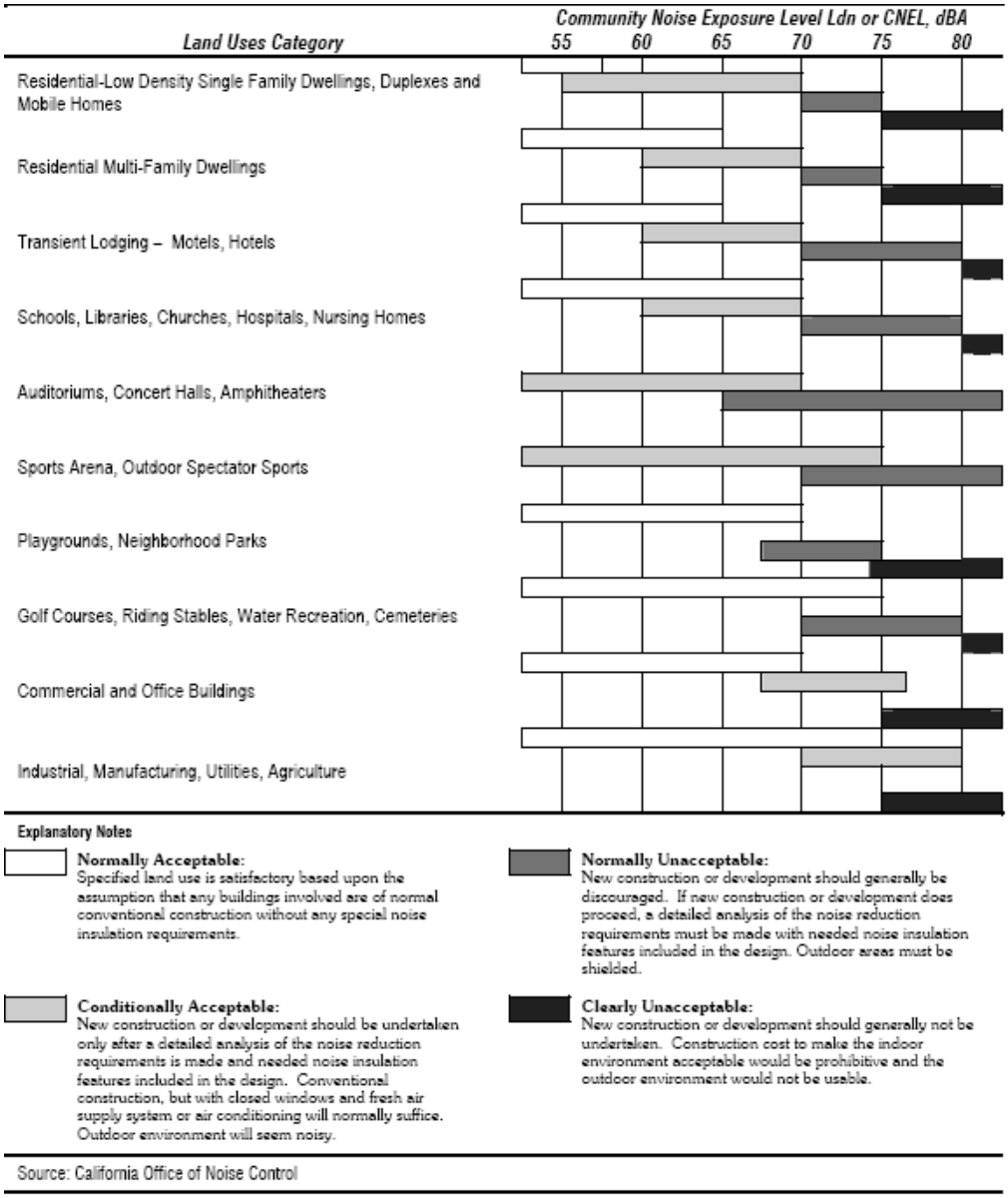
4.2 State Regulations

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the “Land Use Compatibility for Community Noise Environments Matrix.” The matrix allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise.

The State of California has established noise insulation standards as outlined in Title 24 and the Uniform Building Code (UBC) which in some cases requires acoustical analyses to outline exterior noise levels and to ensure interior noise levels do not exceed the interior threshold. The State mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan.

The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable as illustrated in Exhibit D.

Exhibit D: Land Use Compatibility Guidelines



4.3 City of Compton Noise Regulations

The City of Compton outlines their noise regulations and standards within the Noise Element from the General Plan and the Noise Ordinance from the Municipal Code.

City of Compton General Plan

Applicable policies and standards governing environmental noise in the City are set forth in the General Plan Noise Element. Table N-2 of the Compton Noise Element outlines the interior and exterior noise standards for community noise environments. According to Table N-2 multifamily residential noise limits are 45 dBA CNEL interior and 65 dBA CNEL exterior. It should be noted that if exterior levels exceed this limit, the architectural design should be such that interior noise levels are not greater than 45 dBA. The project will be compared to these noise limits.

In addition to the noise standards, the City has outlined goals, policies and implementation measures to reduce potential noise impacts and are presented below:

Goals, Policies, and Implementation Measures

Policies, goals and implementation program measures from the Noise Element that would mitigate potential impacts on noise include the following.

Goal 1.0: Reduce noise impacts from transportation noise sources.

Policy 1.1 (L): Construction of barriers along freeways, railroads, and Alameda Corridor when necessary to shield noise-sensitive uses from excessive noise.

Policy 1.2 (L): Include noise mitigation measures in the design of new roadway projects in Compton.

Policy 1.3 (L): Reduce transportation noise through proper design and coordination of new or remodeled transportation and circulation facilities.

Policy 1.4 (L): Enforce City, State, and Federal noise standards, especially those for mufflers and modified exhaust systems.

Policy 1.5 (S): Monitor noise from buses and other heavy vehicles in residential areas. If necessary, consider alternative circulation routes for those types of vehicles.

Policy 1.6 (M): Discourage through-traffic in residential neighborhoods by use of speed bumps.

Policy 1.7 (L): Require that new transportation equipment purchased by the City of Compton comply with noise performance standards.

Policy 1.8 (S): Ensure that noise mitigation considerations are incorporated into the design of the Alameda Corridor.

Policy 1.9 (S): Encourage the SCRTD to implement measures to reduce impact of Blue Line horn.

Policy 1.10 (L): Encourage Compton Airport to implement noise reduction methods for aircraft, especially at landing and take-off.

Goal 2.0: Incorporate noise considerations into land use planning decisions.

Policy 2.1 (S): Establish acceptable limits of noise for various land uses throughout the community, in accordance with Table N-2.

Policy 2.2 (L): Ensure acceptable noise levels near schools, hospitals, convalescent homes, and other noise sensitive areas, in accordance with Table N-1.

Policy 2.3 (S): Establish standards for all types of noise not already governed by local ordinances or preempted by state or federal law.

Policy 2.4 (L): Require noise reduction techniques in site and architectural design and construction where noise reduction is necessary.

Policy 2.5 (L): Discourage and, if necessary, prohibit location of noise-sensitive land uses in noisy environments, including near railroad tracks, freeways, and Compton Airport.

Goal 3.0: Minimize noise spillover from commercial and industrial uses into nearby residential neighborhoods.

Policy 3.1 (L): Enforce the 65 db(A) State standard for exterior noise levels for all commercial uses.

Policy 3.2 (S): Require that a minimum 15-foot, landscaped buffer be provided between a commercial or mixed-use structure and an adjoining residential parcel.

Policy 3.3 (S): Require that automobile and truck access to commercial or industrial properties located adjacent to residential parcels be located at the maximum practical distance from residential parcel.

Policy 3.4 (L): Prohibit truck deliveries to commercial and industrial properties abutting residential uses before 7 a.m. and after 9 p.m., unless there is no feasible alternative.

Goal 4.0: Minimize the noise impacts associated with the development of residential units above ground floor commercial uses in mixed-use developments.

Policy 4.1 (S): Require that commercial uses development as part of a mixed-use project (with residential uses) not be noise intensive.

Policy 4.2 (S): Require that mixed-use structures be designed to prevent transfer of noise and vibration from the commercial to the residential use.

Policy 4.3 (L): Orient mixed-use residential units away from major noise sources.

Policy 4.4 (L): Locate balconies and openable windows of residential units in mixed-use projects away from the primary street and other major noise sources.

Goal 5.0: Develop measures to control non-transportation noise impact.

Policy 5.1 (S): Adopt and updated comprehensive City Noise Ordinance to control excessive noise from lawn blowers, trimmers, machinery, or other disturbances.

Policy 5.2 (L): Reduce noise generated by construction activities by requiring sound attenuation devices on construction equipment.

Policy 5.3 (L): Establish and maintain coordination among the agencies involved in noise abatement.

Construction Noise Regulations

Section 7-12.22 of the City of Compton General Plan regulates construction noise. The General Plan states, No person shall cause or permit any work to be done or do any work on the erection (including excavation), unless the noise caused thereby is confined within a building, or use any pile driver, steam shovel, pneumatic hammer, derrick, steam or electric hoist, unless the noise caused thereby is confined within a building, other than between the hours of 7:00 AM and 7:00 PM on Monday through Sunday, except in cases of urgent necessity in the interest of public health and safety and then only with a permit from the building official. No such permit shall be granted for a period of more than three (3) days but may be renewed from time to time so long as the emergency exists.

5.0 Study Method and Procedure

The following section describes the noise modeling procedures and assumptions used for this assessment.

5.1 Noise Measurement Procedure and Criteria

Noise measurements are taken to determine the existing noise levels. A noise receiver or receptor is any location in the noise analysis in which noise might produce an impact. The following criteria are used to select measurement locations and receptors:

- Locations expected to receive the highest noise impacts, such as first row of houses
- Locations that are acoustically representative and equivalent of the area of concern
- Human land usage
- Sites clear of major obstruction and contamination

MD conducted the sound level measurements in accordance to the City of Compton which is similar to CalTrans technical noise specifications. All measurements equipment meets American National Standards Institute (ANSI) specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA). The following gives a brief description of the Caltrans Technical Noise Supplement procedures for sound level measurements:

- Microphones for sound level meters were placed 5-feet above the ground for all measurements
- Sound level meters were calibrated (Larson Davis CAL 200) before and after each measurement
- Following the calibration of equipment, a wind screen was placed over the microphone
- Frequency weighting was set on “A” and slow response
- Results of the long-term noise measurements were recorded on field data sheets
- During any short-term noise measurements any noise contaminations such as barking dogs, local traffic, lawn mowers, or aircraft fly-overs were noted
- Temperature and sky conditions were observed and documented

5.2 Noise Measurement Locations

Noise monitoring locations were selected based on the distance from Compton Blvd to the nearest sensitive on-site receptors. Short-term noise measurements were conducted near the corner portions of the project site and are illustrated in Exhibit E. Appendix A includes photos, field sheet, and measured noise data. Exhibit E illustrates the location of the measurements.

5.3 FHWA Traffic Noise Prediction Model/SoundPlan

Traffic noise from vehicular traffic was projected using a computer program that replicates the FHWA Traffic Noise Prediction Model (FHWA-RD-77-108). The FHWA model arrives at the predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). Roadway volumes and percentages correspond to the project’s traffic impact study as prepared by TJW Engineering (TJW Engineering, TNC-18-01 – MHSR Apartments Traffic Impact Assessment, Jan 2019) and

roadway classification. The referenced traffic data was applied to the model and is in Appendix B. The following outlines the key adjustments made to the REMEL for the roadway inputs:

- Roadway classification – (e.g. freeway, major arterial, arterial, secondary, collector, etc),
- Roadway Active Width – (distance between the center of the outer most travel lanes on each side of the roadway)
- Average Daily Traffic Volumes (ADT), Travel Speeds, Percentages of automobiles, medium trucks and heavy trucks
- Roadway grade and angle of view
- Site Conditions (e.g. soft vs. hard)
- Percentage of total ADT which flows each hour through-out a 24-hour period

Table 1 indicates the roadway parameters and vehicle distribution utilized for this study.

Table 1: Roadway Parameters and Vehicle Distribution

Roadway	Segment	LOS D ADT[1]	LOS D + Project ADT[1]	Speed (MPH)	Site Conditions
Compton Blvd	Secondary Highway	25,357	25,796	35	Soft
Compton Blvd Vehicle Distribution and Mix[2]					
Motor-Vehicle Type		**Daytime % (7AM to 7 PM)**	**Evening % (7 PM to 10 PM)**	**Night % (10 PM to 7 AM)**	**Total % of Traffic Flow**
Automobiles		77.5	12.9	9.6	97.42
Medium Trucks		84.8	4.9	10.3	1.54
Heavy Trucks		86.5	2.7	10.8	0.74

Notes:
[1] Existing ADT and Existing + Project volumes for Compton Blvd are from the City of Compton's Circulation element
[2] Vehicle distribution data is based on typical Southern California roadway vehicle percentages for Secondary Arterials.

To determine the project's noise impact to the surrounding land uses, MD generated noise contours for LOS D, and LOS D + project conditions. Noise contours are used to provide a characterization of sound levels experienced at a set distance from the centerline of a subject roadway. They are intended to represent a worst-case scenario and do not take into account structures, sound walls, topography, and/or other sound attenuating features which may further reduce the actual noise level. Noise contours are developed for comparative purposes and are used to demonstrate potential increases/decreases along subject roadways as a result of a project.

In addition, this assessment calculates future traffic noise levels at the project site associated with Compton Boulevard. For the purpose of this evaluation MD used the existing + project to represent the future noise level to the first row of residential units with direct line of sight to Compton Blvd. The traffic noise calculation worksheet outputs are located in Appendix B.

5.4 Interior Noise Modeling

The interior noise level is the difference between the projected exterior noise level at the structure's facade and the noise reduction provided by the structure itself. Typical building construction will provide a conservative 12 dBA noise level reduction with a "windows open" condition and a very conservative 20 dBA noise level reduction with "windows closed". MD estimated the interior noise level by subtracting the building shell design from the predicted exterior noise level.

With the "windows closed" the project will require mechanical fresh air ventilation (e.g. air conditioning) to the habitable dwelling units.

5.5 FHWA Roadway Construction Noise Model

The construction noise analysis utilizes the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RNCM), together with several key construction parameters. Key inputs include distance to the sensitive receiver, equipment usage, % usage factor, and baseline parameters for the project site.

The project was analyzed based on the different construction phases. Construction noise is expected to be loudest during the grading, concrete and building phases of construction. The construction noise calculation output worksheet is located in Appendix C. The following assumptions relevant to short-term construction noise impacts were used:

- It is estimated that construction will occur over a year to year and a half time period. Construction noise is expected to be the loudest during the grading, concrete, and building phases.

Exhibit E
Measurement Location

X = Measurement location

= boundary

6.0 Existing Noise Environment

Four (4) short term ambient noise measurement was conducted at the project site. The measurements measured the 1-hour Leq, Lmin, Lmax and other statistical data (e.g. L2, L8). The noise measurement was taken to determine the existing baseline noise conditions.

6.1 Short-Term Noise Measurement Results

The results of the Short-term noise data are presented in Table 2.

Table 2: Short-Term Nosie Measurement Data (dBA)[1]

Location	Date	Start Time	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)
Site 1	5/14/2019	10:42 AM	69.6	85.8	45.2	44.9	46.9	54.5	53.9
Site 2	5/14/2019	11:08 AM	73.3	92.3	48.0	55.3	59.0	61.4	65.8
Site 3	5/14/2019	11:16 AM	49.7	91.2	37.4	46.8	47.1	52.4	55.4
Site 4	5/14/2019	11:23 AM	54.1	94.8	41.9	44.9	46.9	54.5	53.9

Notes:
1. Measurements were taken over a ten-minute interval. Measurement locations are indicated in Exhibit E.

Short-term noise data indicates the ambient noise levels range between 54.1 to 73.3 dBA Leq. The measured noise levels and field notes indicate that traffic noise is the main source of noise impacting the project site.

7.0 Future Noise Environment Impacts and Mitigation

This assessment analyzes future noise impacts to the project and compares the results to the City's Noise Standards. The analysis details the estimated exterior noise levels associated with traffic from adjacent roadway sources.

7.1 Future Exterior Noise

The following outlines the exterior noise levels associated with the proposed project.

7.1.1 Off-site Traffic Noise Impact

The potential off-site noise impacts caused by the increase in vehicular traffic as a result of the project were calculated at a distance of 50 feet. The distance to the 55, 60, 65, and 70 dBA CNEL noise contours are also provided for reference. The noise level at 50 feet is representative of approximate distances to existing homes along the subject roadway. The noise contours were calculated for the following scenarios and conditions:

- LOS D Condition: This scenario refers to the existing year traffic noise condition and is demonstrated in Table 3.

- LOS D + Project Condition: This scenario refers to the existing year plus project traffic noise condition and is demonstrated in Table 3.

LOS D/LOS D + Project Scenario Comparison

Table 3 provides the LOS D and LOS D + Project noise conditions and shows the change in noise level as a result of the proposed project. As shown in Table 3, the increase in traffic noise for the Existing and Existing + Project scenario would have a nominal increase of 0.1 dBA at 50 feet from the centerline of the subject roadway.

Table 3: LOS D Scenario – Noise Levels Along Roadways (dBA CNEL)

LOS D Without Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	36	78	169	363

Change in LOS D + Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	37	79	171	367

Change in LOS D Noise Levels as a Result of Projects

Roadway[1]	Segment	CNEL at 50 Feet dBA[2]			
		Existing Without Project	Existing With Project	Change in Noise Level	Potential Significant Impact
Compton Blvd	Wilmington Ave to S Central Ave	68	68.0	0.1	No

Notes:
[1] Exterior noise levels calculated at 5 feet above ground level.
[2] Noise levels calculated from centerline of subject roadway.

7.1.2 On-Site Traffic Noise Impact

Traffic noise from the local roadway network was evaluated and compared to the City's Exterior Noise Standard. Per the City's Exterior Noise Standard (Table N-2 from the City's General Plan, Noise Element), multi-family residential noise limit is 65 dBA CNEL. As shown in Table 3, Existing Plus Project traffic 65 dBA CNEL noise projections from Compton Blvd will reach up to 79 feet from the centerline of the road. Residential structures are located approximately 50 feet away from the centerline of Compton Blvd and have a projected noise level of 68 dBA. It should be noted that the existing noise level exceeds the 65 dBA noise limit so 68 dBA becomes the standard.

7.2 Interior Noise Levels

The future interior noise level was calculated for the sensitive receptor locations using a typical "windows open" and "windows closed" condition. A "windows open" condition assumes 12 dBA of noise attenuation from the exterior noise level. A "windows closed" condition" assumes 20 dBA of noise attenuation from the exterior noise level. Table 4 indicates the first and second floor interior noise levels for the project site.

Table 4: Future Interior Noise Levels (dBA CNEL)

Location	Roadway Noise Source	Exterior Facade Study Location	Noise Level at Building Facade1	Interior Noise Reduction Required to Meet Interior Noise Standard of 45 dBA CNEL	Interior Noise Level w/ Typical Residential Windows (STC≥ 25)		STC Rating for Windows Facing Subject Roadway4
					Window Open2	Windows Closed3	
1st Row Units Along Northern Property Line	Compton Blvd	1st Floor	68	23	56	48	26
		2nd Floor	68	23	56	48	26

Notes:
1. Noise level from Table 5 and from worksheets Appendix C.
2. A minimum of 12 dBA noise reduction is assumed with a "windows open" condition.
3. A minimum of 20 dBA noise reduction is assumed with a "windows closed" condition.
4. Indicates the required STC rating to meet the interior noise standard.

As shown in Table 4, the interior noise level will range from 56 dBA CNEL with the windows open and 48 dBA CNEL with the windows closed.

To meet the City's interior 45 dBA CNEL standard a "windows closed" condition is required. The windows and sliding glass doors directly facing the Compton Blvd will require a minimum STC rating of 26 for the 1st floor and 2nd floors. A "windows closed" condition simply means that in order to achieve a 45 dBA CNEL interior noise level, the windows must be closed and does not mean the windows must be fixed.

8.0 Construction Noise Impact

The degree of construction noise may vary for different areas of the project site and also vary depending on the construction activities. Noise levels associated with the construction will vary with the different phases of construction. The construction noise and vibration level projections are provided in the sections below.

8.1 Construction Noise

The Environmental Protection Agency (EPA) has compiled data regarding the noise generated characteristics of typical construction activities. The data is presented in Table 5.

Table 5: Typical Construction Noise Levels[1]

Equipment Powered by Internal Combustion Engines

Type	Noise Levels (dBA) at 50 Feet
Earth Moving	
Compactors (Rollers)	73 - 76
Front Loaders	73 - 84
Backhoes	73 - 92
Tractors	75 - 95
Scrapers, Graders	78 - 92
Pavers	85 - 87
Trucks	81 - 94
Materials Handling	
Concrete Mixers	72 - 87
Concrete Pumps	81 - 83
Cranes (Movable)	72 - 86
Cranes (Derrick)	85 - 87
Stationary	
Pumps	68 - 71
Generators	71 - 83
Compressors	75 - 86

Impact Equipment

Type	Noise Levels (dBA) at 50 Feet
Saws	71 - 82
Vibrators	68 - 82

Notes:
[1] Referenced Noise Levels from the Environmental Protection Agency (EPA)

Construction is anticipated to occur during the permissible hours according the City's General Plan. Construction noise is considered a short-term impact and would be considered significant if construction activities are taken outside the allowable times as described in the City's General Plan (Section 7-12.22). Construction noise will have a temporary or periodic increase in the ambient noise level above the existing within the project vicinity. Furthermore, noise reduction measures are provided to further reduce construction noise. The construction noise impact is considered less than significant; however, construction noise level projections are provided.

Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Noise levels will be loudest during grading phase. A likely worst-case construction noise scenario during grading assumes the use of a grader, a dozer, an excavator, and three (3) backhoes operating at 80 feet from the nearest sensitive receptor.

To ensure that construction activities do not disrupt the adjacent land uses, the following noise reduction measures should be taken:

1. Construction shall occur during the hours of 7:00 AM to 8:00 PM.

2. Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.

3. Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses, as feasible.

4. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.

5. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

8.2 Construction Vibration

Construction activities can produce vibration that may be felt by adjacent land uses. The construction of the proposed project would not require the use of equipment such as pile drivers, which are known to generate substantial construction vibration levels. The primary vibration source during construction may be from a bull dozer. A large bull dozer has a vibration impact of 0.089 inches per second peak particle velocity (PPV) at 25 feet which is perceptible but below any risk to architectural damage.

The fundamental equation used to calculate vibration propagation through average soil conditions and distance is as follows:

$$PPV_{equipment} = PPV_{ref} (100/D_{rec})^n$$

Where: PPV_{ref} = reference PPV at 100ft.
D_{rec} = distance from equipment to receiver in ft.
n = 1.1 (the value related to the attenuation rate through ground)

The thresholds from the Caltrans Transportation and Construction Induced Vibration Guidance Manual in Table 6 (below) provides general thresholds and guidelines as to the vibration damage potential from vibratory impacts.

Table 6: Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Table 19, Transportation and Construction Vibration Guidance Manual, Caltrans, Sept. 2013.
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

Table 7 gives approximate vibration levels for particular construction activities. This data provides a reasonable estimate for a wide range of soil conditions.

Table 7: Vibration Source Levels for Construction Equipment[1]

Equipment	Peak Particle Velocity (inches/second) at 25 feet	Approximate Vibration Level LV (dVB) at 25 feet
Pile driver (impact)	1.518 (upper range)	112
	0.644 (typical)	104
Pile driver (sonic)	0.734 upper range	105
	0.170 typical	93
Clam shovel drop (slurry wall)	0.202	94
Hydromill	0.008 in soil	66
(slurry wall)	0.017 in rock	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large bulldozer	0.089	87
Caisson drill	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

[1] Source: Transit Noise and Vibration Impact Assessment, Federal Transit Administration, May 2006.

At a distance of 80 feet, a large bulldozer would yield a worst-case 0.025 PPV (in/sec) which slightly perceptible but sustainably below any risk of damage (0.5 in/sec PPV is the threshold of residential structures). The impact is less than significant, and no mitigation is required.

8.3 Construction Noise Reduction Measures

Construction operations must follow the City's General Plan and the Noise Ordinance, which states that construction, repair or excavation work performed must occur within the permissible hours. To further

ensure that construction activities do not disrupt the adjacent land uses, the following measures should be taken:

1. Construction should occur during the permissible hours as defined in Section 7-12.22.

2. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.

3. The contractor should locate equipment staging areas that will create the greatest distance between construction-related noise/vibration sources and sensitive receptors nearest the project site during all project construction.

4. Idling equipment should be turned off when not in use.

5. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

9.0 References

State of California General Plan Guidelines: 1998. Governor's Office of Planning and Research

City of Compton : Noise Element .

County of LA: Noise Ordinance.

Caltrans Noise Technical Manual. 2013

Konan Vibration Criteria

Appendix A:

Field Measurement Data

MD ACOUSTICS
Sound Solutions for Planning and Design
www.mdacoustics.com

AZ Office
4960 S. Gilbert Rd, Ste 1-461
Chandler, AZ 85249

CA Office
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

10-Minute Noise Measurement Datasheet

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Date: 5/14/2019
Field Tech/Engineer: Jason Schuyler / Robert Pearson

Site Observations: Cloudy 63 Degrees, No wind. Lots of local residents and activity in the area made a 24hr measurement impossible. An Ambulance drove past durring NM2 readings.

General Location:
Sound Meter: NTi Audio **SN:** A2A-05967-E0
Settings: A-weighted, slow, 1-sec, 10-minute interval
Meteorological Con.: 63 degrees F, no wind.
Site ID: ST-1 thru ST-4

Site Topo: Flat
Ground Type: Hard site conditions, reflective

Noise Source(s) w/ Distance:

NM1 is 50' from C/L of Dwight, 32' from C/L of Compton Ave

NM2 is 32' toC/L of Kemp, 34' to C/L of Compton Ave.

NM 3 is 23' to C/L of Kemp, 25' to C/L of 151st

NM4 is 22' to C/L of 151st, 27' to C/L of Dwight

Figure 1: Monitoring Locations

Figure 2: ST-1 Photo

Figure 3: ST-2 Photo

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1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-1 thru ST-4

Figure 4: ST-3 Photo

Figure 5: ST-4 Photo

Table 1: Morning - Baseline Noise Measurement Summary

Location	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
1	10:42 AM	10:47 AM	69.6	85.8	45.2	44.9	46.9	54.5	53.9	51.2
2	11:08 AM	11:13 AM	73.3	92.3	48.0	55.3	59.0	61.4	65.8	65.3
3	11:16 AM	11:21 AM	49.7	91.2	37.4	46.8	47.1	52.4	55.4	52.2
4	11:23 AM	11:28 AM	54.1	94.8	41.9	44.9	46.9	54.5	53.9	51.2

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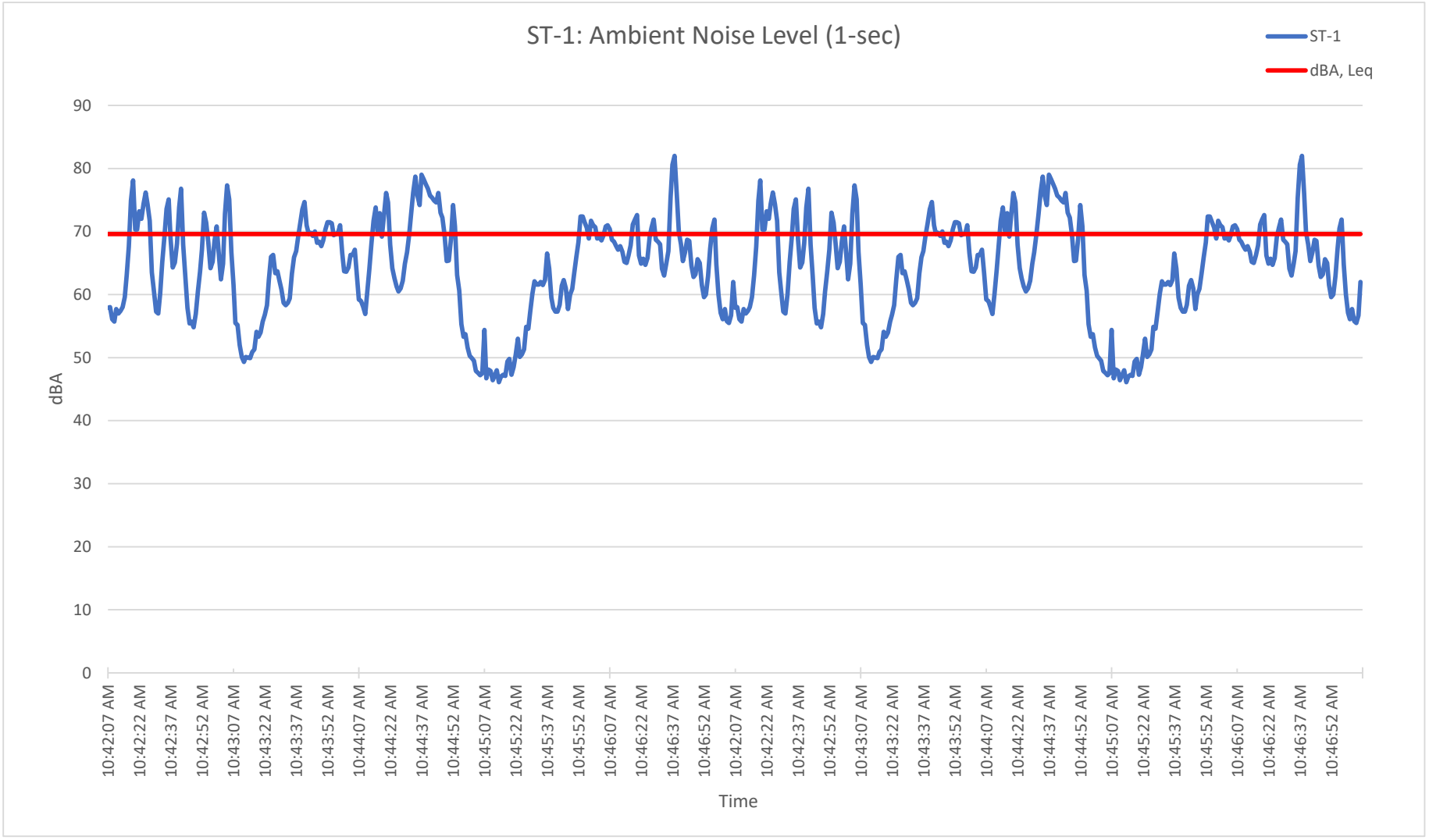
Chandler, AZ 85249

CA Office
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-1



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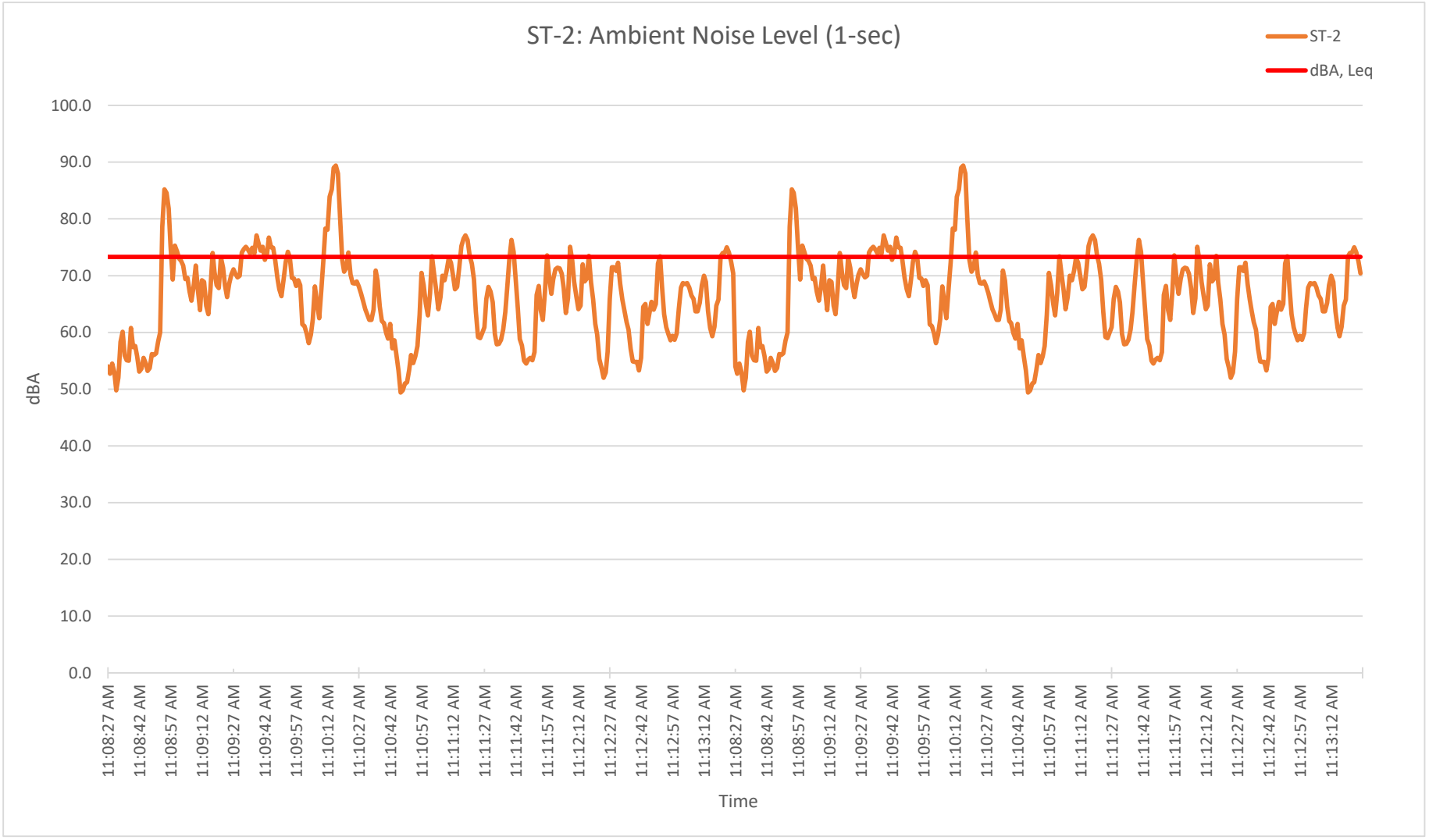
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-2



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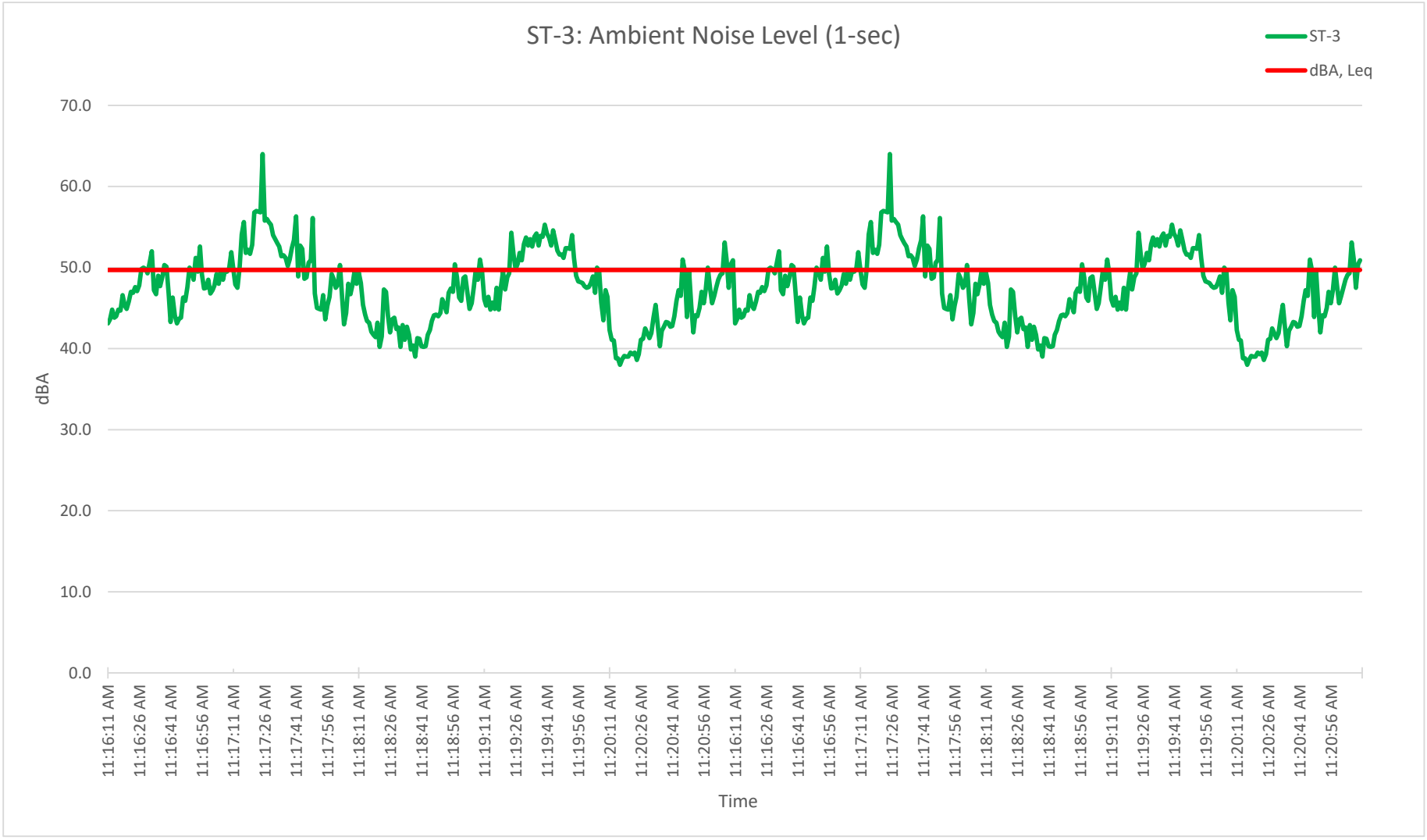
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-3



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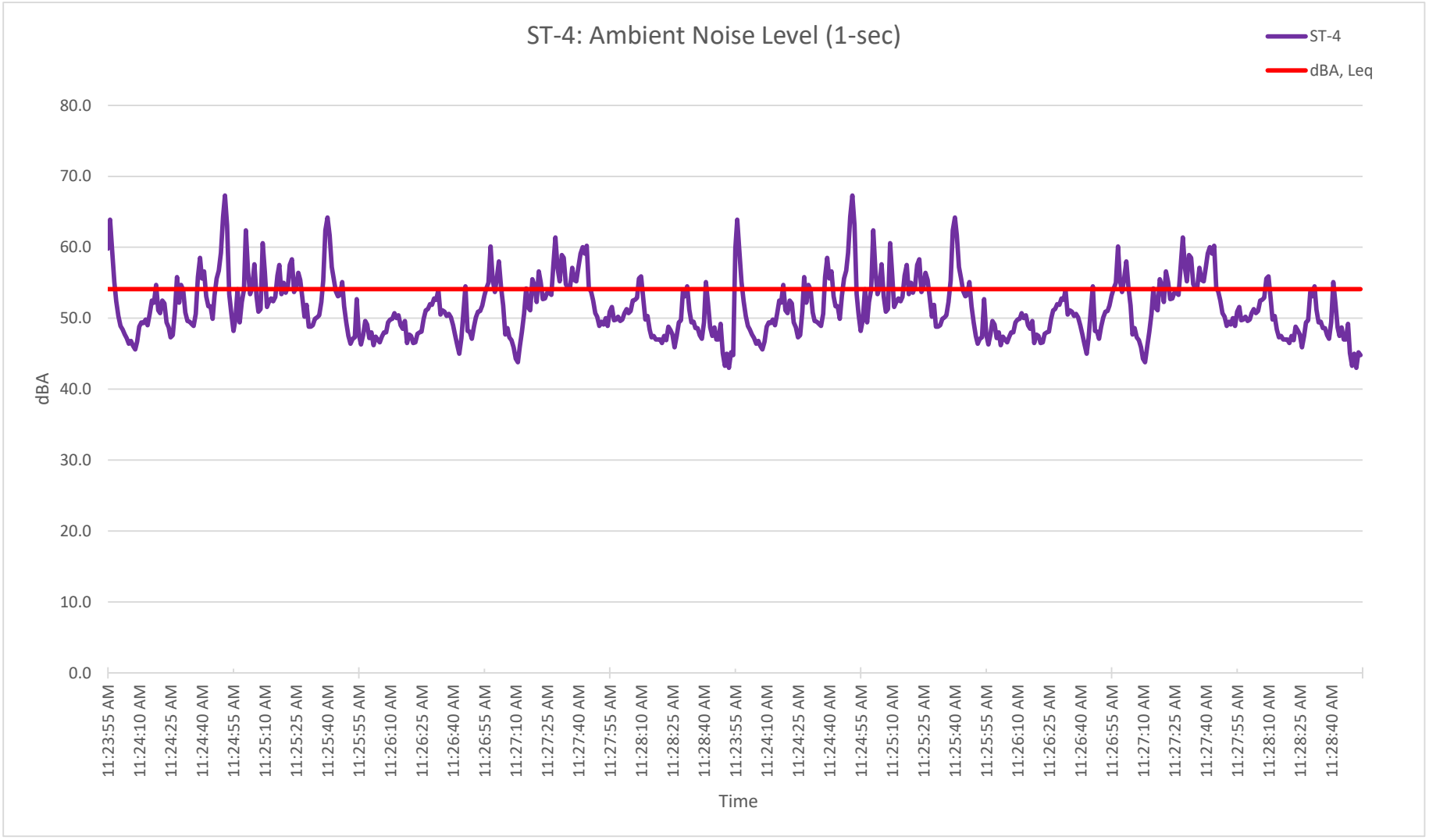
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-4



Appendix B:

Traffic Data

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -EXISTING
LOCATION: 1ST FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,357	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,536	

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		45
RECEIVER HEIGHT =		5.0
WALL DISTANCE FROM RECEIVER		5
PAD ELEVATION =		0.5
ROADWAY VIEW:	LF ANGLE=	-90
	RT ANGLE=	90
	DF ANGLE=	180

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	50.12	- -
MEDIUM TRUCKS	4.0	50.02	- -
HEAVY TRUCKS	8.0	50.06	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.3	57.3	65.9	66.5
MEDIUM TRUCKS	59.5	58.0	51.6	50.1	58.5	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.5	66.7	63.8	58.9	67.4	67.9

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.3	57.3	65.9	66.5
MEDIUM TRUCKS	59.5	58.0	51.6	50.1	58.5	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.5	66.7	63.8	58.9	67.4	67.9

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	36	78	169	363
LDN	34	73	157	338

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -EXISTING
LOCATION: 2ND FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,357	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,536	

RECEIVER INPUT DATA

RECEIVER DISTANCE =	50	
DIST C/L TO WALL =	45	
RECEIVER HEIGHT =	15.0	
WALL DISTANCE FROM RECEIVER	5	
PAD ELEVATION =	0.5	
ROADWAY VIEW: LF ANGLE=	-90	
RT ANGLE=	90	
DF ANGLE=	180	

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	51.79	- -
MEDIUM TRUCKS	4.0	51.31	- -
HEAVY TRUCKS	8.0	50.56	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.1	57.0	65.7	66.3
MEDIUM TRUCKS	59.3	57.8	51.4	49.9	58.3	58.6
HEAVY TRUCKS	60.7	59.2	50.2	51.4	59.8	59.9
NOISE LEVELS (dBA)	68.3	66.5	63.6	58.7	67.3	67.7

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.1	57.0	65.7	66.3
MEDIUM TRUCKS	59.3	57.8	51.4	49.9	58.3	58.6
HEAVY TRUCKS	60.7	59.2	50.2	51.4	59.8	59.9
NOISE LEVELS (dBA)	68.3	66.5	63.6	58.7	67.3	67.7

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	35	76	164	353
LDN	33	71	152	328

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -E+P
LOCATION: 1ST FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,796	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,580	

RECEIVER INPUT DATA

RECEIVER DISTANCE =	50	
DIST C/L TO WALL =	45	
RECEIVER HEIGHT =	5.0	
WALL DISTANCE FROM RECEIVER	5	
PAD ELEVATION =	0.5	
ROADWAY VIEW: LF ANGLE=	-90	
RT ANGLE=	90	
DF ANGLE=	180	

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	50.12	- -
MEDIUM TRUCKS	4.0	50.02	- -
HEAVY TRUCKS	8.0	50.06	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.4	57.3	65.9	66.6
MEDIUM TRUCKS	59.5	58.0	51.7	50.1	58.6	58.8
HEAVY TRUCKS	60.8	59.4	50.3	51.6	59.9	60.1
NOISE LEVELS (dBA)	68.6	66.8	63.9	59.0	67.5	68.0

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.4	57.3	65.9	66.6
MEDIUM TRUCKS	59.5	58.0	51.7	50.1	58.6	58.8
HEAVY TRUCKS	60.8	59.4	50.3	51.6	59.9	60.1
NOISE LEVELS (dBA)	68.6	66.8	63.9	59.0	67.5	68.0

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	37	79	171	367
LDN	34	74	158	341

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -E+P
LOCATION: 2ND FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,796	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,580	

RECEIVER INPUT DATA

RECEIVER DISTANCE =	50	
DIST C/L TO WALL =	45	
RECEIVER HEIGHT =	15.0	
WALL DISTANCE FROM RECEIVER	5	
PAD ELEVATION =	0.5	
ROADWAY VIEW: LF ANGLE=	-90	
RT ANGLE=	90	
DF ANGLE=	180	

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	51.79	- -
MEDIUM TRUCKS	4.0	51.31	- -
HEAVY TRUCKS	8.0	50.56	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.2	57.1	65.7	66.3
MEDIUM TRUCKS	59.4	57.9	51.5	50.0	58.4	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.4	66.6	63.7	58.8	67.3	67.8

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.2	57.1	65.7	66.3
MEDIUM TRUCKS	59.4	57.9	51.5	50.0	58.4	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.4	66.6	63.7	58.8	67.3	67.8

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	36	77	166	357
LDN	33	72	154	332

Appendix C:

Construction Noise Modeling Output

Grading — L_{Max} at 180 feet dBA

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor[1]	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA) Lmax	Calculated (dBA) Leq	Energy
1	Grader	86	1	40	180	0.5	0	72.1	68.1	6475953.76
2	Dozer	85	1	40	180	0.5	0	71.1	67.1	5144032.92
3	Excavator	86	1	40	180	0.5	0	72.1	68.1	6475953.76
4	Tractor/Backhoe	80	3	40	180	0.5	0	70.9	66.9	4880058.12
							Lmax*	**75**	**Leq**	**74**
							Lw	**104**	**Lw**	**105**

Source: MD Acoustics, May. 2019.

1- Percentage of time that a piece of equipment is operating at full power.

dBA – A-weighted Decibels

Lmax- Maximum Level

Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding LeqdBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	15.2	0.5	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59
60	18.3	0.5	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57
70	21.3	0.5	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55
80	24.4	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
90	27.4	0.5	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
100	30.5	0.5	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
110	33.5	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
120	36.6	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
130	39.6	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
140	42.7	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
150	45.7	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
160	48.8	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
170	51.8	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
180	54.9	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
190	57.9	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
200	61.0	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
210	64.0	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
220	67.1	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
230	70.1	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
240	73.1	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
250	76.2	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
260	79.2	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
270	82.3	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
280	85.3	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
290	88.4	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
300	91.4	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
310	94.5	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
320	97.5	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
330	100.6	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
340	103.6	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
350	106.7	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
360	109.7	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
370	112.8	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37

Building Construction L_{Max} **at 180 feet dBA**

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor[1]	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA) Lmax	Calculated (dBA) Leq	Energy
1	Cranes	82	1	40	180	0.5	0	68.1	64.1	2578123.63
2	Forklift/Tractor	80	3	40	180	0.5	0	70.9	66.9	4880058.12
3	Generator	80	1	40	180	0.5	0	66.1	62.1	1626686.04
4	Tractor/Backhoe	80	3	40	180	0.5	0	70.9	66.9	4880058.12
							Lmax*	**73**	**Leq**	**71**
							Lw	**104**	**Lw**	**103**

Source: MD Acoustics, May. 2019.
1- Percentage of time that a piece of equipment is operating at full power.
dBA – A-weighted Decibels
Lmax- Maximum Level
Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding LeqdBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	**15.2**	**0.5**	**71**	**70**	**69**	**68**	**67**	**66**	**65**	**64**	**63**	**62**	**61**	**60**	**59**	**58**	**57**	**56**
60	18.3	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
70	21.3	0.5	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53
80	24.4	0.5	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
90	27.4	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
100	30.5	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
110	33.5	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	**49**	48
120	36.6	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
130	39.6	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
140	42.7	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
150	45.7	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
160	48.8	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
170	51.8	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
180	54.9	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
190	57.9	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
200	61.0	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
210	64.0	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
220	67.1	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
230	70.1	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
240	73.1	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
250	76.2	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
260	79.2	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
270	82.3	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
280	85.3	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
290	88.4	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
300	91.4	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
310	94.5	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
320	97.5	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
330	100.6	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
340	103.6	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
350	106.7	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
360	109.7	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
370	112.8	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35

Paving

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor[1]	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA) Lmax	Calculated (dBA) Leq	Energy
1	Pavers	86	2	40	180	0.5	0	75.1	71.1	12951907.5
2	Rollers	80	2	40	180	0.5	0	69.1	65.1	3253372.08
3	Paving Equipment	80	2	40	180	0.5	0	69.1	65.1	3253372.08
							Lmax*	**76**	**Leq**	**73**
							Lw	**108**	**Lw**	**105**

Source: MD Acoustics, May. 2019.
1- Percentage of time that a piece of equipment is operating at full power.
dBA – A-weighted Decibels
Lmax- Maximum Level
Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding LeqdBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	**15.2**	**0.5**	**73**	**72**	**71**	**70**	**69**	**68**	**67**	**66**	**65**	**64**	**63**	**62**	**61**	**60**	**59**	**58**
60	18.3	0.5	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56
70	21.3	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
80	24.4	0.5	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53
90	27.4	0.5	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
100	30.5	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
110	33.5	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	**50**	49
120	36.6	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
130	39.6	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
140	42.7	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
150	45.7	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
160	48.8	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
170	51.8	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
180	54.9	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
190	57.9	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
200	61.0	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
210	64.0	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
220	67.1	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
230	70.1	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
240	73.1	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
250	76.2	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
260	79.2	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
270	82.3	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
280	85.3	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
290	88.4	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
300	91.4	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
310	94.5	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
320	97.5	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
330	100.6	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
340	103.6	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
350	106.7	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
360	109.7	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
370	112.8	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36

VIBRATION LEVEL IMPACT

Project:	Compton Residential	Date: 2/23/21
Source:	Large Bulldozer	
Scenario:	Unmitigated	
Location:	Project Site	
Address:		

PPV = PPVref(25/D)^n (in/sec)

DATA INPUT

Equipment = Type	2	Large Bulldozer	INPUT SECTION IN BLUE
PPVref =	0.089	Reference PPV (in/sec) at 25 ft.	
D =	50.00	Distance from Equipment to Receiver (ft)	
n =	1.10	Vibration attenuation rate through the ground	

Note: Based on reference equations from Vibration Guidance Manual, California Department of Transportation, 2006, pgs 38-43.

DATA OUT RESULTS

PPV =	**0.042**	IN/SEC	OUTPUT IN RED

Preliminary Low Impact Development (LID) Plan

Prepared for:
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Kim Prijatel
(949) 258-7555

Property:
TTM 82807
APN 6161-001-902
930 W. Compton Boulevard
Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Philip Malcomson, P.E.

Preparation Date: August 2019
Revised: March 2021

Receipt of WDID

REPLACE THIS SHEET

To be provided prior to final approval

Notice of Intent

REPLACE THIS SHEET

To be provided prior to final approval

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Project Owner's Certification of the Preliminary Low Impact Development (LID) Plan

Project Name: ***Concord***

Project Number: **Tentative Tract Map No. 82807**
APN 6161-001-902

Project Address: **930 W. Compton Boulevard**
Compton, CA 90220

This Preliminary Low Impact Development (LID) Plan for the ***Concord*** (***TM 82807)*** project has been prepared for City Ventures by C&V Consulting, Inc. It is intended to comply with the requirements of the City of Compton's Conditions of Approval.

The undersigned is authorized to approve implementation of provisions of this plan as appropriate, and will strive to have the plan carried out by successors consistent with the County of Los Angeles LID Manual and the intent of the NPDES storm water requirements.

"I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner's Name:	Kim Prijatel		
Owner's Title:	Vice President of Development		
Company:	City Ventures		
Address:	3121 Michelson Drive, Suite 150, Irvine, CA 92612		
Email:	kprijatel@cityventures.com		
Telephone No.:	(949) 258-7555		
Signature:		Date:	

Engineer Certification

Engineer's Name:	Philip Malcomson		
Engineer's Title:	President		
Company:	C&V Consulting, Inc.		
Address:	9830 Irvine Center Drive, Irvine, CA 92618		
Email:	pmalcomson@cvc-inc.net		
Telephone No.	(949) 916-3800		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2012-0175, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature		Date	
Place Stamp Here			

Section 200

A. Contact Information/List of Responsible Parties

The property contact information is:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

The property owner shall have primary responsibility and significant authority for the implementation, maintenance, and inspection of the property BMPs. Duties of the Owner include but are not limited to:

- Implementing all elements of the LID, including but not limited to:
  - Implementation of prompt and effective erosion and sediment control measures
  - Implementing all non-storm water management, and materials and waste management activities, such as: monitoring, discharges, general site clean-up; vehicle and equipment cleaning, spill control; good construction housekeeping to ensure that no materials other than storm water are discharged which may have an adverse effect on receiving waters or storm drain systems, etc.
- Pre-storm inspections
- Storm event inspections
- Post-storm inspections
- Routine inspections as described in the LID
- Ensuring elimination of all unauthorized discharges
- The Owner shall be assigned authority to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate all of the necessary corrections/repairs are made immediately, and that the project complies with the LID at all times.
- Managing and report any Illicit Connections or Illegal Discharges.

Section 300

A. References

The following documents are made a part of this LID by reference:

- Project plans and specifications for the City of Compton to support the ***Concord (TM 82807)*** project, prepared by C&V Consulting, Inc., 9830 Irvine Center Drive, Irvine, CA 92618.

- County of Los Angeles Department of Public Works, Low Impact Development Standards Manual dated February 2014

- State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

- California Stormwater BMP Handbook – Construction, January 2009.

- California Stormwater BMP Handbook – New Development and Redevelopment, January 2003.

- Los Angeles County Municipal Stormwater/ NPDES Permit Order R4-2012-0175

Section 400 – Body of LID

A. Objectives

This Low Impact Development (LID) Plan has four main objectives:

1) Identify all pollutant sources, including sources of sediment that may affect the quality of storm water discharges associated with daily use / activity (storm water discharges) from the property site.
2) Identify non-storm water discharges.
3) Identify, construct, implement and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the property site.
4) Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants.

B. Project Background and Description

The proposed project is located at 930 W. Compton Boulevard in the City of Compton, California and consists of approximately 2.45 acres. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west. The project proposes to construct eight buildings of 60 residential units with private garages, private drive aisles, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along W. 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open-space areas.

The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 99% for the existing condition of the site per LACPW Hydrology Manual. Proposed condition coverage is assumed to be 86% impervious based on land use per Hydrology Manual.

C. Vicinity Map

The site is located at 930 W. Compton Avenue off of the I-110 freeway in the City of Compton, County of Los Angeles. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west.

Refer to Figure 1 for the Vicinity Map.

D. Existing Site Drainage Condition

The existing site is relatively flat with elevations ranging between approximately 81 feet and 85 feet above mean sea level. Generally, the existing site drainage surface flows overland in the northeasterly direction and overflows into the rights-of-way of W. Compton Boulevard and S. Kemp Avenue. Within the public rights-of-way, drainage is captured by existing catch basins within W. Compton Boulevard and S. Kemp Avenue and conveyed to an existing Los Angeles County Flood Control District (LACFCD) 66" Reinforced Concrete storm drain facility within W. Compton Boulevard which outlets to the existing Compton Creek. Compton Creek flows in the southeasterly direction and outlets to the existing Los Angeles River which ultimately drains to the Pacific Ocean at San Pedro Bay. Water bodies downstream of the project site are listed on the most current 303 (d) List as follows:

- Compton Creek
    - Benthic-Macroinvertebrate Bioassessments
    - Coliform Bacteria
    - Copper
    - Lead
    - pH
    - Trash
- Los Angeles River
    - Ammonia
    - Cadmium
    - Coliform Bacteria
    - Dissolved Copper
    - Cyanide
    - Diazinon
    - Lead
    - Nutrients (Algae)
    - pH
    - Trash
    - Dissolved Zinc
- San Pedro Bay
    - Chlordane

All facilities downstream of the project site are engineered, therefore the project is exempt from Hydromodification Control requirements.

E. Proposed Site Drainage Conditions

The proposed development site comprises a total of 2.45 acres. The proposed site consists of 60 residential units with private garages, a private drive aisle, sidewalks, guest parking areas, and associated landscaping.

Proposed drainage will be directed as sheet flow overland and through a series of area drains towards proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to discharging to the existing LACFCD 66" storm drain within W. Compton Boulevard. The proposed area drain system will collect surface runoff within landscaped and backyard areas and convey flows directly to the proposed MWS Biofiltration Vaults via proposed underground storm drain. Street surface flows will be conveyed via proposed curb and gutter towards two (2) proposed curb-inlet catch basins located along the private drive aisle. The proposed catch basins will be equipped with a Dvert system designed to divert low flows to the proposed MWS Biofiltration Vaults. Treated stormwater will be conveyed via proposed underground storm drain to proposed underground detention systems which will be outflow controlled to mitigate peak discharge to the existing LACFCD storm drain within W. Compton Boulevard. During larger storm events and when the MWS Biofiltration Vaults are at capacity, the Dvert system within the catch basins and an internal bypass within the MWS Biofiltration Vaults will allow for high flows to bypass treatment and flow directly to the proposed detention systems via the proposed storm drain system. Drainage from the site will be conveyed from the detention system to the existing LACFCD 66" storm drain at two (2) points of connection. Upon discharging to the existing LACFCD storm drain, site runoff will follow the historic drainage pattern.

Refer to Figure 2, BMP Exhibit for additional information.

F. LID Project Types, Characteristics, & Activities

Per the Los Angeles Department of Public Works (LACDPW), *Low Impact Development Standards Manual*, dated February 2014, the proposed project is classified as a "Designated Project." A "Designated Project" is defined by the LACDPW as follows:

> "Redevelopment projects, which are developments that result in creation or addition or replacement of either: (1) 5,000 square feet or more of impervious surface on a site that was previously developed as described in the above bullets; or (2) 10,000 square feet or more of impervious surface area on a site that was previous developed as a single family home."

G. Pollutant Source Identification and BMP Selection

The following is a list of materials to be used in the daily construction activities at the project site, which will potentially contribute to pollutants, other than sediment, to storm water runoff. Control Practices for each activity are identified below:

- Vehicle fluids, including oil, grease, petroleum, and coolants from personal vehicles
- Landscaping materials and wastes (topsoil, plant materials, herbicides, fertilizers, mulch, pesticides)
- General trash debris and litter
- Pet waste (bacteria/ fecal coliforms)

The Best Management Practices (BMPs) that have been selected for implementation on this project are detailed in the following sections.

H. Source Control BMPs

Project proponents shall implement Site Design concepts that achieve each of the following:

- Minimize Urban Runoff
- Minimize Impervious Footprint
- Conserve Natural Areas
- Minimize Directly Connected Impervious Areas (DCIAs)

Table-1 identifies the source control and treatment BMPs and how each is implemented to achieve each Site Design concept. BMP fact sheets are provided by the LACDPW *Low Impact Development Standards Manual* and the California Stormwater Quality Association.

Table-1: Source Control BMPs

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Non-Structural Source Control BMPs:			
	Education for Leasers', Operators, Occupants, or Employees	X		
	Activity Restrictions (CC&Rs)	X		
S-8	Landscape Irrigation Practices	X		
	Common Area Litter Control	X		
SE-7	Street Sweeping Private Streets and Parking Lots	X		

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Drainage Facility Inspection and Maintenance	X		
	Structural Source Control BMPs:			
S-1	Storm Drain Message and Signage	X		
S-8	Landscape Irrigation Practices	X		
SD-11	Roof Runoff Controls	X		
	Protect Slopes and Channels		X	No proposed slopes and channels
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed car wash racks
	Proper Site Design:			
S-7	Fuel and Maintenance Area		X	No proposed fueling areas
SD-33	Air/Water Supply Area Drainage		X	No proposed air/water supply
S-3	Outdoor Trash Storage and Waste Handling Area		X	No proposed waste handling areas
S-4	Outdoor Loading/ Unloading Dock Area		X	No proposed loading/unloading dock areas
S-5	Outdoor Vehicle/Equipment Repair/Maintenance Area		X	No proposed maintenance bays
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed wash areas
S-2	Outdoor Material Storage Area		X	No proposed material storage areas
SD-36	Outdoor Work Areas or Processing Areas		X	No proposed outdoor work areas
	Provide Wash Water Controls for Food Preparation Areas		X	No proposed food preparation areas

Non-Structural Measures

Non-structural BMPs are generally managerial, educational, inspection and/ or maintenance oriented. These items consist of educating employees and occupants, developing and implementing HOA guidelines, implementing BMPs and enforcing Code requirements. Non-structural BMPs used for this project are summarized below:

Education for Employees and Occupants

Practical informational materials will be provided to homeowners, HOA and employees on general good housekeeping practices that contribute to protection of storm water quality. Among other things, these materials will describe the use of chemicals (including household type) that should be limited to the property, with no discharge of specified wastes via hosing or other direct discharge to gutters, catch basins and storm drains. Initially, the Owner will provide these materials. Thereafter, such materials will be available through the HOA education program.

This program must be maintained, enforced, and updated periodically by the HOA. Educational materials including, but not limited to, the materials included in the Appendix F of this plan will be made available to the employees and contractors of the HOA.

Activity Restrictions

Activities on this site will be limited to activities related to residential living. The project's Conditions, Covenants, and Restrictions (CC&Rs) will outline the activities that are restricted on the property. Such activities related to the LID include car washing, car maintenance and disposal of used motor fluids, pet waste cleanup, and trash container areas.

Efficient Landscape System & Landscape Maintenance

Management programs will be designed and established by the HOA, who will maintain the common areas within the project site. These programs will include how to mitigate the potential dangers of fertilizer and pesticide usage (refer to the Maintenance and Frequency Table). Ongoing maintenance will be consistent with the State of California Model- Water Efficient Landscape Ordinance. Fertilizer and pesticide usage shall be consistent with County Management Guidelines for use of Fertilizers and Pesticides.

Street Sweeping in Private Streets and Parking Lots

The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

Drainage Facility Inspection & Maintenance

The HOA will be responsible for implementing each of the BMPs detailed in this plan. The HOA will also be responsible for cleaning and maintaining the BMPs on a regular basis. Refer to Appendix G for the Operation and Maintenance Plan. Refer to Appendix C for site specific drainage BMP information.

Storm Drain Stenciling/ Signage
Phrase "No Dumping – Drains to Ocean" or equally effective phrase to be stenciled on catch basins to alert the public to the destination of pollutants discharged into storm water. This stenciling will be inspected and re-stenciled on a periodic basis by the HOA. Refer to Table 4 for maintenance frequency.

Landscape & Irrigation System Design
As part of the design of all common area landscape irrigation shall employ water conservation principals, including, but not limited to, such provisions as water sensors, programmable irrigation times (for short cycles), etc. will be used. Such common areas will be maintained by the HOA.

Common Area Litter Control
The HOA must implement trash management and litter control procedures in common areas aimed at reducing pollution of drainage water. The HOA may contract a landscape maintenance company to provide this service during regularly scheduled maintenance which will consist of litter patrol and noting trash disposal violations and reporting the violations to the HOA for investigation.

Title 22 CC&R Compliance
The HOA will comply with this Regulation as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Uniform Fire Code Implementation
The HOA will comply with this Code as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Employee Training
A training program will be established as it would apply to future employees, contractors, and homeowners of the HOA to inform and train in maintenance activities regarding the impact of dumping oil, paints, solvents, or other potentially harmful chemicals into storm drains; the proper use of fertilizers and pesticides in landscaping maintenance practices; and the impacts of littering and improper water disposal.

The HOA (or a hired firm) will conduct the training program which will include targeted training sessions with specific construction disciplines (landscaping, concrete finishers, painters, etc.). See Appendix F for examples of educational materials that will be provided to the Employees.

The project's CC&Rs will include provisions for future employee training programs conducted on a yearly based prior to the rainy season.

I. Structural BMPs

Structural BMPs shall be installed by the developer, through the construction and development of the project, for instance; landscaping and irrigation systems shall be designed by licensed landscape architects and installed by qualified contractors to specifications and standards of the City of Compton. The structural BMPs used for this project are summarized below:

Expected pollutants associated with this development include vehicle discharge fluids, landscaping materials and waste, litter, and pet waste. To mitigate these pollutants, the structural best management practices summarized below.

Table-2: Design BMPs

BMP	TECHNIQUE	INCLUDED? YES	INCLUDED? NO	BRIEF DESCRIPTION OF METHOD
SD-10	Minimize Impervious Area/Maximize Permeability (C-Factor Reduction)	X		We have incorporated landscape areas wherever possible within the project site. See Appendix B for details.
	Minimize Directly Connected Impervious Areas (DCIAs) (C-Factor Reduction)	X		We minimize DCIAs by limiting sidewalks and parking areas to the minimum necessary for proper use. Stepping stones are used in areas with minimal foot traffic.
	Create Reduced or "Zero Discharge" Areas (Runoff Volume Reduction)	X		The entire SWQDV will be infiltrated, resulting in an overall runoff volume reduction.

Table-3: Treatment BMPs

BMP	NAME	INCLUDED?		IF NOT APPLICABLE, STATE BRIEF REASON
		YES	NO	
VEG-5	Vegetated Filter Strip		X	Alternative BMP selected
VEG-4	Vegetated Swale		X	Space not available for BMP
MP-40	Media Filter		X	Alternative BMP selected
MP-52	Drain Inserts		X	Alternative BMP selected
T-3	Extended Detention Basin		X	Alternative BMP selected
T-4	Wet Pond		X	Alternative BMP selected
T-2	Constructed Wetland		X	Alternative BMP selected
T-1	Sand Filter		X	Alternative BMP selected
RET-5	Permeable Pavement without an Underdrain		X	Alternative BMP selected
RET-2	Infiltration Basin		X	Alternative BMP selected
RET-3	Infiltration Trench		X	Alternative BMP selected
TC-40	Media Filter		X	Alternative BMP selected
BIO-1	Biofiltration	X		MWS Biofiltration Vaults will be utilized in the proposed development.

Biofiltration: Modular Wetlands System, Biofiltration Units

Modular Wetland System (MWS) Biofiltration Vaults will be utilized to capture and treat the stormwater runoff prior to leaving the site. MWS utilizes a 3-phase treatment train by conveying stormwater runoff through a pre-treatment chamber, planting or "Wetland" chamber and discharge chamber. Treated stormwater will be discharged into the proposed underground storm drain system which connects directly to the an existing LACFCD 66" storm drain system within W. Compton Boulevard.

Based on the grading and drainage design, the site will be divided into two (2) Drainage Management Areas (DMA) and utilize two (2) MWS Biofiltration Vaults to provide treatment of stormwater runoff. The design flowrate and treatment capacity for each DMA are as follows:

Drainage Management Area (DMA)	Size (ac)	Peak Flow Rate (cfs)*	Peak Flow Rate x 1.5 (cfs)	MWS Model	MWS HGL Height (ft)	Treatment Capacity (cfs)
1	1.085	0.237	0.356	MWS-L-8-16-V	3.4	0.462
2	1.365	0.298	0.447	MWS-L-8-16-V	3.4	0.462
Total	2.45	0.535	0.803	-		0.924

*Los Angeles County Department of Public Works (LACDPW) HydroCalc Software was utilized to calculate peak flowrates. The governing flowrate between the 0.75-inch storm event and the 85th Percentile storm event was utilized for design. Refer to Appendix A for HydroCalc outputs.

The proposed site will generate a total design flowrate of approximately 0.535 cfs. After multiplying this value by a factor of 1.5, the required treatment flowrate equals 0.803 cfs. The MWS Biofiltration Vaults provide a total treatment capacity of approximately 0.924 cfs and therefore provide more than enough treatment for the proposed development. The MWS systems will address the pollutants of concern associated with the development type. Refer to Appendix C for more information on MWS Biofiltration Vaults.

Catch Basin Inspection

The HOA will maintain the drainage systems, including catch basins and culverts. The HOA is required to have catch basins inspected and, if necessary, cleaned prior to the storm season, no later than October 15th each year or prior to the first 24-hour storm event, whichever occurs first. These duties may be contracted out to the landscape maintenance firm hired by the HOA. Please see Appendix E for maintenance program. Refer to Appendix G for the Operation and Maintenance Plan.

Runoff-Minimizing Landscape Design

As part of the design of all common area landscape areas, similar planting material with similar water requirements will be used in order to reduce excess irrigation runoff and promote surface filtration. Such common areas will be maintained by the HOA.

Community Car Wash Racks
No community car wash rack or area will be provided, therefore, vehicle washing by residents on the property will not be allowed per the CC&Rs.

Self-Contained Washing
Self-contained washing of vehicles by residents or owners on the property will not be allowed per the CC&Rs.

Outdoor Material Storage Areas
Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Outdoor Storage by residents or owners on the property will not be allowed per the CC&Rs.

J. BMP Maintenance, Inspection, and Repair

Inspections will be conducted as follows:

- Annually and prior to the start of the rainy season
- Every (1) month during rainy season
- At any other time(s) or intervals of time specified in the contract documents

Repairs and/ or maintenance procedures shall be carried out at the soonest possible time.

K. Inspection, Maintenance, and Responsibility for BMPs

Table-4 and Table-5 show the lists of the post-construction BMPs (routine non-structural and structural), the required ongoing maintenance, the inspection and maintenance frequency, the inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection.

Table-4: Non-Structural BMP Maintenance Responsibility/Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Homeowner/ Business owner Education, Activity Restrictions	HOA will provide educational materials. Those materials and responsibilities must be passed onto subsequent property owners.	Continuous. CC&Rs to be provided to homeowners at the time they purchase the property and updates provided by the HOA as they occur.
Common Area Landscape Management	HOA will appoint a landscape maintenance contractor	Monthly during regular maintenance and use with management guidelines for use of fertilizers and pesticides.
Parking Areas and Drive Aisle Management	HOA	The Drives Aisles are to be swept on a routine scheduled basis to facilitate the pickup of trash and debris (plant or otherwise) and to remove excessive oil, grease and build-up. During sweeping, debris is to be removed from the parking areas and drives and then scrubbed and rinsed. This sweeping schedule will be at a minimum occurrence of once a week and as necessary to rid / reduce active pollutants from the pavement areas. This maintenance requirement will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the final Title report of these properties.
Litter Control by Sweeping	HOA	Weekly inspection of trash receptacles to ensure that lids are closed and pick up any excess trash on the ground, noting trash disposal violations to the HOA for remediation.
Employee Training	HOA	Monthly for maintenance personnel and employees to include the educational materials contained in the approved LID.
Common Area Catch Basin Inspection & Cleaning	HOA will appoint a landscape maintenance contractor for common areas and storm drain facilities.	Inspect basins once a month. Clean debris and silt in bottom of catch basins as needed. Intensified on or about October 15th each year or prior to the first 24-hour storm event, whichever occurs first. Refer to Appendix E.

Table-5: Structural BMP Maintenance Responsibility/ Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Common Area Efficient Irrigation	HOA will appoint a landscape contractor after construction	Once a week, in conjunction with maintenance activities. Verify that runoff minimizing landscape design continues to function by checking that water sensors are functioning properly, that irrigation heads are adjusted properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year, weather and day or night time temperatures.
Common Area Runoff Efficient Landscape Design	HOA will appoint a landscaping contractor	Once a week in conjunction with maintenance activities and prior to finalizing any replanting schemes. Verify that plants continue to be grouped according to similar water requirements in order to reduce excess irrigation runoff.
Modular Wetlands System (MWS) Biofiltration Vaults	HOA	MWS Biofiltration Vaults maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C

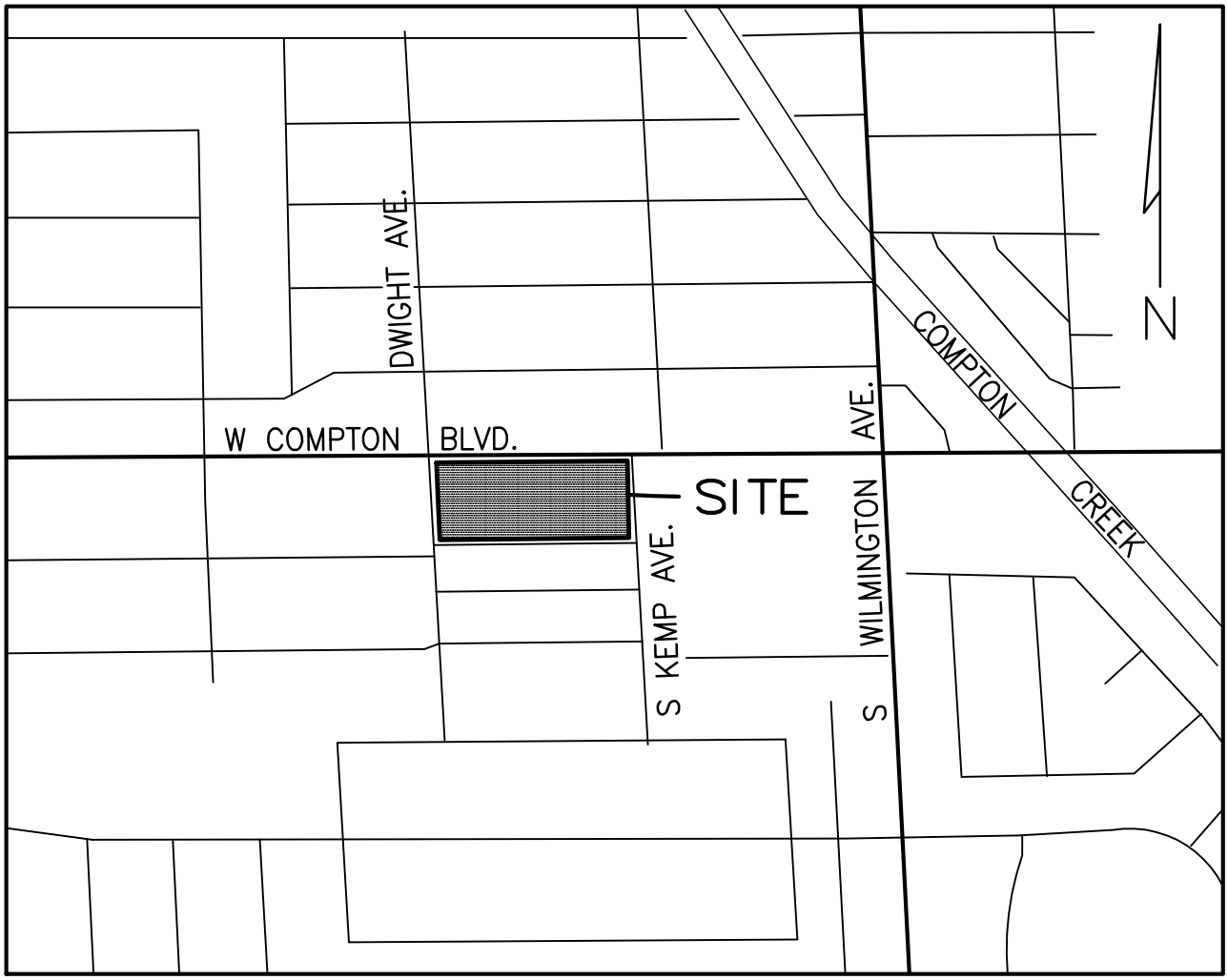
L. Operation/Maintenance Funding after Project Completion

The post-construction BMPs as described above will be funded and maintained by:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Maintenance and requirements of the maintenance for the properties will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project and will be the responsibility of the property owner at all times. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the Title report of these properties.

Figure 1:
Project Vicinity Map



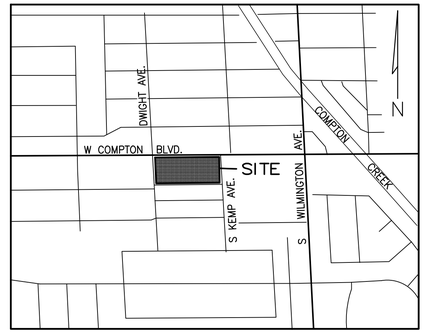
930 W. COMPTON BOULEVARD
COMPTON, CA 90220

Figure 2:
BMP Exhibit

PRELIMINARY BMP EXHIBIT

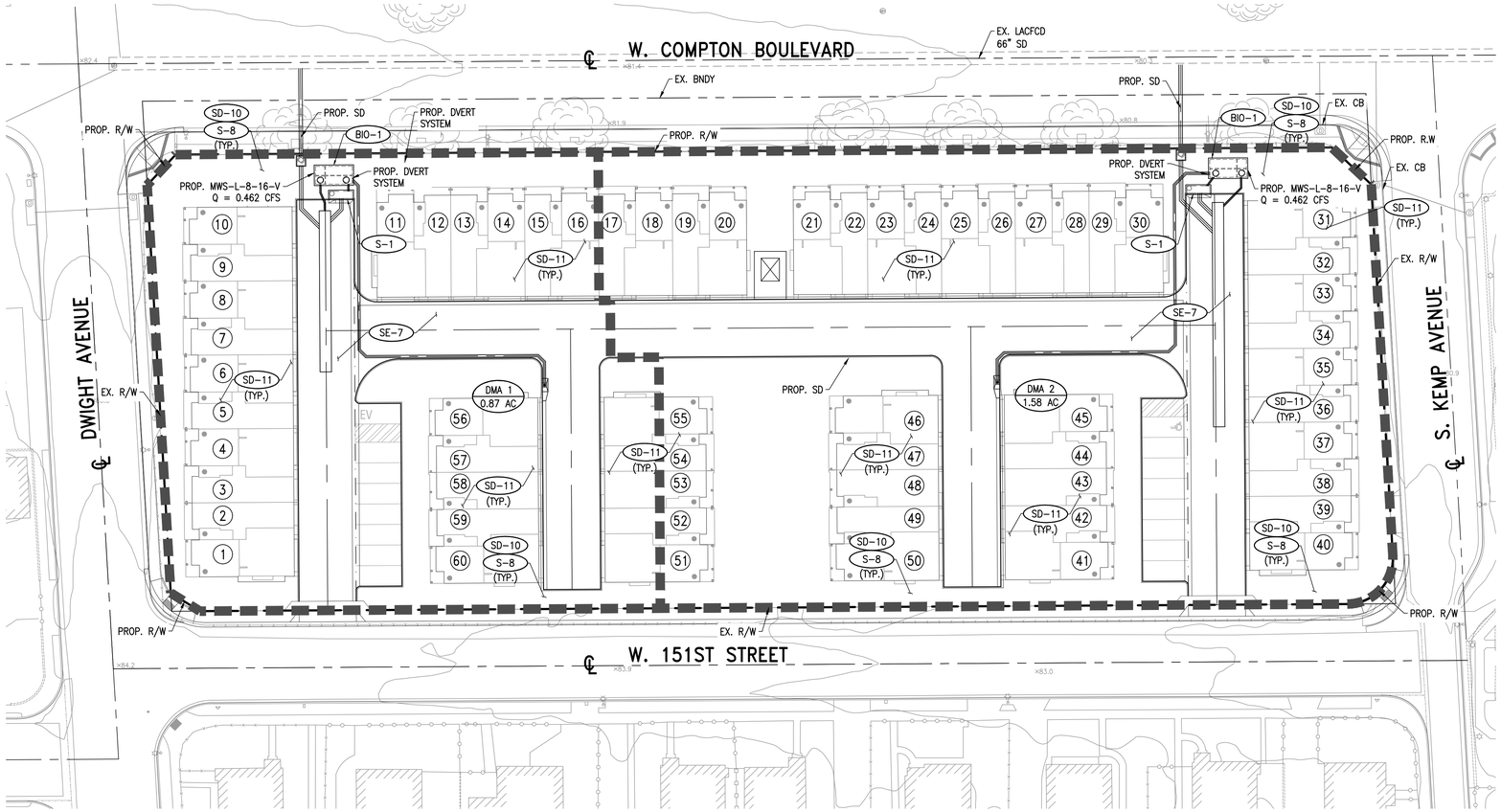
930 W. COMPTON BOULEVARD

CITY OF COMPTON, COUNTY OF LOS ANGELES



VICINITY MAP

NTS



LEGEND

- EXISTING BOUNDARY
- PROPOSED RIGHT-OF-WAY/ BOUNDARY
- PROPOSED STORM DRAIN
- DRAINAGE FLOW ARROWS
- DRAINAGE MANAGEMENT AREA (DMA)
- DMA X / X.XXX — DMA ID / DMA ACREAGE

BEST MANGEMENT PRACTICES (BMPS)

- S-1 STORM DRAIN SIGNAGE
- S-8 LANDSCAPE IRRIGATION PRACTICES
- SD-10 SITE DESIGN & LANDSCAPE PLANNING
- SD-11 ROOF RUNOFF CONTROLS
- SE-7 STREET SWEEPING & VACUUMING
- BIO-1 BIOFILTRATION UNIT (MWS)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

Figure 3:
Impaired Waters

COUNTY OF LOS ANGELES

BALLONA CREEK & OTHER URBAN WATERSHEDS

Ballona Creek and other Urban Watersheds

LEGEND

- BALLONA CREEK & OTHER URBAN WATERSHED
- UNINCORPORATED AREA
- DAM / LAKE / RESERVOIR
- MAJOR RIVER
- MAJOR CHANNEL

Data contained in this map is produced in whole or part from the Los Angeles County Department of Public Works' digital database.

REF: \\pwgisd02\mpmgis$\MPMGIS\projects\mpm\gismaps\wk_2627\ballonacreeketc_wtrsheds.mxd DATE: 08/22/07

Mapping & Property Management Division, Mapping & GIS Services Section

Appendix A:
Volume and Infiltration Calculations & Hydrologic Report

The proposed development was analyzed for the 0.75-in storm event and the 85th Percentile storm event using the LACDPW HydroCalc software. The governing peak flowrate between the two storm events was utilized for design. In accordance with the LA County BMP Design Manual, a factor of 1.5 was applied to obtain the design flowrate. Below is a summary of the HydroCalc outputs:

DMA	85th Percentile Storm ✓		0.75-in Storm		Governing Flowrate (cfs)	Flowrate x 1.5 (cfs)
	Volume (cf)	Flowrate (cfs)	Volume (cf)	Flowrate (cfs)		
1	2678	0.237	2308	0.195	0.237	0.356
2	3369	0.298	2904	0.245	0.298	0.447

Refer to LACDPW HydroCalc Output Data within this Appendix for Volume and Flowrate Calculations.

Peak Flow Hydrologic Analysis

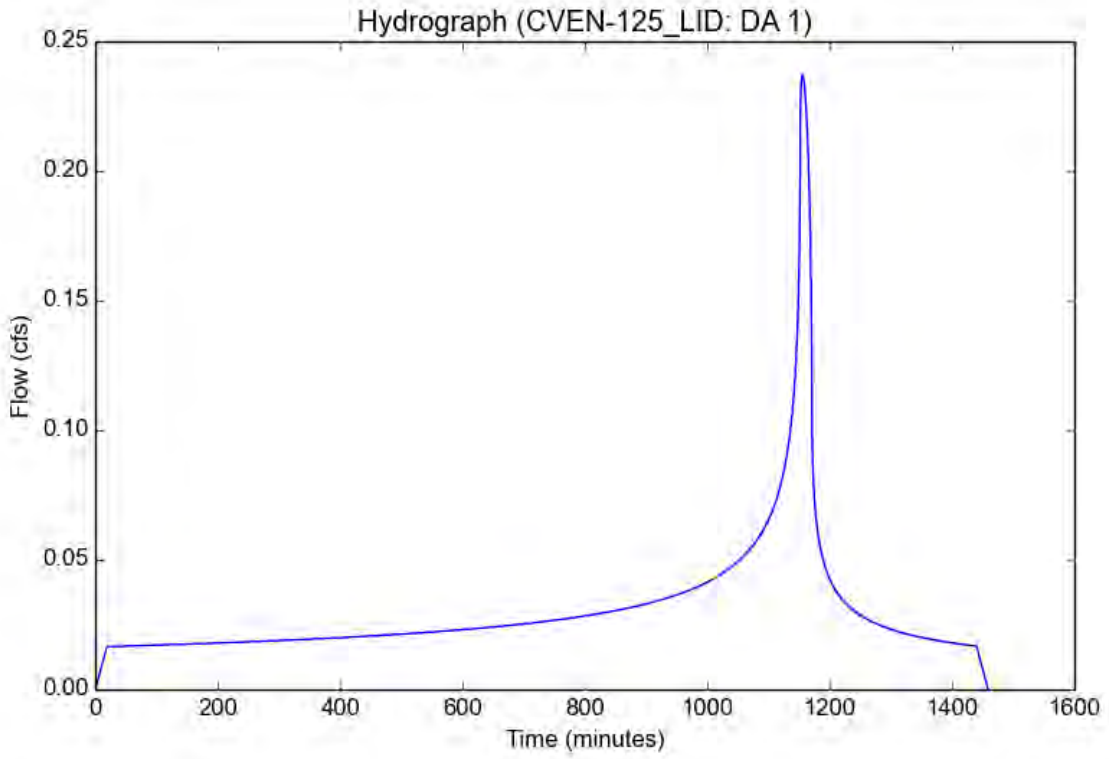
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.237
Burned Peak Flow Rate (cfs)	0.237
24-Hr Clear Runoff Volume (ac-ft)	0.0615
24-Hr Clear Runoff Volume (cu-ft)	2677.8096



Peak Flow Hydrologic Analysis

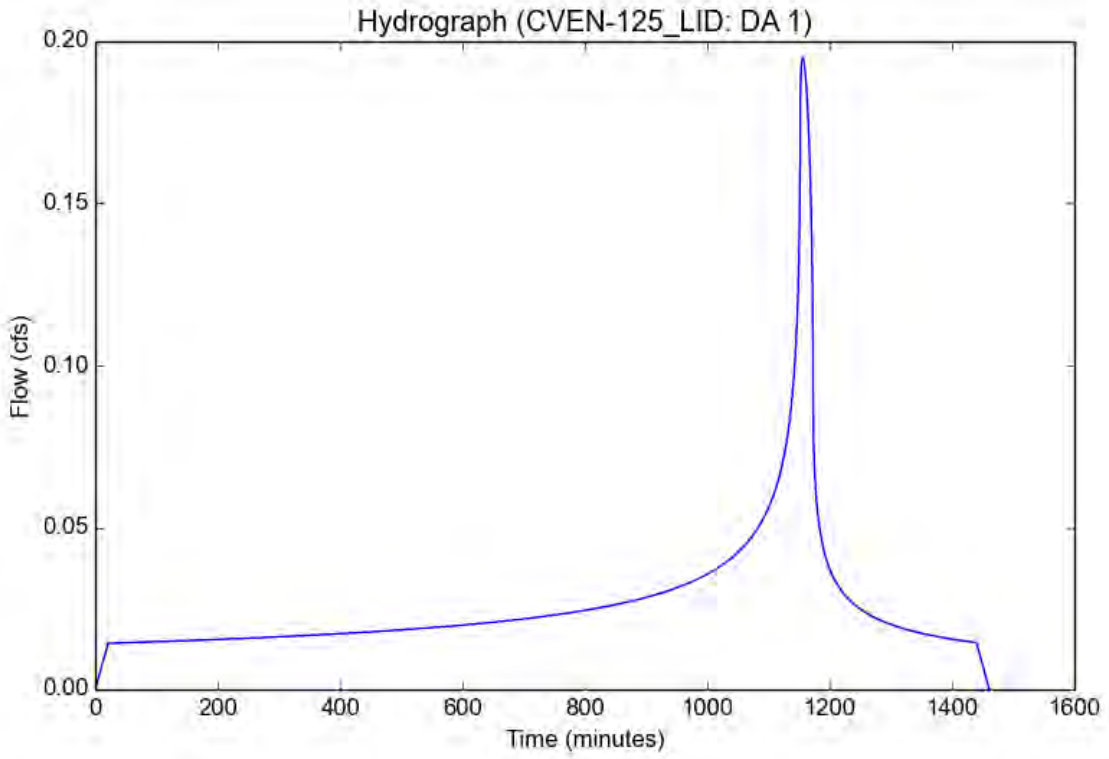
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.1949
Burned Peak Flow Rate (cfs)	0.1949
24-Hr Clear Runoff Volume (ac-ft)	0.053
24-Hr Clear Runoff Volume (cu-ft)	2308.4589



Peak Flow Hydrologic Analysis

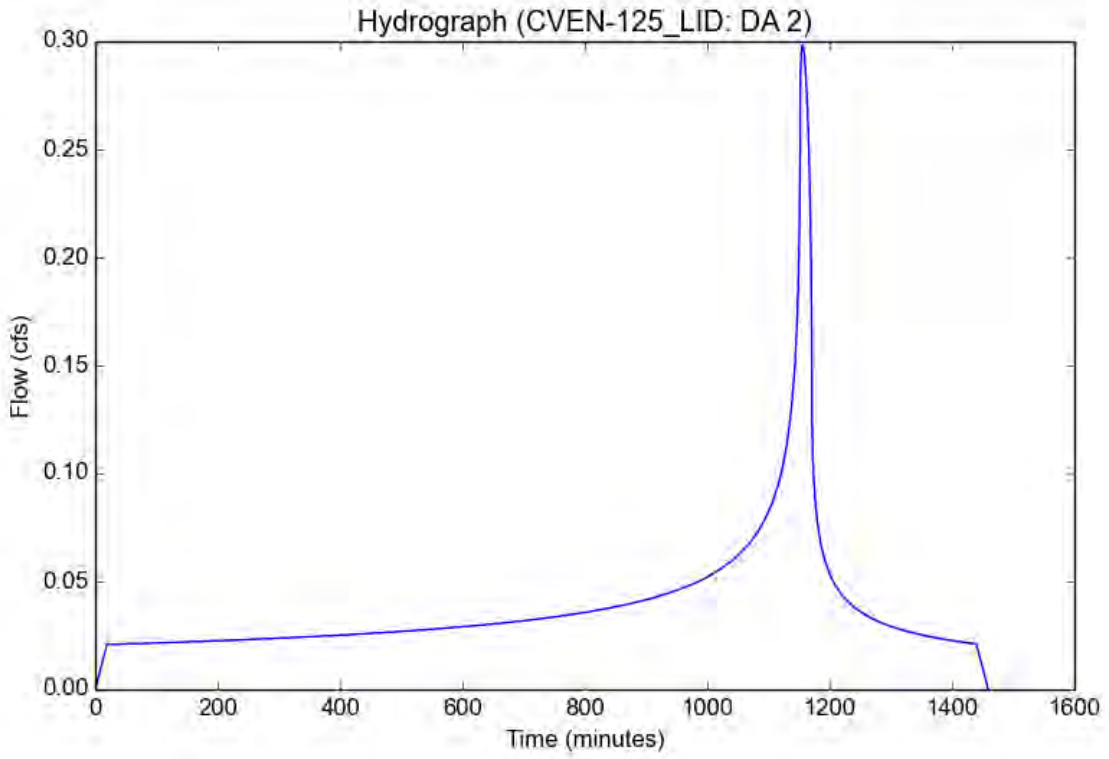
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.2981
Burned Peak Flow Rate (cfs)	0.2981
24-Hr Clear Runoff Volume (ac-ft)	0.0773
24-Hr Clear Runoff Volume (cu-ft)	3368.8572



Peak Flow Hydrologic Analysis

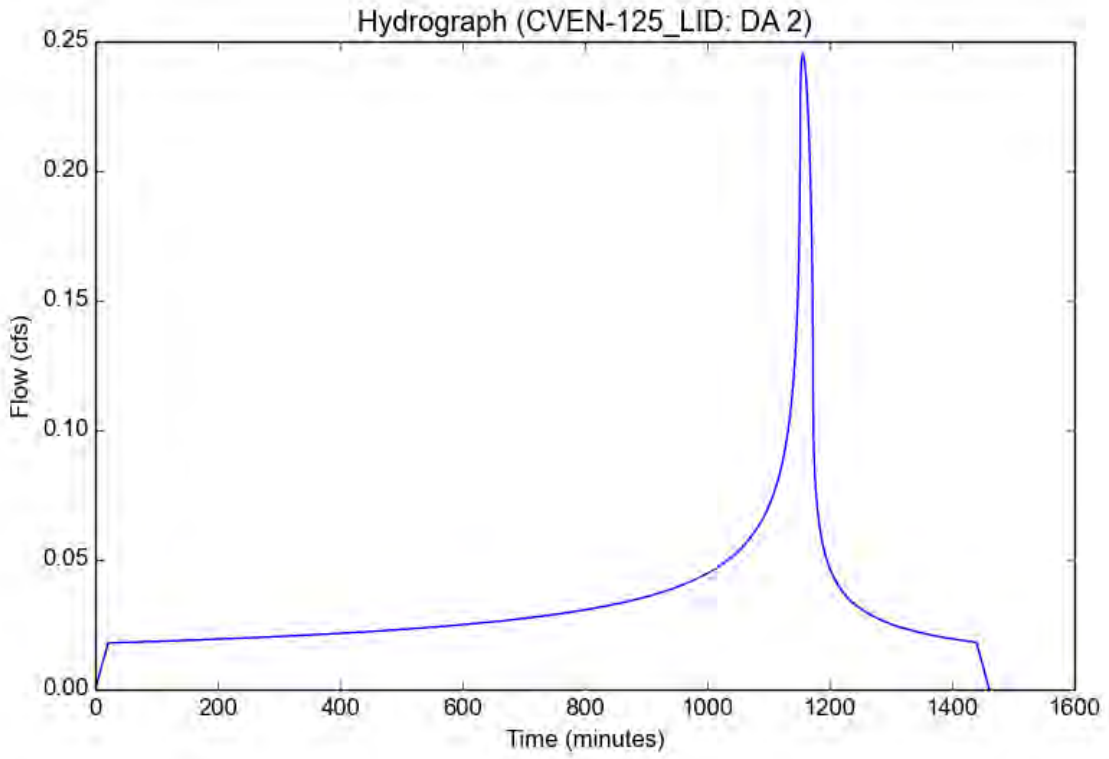
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.2452
Burned Peak Flow Rate (cfs)	0.2452
24-Hr Clear Runoff Volume (ac-ft)	0.0667
24-Hr Clear Runoff Volume (cu-ft)	2904.1902



Appendix B:
Site BMPs

S-1: Storm Drain Message and Signage

Purpose

Waste material dumped into storm drain inlets can adversely impact surface and ground waters. In fact, any material discharged into the storm drain system has the potential to significantly impact downstream receiving waters. Storm drain messages have become a popular method of alerting and reminding the public about the effects of and the prohibitions against waste disposal into the storm drain system. The signs are typically stenciled or affixed near the storm drain inlet or catch basin. The message simply informs the public that dumping of wastes into storm drain inlets is prohibited and/or that the drain ultimately discharges into receiving waters.

General Guidance

- The signs must be placed so they are easily visible to the public.
- Be aware that signs placed on sidewalk will be worn by foot traffic.

Design Specifications

- Signs with language and/or graphical icons that prohibit illegal dumping, must be posted at designated public access points along channels and streams within the project area. Consult with Los Angeles County Department of Public Works (LACDPW) staff to determine specific signage requirements for channels and streams.
- Storm drain message markers, placards, concrete stamps, or stenciled language/icons (e.g., “No Dumping – Drains to the Ocean”) are required at all storm drain inlets and catch basins within the project area to discourage illegal or inadvertent dumping. Signs should be placed in clear sight facing anyone approaching the storm drain inlet or catch basin from either side (see Figure D-1 and Figure D-2). LACDPW staff should be contacted to determine specific requirements for types of signs and methods of application. A stencil can be purchased for a nominal fee from LACDPW Building and Safety Office by calling (626) 458-3171. All storm drain inlet and catch basin locations must be identified on the project site map.

Maintenance Requirements

Legibility and visibility of markers and signs should be maintained (e.g., signs should be repainted or replaced as necessary). If required by LACDPW, the owner/operator or homeowner’s association shall enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards and signs.

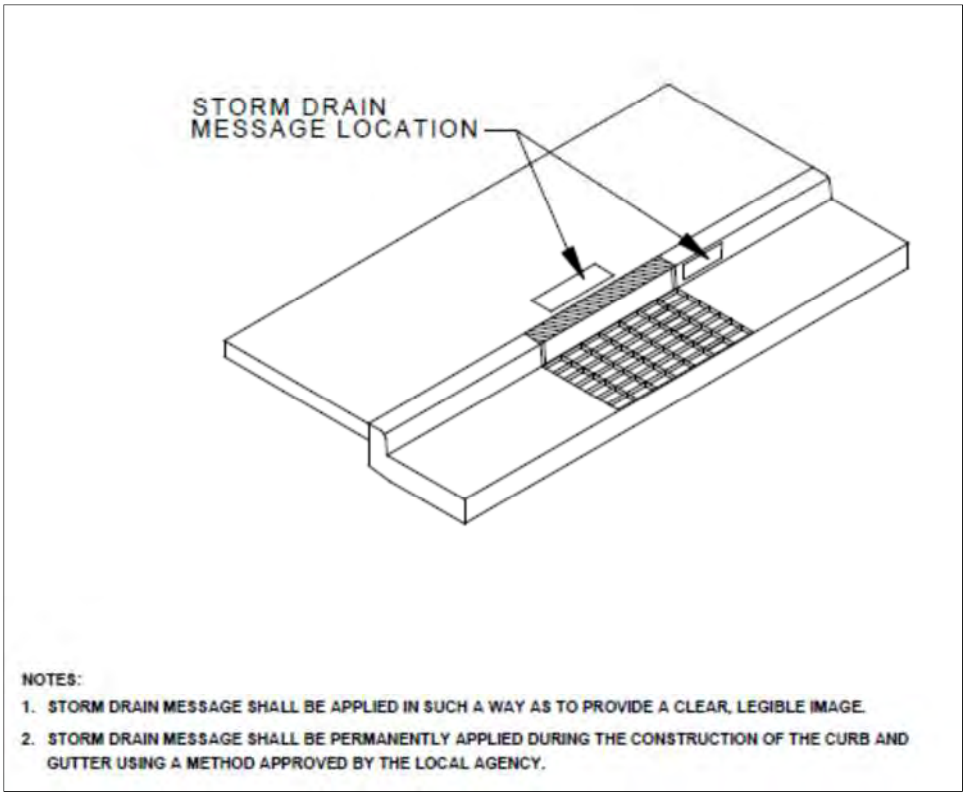


Figure D-1. Storm Drain Message Location – Curb Type Inlet

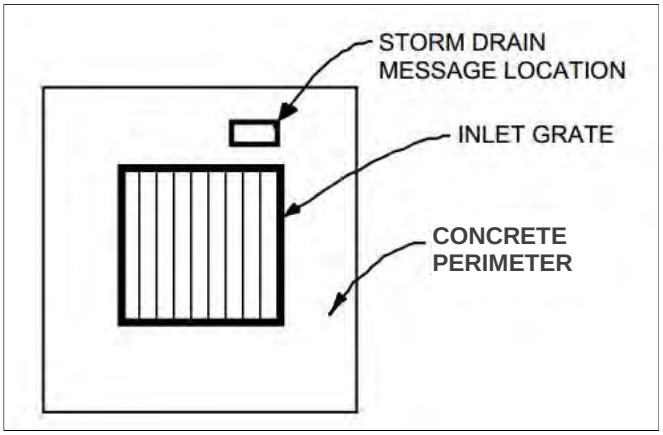


Figure D-2. Storm Drain Message Location – Catch Basin/Area Type Inlet

S-8: Landscape Irrigation Practices

Purpose

Irrigation runoff provides a pathway for pollutants (i.e., nutrients, bacteria, organics, sediment) to enter the storm drain system. By effectively irrigating, less runoff is produced resulting in less potential for pollutants to enter the storm drain system.

General Guidance

- Do not allow irrigation runoff from the landscaped area to drain directly to storm drain system.
- Minimize use of fertilizer, pesticides, and herbicides on landscaped areas.
- Plan sites with sufficient landscaped area and dispersal capacity (e.g., ability to receive irrigation water without generating runoff).
- Consult a landscape professional regarding appropriate plants, fertilizer, mulching applications, and irrigation requirements (if any) to ensure healthy vegetation growth.

Design Specifications

- Choose plants that minimize the need for fertilizer and pesticides.
- Group plants with similar water requirements and water accordingly.
- Use mulch to minimize evaporation and erosion.
- Include a vegetative boundary around project site to act as a filter.
- Design the irrigation system to only water areas that need it.
- Install an approved subsurface drip, pop-up, or other irrigation system.[1] The irrigation system should employ effective energy dissipation and uniform flow spreading methods to prevent erosion and facilitate efficient dispersion.
- Install rain sensors to shut off the irrigation system during and after storm events.
- Include pressure sensors to shut off flow-through system in case of sudden pressure drop. A sudden pressure drop may indicate a broken irrigation head or water line.
- If the hydraulic conductivity in the soil is not sufficient for the necessary water application rate, implement soil amendments to avoid potential geotechnical hazards (i.e., liquefaction, landslide, collapsible soils, and expansive soils).

[1] If alternative distribution systems (e.g., spray irrigation) are approved, the County will establish guidelines to implement these new systems.

- For sites located on or within 50 feet of a steep slope (15% or greater), do not irrigate landscape within three days of a storm event to avoid potential geotechnical instability.[2]
- Implement Integrated Pest Management practices.

For additional guidelines and requirements, refer to the Los Angeles County Department of Health Services.

Maintenance Requirements

Maintain irrigation areas to remove trash and debris and loose vegetation. Rehabilitate areas of bare soil. If a rain or pressure sensor is installed, it should be checked periodically to ensure proper function. Inspect and maintain irrigation equipment and components to ensure proper functionality. Clean equipment as necessary to prevent algae growth and vector breeding. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

[2] As determined by the City of Los Angeles, Building and Safety Division

Site Design & Landscape Planning SD-10

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

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CALIFORNIA STORMWATER QUALITY ASSOCIATION

Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11

Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Street Sweeping and Vacuuming SE-7

Objectives

EC	Erosion Control	
SE	Sediment Control	☒
TR	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Objective**

☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.
- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

BIO-1: Biofiltration

Definition

A biofiltration area is a vegetated shallow depression that is designed to receive and treat stormwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow ponding zone is provided above the vegetated surface for temporary storage of stormwater runoff. During storm events, stormwater runoff accumulates in the ponding zone and gradually infiltrates the surface and filters through the biofiltration soil media before being collected by an underdrain system.

Stormwater runoff treatment occurs through a variety of natural mechanisms as stormwater runoff filters through the vegetation root zone. In biofiltration areas, microbes and organic material in the biofiltration soil media help promote the adsorption of pollutants (e.g., dissolved metals and petroleum hydrocarbons) into the soil matrix. Plants utilize soil moisture and promote the drying of the soil through transpiration. Biofiltration areas are typically planted with native, drought-tolerant plant species that do not require fertilization and can withstand wet soils for at least 96 hours.

A schematic of a typical biofiltration area is presented in Figure E-7.

LID Ordinance Requirements

Biofiltration can be used as an alternative compliance measure.

Pollutant of Concern	Treated by Biofiltration?
Suspended solids	No
Total phosphorus	No
Total nitrogen	Yes
Total Kjeldahl nitrogen	Yes
Cadmium, total	No
Chromium, total	Yes
Copper, total	No
Lead, total	Yes
Zinc, total	No

Source: Treatment Best Management Practices Performance, Los Angeles Regional Water Quality Control Board, December 9, 2013.

Advantages

- Has a low cost for installation
- Enhances site aesthetics
- Requires little maintenance

Disadvantages

- May require individual owner/tenants to perform maintenance

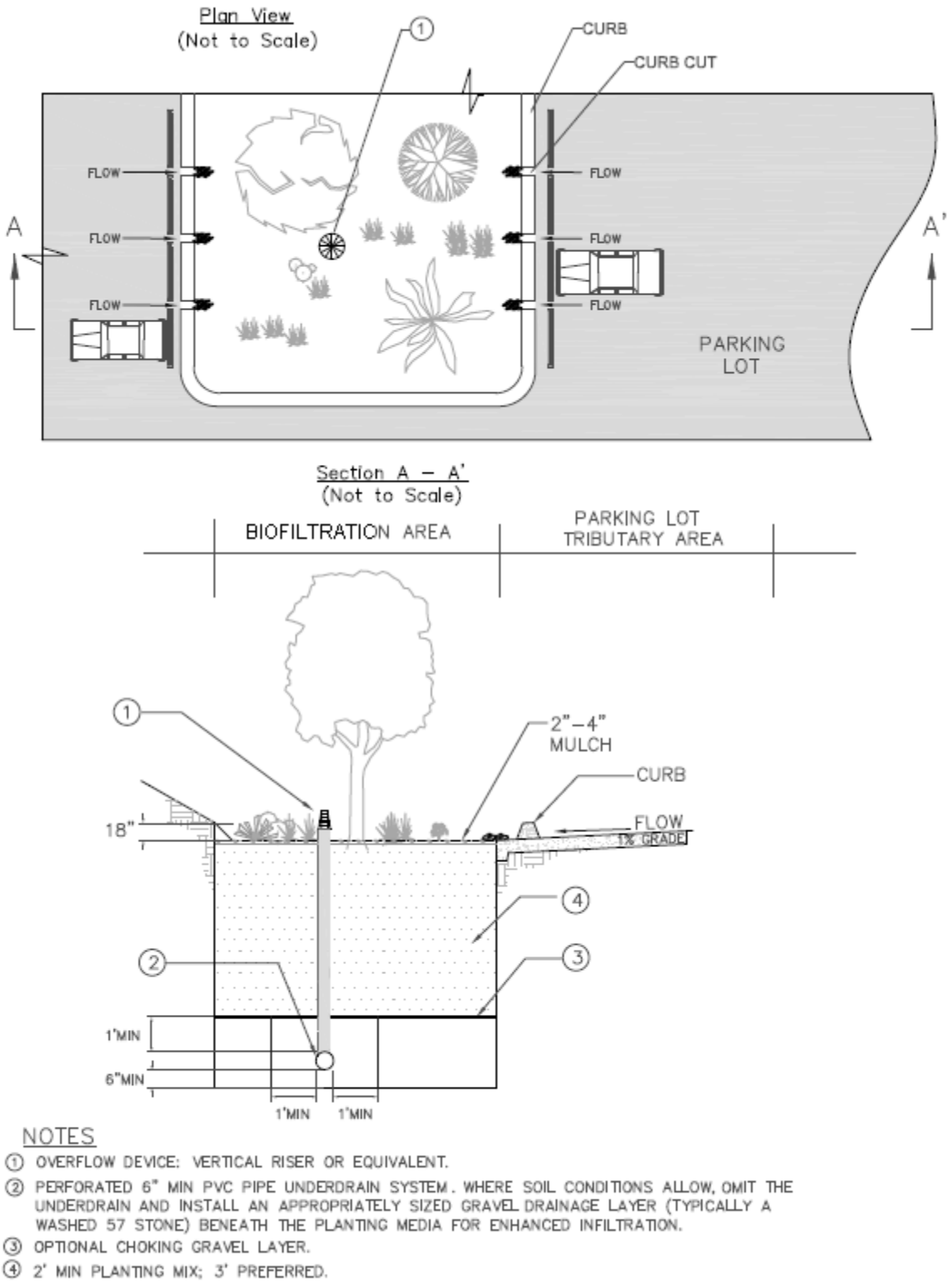


Figure E-7. Biofiltration Area Schematic

General Constraints and Implementation Considerations

- Biofiltration areas can be applied in various settings including, but not limited to:
  - Individual lots for rooftop, driveway, and other on-site impervious surface
  - Shared facilities located in common areas for individual lots
  - Areas within loop roads or cul-de-sacs
  - Landscaped parking lot islands
  - Within right-of-ways along roads
  - Common landscaped areas in apartment complexes or other multi-family housing designs
  - Parks and along open space perimeter
- If tire curbs are provided and parking stalls are shortened, cars are allowed to overhang the biofiltration area.
- Biofiltration areas must be located sufficiently far from structure foundations to avoid damage to structures (as determined by a certified structural or geotechnical engineer).
- Any parking areas bordering the biofiltration area must be monolithically poured concrete or deepended curb concrete to provide structural stability to the adjacent parking section.
- Geomembrane liners must be used in areas subject to spills or pollutant hot spots.
- During construction activities should avoid compaction of native soils below planting media layer or gravel zone.
- Stormwater runoff must be diverted around the biofiltration area during the period of vegetation establishment. If diversion is not feasible, the graded and seeded areas must be protected with suitable sediment controls (i.e., silt fences).All damaged areas should be repaired, seeded, or re-planted immediately.
- The general landscape irrigation system should incorporate the biofiltration area, as applicable.

Design Specifications

The following sections describe the design specifications for biofiltration areas.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for biofiltration. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the

groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of a biofiltration area. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning biofiltration system.

Biofiltration areas are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for a biofiltration area and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering a biofiltration area in order to maintain the infiltration rate of the biofiltration area. To ensure that biofiltration areas are effective, the project applicant must incorporate pretreatment devices that provide sediment removal (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices). The use of at least two pretreatment devices is highly recommended for biofiltration areas.

Geometry

- Biofiltration areas must be sized to capture and treat 1.5 times the SWQDv that is not reliably retained on the project site with an 18-inch maximum ponding depth.
- The planting soil depth must be a minimum of two feet, although three feet is preferred. The planting soil depth should provide a beneficial root zone for the chosen vegetation and adequate water storage for the stormwater runoff. A deeper planting soil depth will also provide a smaller surface area footprint.
- A gravel storage layer below the biofiltration area soil media is required to provide adequate temporary storage to retain 1.5 times the SWQDv that is not reliably retained on the project site and to promote infiltration.

Sizing

Biofiltration areas are sized using a simple sizing method where 1.5 times the SWQDv that is not reliably retained on the project site must be completely filtered within 96 hours. If the incoming stormwater runoff flow rate is lower than the long term filtration rate, above ground storage does not need to be provided. If the incoming stormwater runoff flow rate is higher than the long term filtration rate, above ground storage shall be provided (see steps below).

Step 1: Calculate the design volume

Biofiltration areas should be sized to capture and treat 1.5 times the portion of the SWQDv (see Section 6 for SWQDv calculation procedures) that is not reliability retained on the project site, as calculated by the equation below:

$$V_B = 1.5 \times (SWQDv - V_R)$$

Where:

V_B = Biofiltration volume [ft^3];
SWQDv = Stormwater quality design volume [ft^3]; and
V_R = Volume of stormwater runoff reliably retained on-site [ft^3].

Step 2: Calculate the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Select a surface ponding depth (d) that satisfies the geometric criteria and meets the site constraints. Selecting a deeper ponding depth (up to 1.5 ft) generally yields a smaller footprint, however, it will require greater consideration for public safety, energy dissipation, and plant selection.

Calculate the time for the selected ponding depth to filter through the planting media using the following equation:

$$\mathrm{d} = t_p \times \frac{\mathrm{f_{design}}}{12}$$

Where:

d = Ponding depth (max 1.5 ft) [ft];
t_p = Required detention time for surface ponding (max 96 hr) [hr]; and
f_{design} = Design infiltration rate [in/hr].

If t_p exceeds 96 hours, reduce surface ponding depth (d). In nearly all cases, t_p should not approach 96 hours unless f_{design} is low.

Calculate the required infiltrating surface (filter bottom area) using the following equation:

$$A = \frac{V_B}{d}$$

Where:

A = Bottom surface area of biofiltration area [ft^2];
V_B = Biofiltration design volume [ft^3]; and
d = Ponding depth (max 1.5 ft) [ft].

Flow Entrance and Energy Dissipation

Maintain a minimum slope of 1 percent for pervious surfaces and 0.5 percent for impervious surfaces to the biofiltration area inlet. The following types of flow entrance can be used for biofiltration cells:

- Level spreaders (i.e., slotted curbs) can be used to facilitate sheet flow.
- Dispersed, low velocity flow across a landscape area. Dispersed flow may not be possible given space limitations or if the biofiltration area is controlling roadway or parking lot flows where curbs are mandatory.
- Dispersed flow across pavement or gravel and past wheel stops for parking areas.
- Flow spreading trench around perimeter of biofiltration area. May be filled with pea gravel or vegetated with 3:1 side slopes similar to a swale. A vertical-walled open trench may also be used at the discretion of LACDPW.
- Curb cuts for roadside or parking lot areas, if approved by LACDPW: curb cuts should include rock or other erosion controls in the channel entrance to dissipate energy. Flow entrance should drop two to three inches from curb line and provide an area for settling and periodic removal of sediment and coarse material before flow dissipates to the remainder of the biofiltration area.
- Piped entrances, such as roof downspouts, should include rock, splash blocks, or other erosion controls at the entrance to dissipate energy and disperse flows.
- Woody plants (trees, shrubs, etc.) can restrict or concentrate flows and can be damaged by erosion around the root ball and must not be placed directly in the entrance flow path.

Drainage

Biofiltration areas must be designed to drain below the planting soil in less than 96 hours. Soils must be allowed to dry out periodically in order to restore hydraulic capacity to receive stormwater runoff from subsequent storm events, maintain infiltration rates, maintain adequate soil oxygen levels for healthy soil biota and vegetation, and provide proper soil conditions for biodegradation and retention of pollutants.

Underdrain

Biofiltration areas require an underdrain to collect and discharge stormwater runoff that has been filtered through the soil media, but not infiltrated, to another stormwater quality control measure, storm drain system, or receiving water. The underdrain must have a mainline diameter of eight inches using slotted PVC SDR 26 or PVC C9000. Slotted PVC allows for pressure water cleaning and root cutting, if necessary. The slotted pipe

should have two to four rows of slots cut perpendicular to the axis of the pipe or at right angles to the pitch of corrugations. Slots should be 0.04 to 0.1 inches wide with a length of 1 to 1.25 inches. Slots should be longitudinally-spaced such that the pipe has a minimum of one square inch opening per lineal foot and should face down.

The underdrain should be placed in a gravel envelope (Class 2 Permeable Material per Caltrans Spec. 68-1.025) that measures three feet wide and six inches deep. The underdrain is elevated from the bottom of the biofiltration area by six inches within the gravel envelope to create a fluctuating anaerobic/aerobic zone below the underdrain to facilitate denitrification within the anaerobic/anoxic zone and reduce nutrient concentrations. The top and sides of the underdrain pipe should be covered with gravel to a minimum depth of 12 inches. The underdrain and gravel envelope should be covered with a geomembrane liner to prevent clogging. The following aggregate should be used for the gravel envelope:

Particle Size (ASTM D422)	% Passing by Weight
¾ inch	100%
¼ inch	30-60%
#8	20-50%
#50	3-12%
#200	0-1%

Underdrains should be sloped at a minimum of 0.5 percent and must drain freely to an approved discharge point.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter should be connected to the underdrain to provide a clean-out port as well as an observation well to monitor drainage rates. The wells/clean-outs should be connected to the perforated underdrain with the appropriate manufactured connections. The wells/clean-outs should extend six inches above the top elevation of the biofiltration area mulch, and should be capped with a lockable screw cap. The ends of underdrain pipes not terminating in an observation well/clean-out should also be capped.

Hydraulic Restriction Layer

Lateral infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent waterproofing, may be placed along the vertical walls to reduce lateral flows. This geomembrane liner must have a minimum thickness of 30 mils and meet the requirements of Table E-12. Generally, waterproof barriers should not be placed on the bottom of the biofiltration unit, as this would prevent incidental infiltration which is important to meeting the required pollutant load reduction.

Table E-12. Geomembrane Liner Specifications for Biofiltration Areas

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Planting/Storage Media

- The planting media placed in the biofiltration area should achieve a long-term, in-place infiltration rate of at least 5 in/hr. Higher infiltration rates of up to 12 in/hr are permissible. The biofiltration soil media must retain sufficient moisture to support vigorous plant growth.
- The planting media mix must consist of 60 to 80 percent sand and 20 to 40 percent compost.
- Sand should be free of wood, waste, coatings such as clay, stone dust, carbonate, or any other deleterious material. All aggregate passing the No. 200 sieve size should be non-plastic. Sand for biofiltration should be analyzed by an accredited laboratory using #200, #100, #40, #30, #16, #8, #4, and 3/8 sieves (ASTM D422 or as approved by the local permitting authority) and meet the following gradations (Note: all sand complying with ASTM C33 for fine aggregate comply with the gradation requirements listed below):

Particle Size (ASTM D422)	% Passing by Weight
3/8 inch	100%
#4	90-100%
#8	70-100%
#16	40-95%
#30	15-70%
#40	5-55%
#110	0-15%
#200	0-5%

Note: The gradation of the sand component of the biofiltration soil media is believed to be a major factor in the infiltration rate of the media mix. If the desired hydraulic conductivity of the biofiltration soil media cannot be achieved within the specified proportions of sand and compost (#2), then it may be necessary to utilize sand at the coarser end of the range specified minimum percent passing.

- Compost should be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes, or other organic material not including manure or biosolids meeting standards developed by the USCC. The product shall be certified through the USCC STA Program (a compost testing and information disclosure program). Compost quality shall be verified via a laboratory analysis to be:
    - Feedstock materials must be specified and include one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
    - pH between 6.5 and 8.0 (may vary with plant palette)
    - Organic Matter: 35 to 75 percent dry weight basis
    - Carbon and Nitrogen Ratio: 15:1 < C:N < 25:1
    - Maturity/Stability: Compost must have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120°F) upon delivery or rewetting is not acceptable.
    - Toxicity: any one of the following measures is sufficient to indicate non-toxicity:
        - NH_4:NH_3 < 3
        - Ammonium < 500 ppm, dry weight basis
        - Seed germination > 80 percent of control
        - Plant trials > 80 percent of control
        - Solvita® > 5 index value
    - Nutrient content:
        - Total Nitrogen content ≥ 0.9 percent preferred
        - Total Boron should be < 80 ppm; soluble boron < 2.5 ppm
    - Salinity: < 6.0 mmhos/cm
    - Compost for biofiltration area should be analyzed by an accredited laboratory using #200, ¼-inch, ½-inch, and 1-inch sieves (ASTM D422) and meet the gradation requirements in the table below:

Particle Size (ASTM D422)	% Passing by Weight
1 inch	99-100
½ inch	90-100
¼ inch	40-90
#200	2-10

Tests should be sufficiently recent to represent the actual material that is anticipated to be delivered to the site. If processes or sources used by the supplier have changed significantly since the most recent testing, new tests should be requested.

The gradation of compost used in biofiltration soil media is believed to play an important role in the saturated infiltration rate of the media. To achieve a higher saturated infiltration rate, it may be necessary to utilize compost at the coarser end of the range (minimum percent passing). The percent passing the #200 sieve (fines) is believed to be the most important factor in hydraulic conductivity.

In addition, coarser compost mix provides more heterogeneity of the biofiltration soil media, which is believed to be advantageous for more rapid development of soil structure needed to support healthy biological processes. This may be an advantage for plant establishment with lower nutrient and water input.

- Biofiltration soil media not meeting the above criteria should be evaluated on a case-by-case basis. Alternative biofiltration soil media must meet the following specifications:

  "Soils for biofiltration facilities must be sufficiently permeable to infiltrate stormwater runoff at a minimum of rate of 5 in/hr during the life of the facility, and provide sufficient retention of moisture and nutrients to support healthy vegetation." The following steps shall be followed by LACDPW to verify that alternative biofiltration soil media mixes meet the specification:

  - Submittals – The applicant must submit to LACDPW for approval:
    - A sample of mixed biofiltration soil media.
    - Certification from the soil supplier or an accredited laboratory that the biofiltration soil media meets the requirements of this specification.
    - Certification from an accredited geotechnical testing laboratory that the biofiltration soil media has an infiltration rate between 5 and 12 in/hr.
    - Organic content test results of the biofiltration soil media. Organic content test shall be performed in accordance with the Testing Methods for the Examination of Compost and Composting (TMECC) 05.07A, "Loss-On-Ignition Organic Matter Method".
    - Organic grain size analysis results of mixed biofiltration soil media performed in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
    - A description of the equipment and methods used to mix the sand and compost to produce the biofiltration soil media.
  - The name of the testing laboratory(ies) and the following information:

- Contact person(s)
- Address(es)
- Phone contact(s)
- E-mail address(es)
- Qualifications of laboratory(ies) and personnel including date of current certification by STA, ASTM, or approved equal.

o Biofiltration soils shall be analyzed by an accredited laboratory using #200 and ½-inch sieves (ASTM D422 or as approved by LACDPW), and meet the gradation described in the table below:

Particle Size (ASTM D422)	% Passing by Weight
½ inch	97-100
#200	2-5

- Biofiltration soil media shall be analyzed by an accredited geotechnical laboratory for the following tests:
  - o Moisture – density relationships (compaction tests) must be conducted on biofiltration soil media. Biofiltration soil media for the permeability test shall be compacted to 85 to 90 percent of the maximum dry density (ASTM D1557).
  - o Constant head permeability testing in accordance with ASTM D2434 shall be conducted on a minimum of two samples with a 6-inch mold and vacuum saturation.
- Mulch is recommended for the purpose of retaining moisture, preventing erosion, and minimizing weed growth. Projects subject to the California Model Water Efficiency Landscaping Ordinance (or comparable local ordinance) will be required to provide at least 2 inches of mulch. Aged mulch, also called compost mulch, reduces the ability of weeds to establish, keeps soil moist, and replenishes soil nutrients. Biofiltration areas must be covered with two to four inches (average three inches) of mulch at the start and an annual placement (preferably in June after weeding) of one to two inches of mulch beneath plants.
- The planting media design height must be marked appropriately, such as a collar on the overflow device or with a stake inserted two feet into the planting media and notched, to show biofiltration surface level and ponding level.

Vegetation

Prior to installation, a licensed landscape architect must certify that all plants, unless otherwise specifically permitted, conform to the standards of the current edition of American Standard for Nursery Stock as approved by the American Standards Institute, Inc. All plant grades shall be those established in the current edition of American Standards for Nursery Stock.

- Shade trees must have a single main trunk. Trunks must be free of branches below the following heights:

CALIPER (in)	Height (ft)
1½-2½	5
3	6

- Plants must be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 96 hours.
- It is recommended that a minimum of three types of tree, shrubs, and/or herbaceous groundcover species be incorporated to protect against facility failure due to disease and insect infestations of a single species.
- Native plant species and/or hardy cultivars that are not invasive and do not require chemical inputs must be used to the maximum extent practicable.

The biofiltration area should be vegetated to resemble a terrestrial forest community ecosystem, which is dominated by understory trees, a shrub layer, and herbaceous ground cover. Select vegetation that:

- Is suited to well-drained soil;
- Will be dense and strong enough to stay upright, even in flowing water;
- Has minimum need for fertilizers;
- Is not prone to pests and is consistent with Integrated Pest Management practices; and
- Is consistent with local water conservation ordinance requirements.

Irrigation System

Provide an irrigation system to maintain viability of vegetation, if applicable. The irrigation system must be designed to local code or ordinance specifications.

Restricted Construction Materials

The use of pressure-treated wood or galvanized metal at or around a biofiltration area is prohibited.

Overflow Device

An overflow device is required at the 18-inch ponding depth. The following, or equivalent, should be provided:

- A vertical PVC pipe (SDR 26) to act as an overflow riser.
- The overflow riser(s) should be eight inches or greater in diameter, so it can be cleaned without damage to the pipe.

- The inlet to the riser should be at the ponding depth (18 inches for fenced biofiltration areas and 6 inches for areas that are not fenced), and be capped with a spider cap to exclude floating mulch and debris. Spider caps should be screwed in or glued (e.g., not removable). The overflow device should convey stormwater runoff in excess of 1.5 times the SWQDv that is not reliably retained on the project site to an approved discharge location (another stormwater quality control measure, storm drain system, or receiving water).

Maintenance Requirements

Maintenance and regular inspections are important for proper function of biofiltration areas. Biofiltration areas require annual plant, soil, and mulch layer maintenance to ensure optimal infiltration, storage, and pollutant removal capabilities. In general, biofiltration maintenance requirements are typical landscape care procedures and include:

- Irrigate plants as needed during prolonged dry periods. In general, plants should be selected to be drought-tolerant and not require irrigation after establishment (two to three years).
- Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred. Properly-designed facilities with appropriate flow velocities should not cause erosion except potentially during in extreme events. If erosion occurs, the flow velocities and gradients within the biofiltration area and flow dissipation and erosion protection strategies in the pretreatment area and flow entrance should be reassessed. If sediment is deposited in the biofiltration area, identify the source of the sediment within the tributary area, stabilize the source, and remove excess surface deposits.
- Prune and remove dead plant material as needed. Replace all dead plants, and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species.
- Remove weeds as needed until plants are established. Weed removal should become less frequent if the appropriate plant species are used and planting density is attained.
- Select the proper soil mix and plants for optimal fertility, plant establishment, and growth to preclude the use of nutrient and pesticide supplements. By design, biofiltration facilities are located in areas where phosphorous and nitrogen levels are often elevated such that these should not be limiting nutrients. Addition of nutrients and pesticides may contribute pollutant loads to receiving waters.
- In areas where heavy metals deposition is likely (i.e., tributary areas to industrial, vehicle dealerships/repair, parking lots, roads), replace mulch annually. In areas where metals deposition is less likely (i.e., residential lots), replace or add mulch as needed to maintain a two to three inch depth at least once every two years.

- Analyze soil for fertility and pollutant levels if necessary. Biofiltration soil media are designed to maintain long-term fertility and pollutant processing capability.
- Eliminate standing water to prevent vector breeding.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.
- Inspect, and clean if necessary, the underdrain.

A summary of potential problems that need to be addressed by maintenance activities is presented in Table E-13.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-13. Biofiltration Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Vegetation	Overgrown vegetation	Mow and prune vegetation as appropriate.
	Presence of invasive, poisonous, nuisance, or noxious vegetation or weeds	Remove this vegetation and plant native species as needed.
Trash and Debris	Trash, plant litter, and dead leaves present	Remove and properly dispose of trash and debris.
Irrigation (if applicable)	Not functioning correctly	Check irrigation system for clogs or broken lines and repair as needed.
Inlet/Overflow	Inlet/overflow areas clogged with sediment and/or debris	Remove material.
	Overflow pipe blocked or broken	Repair as needed.
Erosion/Sediment Accumulation	Splash pads or spreader incorrectly placed Presence of erosion or sediment accumulation	Check inlet structure to ensure proper function. Repair, or replace if necessary, the inlet device. Repair eroded areas with gravel as needed. Re-grade the biofiltration area as needed.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination from floatables such as oil and grease.
Standing water	Standing water observed more than 96 hours after storm event	Inspect, and clean as needed, the underdrain to ensure proper function. Clear clogs as needed. Remove and replace planter media (sand, gravel, topsoil, mulch) and vegetation.

Appendix C:
Modular Wetlands System (MWS) Biofiltration Vaults

Typical MWS Biofiltration Vault details have been provided for this Preliminary LID. Project specific details will be provided during final engineering.

SITE SPECIFIC DATA*	
PROJECT NAME	
PROJECT LOCATION	
STRUCTURE ID	

PERFORMANCE DATA	
TREATMENT VOLUME (CF)	
DRAINDOWN TIME (HR)	
TREATMENT HGL (FT)	
BYPASS FLOW RATE (CFS)	

PROJECT PARAMETERS			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
OUTLET PIPE 1			
RIM ELEVATION			
SURFACE LOADING REQUIREMENT			

FRAME & COVER	PRETREATMENT	BIOFILTRATION	DISCHARGE

WETLANDMEDIA VOLUME (CY)	
MEDIA DELIVERED	
ORIFICE SIZE (DIA)	
MAX PICK WEIGHT (LBS)	

NOTES:

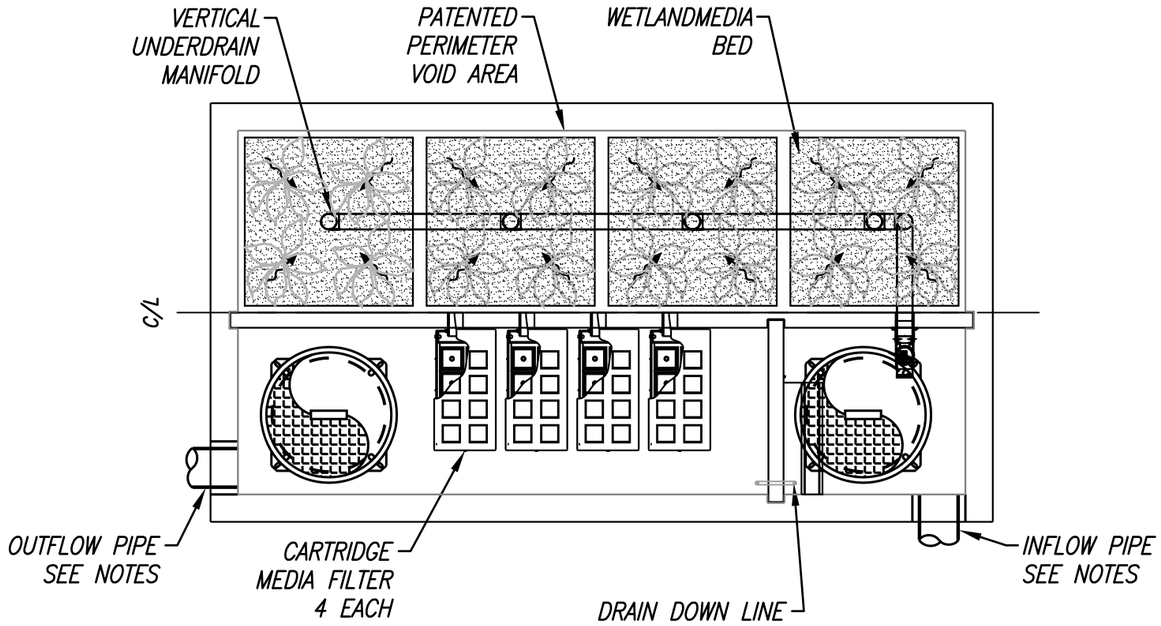
*PER ENGINEER OF RECORD

INSTALLATION NOTES

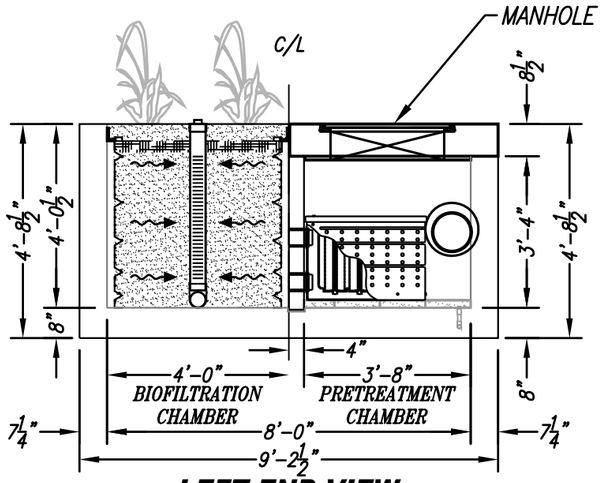
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. MANUFACTURER RECOMMENDS A MINIMUM 6"LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH).
4. INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR.
5. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
6. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

GENERAL NOTES

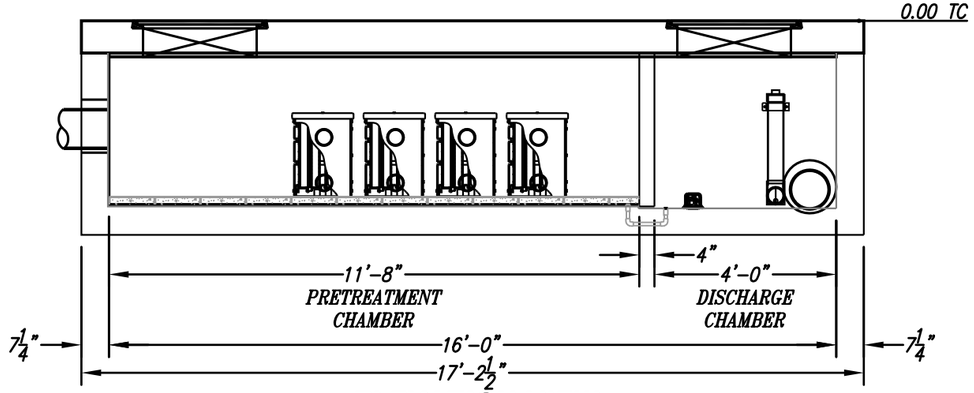
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



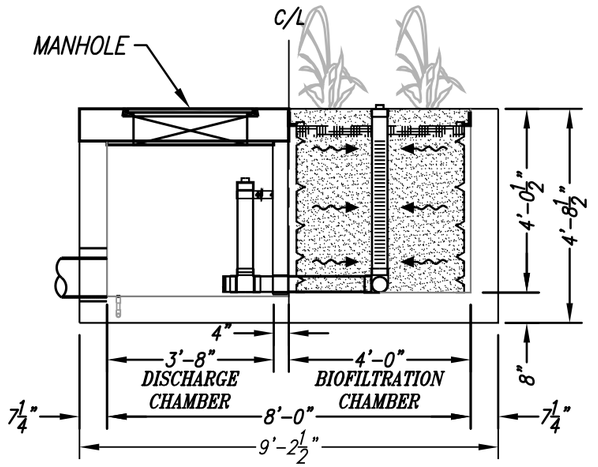
PLAN VIEW



LEFT END VIEW



ELEVATION VIEW



RIGHT END VIEW

MWS UNIT DESIGN DATA	
TREATMENT CAPACITY (CFS)	0.462
OPERATING HEAD (FT)	3.4
PRETREATMENT SURFACE AREA (SF)	141.12
WETLAND LOADING RATE (GPM/MIN)	1.03

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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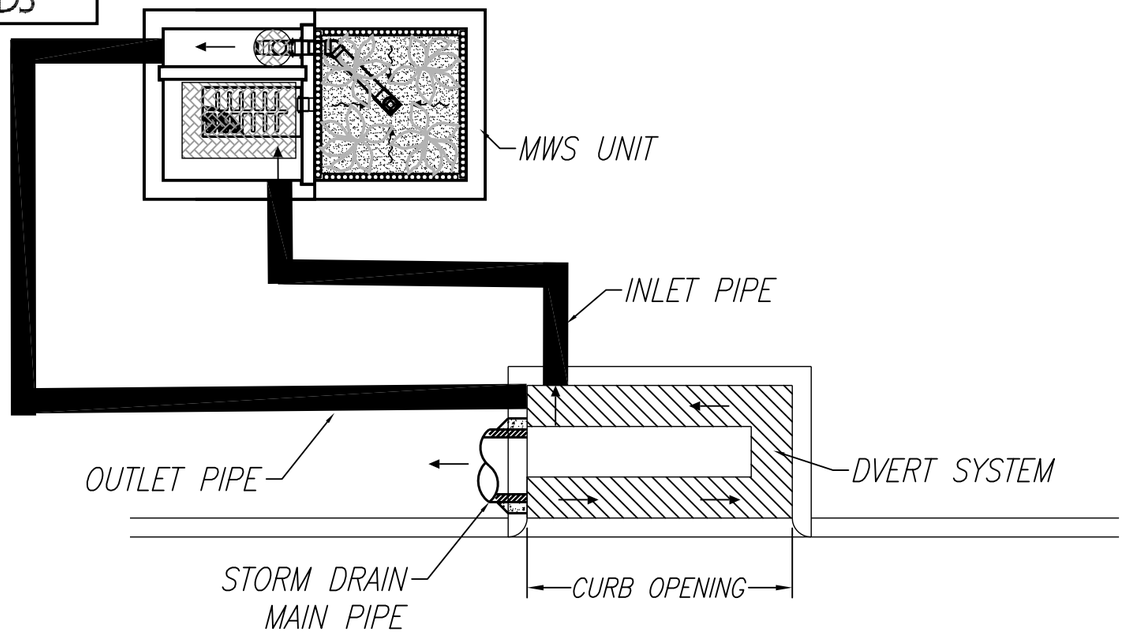
MODULAR WETLANDS

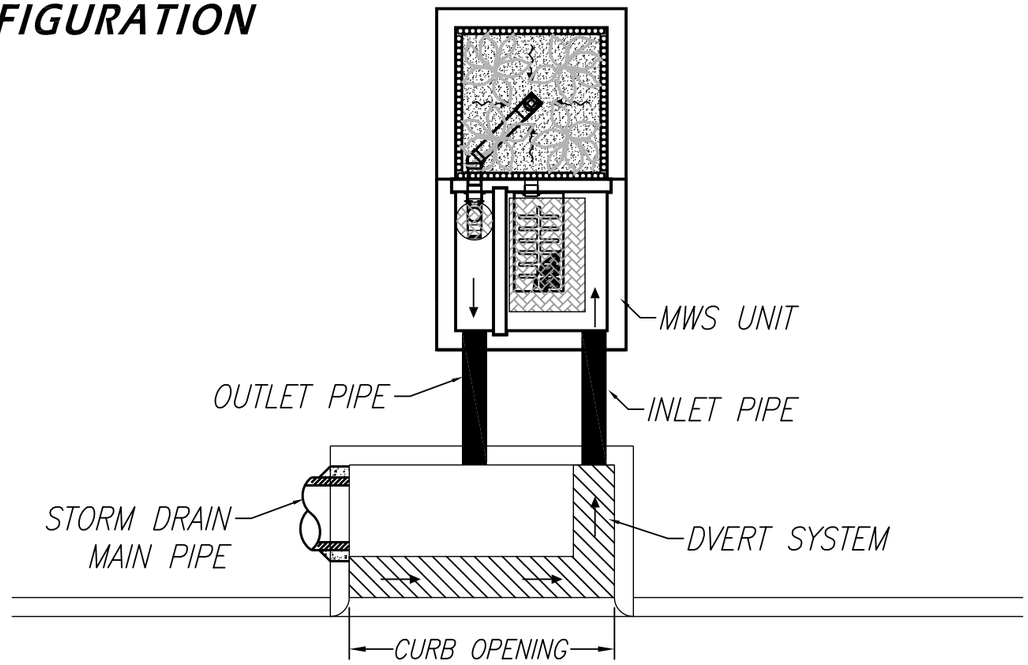
MWS-L-8-16-V

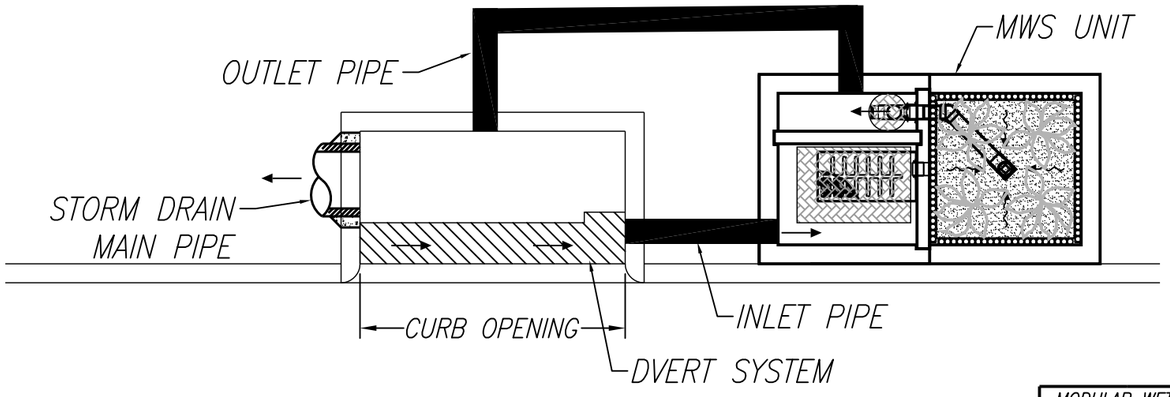
STORMWATER BIOFILTRATION SYSTEM

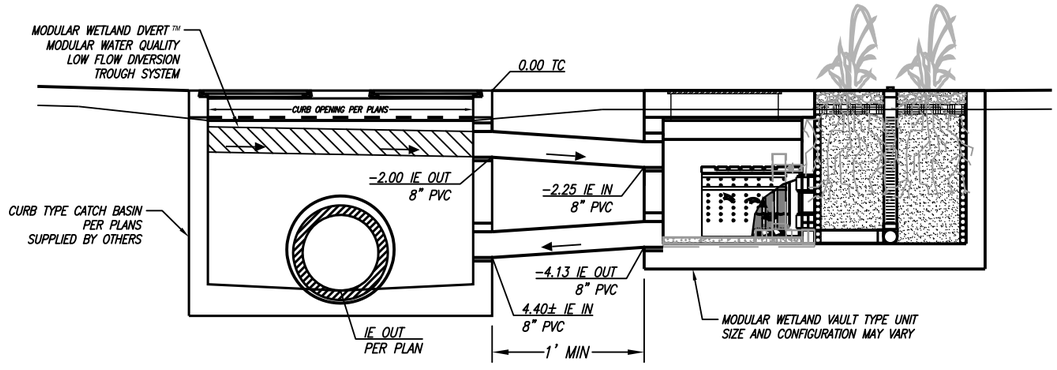
STANDARD DETAIL

MODULAR WETLAND SYSTEMS - LINEAR 2.0
STANDARD DVERT CONFIGURATION









MODULAR WETLAND SYSTEMS INC.
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PROPRIETARY AND CONFIDENTIAL

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	NAME	DATE
DRAWN		
EDITED		

COMMENTS:

TITLE: MWS LINEAR 2.0 DVERT SETUP

SIZE	DWG. NO.	REV

SCALE NTS | UNITS = INCHES | SHEET 1 OF 1

SPECIFICATIONS

MWS – Linear

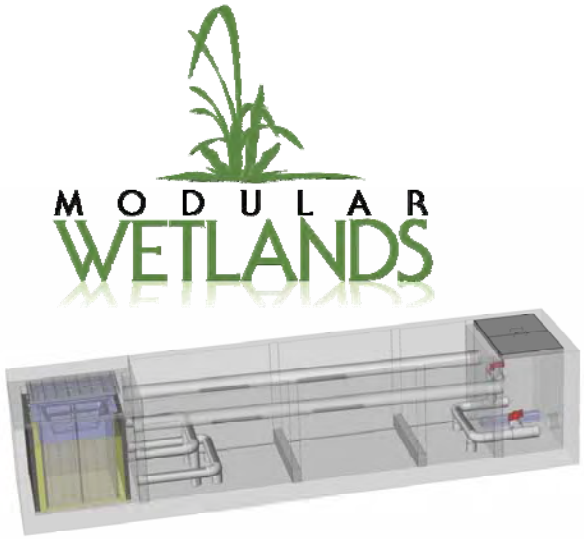
Hybrid Stormwater Filtration System

Modular Wetland Systems, Inc.
P.O. Box 869
Oceanside, CA 92049

www.modularwetlands.com
P 760-433-7640
F 760-433-3179

MWS – Linear

Hybrid Stormwater Filtration System



Save valuable space with small footprint for urban sites.

Improve BMP aesthetics with attractive native and tropical landscape plants.

Reduce lifetime costs with safer and less expensive maintenance

"The MWS – Linear hybrid stormwater treatment system is described as a self contained treatment train. This system utilizes an innovative combination of l treatment processes. Stormwater runoff flows into the system via pipe or curb/grate type catch basin opening. Polluted runoff first encounters a screening device to remove larger pollutants and then enters a hydrodynamic separation chamber which settles out the sediments and larger suspended solids. Next the runoff is treated by a revolutionary filter media, BioMediaGREEN that removes fines and associated pollutants, including bacteria. From there runoff enters of bioretention filter in the form of a subsurface flow vegetated gravel wetland. Within the wetland physical, chemical, and biological mechanisms remove the remaining particulate and dissolved pollutants. The purified runoff leaves the system via the discharge chamber. In the discharge chamber the rate of discharge is controlled by valves set to a desired rate".

Tested Pollutant Removal Efficiencies:

TSS Removal	Dissolved Lead Removal	Dissolved Copper Removal	TPH	E. coli Removal	Turbidity Removal
98%	81%	92%	99%	60.2%	92%

"Nature and Harmony Working Together in Perfect Harmony"

SPECIFICATIONS – MWS- LINEAR

Track Record: The MWS- Linear Hybrid Stormwater Treatment System is manufactured by a company whom is regularly engaged in the engineering design and production of treatment systems for stormwater.

Coverage: The MWS- Linear is designed to treat the water quality volume or water quality flow. For flow based design, high flow bypass is internal, for volume based design, high flow bypass is external and prior to pre-detention system. For offline volume based designs the MWS - Linear has the ability to treat the entire water quality volume when used with pre-storage and properly sized.

Non-Corrosive Materials: The MWS – Linear is designed with non-corrosive materials. All internal piping is SD35 PVC. Catch basin filter components, including mounting hardware, fasteners, support brackets, filtration material, and support frame are constructed of non-corrosive materials (316 stainless steel, and UV protected/marine grade fiberglass). Fasteners are stainless steel. Primary filter mesh is 316 stainless steel welded screens. Filtration basket screens for coarse, medium and fine filtration is ¾" x 1 ¾"expanded, 10 x 10 mesh, and 35 x 35 mesh, respectively. No polypropylene, monofilament netting or fabrics shall be used in this system. Media Protective Panels are constructed of UV protected/marine grade fiberglass. Mounts are constructed of stainless steel. BioMediaGREEN is an inert rock substrate and is non-corrosive. Perimeter filter structure is constructed of lightweight injection molded plastic. Mounting brackets are constructed of SD40 PVC and are mounted with 3/8" diameter stainless steel redheads. Drain down filter cover is constructed of UV protected/marine grade fiberglass and stainless steel hinge and mount.

Weight: Each complete unit weighs approximately 29,000 to 40,000 pounds and requires a boom crane to install. Details of this are provided in the installation section of the MWS-Linear Design Kit.

Transportation: The Modular Wetland System – Linear is designed to be transported on a standard flat bed truck. The unit easily fits on a flat bed truck without the need of special permitting.

Alternative Technology Configurations: The Modular Wetland System – Linear is modular is design. Each module will be up to 22 feet long and 5 feet wide. The system can be made in lengths varying from 13 to 100s of feet long. For lengths longer than 22 feet the system will shipped in modules and assembled on site. The Modular Wetland System – Linear has many alternative configurations. This allows the system to be adapted to many site conditions. Runoff can enter the system through a pipe, and/or a built in curb or grate type opening.

Energy Requirements: The Modular Wetland System – Linear is completely passive and requires no external energy sources.

Buoyancy Issues: Buoyancy is only a an issue when ground water levels rise above the bottom of the Modular Wetland System – Linear's concrete structure. With 8.5 cubic yards of wetland media there is no concern of floatation. As a precaution a footing can also be built into the systems concrete structure.

Durability: The structure of the box will be precast concrete. The concrete will be 28 day compressive strength fc = 5,000 psi. Steel reinforcing will be ASTM A – C857. Structure will support an H20 loading as indicted by AASHTO. The joint between the concrete sections will ship lap and joint sealed with ram-nek. Filter (excluding oil absorbent media) and support structures are of proven durability. The filter and mounting structures are of sufficient strength to support water, sediment, and debris loads when the filter is full, with no slippage, breaking, or tearing. All filters are warranted for a minimum of five (5) years.

Oil Absorbent Media: The MWS – Linear utilizes both physical and biological mechanisms to capture and filter oil and grease. A skimmer and boom system will be positioned on the internal perimeter of the catch basin insert. The primary filtration media, BioMediaGreen, utilized in the perimeter and drain down filters, has excellent hydrocarbon removal abilities. Within the wetland filter biological processes capture and

break down oil and grease. Much of the breakdown and transformation of oil and grease is performed by natural occurring bacteria.

Overflow Protection: The grate and curb type MWS – Linear are designed with an internal bypass consisting of two SD PVC pipes which direct high flows around the perimeter and wetland filter, directly into the discharge chamber. For the volume based vault type configuration, bypass should be located prior to the pre-detention system. For peak flows that exceed internal bypass capacity, external bypass is use.

Filter Bypass: Runoff will bypass filtration (BioMediaGREEN and wetland filter) components of the MWS - Linear. The system will still provide screening and settling during higher flow rates for internally bypassed flows. External bypass will bypass of treatment processes.

Pollutant Removal Efficiency: The MWS - Linear is capable of removing over 90% of the net annual total suspended solids (TSS) load based on a 20-micron particle size. Annual TSS removal efficiency models are based on documented removal efficiency performance from full-scale laboratory tests on BioMediaGreen and quarter-scale laboratory tests on the MWS – Linear flow based system.

POLLUTANT	REMOVAL EFFICIENCY
Trash & Litter	99%
TPH (mg/L)	99%
TSS (mg/L)	98%
E. Coli (MPN/100ml)	60%
Turbidity (NTU)	92%
Dissolved Metals (mg/L)	76%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

Non-Scouring: During heavy storm events the runoff bypasses perimeter and wetland filter components. The system will not re-suspend solids at design flows.

Uniqueness: The Modular Wetland System – Linear is a complete self contained treatment train that incorporates capture, screening, sedimentation, filtration, bioretention, high flow bypass, and flow control into a single modular structure. This system provides four stages of treatment making it the only 4 stage treatment train stormwater filtration system, therefore making it unique to the industry. Other systems do not incorporate all the necessary attributes to make it a complete stormwater management device as with the Modular Wetland System – Linear. Therefore, no equal exists for this system.

Pretreatment & Preconditioning: Since the Modular Wetland System – Linear is a complete capture and treatment train stormwater management system no external pretreatment of preconditioning is necessary.

SPECIFICATIONS – BioMediaGREEN

BioMediaGREEN is a proprietary engineered filter media. Made of a unique combination of the inert naturally occurring material this product is non-combustible and do not pose a fire hazard, stable and non-reactive, and is also biodegradable. It is stable with no known adverse environmental effects.

This product has been tested in long-term carcinogenicity studies [inhalation and intraperitoneal injection (i.p.)] with no significant increase in lung tumors or abdominal tumors. Short-term biopersistent (inhalation and intra-tracheal injection) studies have shown that the products disappear very rapidly from the lung.

In October 2001, IARC classified this product as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on the latest epidemiological studies and animal inhalation studies that show no relation between inhalation exposure and the development of tumors.

The product can typically be disposed of in an ordinary landfill (local regulations may apply). If you are unsure of the regulations, contact your local Public Health Department or the local office of the Environmental Protection Agency (EPA).

Coverage: When properly installed BioMediaGREEN Filter Blocks provide sufficient contact time, at rated flows, of passing contaminate water. The BioMediaGREEN material will capture and retain most pollutants that pass through it. The BioMediaGREEN material is made of a proprietary blend of inert substances. The BioMediaGREEN Filter Blocks can be used in different treatment devices, including but not limited to flume filters, trench drain filters, downspout filters, catch basin inserts, water polishing units, and hydrodynamic separators.

Non-Corrosive Materials: The BioMediaGreen material is made of non-corrosive materials.

Durability: The BioMediaGREEN material has been chosen for its proven durability, with an expected life of 2 plus years. The BioMediaGREEN material is of sufficient strength to support water, sediment, and debris loads when the media is at maximum flow; with no slippage, breaking, or tearing. The BioMediaGREEN material has been tested through rigorous flow and loading conditions.

Oil Absorbent Media: The BioMediaGREEN material has been proven to capture and retain hydrocarbons.

Pollutant Removal Efficiency: The BioMediaGREEN Filter Blocks are designed to capture high levels of Hydrocarbons including but not limited to oils & grease, gasoline, diesel, and PAHs. BioMediaGREEN Filter Blocks have the physical ability to block and filter trash and litter, grass and foliage, sediments, TSS, particulate and dissolved metals, nutrients, and bacteria.

BioMediaGREEN technology is based on a proprietary blend of synthetic inert natural substances aimed at removal of various stormwater pollutants. BioMediaGREEN was created to have a very porous structure capable of selectively removing pollutants while

allowing high flow through rates for water. As pollutants are captured by its structure, BioMediaGREEN captures most pollutants and maintains porosity and filtering capabilities.

Field and laboratory tests have confirmed the BioMediaGREEN capability to capture large percentage of TSS, hydrocarbons, nutrients, and heavy metals. Microbial reduction efficiency will vary depending on colony size, flow rates and site specific conditions.

POLLUTANT	REMOVAL EFFICIENCY
Oil & Grease (mg/L)	90%
TPH (mg/L)	99%
TSS (mg/L)	85%
Turbidity (NTU)	99%
Total Phosphorus (mg/L)	69.6%
Dissolved Metals (mg/L)	75.6%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

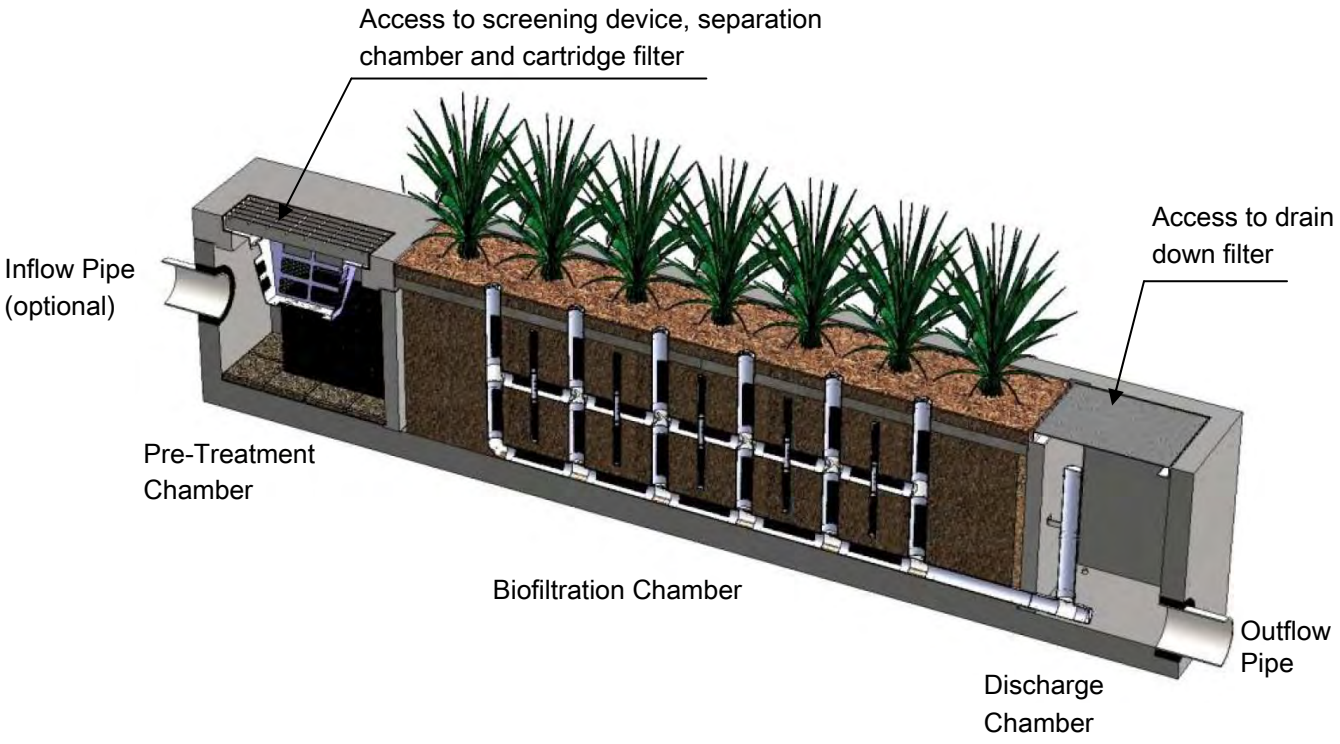
Replacement: Removal and replacement of the blocks is simple. Remove blocks from filtration system. Replace with new block of equal size.

Maintenance Guidelines for Modular Wetland System - Linear

Maintenance Summary

- Remove Trash from Screening Device – average maintenance interval is 6 to 12 months.
  - (*5 minute average service time*).
- Remove Sediment from Separation Chamber – average maintenance interval is 12 to 24 months.
  - (*10 minute average service time*).
- Replace Cartridge Filter Media – average maintenance interval 12 to 24 months.
  - (*10-15 minute per cartridge average service time*).
- Replace Drain Down Filter Media – average maintenance interval is 12 to 24 months.
  - (*5 minute average service time*).
- Trim Vegetation – average maintenance interval is 6 to 12 months.
  - (*Service time varies*).

System Diagram



Maintenance Procedures

Screening Device

1. Remove grate or manhole cover to gain access to the screening device in the Pre-Treatment Chamber. Vault type units do not have screening device. Maintenance can be performed without entry.
2. Remove all pollutants collected by the screening device. Removal can be done manually or with the use of a vacuum truck. The hose of the vacuum truck will not damage the screening device.
3. Screening device can easily be removed from the Pre-Treatment Chamber to gain access to separation chamber and media filters below. Replace grate or manhole cover when completed.

Separation Chamber

1. Perform maintenance procedures of screening device listed above before maintaining the separation chamber.
2. With a pressure washer spray down pollutants accumulated on walls and cartridge filters.
3. Vacuum out Separation Chamber and remove all accumulated pollutants. Replace screening device, grate or manhole cover when completed.

Cartridge Filters

1. Perform maintenance procedures on screening device and separation chamber before maintaining cartridge filters.
2. Enter separation chamber.
3. Unscrew the two bolts holding the lid on each cartridge filter and remove lid.
4. Remove each of 4 to 8 media cages holding the media in place.
5. Spray down the cartridge filter to remove any accumulated pollutants.
6. Vacuum out old media and accumulated pollutants.
7. Reinstall media cages and fill with new media from manufacturer or outside supplier. Manufacturer will provide specification of media and sources to purchase.
8. Replace the lid and tighten down bolts. Replace screening device, grate or manhole cover when completed.

Drain Down Filter

1. Remove hatch or manhole cover over discharge chamber and enter chamber.
2. Unlock and lift drain down filter housing and remove old media block. Replace with new media block. Lower drain down filter housing and lock into place.
3. Exit chamber and replace hatch or manhole cover.

Maintenance Notes

1. Following maintenance and/or inspection, it is recommended the maintenance operator prepare a maintenance/inspection record. The record should include any maintenance activities performed, amount and description of debris collected, and condition of the system and its various filter mechanisms.

2. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time.

3. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.

4. Entry into chambers may require confined space training based on state and local regulations.

5. No fertilizer shall be used in the Biofiltration Chamber.

6. Irrigation should be provided as recommended by manufacturer and/or landscape architect. Amount of irrigation required is dependent on plant species. Some plants may require irrigation.

Maintenance Procedure Illustration

Screening Device

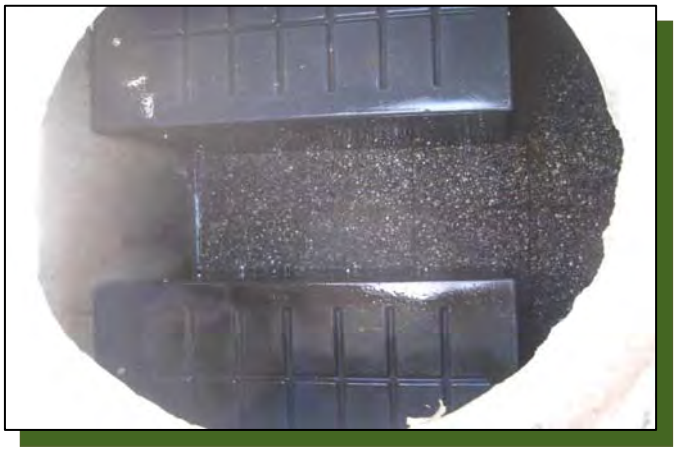
The screening device is located directly under the manhole or grate over the Pre-Treatment Chamber. It's mounted directly underneath for easy access and cleaning. Device can be cleaned by hand or with a vacuum truck.

Separation Chamber

The separation chamber is located directly beneath the screening device. It can be quickly cleaned using a vacuum truck or by hand. A pressure washer is useful to assist in the cleaning process.

Cartridge Filters

The cartridge filters are located in the Pre-Treatment chamber connected to the wall adjacent to the biofiltration chamber. The cartridges have removable tops to access the individual media filters. Once the cartridge is open media can be easily removed and replaced by hand or a vacuum truck.



Drain Down Filter

The drain down filter is located in the Discharge Chamber. The drain filter unlocks from the wall mount and hinges up. Remove filter block and replace with new block.

Trim Vegetation

Vegetation should be maintained in the same manner as surrounding vegetation and trimmed as needed. No fertilizer shall be used on the plants. Irrigation per the recommendation of the manufacturer and or landscape architect. Different types of vegetation requires different amounts of irrigation.

Inspection Form

Modular Wetland System, Inc.
P. 760.433-7640
F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Inspection Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Inspection Checklist

Modular Wetland System Type (Curb, Grate or UG Vault): _____ Size (22', 14' or etc.): _____

Structural Integrity:	**Yes**	**No**	**Comments**
Damage to pre-treatment access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Damage to discharge chamber access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Does the MWS unit show signs of structural deterioration (cracks in the wall, damage to frame)?			
Is the inlet/outlet pipe or drain down pipe damaged or otherwise not functioning properly?			
Working Condition:			
Is there evidence of illicit discharge or excessive oil, grease, or other automobile fluids entering and clogging the unit?			
Is there standing water in inappropriate areas after a dry period?			
Is the filter insert (if applicable) at capacity and/or is there an accumulation of debris/trash on the shelf system?			
Does the depth of sediment/trash/debris suggest a blockage of the inflow pipe, bypass or cartridge filter? If yes, specify which one in the comments section. Note depth of accumulation in in pre-treatment chamber.			Depth:
Does the cartridge filter media need replacement in pre-treatment chamber and/or discharge chamber?			Chamber:
Any signs of improper functioning in the discharge chamber? Note issues in comments section.			
Other Inspection Items:			
Is there an accumulation of sediment/trash/debris in the wetland media (if applicable)?			
Is it evident that the plants are alive and healthy (if applicable)? Please note Plant Information below.			
Is there a septic or foul odor coming from inside the system?			

Waste:	**Yes**	**No**
Sediment / Silt / Clay		
Trash / Bags / Bottles		
Green Waste / Leaves / Foliage		

Recommended Maintenance	
No Cleaning Needed	
Schedule Maintenance as Planned	
Needs Immediate Maintenance	

Plant Information	
Damage to Plants	
Plant Replacement	
Plant Trimming	

Additional Notes: _____

2972 San Luis Rey Road, Oceanside, CA 92058 P (760) 433-7640 F (760) 433-3176

Maintenance Report

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F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Cleaning and Maintenance Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Site Map #	GPS Coordinates of Insert	Manufacturer / Description / Sizing	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Total Debris Accumulation	Condition of Media 25/50/75/100 (will be changed @ 75%)	Operational Per Manufactures' Specifications (If not, why?)
	Lat: Long:	MWS Catch Basins						
		MWS Sedimentation Basin						
		Media Filter Condition						
		Plant Condition						
		Drain Down Media Condition						
		Discharge Chamber Condition						
		Drain Down Pipe Condition						
		Inlet and Outlet Pipe Condition						

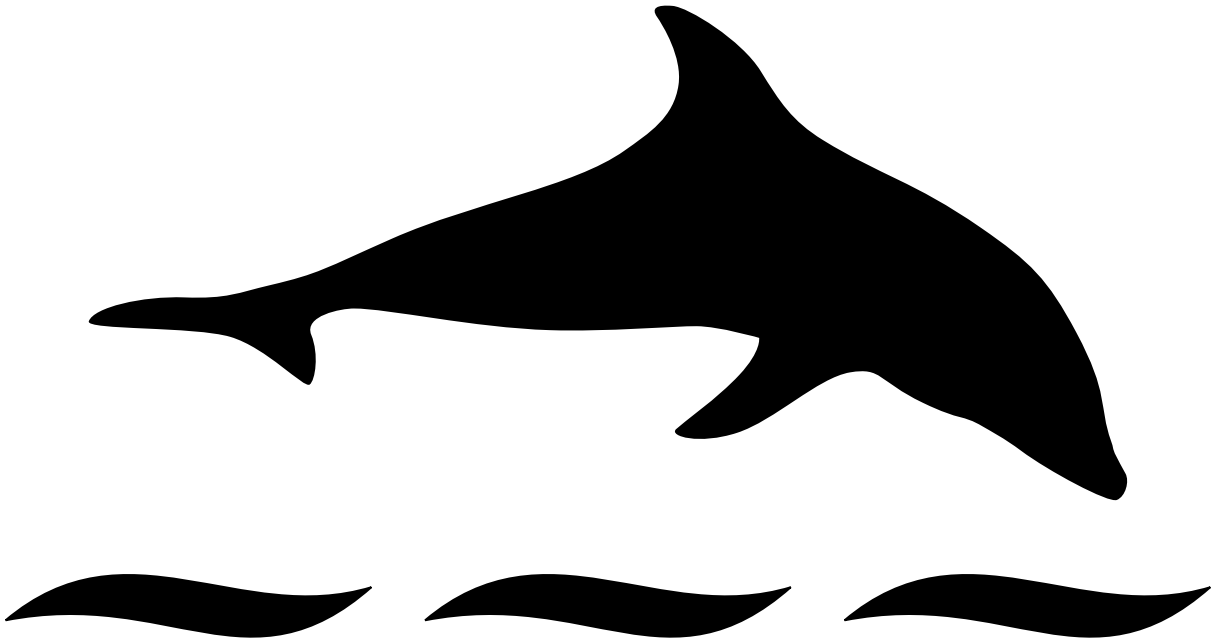
Comments:

2972 San Luis Rey Road, Oceanside, CA 92058 P. 760.433.7640 F. 760.433.3176

Appendix D:
"NO DUMPING – DRAINS TO OCEAN" Stencil Examples

Sample Stencil 1

NO DUMPING



DRAINS TO OCEAN

Sample Stencil 2

Appendix E:
Catch Basin Cleaning

OPERATION & MAINTENANCE PLAN
FOR FILTER INSERT

The maintenance program will include the following key components:

1. **REGULAR SWEEPING AND REMOVAL OF DEBRIS:**
   Vehicle parking lot will be swept on a regular basis. Sediment and debris (litter, leaves, papers and cans, etc.) within the area, especially around the drainage inlet, will be collected and removed. The frequency of sweeping will be based on the amount of sediment and debris generated.

2. **REGULAR INSPECTIONS:**
   The catch basin, downspout, or trench drain filter insert will be inspected on a regular basis. The frequency of inspection will be based on pollutant loading, amount of debris, leaves, etc., and amount of runoff. At a minimum, there will be three inspections per year.

3. **CONDUCT OF THE VISUAL INSPECTION:**
   a. Broom sweep around the inlet and remove the inlet grate.
   b. Inspect the filter liner for serviceability. If called for, the filter body will be replaced.
   c. Check the condition of the adsorbent pouches and visually check the condition of the enclosed adsorbent. If the surface of the granules is more than 50% coated with a dark gray or black substance, the pouches will be replaced with new ones.
   d. Check for loose or missing nuts (on some models) and gaps between the filter and the inlet wall, which would allow bypass of the filter during low flows.
   e. The filter components will be replaced in the inlet and the grate replaced.

4. **CLEANING OUT THE FILTER INSERT:**
   Regardless of the model of filter insert, the devices must be cleaned out on a recurring basis. The manufacturer recommends at least three cleanings per year – more in high exposure areas. For the Flo-Gard+Plus filters, the filter must be cleaned when the solids level reaches close to the fullel tip.
   a. The Standard Filter, in most cases, can be cleaned out by removing the device from the inlet and dumping the contents into a DOT approved drum for later disposal. If the oil-absorbant pouches need to be changed, the time to change them is immediately after dumping and before the filter is replaced in the inlet.
   b. Because of weight, method of installation and so forth, some filter inserts will be cleaned with the aid of a vactor truck. If necessary, the oil-absorbant pouches will be changed after the pollutants have been removed and as the filter is being returned to service.

5. **MAINTENANCE LOG:**
   Keep a log of all inspections and maintenance performed on the catch basins, trench drains, and filter inserts. Keep this log on-site.

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

Appendix F:
General Education Materials

To be provided during final engineering

Appendix G:
Operation and Maintenance Plan

To be provided during final engineering

Appendix H:
Geotechnical Investigation

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CITY VENTURES
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May 6, 2019
Project No. 1-0286

Attention: Ms. Kim Prijatel

Subject: **GEOTECHNICAL INVESTIGATION**
930 West Compton Boulevard
City of Compton, California.

References: See Appendix A

Dear Ms. Prijatel:

Presented herein is Alta California Geotechnical, Inc.'s (Alta) geotechnical investigation report for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing and review of the referenced reports.

Also included in this report are:

- Discussion of the site geotechnical conditions;
- Recommendations for remedial and site grading, including unsuitable soil removals;
- Geotechnical site construction recommendations;
- Preliminary foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

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1.0 INTRODUCTION

The following report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. The property is depicted on the enclosed Plate 1. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Review of the referenced literature, maps, reports and aerial photos (Appendix A);
- Site geologic mapping;
- Excavating, logging, and sampling five (5) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B);
- Conducting laboratory testing on samples obtained during our investigation (Appendix C);
- Performing an infiltration study on an additional boring, five (5) feet in depth, to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal;
- Conducting a liquefaction analysis;
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading, import soil, foundations and utilities;
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Existing Conditions

The property consists of a rectangular-shaped, 2.45± -acre parcel located at 930 West Compton Boulevard, in the City of Compton, California. Currently, the site is a vacant lot and is relatively flat. The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue.

A review of aerial photos (Historic Aerials, 2019) indicates that the lot was vacant up until the 1970s where it was graded for the construction of a hospital. The hospital was demolished around 2004 and the lot has remained vacant since.

2.2 Proposed Development

It is our understanding that site will be developed into a residential development to support 24 homes with associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements. Design cuts and fills onsite are anticipated to be five feet or less.

3.0 SITE INVESTIGATION

3.1 Current Subsurface Investigation

Alta conducted a subsurface investigation on April 18, 2019 consisting of the excavation, logging and select sampling of five (5) hollow-stem auger borings up to a maximum depth of 51.5 feet below the existing ground surface and the installation of one (1) five-foot deep well for infiltration testing. The locations of the exploratory excavations are shown on Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the site may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using one, five (5) foot-deep boring (P-1) as shown on Plate 1. The testing was performed on April 19, 2019 in general conformance with the County of Los Angeles for WQMP. The test well was presoaked for 24 hours prior to testing and the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate for P-1 is 0.13 inches per hour, with no factor of safety, as summarized in Table 3-1. Recommendations for infiltration BMP design are presented in Section 6.3.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)	
Test Designation	P-1
Approximate Depth of Test	5.0 ft
Final Time Interval	30 minutes
Radius of Test Hole	4 inches
Tested Infiltration Rate	0.13 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where major right-lateral active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on Alta's review of geologic literature and our subsurface investigation, the project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

4.2.1 Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

4.2.2 Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill which consist of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff and medium

dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings and Bryant (2010) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework the site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which the site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward to the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the Santa Ana sub-block, which is bound on the east by the Whittier-Elsinore fault zone and on the west by Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the onsite sediments are of Quaternary age, and are not fractured, folded, or faulted.

4.4 Groundwater

Groundwater was not encountered to a depth of 51.5 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is ten (10) feet below the ground surface (CDMG, 1998).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles south west of the Puente Hills fault zone, 9.1 miles north 0f the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

4.5.2 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

Seismic design parameters using soil profile types identified in the 2016 California Building Code are presented in Section 7.3.

4.5.3 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically-induced ground shaking.

Groundwater was not encountered during our subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow-stem auger borings and laboratory test results to analyze the liquefaction

potential of the young Quaternary alluvium. A description of Alta's analysis and calculations are presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking.

- **Loss of Bearing:**

  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**

  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  There were no layers within 32 feet of the existing ground surface with $(N1)_{60}$ values less than 15 that are susceptible to liquefaction. As such, it is our opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

- **Settlement:**

  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand

particles. Our liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1.

- **Flow Failure:**

  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

4.5.4 Dry Sand Settlement

Dry sand settlement is the process of settlement of the ground surface during a seismic event in sand layers. Based on the remedial grading recommendations, the density and fines content of the underlying young alluvium, dry sand settlement is not anticipated to be a significant constraint.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) and in-place moisture/density results are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigation, it is our opinion that the majority of the onsite materials possess favorable excavation characteristics such that conventional earthmoving equipment can be utilized.

5.1.2 Compressibility

The onsite artificial fill and upper portions of the young alluvium are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the artificial fill and upper portions of young alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B. These soils may need to be dried or mixed with drier materials before placing them as engineered fill, as noted in Section 6.2.6.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, and/or irregular loading patterns.

Based on our laboratory testing (Appendix C), the potential for hydro-collapse onsite is minimal and should be within foundation tolerances upon the completion of the recommended unsuitable soils removals.

5.1.5 Expansion Potential

Expansion index testing was performed on a sample taken during our subsurface investigation. Based on the results, it is anticipated that the

majority of materials onsite are "medium" to "high" in expansion potential (51≤EI≤130, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Artificial Fill/Young Quaternary Alluvium	Shrink 4% to 6%	5%

5.1.7 Chemical Analyses

Chemical testing was performed on a sample of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Class S0) per ACI 318-14.

Negligible chloride levels were detected in the onsite soils (Appendix C). Resistivity testing conducted as part of this investigation, indicates that the soils are "severely corrosive" to buried metals (per Romanoff, 1989). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Compton criteria.

6.1.1 Site Preparation

Vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Los Angeles Department of Health Services.

Existing concrete from the demolition of the hospital should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a

maximum size of six (6) inches. Prior to placement as engineered fill, any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

6.1.2 Unsuitable Soil Removals

The artificial fill and the upper portions of the young alluvium are compressible and as such, are not suitable to support the proposed structures. Therefore, it is anticipated that, on average, the upper three (3) to six (6) feet of existing soils will require removal and recompaction, extending a minimum of five (5) feet horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet of natural soils is recommended (all artificial fill should be removed and recompacted). For cuts greater than two (2) feet in street areas, removals are not required. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils such as undocumented artificial fill are exposed upon the completion of the removals recommended above, additional removals may be required.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type equipment.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater will not be encountered during construction. It is possible that perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of the compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Types "B" and "C" per OSHA standards. Upon completion of the recommended removals and re-compaction, the artificial fill will be classified as Soil Type "B". It is anticipated that perched water will not be encountered during excavation. The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

6.2.10 Backcut Stability

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary instability, either on or offsite, further restrictions such as slot cutting, extending work days, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Storm Water Infiltration Systems

Municipalities have been increasing the requirement for onsite storm water infiltration, rather than allowing water to enter storm drain systems. From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rate for P-1 was calculated to be 0.13-inches per hour, at approximately 5-feet below the existing ground surface. The results do not include a factor of safety. Given the characteristics of the underlying soil, in our opinion, deeper testing would not result in higher rates.

Groundwater was not encountered during our subsurface investigation at a depth of 51.5 feet below the existing ground surface. The historic-high groundwater is 10 feet below the ground surface (CDMG, 1998).

Given the low infiltration rate, high in-situ moisture content and fine-grained nature of the underlying soil, infiltration WQMP systems are likely not feasible at the subject site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.4 Boundary Conditions

The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue. Construction of retaining/screen walls in these areas may require additional

geotechnical recommendations concerning unsuitable soil removals and foundation design parameters as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story, wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess "medium" to "high" expansion potential when tested in general accordance with ASTM Test Method D: 4829. Due to the expansion potential, it is anticipated that post-tensioned slabs will be utilized for the project.

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement - 0.5 inches in 40 feet Dynamic Settlement - 0.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-3. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2016 CBC.

TABLE 7-3
POST-TENSION SLAB DESIGN PARAMETERS

Category	Expansion Potential	Minimum Embedment*	Edge Lift		Center Lift	
			Em (ft)	Ym (inch)	Em (ft)	Ym (inch)
II	Medium	18 inches	5.0	1.10	9.0	0.46
III	High	24 inches	4.5	1.58	9.0	0.65
Slab Subgrade Moisture						
Category II	Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete					
Category III	Minimum 130% of optimum moisture to a depth of 18 inches prior to pouring concrete					
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, the minimum embedment depths can be reduced to 12-inches for Category II and 18-inches for Category III.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic

membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site has been identified as "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the project are presented on Figure 1. These parameters should be verified by the structural engineer. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

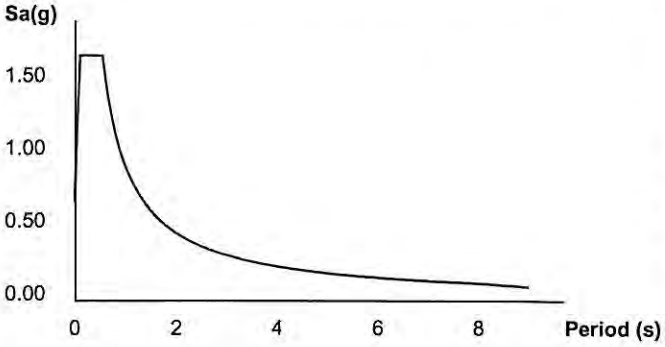
7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

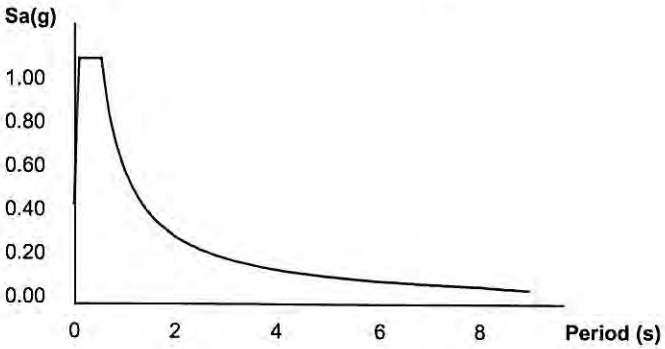
Search Information

Address:	930 W Compton Blvd, Compton, CA 90220, USA
Coordinates:	33.895486, -118.24094000000002
Elevation:	83 ft
Timestamp:	2019-04-30T19:17:15.204Z
Hazard Type:	Seismic
Reference Document:	ASCE7-10
Risk Category:	II
Site Class:	D

MCER Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S_S	1.682	MCE_R ground motion (period=0.2s)
S_1	0.616	MCE_R ground motion (period=1.0s)
S_{MS}	1.682	Site-modified spectral acceleration value
S_{M1}	0.924	Site-modified spectral acceleration value
S_{DS}	1.122	Numeric seismic design value at 0.2s SA
S_{D1}	0.616	Numeric seismic design value at 1.0s SA

▾Additional Information

Name	Value	Description
SDC	D	Seismic design category
F_a	1	Site amplification factor at 0.2s
F_v	1.5	Site amplification factor at 1.0s
CR_S	0.986	Coefficient of risk (0.2s)
CR_1	1.002	Coefficient of risk (1.0s)
PGA	0.623	MCE_G peak ground acceleration
F_{PGA}	1	Site amplification factor at PGA

FIGURE 1

7.6 Retaining Wall Design

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Based on the fine-grained nature of the soils onsite, it is anticipated suitable free-draining backfill material will need to be imported to the site. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-3 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-3
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2016 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $21H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2016 CBC.

- Restrained retaining walls should be designed for "at-rest" conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case by case basis.

7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

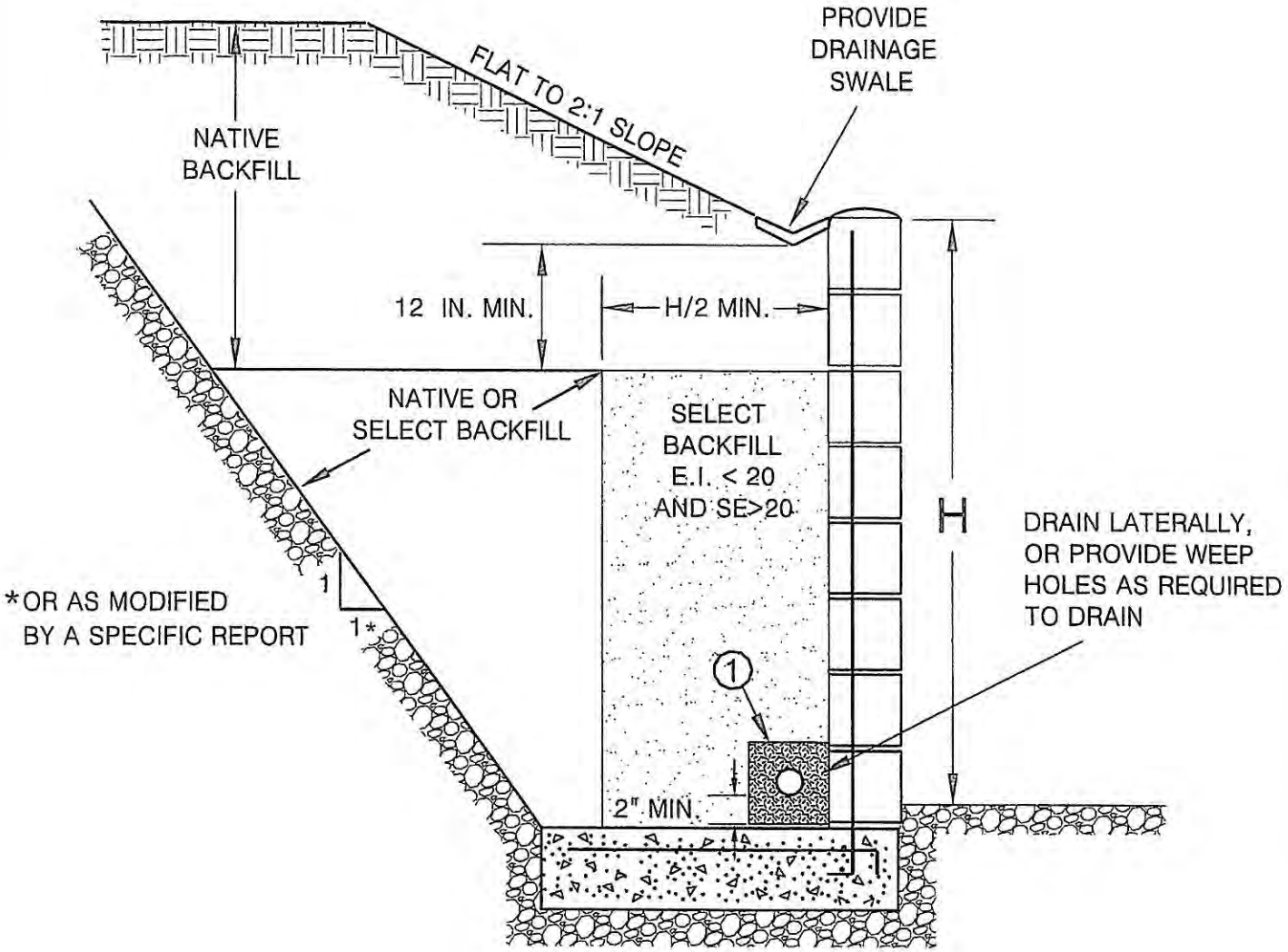
7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 120 percent of optimum moisture (medium expansion) or a

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

minimum of 130 percent of optimum moisture (high expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as medium in expansion potential with possible amounts of high expansive soil. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium or high expansive soils. Given the expansion potential, consideration should be given to reinforcing concrete flatwork with a minimum of 6x6-W1.4xW1.4 welded wire mesh.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils. Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 10, the pavement may be designed utilizing the sections presented in Table 7-4. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Compton's purview.

Table 7-4 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 10-inch AB	4-inch AC on 7-inch AB
5.5	3-inch AC on 11-inch AB	4-inch AC on 8.5-inch AB
6.0	3.5-inch AC on 11.5-inch AB	4-inch AC on 10.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Compton. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. The following recommendations should be implemented.

8.1 Lot Drainage

Roof, pad and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Owners should be made aware that they are responsible for maintenance and cleaning of

all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Residents or owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this

report. If the project description or final design varies from that described herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

References

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling five (5) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate locations of the exploratory excavations are shown on Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Ring Samples 2. Bulk Samples	1. Ring-Select Depths 2. Bulk-Select Depths

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200 | 40 | 10 | 4

CLEAR SQUARE SIEVE OPENINGS: 3/4" | 3" | 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	Sieve Analysis
SA	Maximum Density
MAX	Resistance (R) Value
RV	Expansion Index
EI	Sand Equivalent
SE	Atterberg Limits
AL	Chemical Analysis
CHEM	Hydrometer Analysis
HY	

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @ 0.5 ft. dark brown, moist.				
	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 3.5 ft. brown.	19.7	102	84	
5		R	38		ML	@ 5.0 ft. CLAYEY SILT, light tan brown to brown, moist, very stiff, trace gravel up to 1/4" in diameter.	20.0	104	89	
	75	R	38			@ 7.5 ft. brown.	18.3	111	99	
10		R	53			@ 10.0 ft. brown w/ mottled light tan.	19.0	108	94	
	70									
15		R	36			@ 15.0 ft. light brown.	16.3	103	72	
					CL	@ 16.0 ft. SILTY CLAY, brown w/light tan mottling, very stiff, few gravel up to 3/4" in diameter.				
	65									
20		R	42		ML	@ 20.0 ft. CLAYEY SILT, light brown tan, moist, very stiff.	21.8	102	94	
	60									
25		S	6,8,10			25.0 ft. brown.				
	55									
30		S	5,8,11							
	50									
35		S	8,10,13							
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	11,17,18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya); Continued: @ 41.0 ft. SILTY CLAY, brown, moist, very stiff.				
40										
45		S	18,21,30		SP	@ 45.0 ft. SAND, fine to medium grained, white tan, slightly moist, very dense.				
35										
50		S	21,33,37			@ 50.0 ft. moist.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry stiff, w/roots, few gravel up to 1/2" in diameter. @ 0.5 ft. dark brown, moist, concrete cobbles up to 7" in diameter.				
	80	R	16				14.3	116	89	
		B								
5		R	34		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	13.0	120	92	
	75									
10		R	71		ML	@ 10.0 ft. CLAYEY SILT w/SAND, white/orange brown, moist, very stiff.	12.0	120	84	HY, AL
	70									
15		R	38			@ 15.0 ft. slightly moist, brown.	21.3	105	99	
	65									
20		R	35			@ 20.0 ft. light orange brown, moist, stiff.	18.9	105	86	
	60									
25		S	5,9,12							
	55									
30		S	6,7,13		ML	@ 30.0 ft. SILT, light brown, moist, stiff, few clay.				
	50									
35		S	7,13,20			@ 35.0 trace gravel up to 1/4" in diameter.				
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	15,15,15		SC	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; CLAYEY SAND, brown, moist, very stiff.				
40										
45		S	10,10,15		ML	@ 45.0 CLAYEY SILT, brown, moist, very stiff. @ 46.5 ft. gray brown.				
35										
50		S	5,10,12			TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80	R	13				16.1	110	84	
5		R	22		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY w/SAND, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	17.6	112	98	CON, HY
	75	R	80			@ 7.5 ft. brown w/tan mottling.	15.3	112	84	CON, HY
					ML	@ 8.5 ft. CLAYEY SILT, tan, moist, very stiff.				
10		R	60			@ 10.0 ft. light brown w/tan mottling.	13.3	120	92	
	70									
15		R	19				18.6	103	82	
	65									
20		R	24			@ 20.0 ft. brown w/orange mottling.	19.9	105	91	
	60									
25		S	6,8,10		CL	@ 25.0 ft. SILTY CLAY, brown, moist, stiff.				HY, AL
	55									
30		S	7,7,10							
	50									
35		S	9,15,14		ML	@ 35.0 ft. CLAYEY SILT, brown, w/orange mottling, moist, very stiff.				
	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	10,10,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, stiff, few clay.				
					SP	@ 41.5 ft. SAND, fine to medium grained, light brown, medium dense, few silt.				
	40									
45		S	19,31,25							
	35									
50		S	3,6,10		ML	@ 50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
0	83	B			CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist, concrete cobbles up to 1' in diameter				MAX, EI, HY, CHEM
5	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown, moist, stiff, trace gravel up to 1/4" in diameter.	16.1	114	95	
10	75	R	38		ML	@ 10.0 ft. CLAYEY SILT, light tan, moist, very stiff.	18.1	102	77	
15	70	R	31			@ 15.0 ft. brown, very stiff.	23.1	100	95	
20	65	R	26		CL	@ 20.0 ft. SILTY CLAY, brown w/orange mottling, moist, very stiff.	18.4	107	89	
25	60	S	3,7,9			@ 25.0 ft. stiff.				
30	55	S	4,6,9			@ 30.0 ft. trace gravel up to 1/4" in diameter.				
35	50	S	9,14,16		ML	@ 35.0 ft. CLAYEY SILT, brown, moist, very stiff.				
45	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	13,15,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, very stiff, fine grained sand.				
	40									
45		S	13,17,21			@ 45.0 ft. more sand.				
	35									
50		S	3,6,10		ML	@50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- [R] RING (DRIVE) SAMPLE
- [S] SPT (SPLIT SPOON) SAMPLE
- [B] BULK SAMPLE [T] TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter.				
	80					@0.5 ft. dark brown, moist.				
5		R	15		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): CLAYEY SILT, light tan, slightly moist, stiff.	11.6	105	53	
	75									
10		R	58			@ 10.0 ft. light brown.	18.7	106	88	
	70									
15		R	33			@ 15.0 ft. brown w/tan mottling, very stiff.	21.7	104	97	
	65									
20		R	33				19.7	105	90	
	60				ML	@ 21.0 ft. SILT, orange brown, moist, very stiff.				
25		S	5,6,9		ML	@ 25.0 ft. CLAYEY SILT, brown, moist, stiff.				
	55									
30		S	5,7,9			@ 30.0 ft. orange brown.				
	50									
35		S	7,11,14							
	45					Continued.				

SAMPLE TYPES:
R RING (DRIVE) SAMPLE
S SPT (SPLIT SPOON) SAMPLE
B BULK SAMPLE T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	4,6,14		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown w/orange mottling, moist, stiff, few clay.				
40										
45		S	6,8,12		CL	@ 45.0 ft. SILTY CLAY, brown, moist, stiff.				
35										
50		S	7,10,13		ML	@ 50.0 ft. CLAYEY SILT, brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	P-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80									
					CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 4.0 ft. brown.				
5						TOTAL DEPTH 5.0 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-6

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk sample was evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively "undisturbed" soil samples at their natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

compression to the original 1-inch height. The consolidation test results are shown on Plates C-1 and C-2.

Atterberg Limits

Atterberg limit testing of two samples was performed by Alta. The results of these tests are presented on Table C.

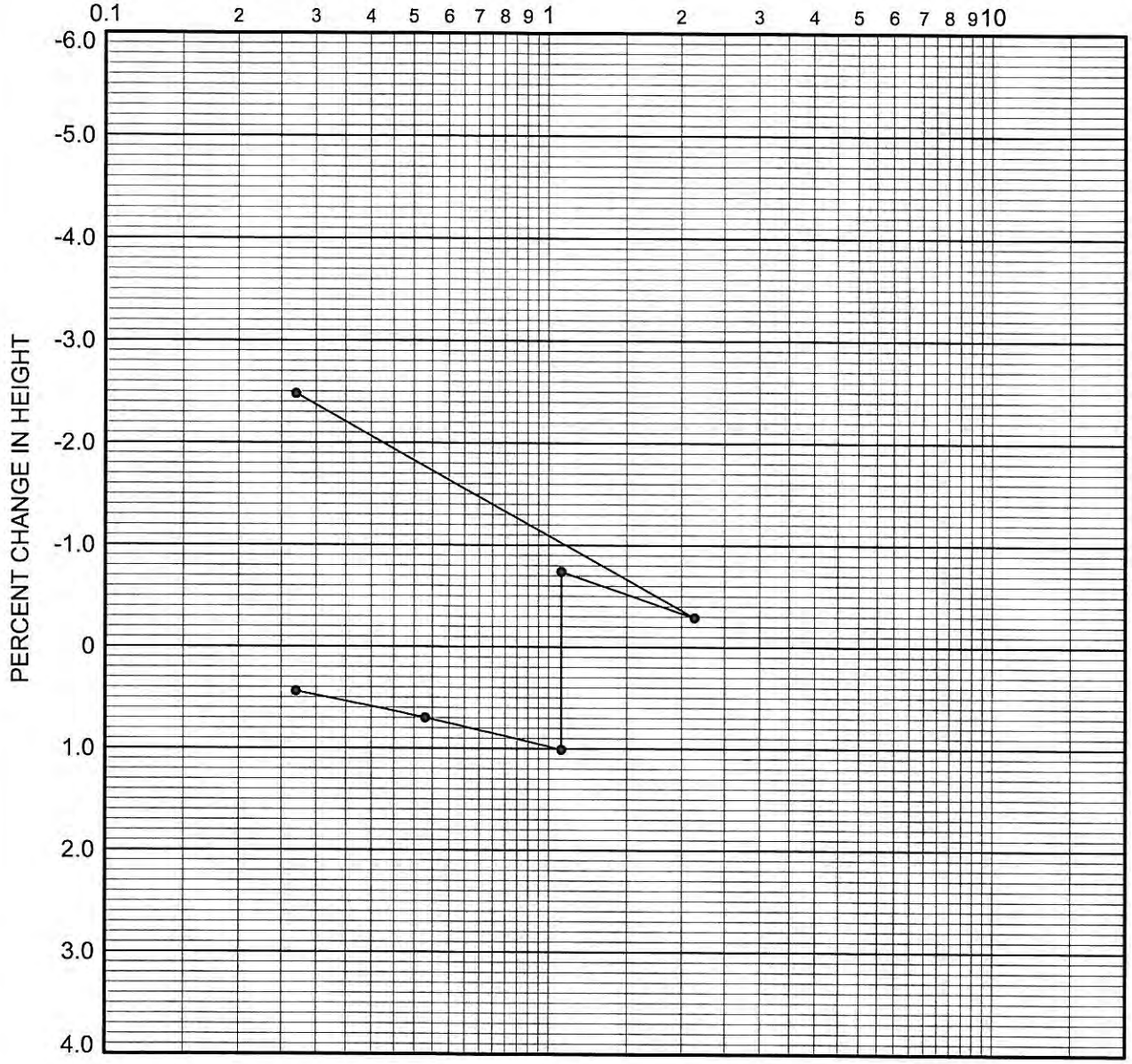
Chemical Analyses

Chemical testing of selected samples was performed by Alta. The results of these tests are presented in Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0286

Boring/Pit No.	Depth (Feet)	Soil Description	Group Symbol - Unified Soil Classification System	Maximum Dry Density		Direct Shear	Grain Size Analysis				Expansion Index	Sulfate Content (%)	Consolidation	Other Tests Remarks
				Maximum Density (pcf)	Optimum Moisture (%)		Gravel (% + No. 4 Screen)	% Sand	%Silt (0.074 to 0.005mm)	% Clay (-0.005 mm)				
B-2	10	Clayey Silt w/Sand (Qya)	ML				0	26	41	33				LL=31 PL=18 PI=13
B-3	5	Silty Clay w/Sand (Qya)	CL				0	32	28	40			See Plate C-1	
B-3	7.5	Silty Clay (Qya)	CL				1	17	40	42			See Plate C-2	
B-3	25	Silty Clay (Qya)	CL				0	4	43	53				LL=47 PL=26 PI=21
B-4	2-5	Silty Clay w/Sand (af)	CL	122.9	12.3		1	23	37	39	83	ND		Min. Resistivity - 950 OHM-CM Chloride - 10ppm PH - 7.4

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	5.0	112	17.6	98	68	CL	Silty Clay w/Sand (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

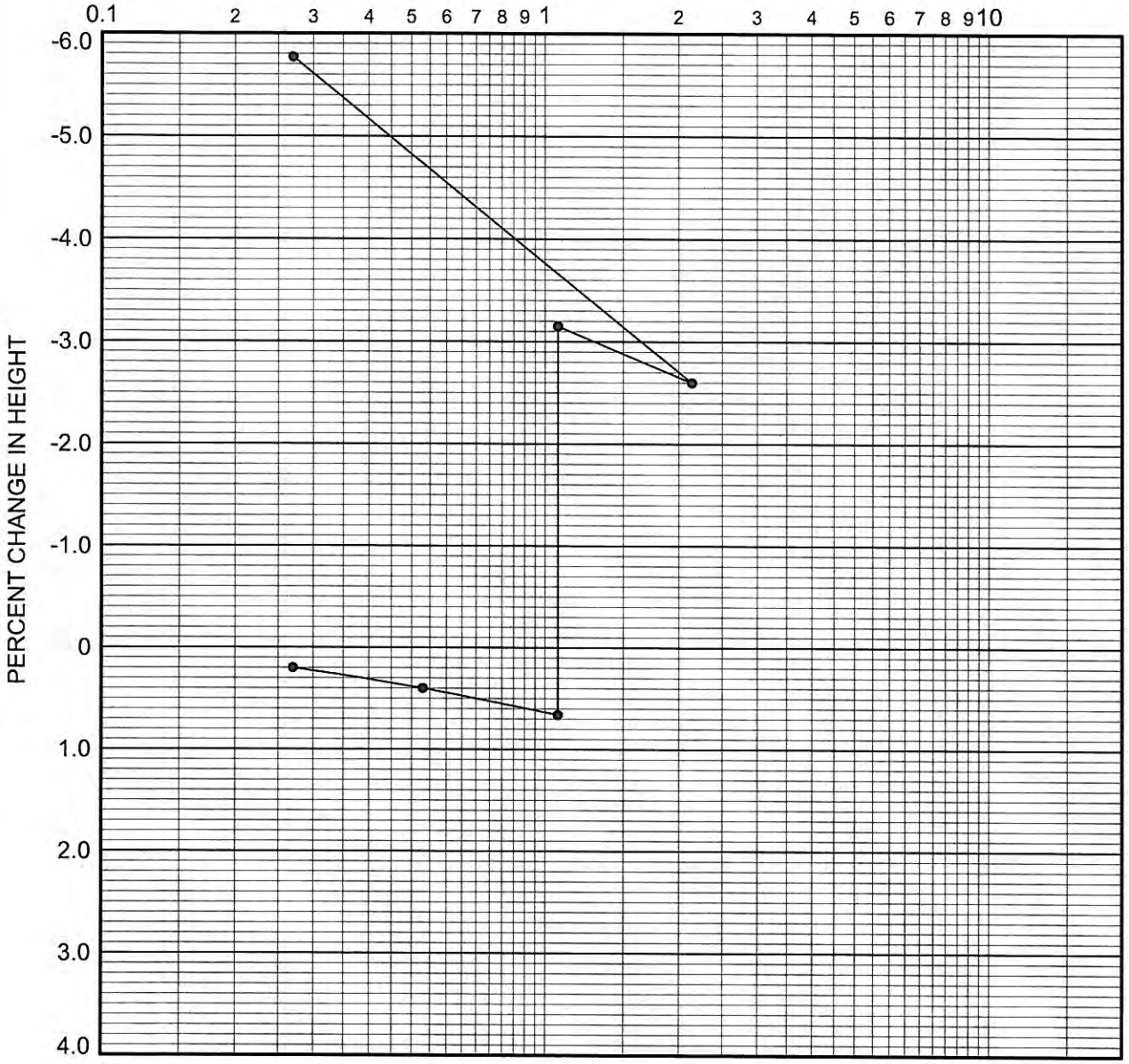
CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-1

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	7.5	112	15.3	84	82	CL	Silty Clay (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-2

Appendix D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

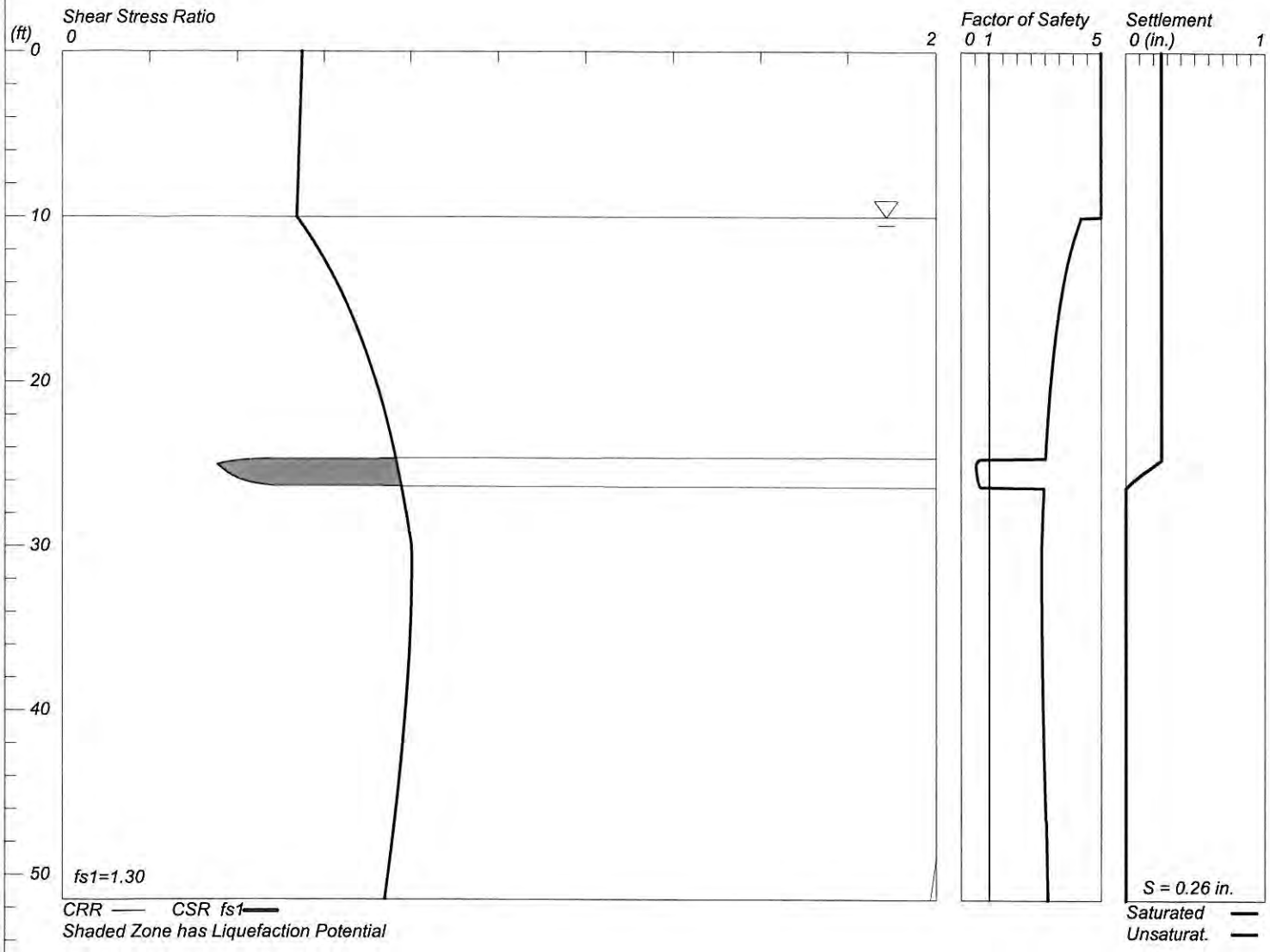
A liquefaction analysis was performed for the site based on SPT data gained from the hollow stem auger drilling. The Ishihara/Yoshimine method to analyze dynamic settlement for the SPT data. The calculations used the following constants: 0.65g for site acceleration, 7.1 for the magnitude of the earthquake, and a groundwater depth of 10 feet below existing grade. A factor of safety of 1.3 was utilized. The results are presented on Plate D-1 through D-5.

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-1 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



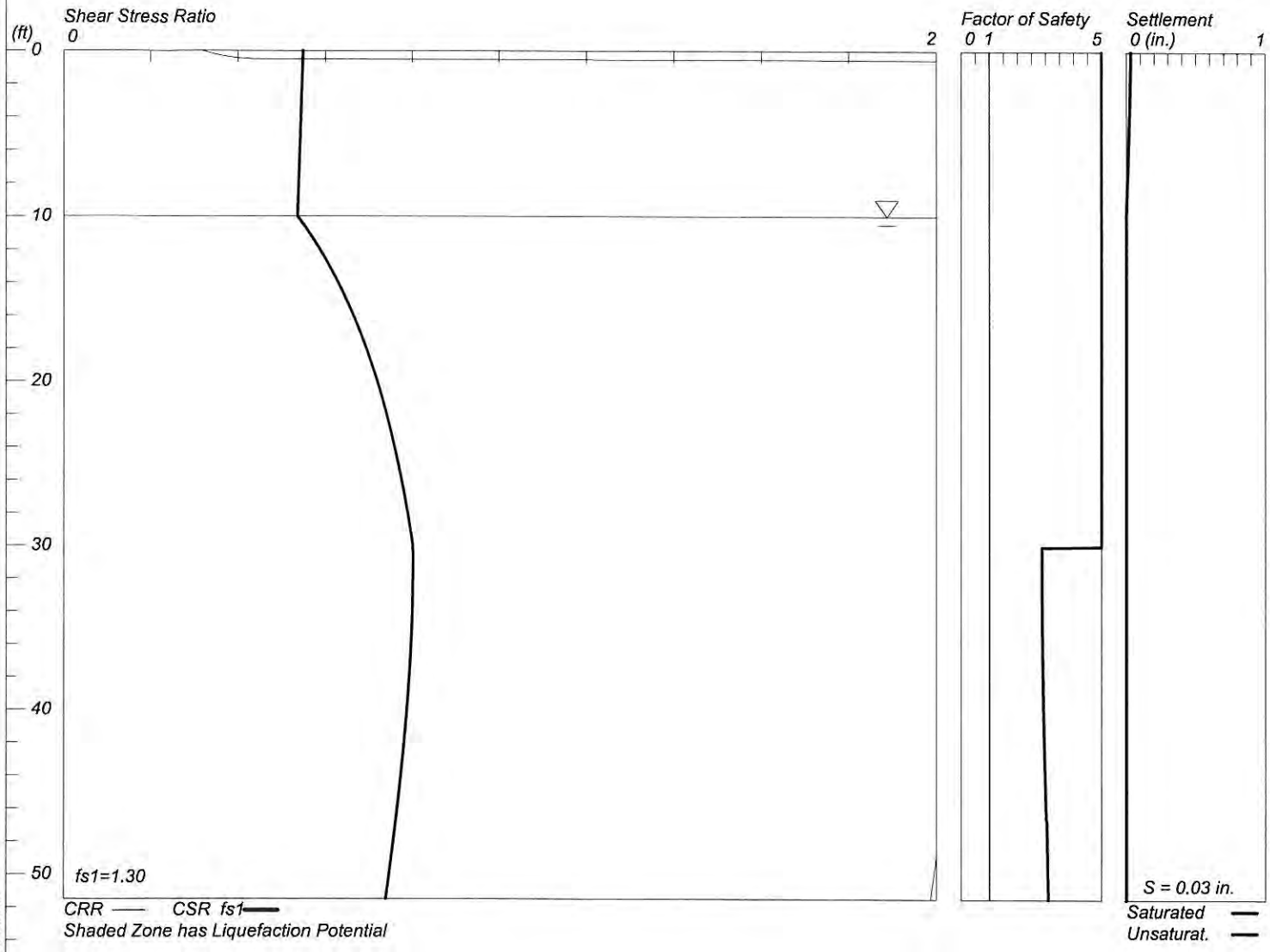
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-2 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



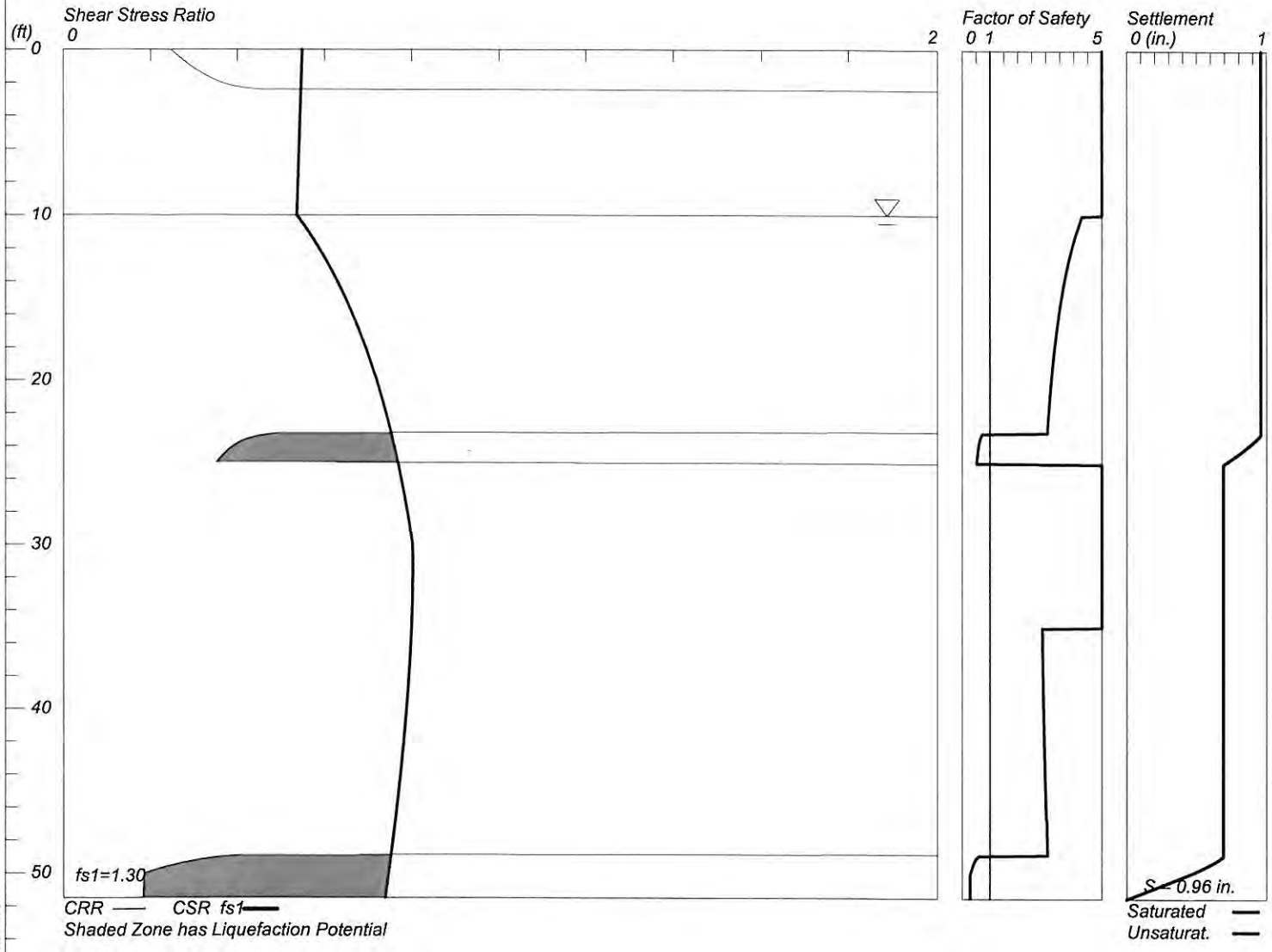
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-3 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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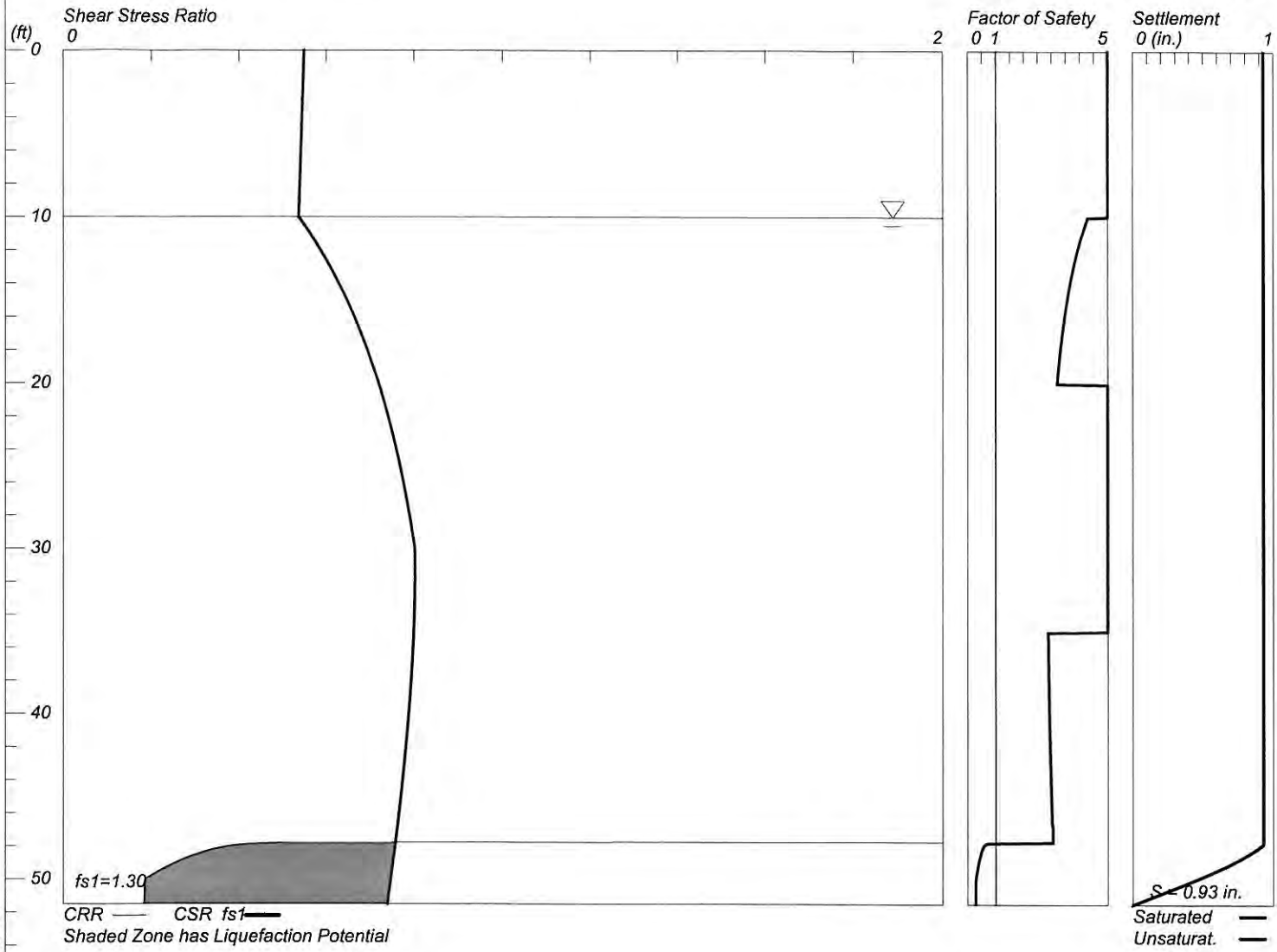
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-4 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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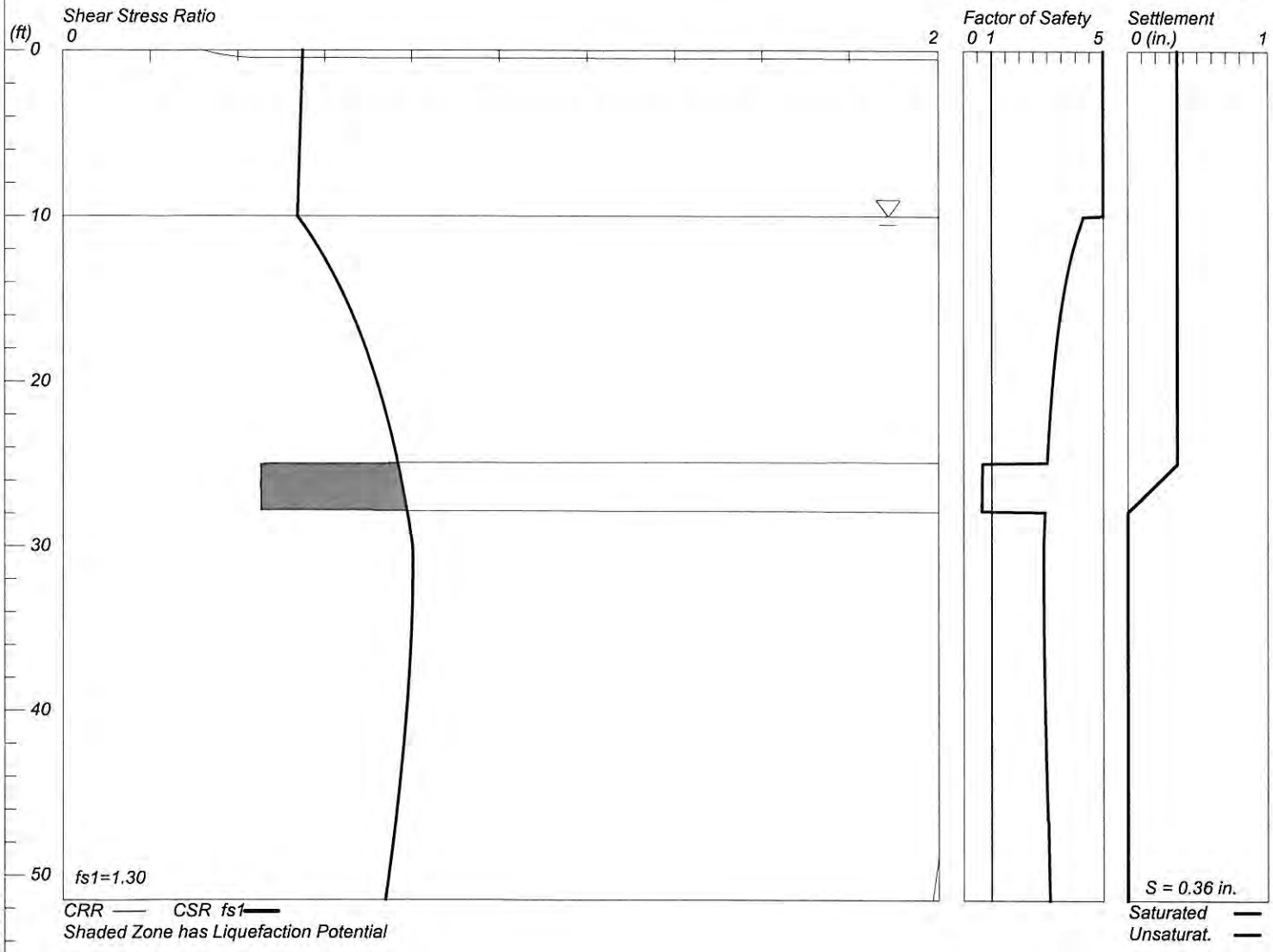
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-5 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



LiquefyPro CivilTech Software USA www.civiltech.com

APPENDIX E

Maintenance Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.
- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. **ENGINEERED FILLS**

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. **FINISHED SLOPES**

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

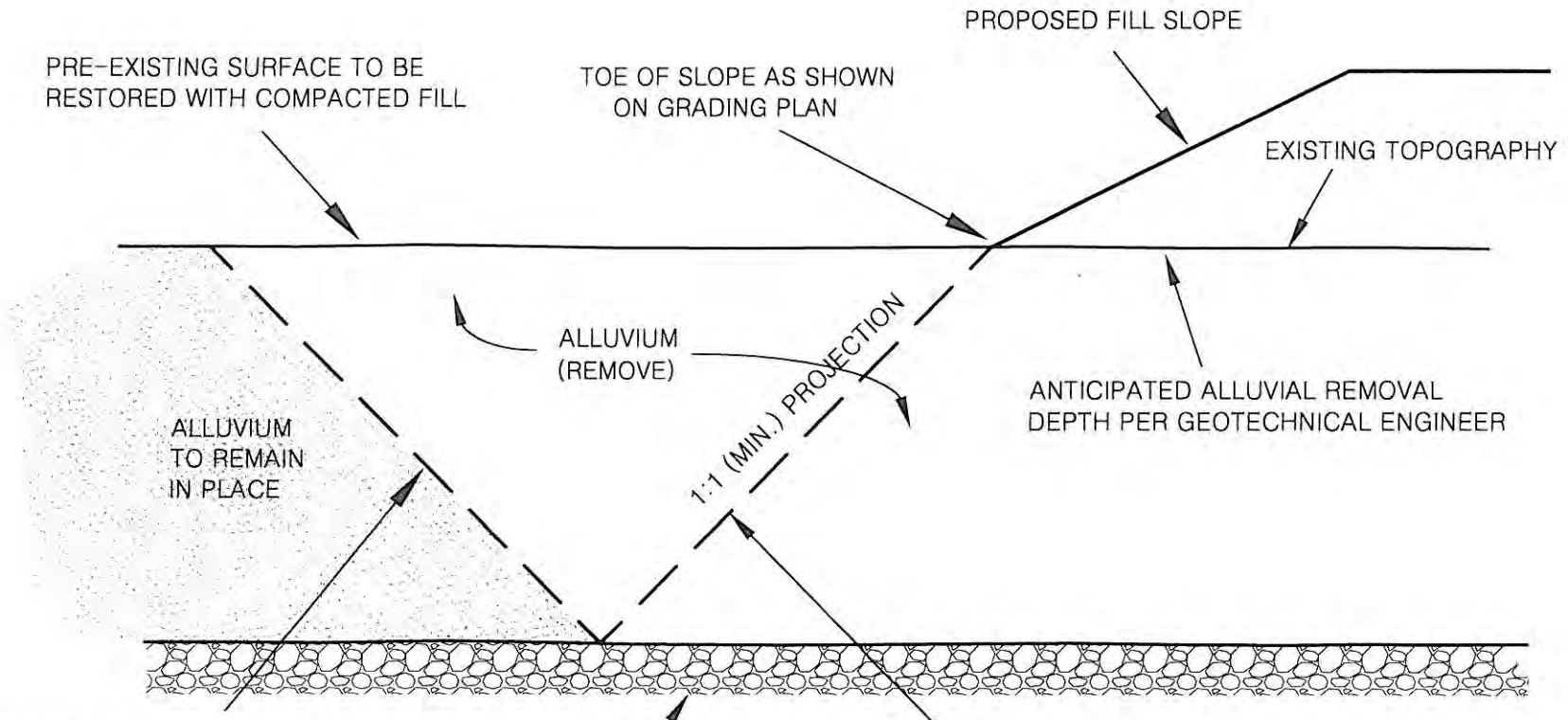


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PLATE G-1

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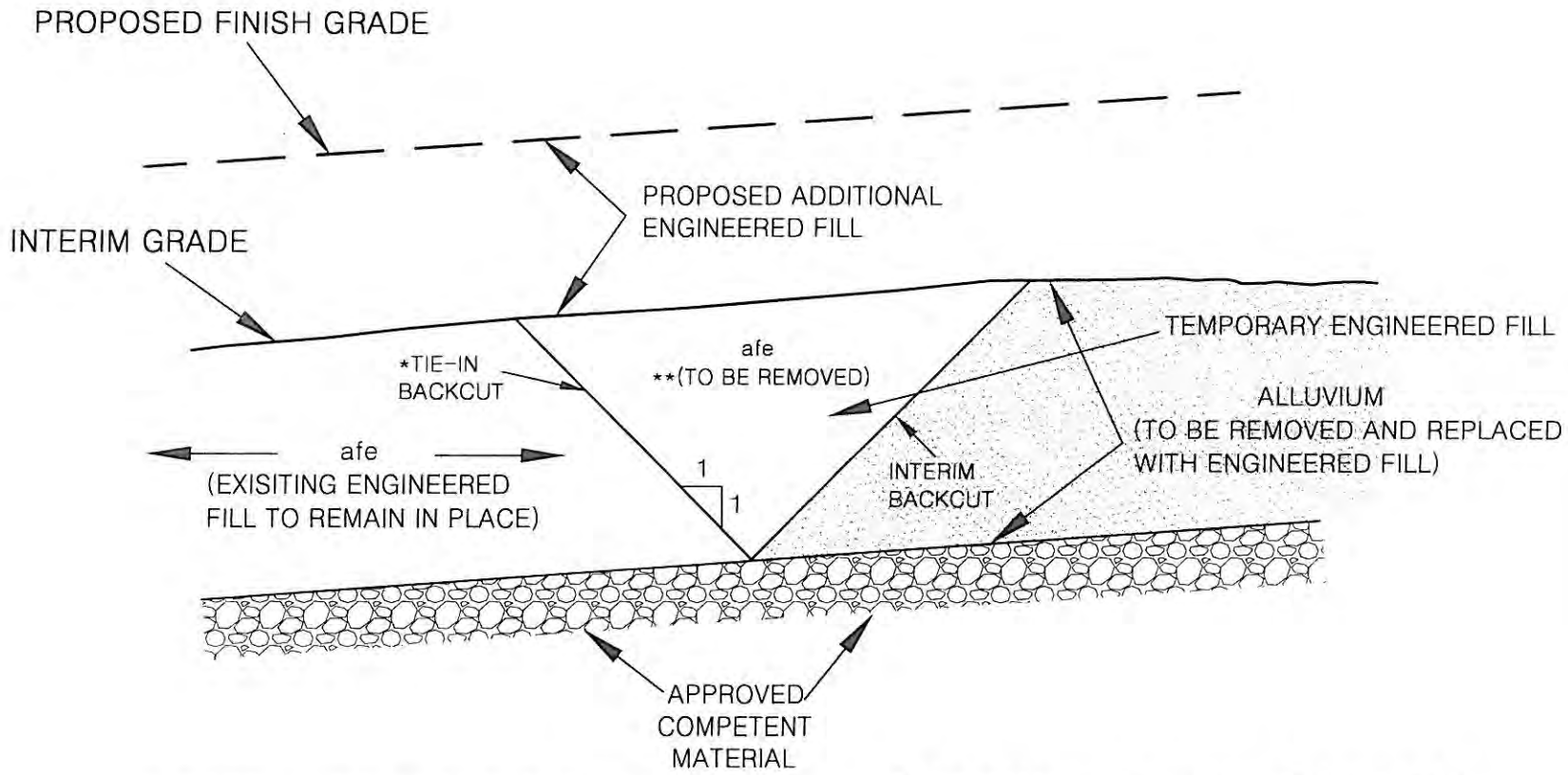
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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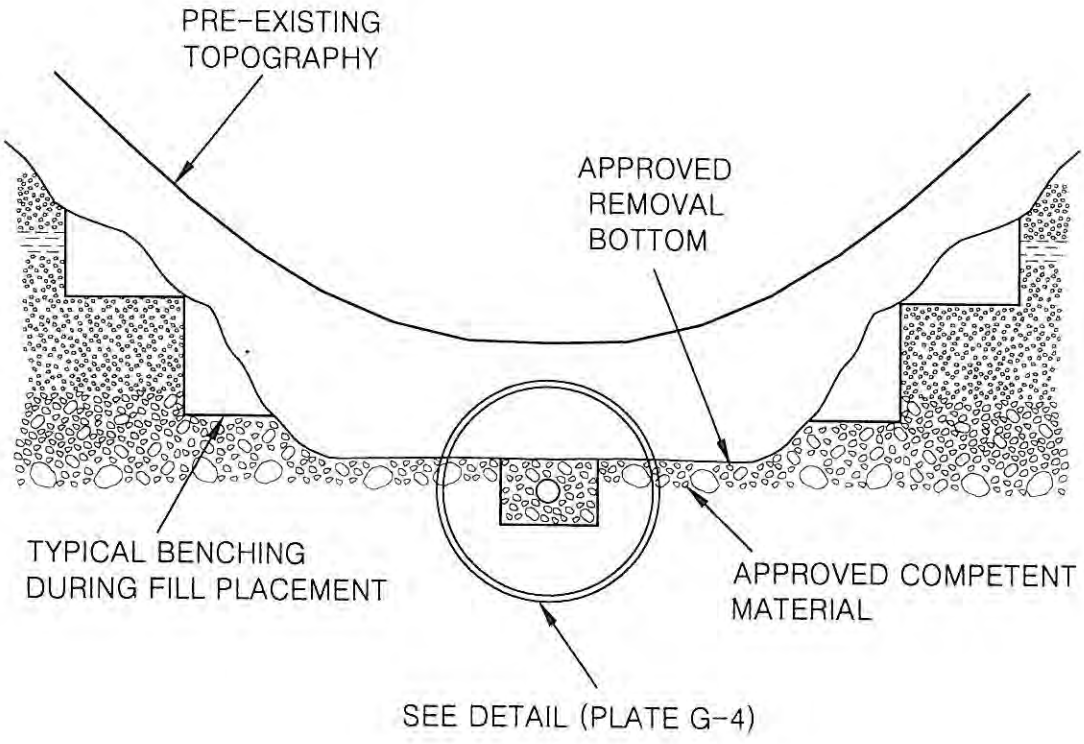
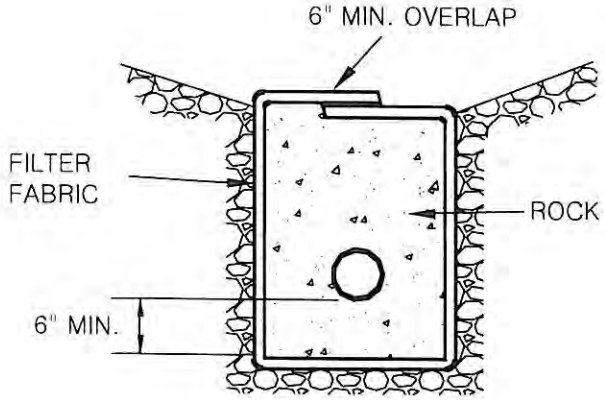
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL



PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK

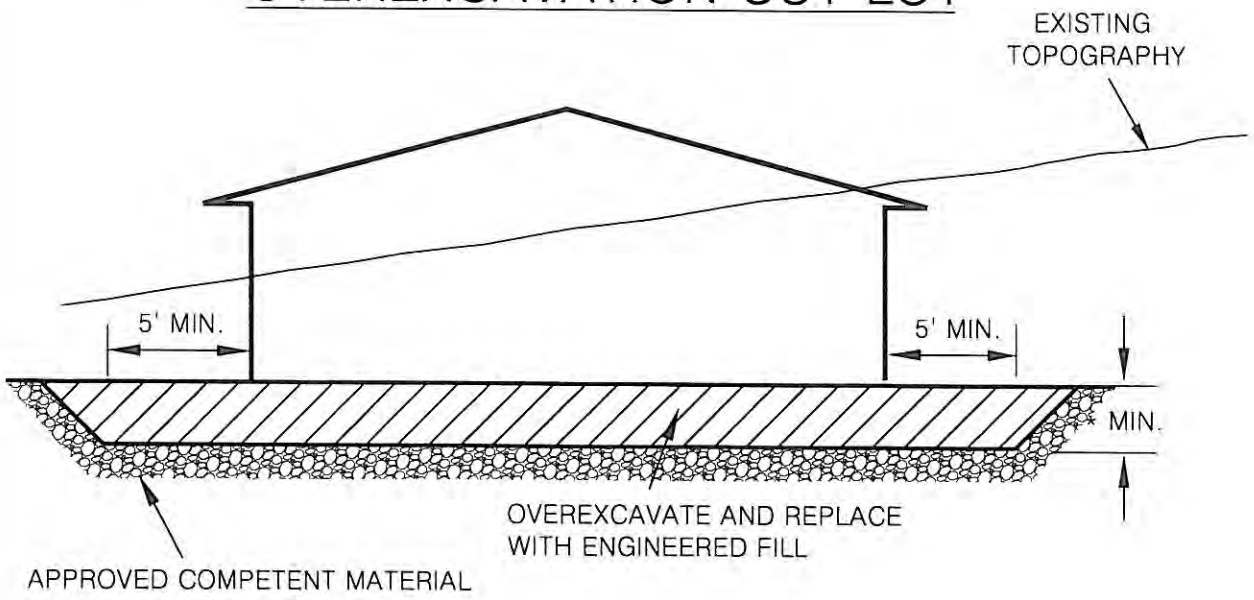
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

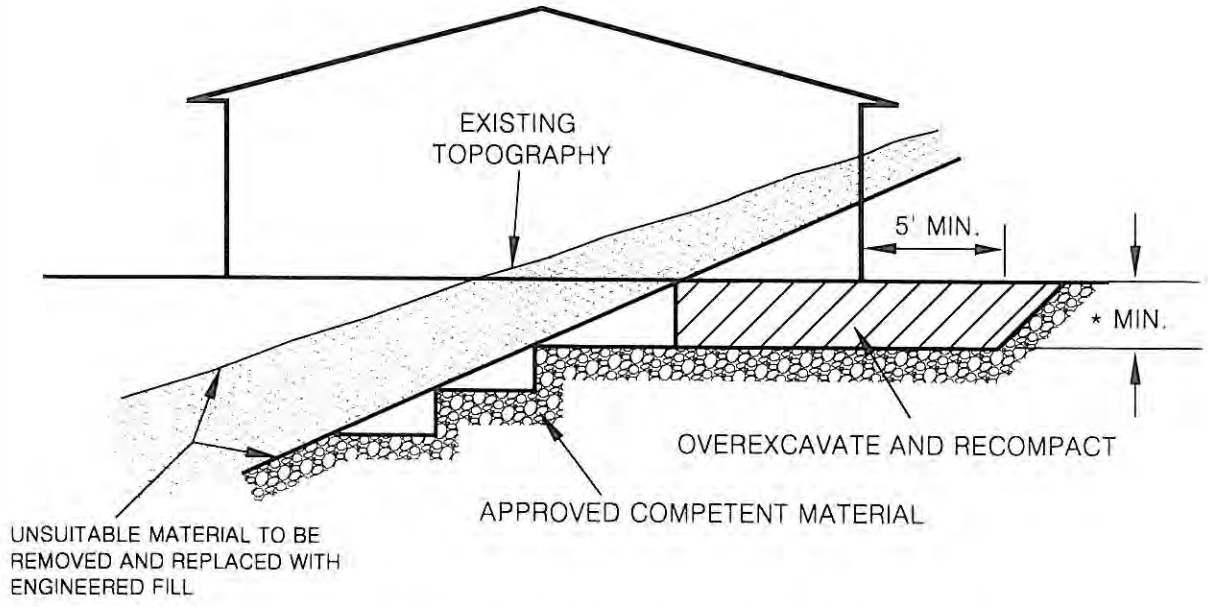
NOTES:

1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



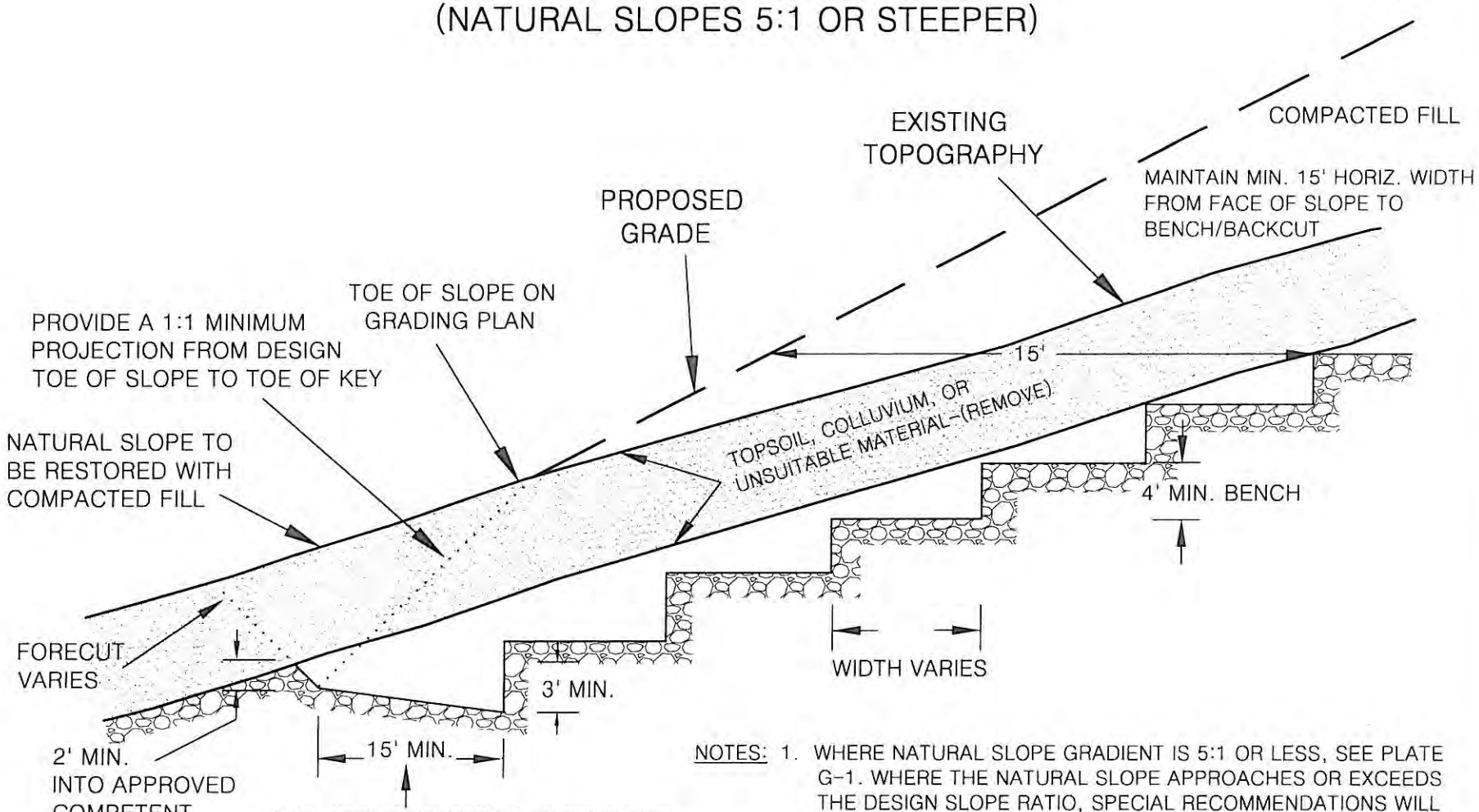
CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

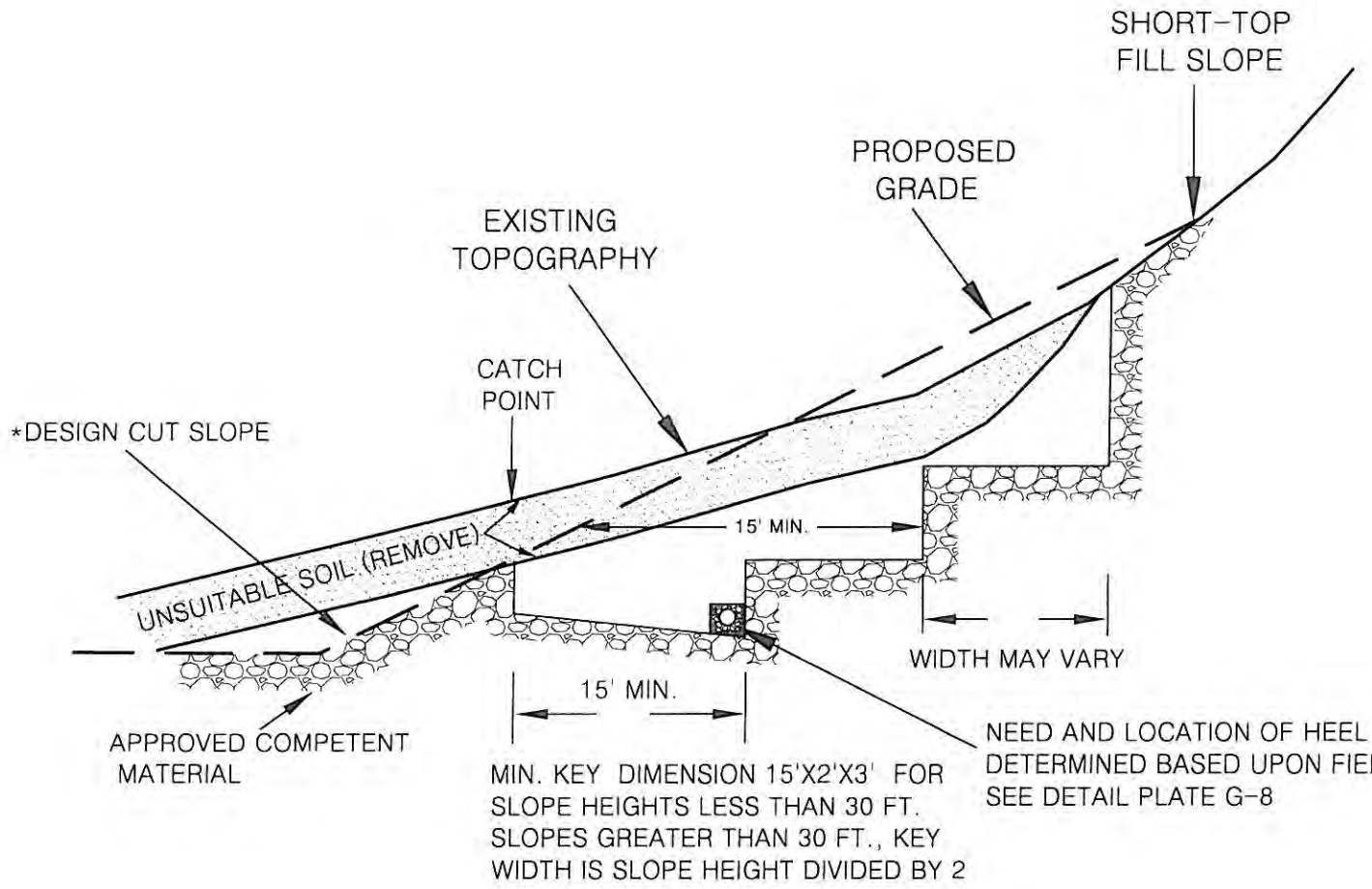
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:
1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

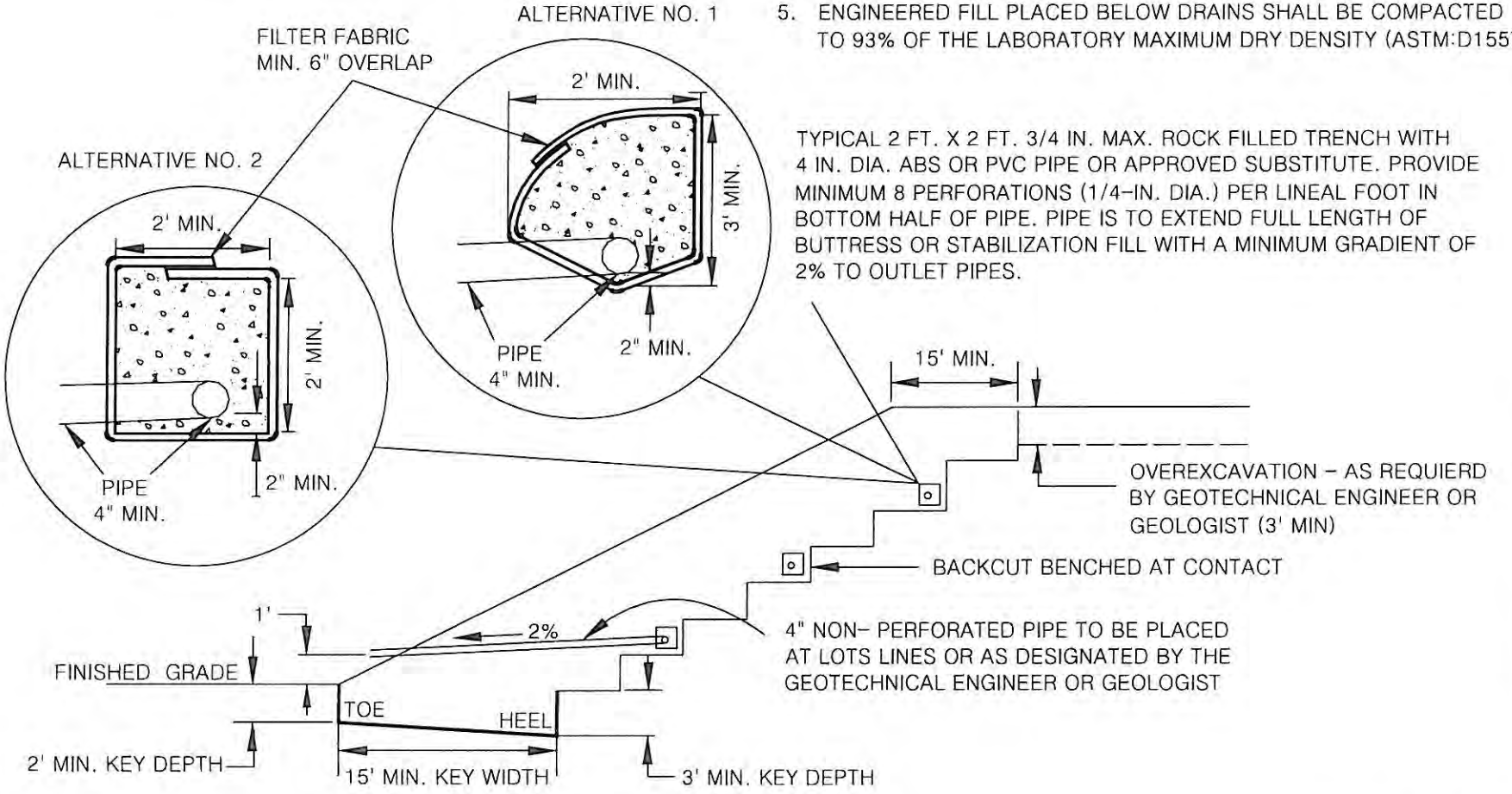

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PLATE G-8

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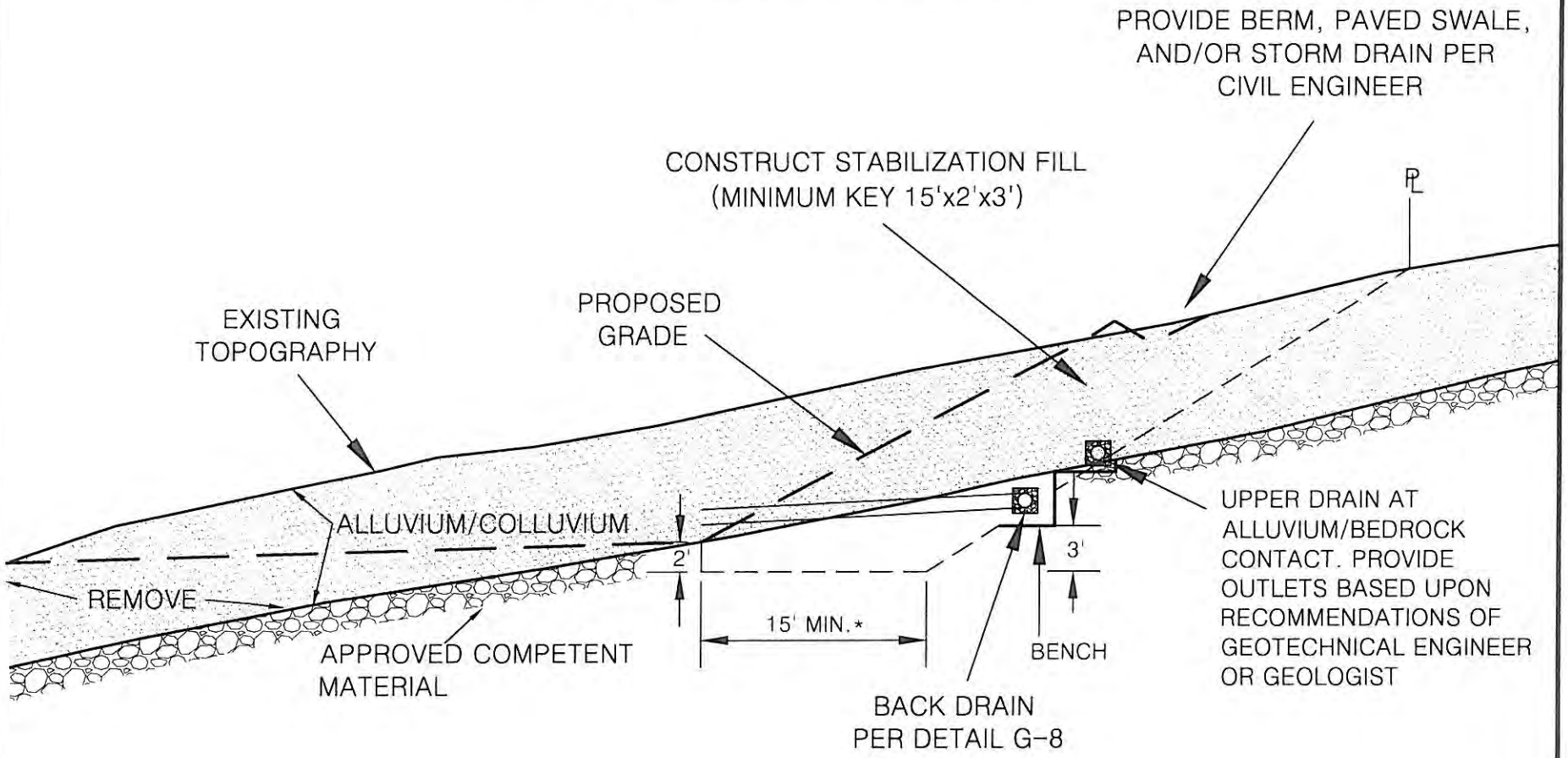
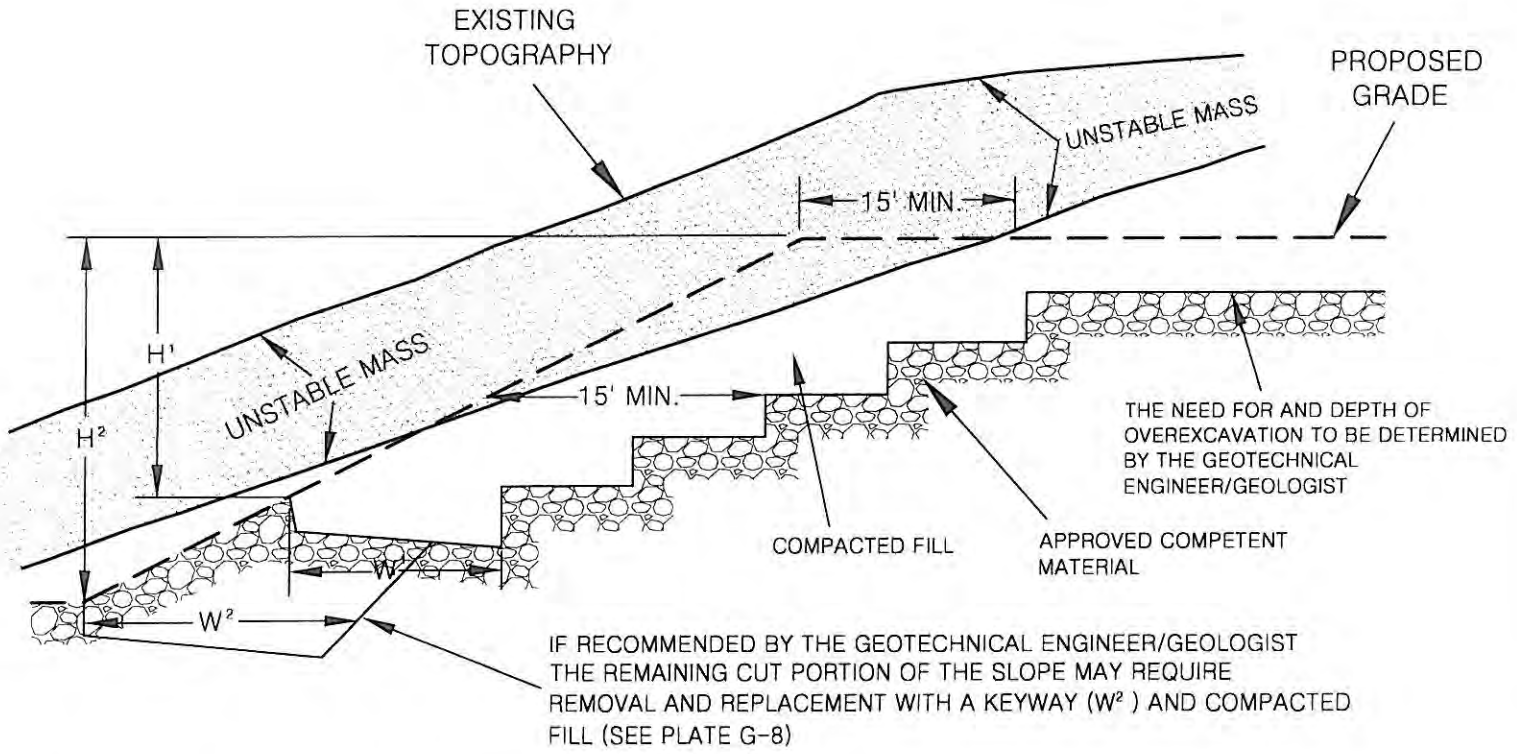
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

SKIN FILL SLOPE OVER NATURAL GROUND

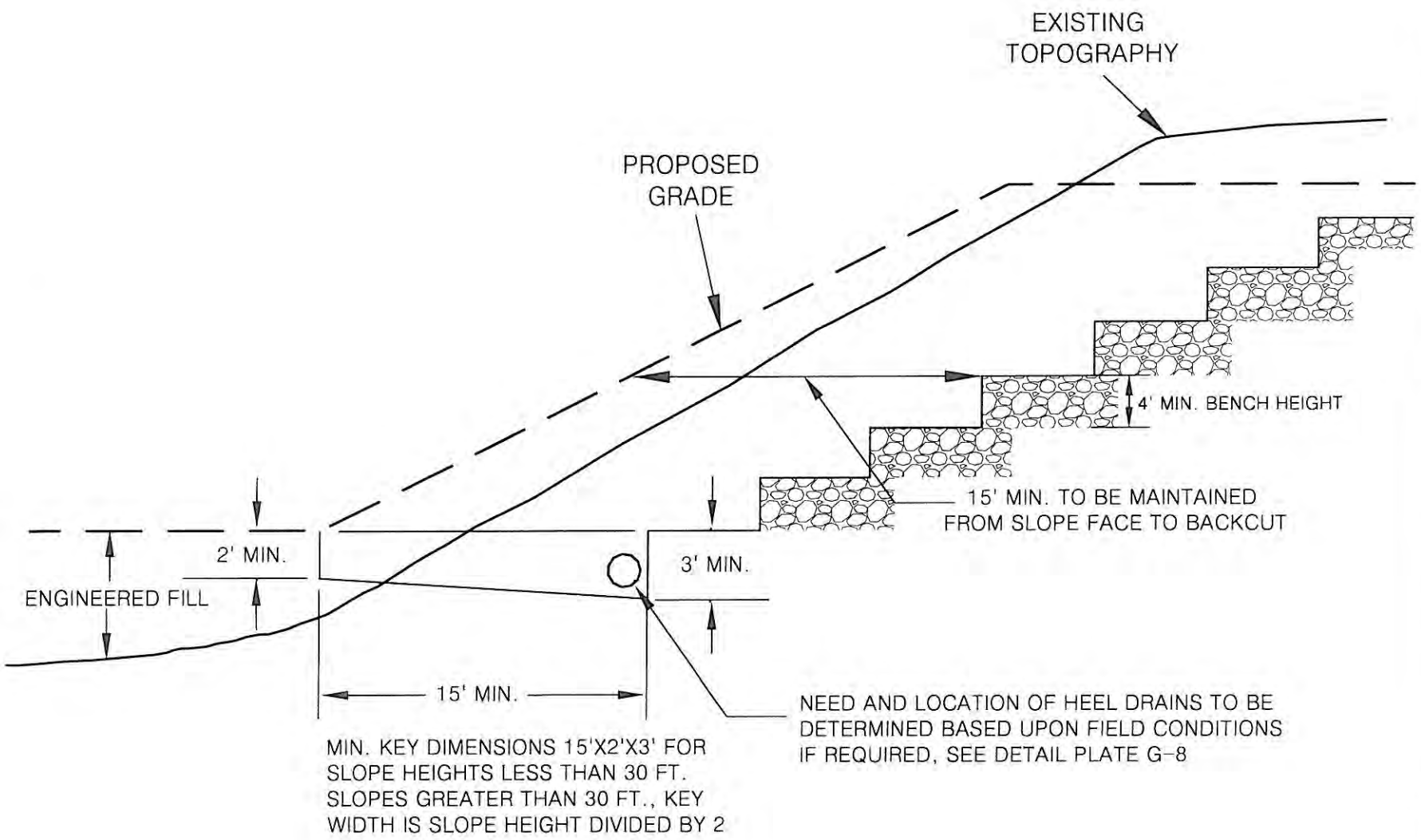


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PLATE G-11

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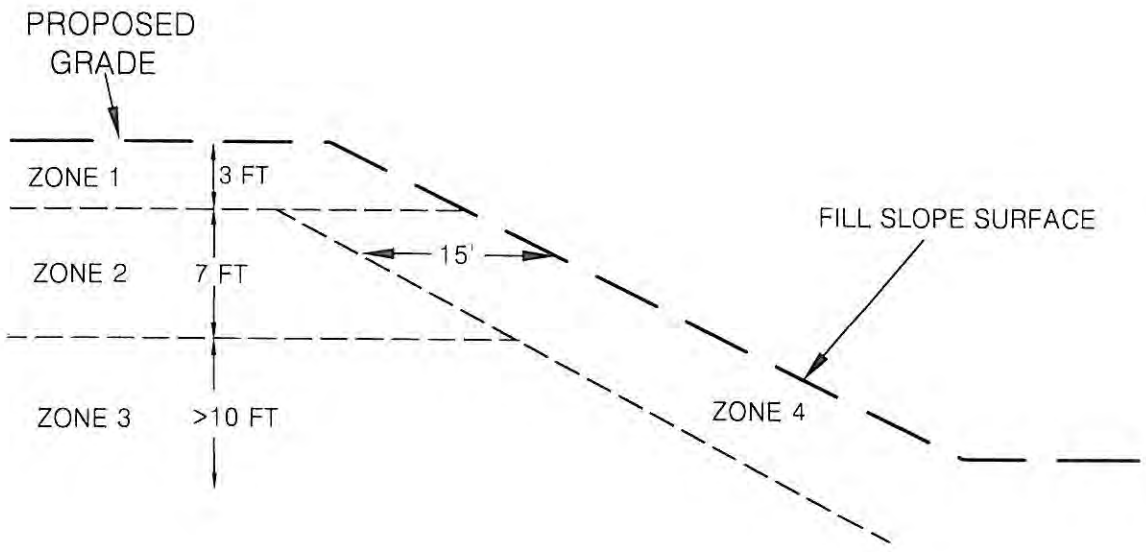
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤0.5 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

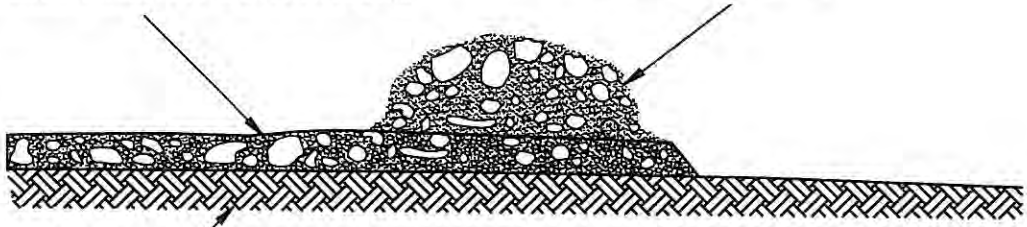
ROCK BLANKET DETAILS

LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)

APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER), HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

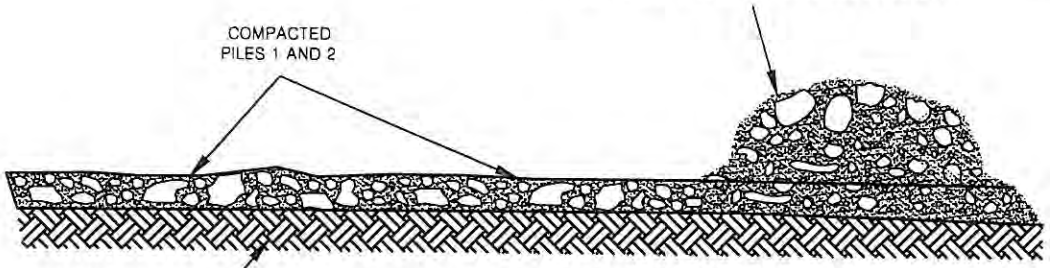
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

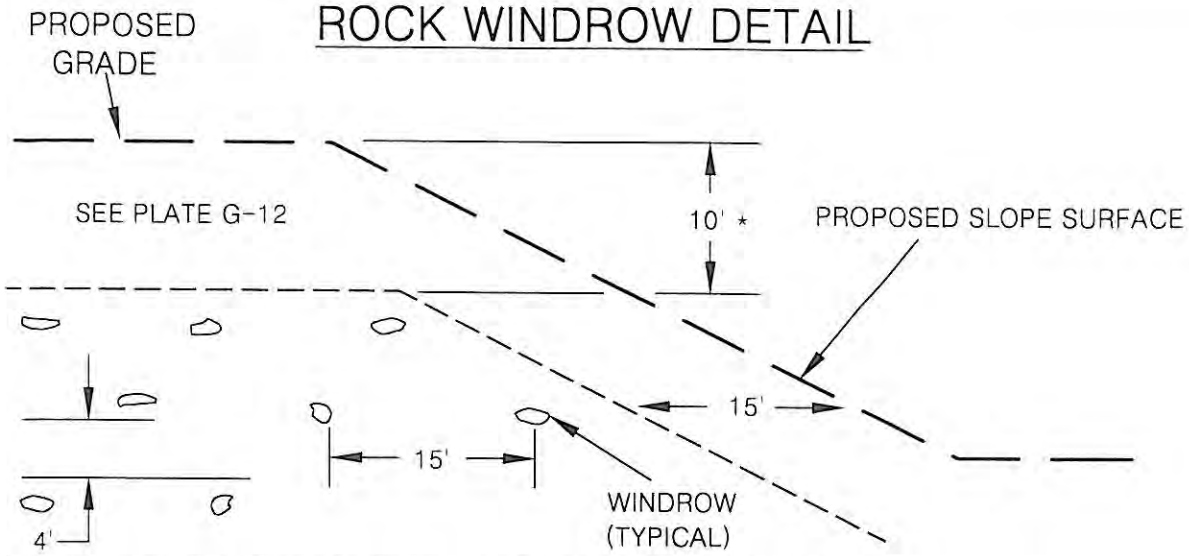


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

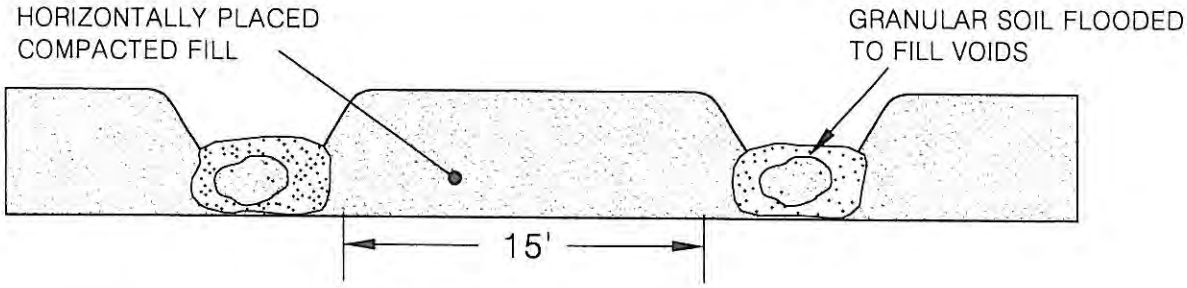
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



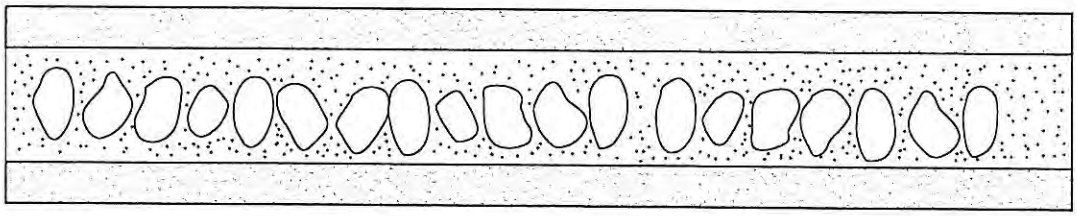
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

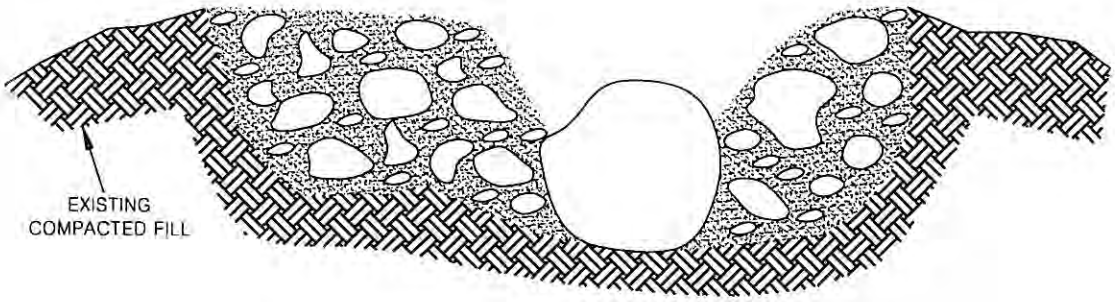


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

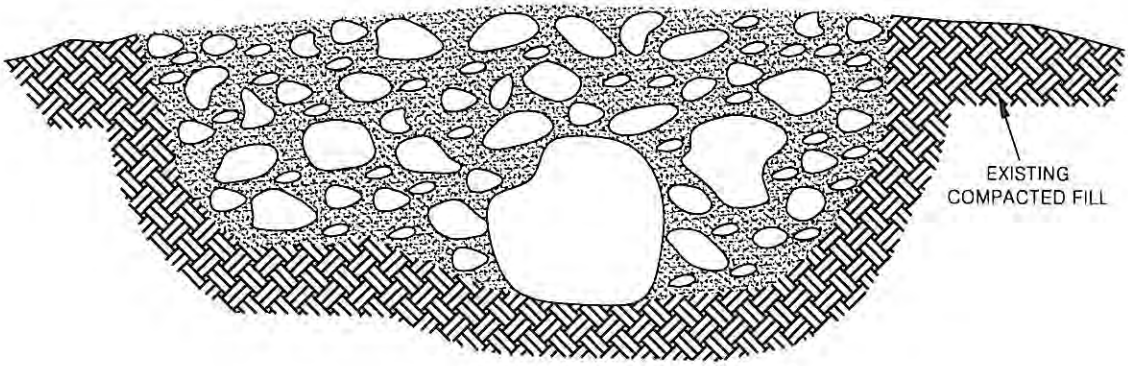
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

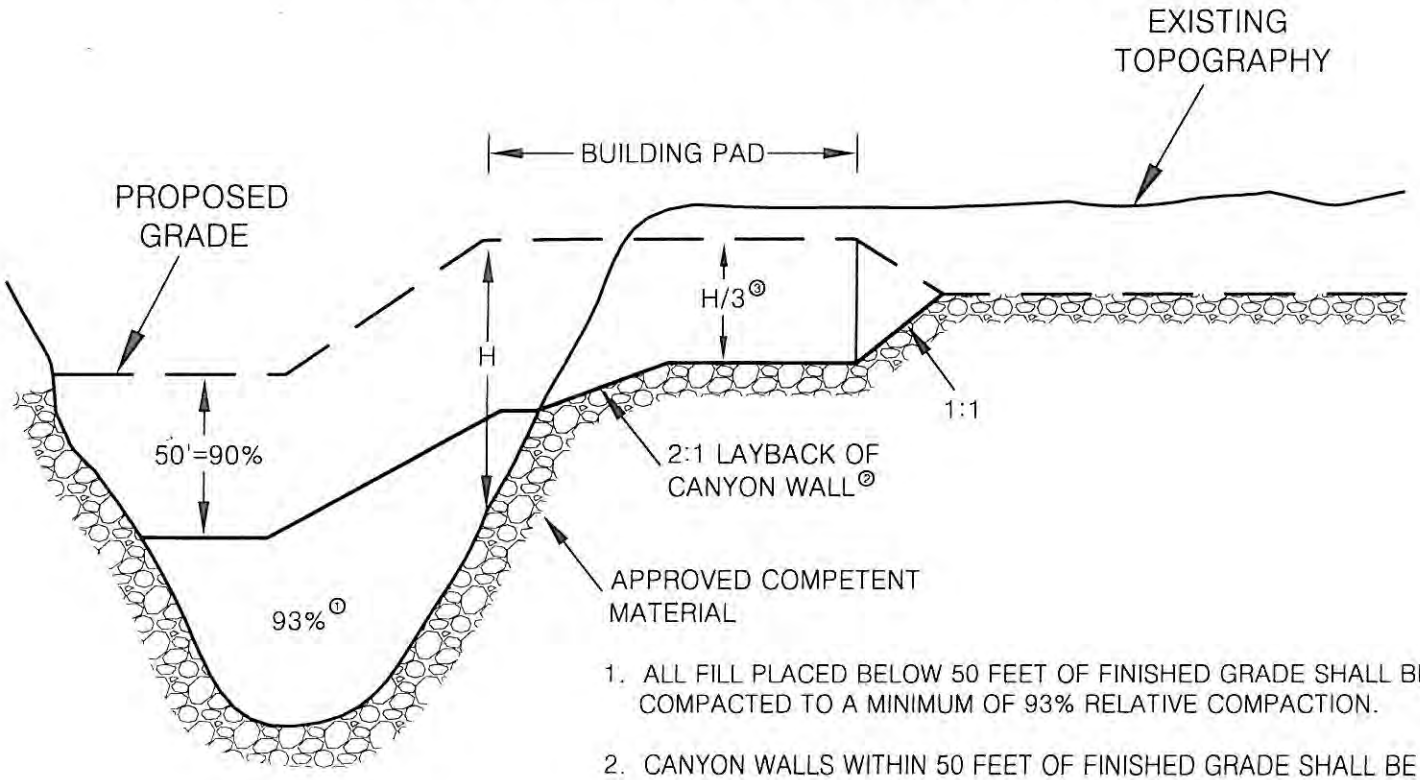


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

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VER. 3/12

PLATE G-16

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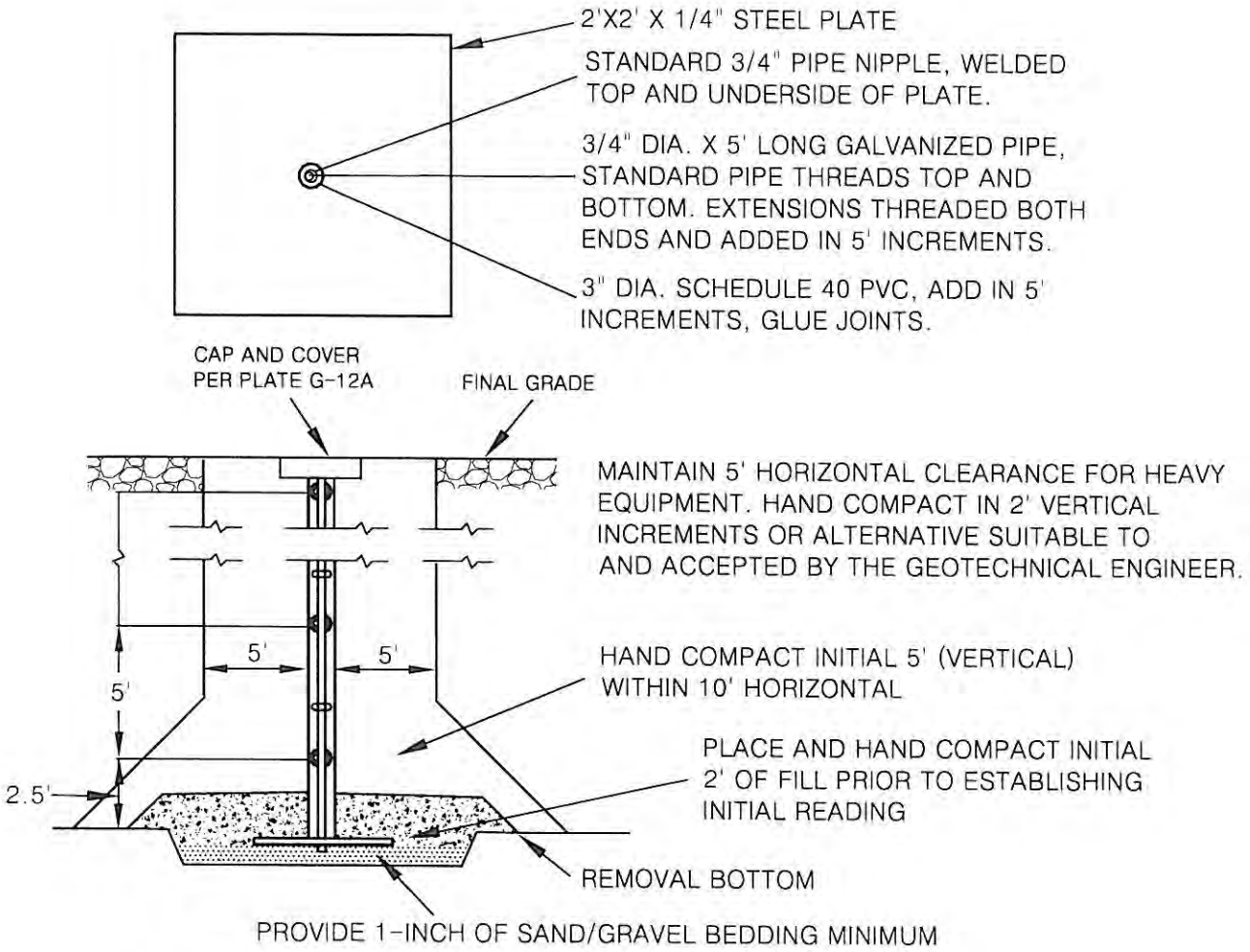
SETTLEMENT PLATE DETAIL



NOTES:

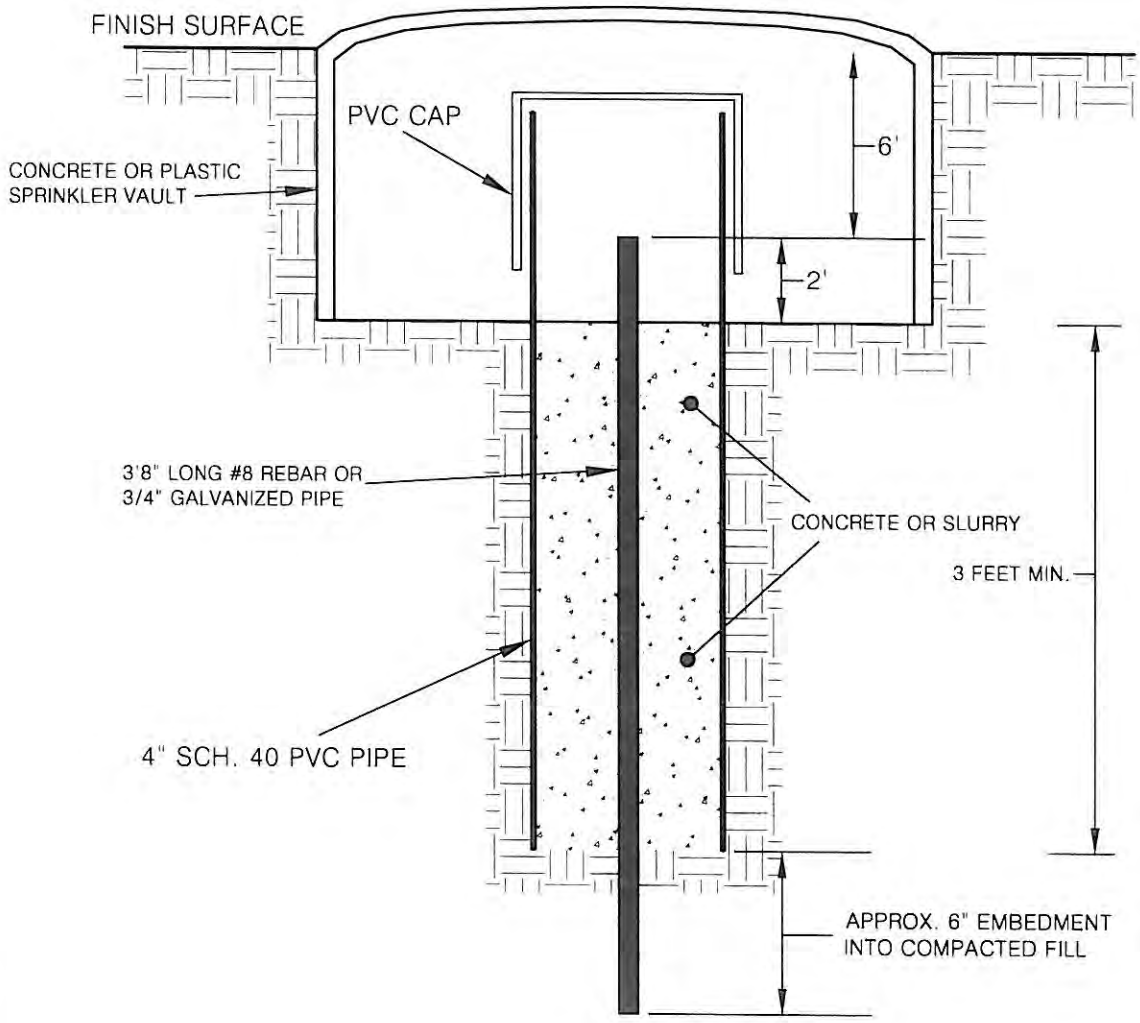
1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

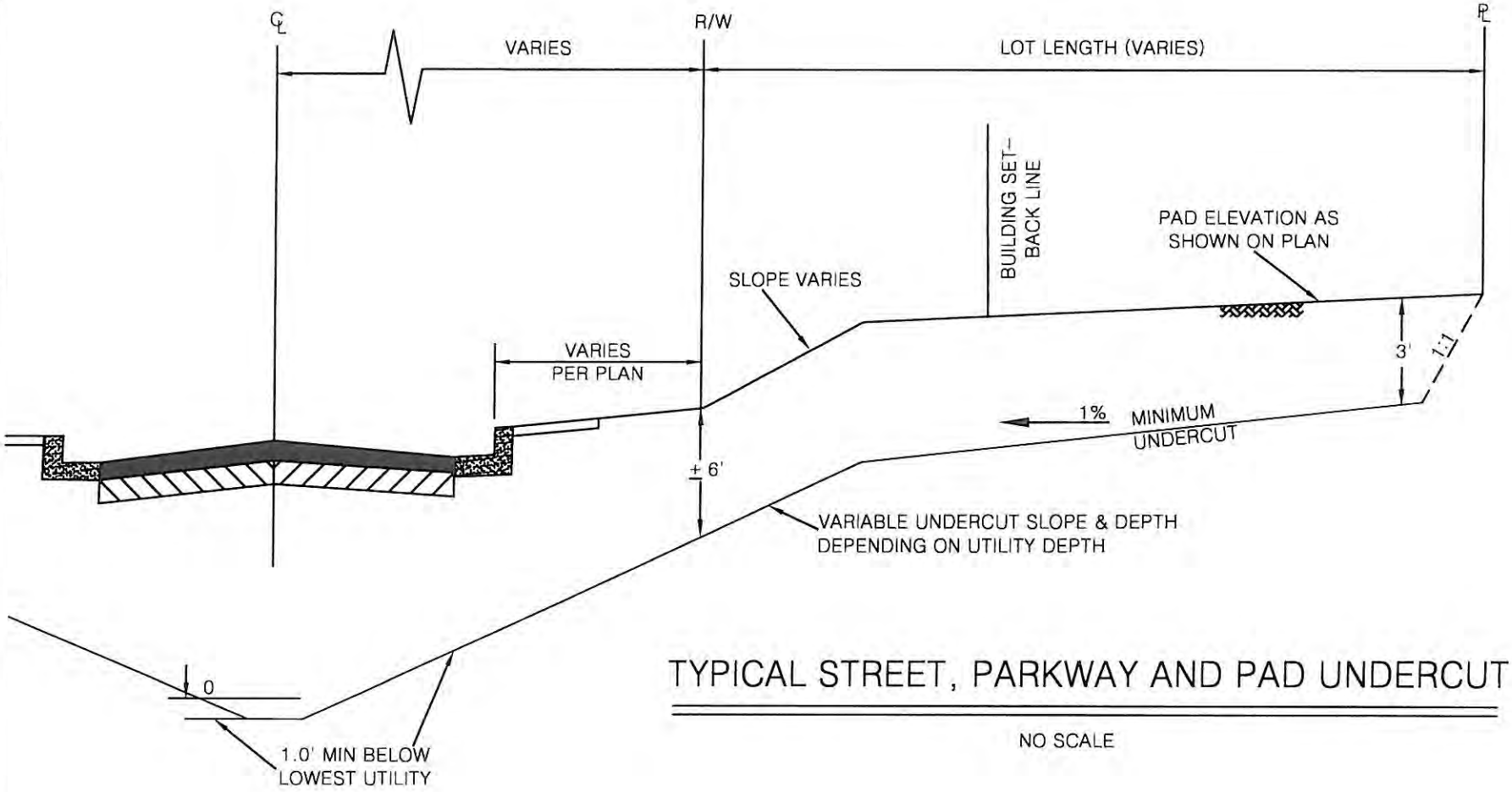
2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL





TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

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VER. 3/13

PLATE G-19

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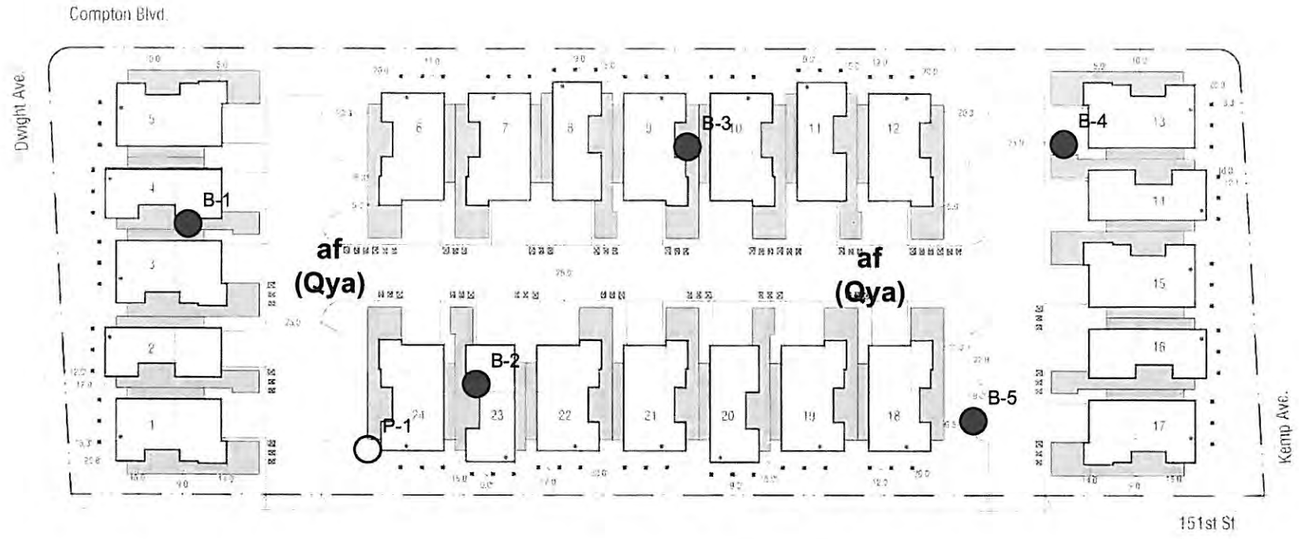

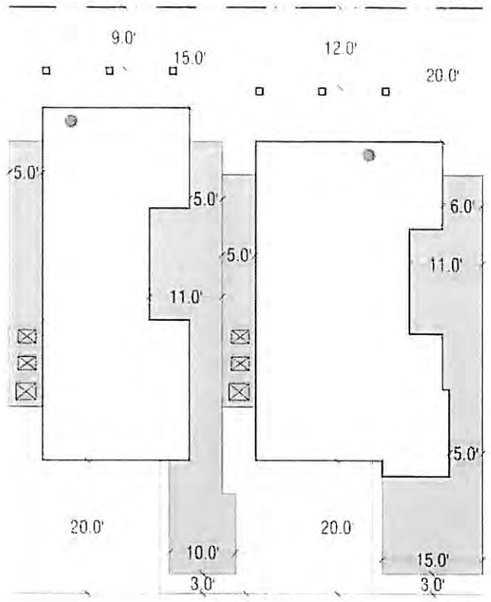

25.0'

Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan:	Medium Density Residential
Proposed General Plan:	Medium Density Residential
Existing Zoning:	CL - Limited Commercial & P - Parking
Proposed Zoning:	R-M-D - Medium Density Residential - Planned Development
Max. Density:	17.14 Homes per Acre (2,500 sf/home)
Proposed Setbacks:	Compton Blvd: 15' to building 9' to covered porch
	Dwight Ave: 15' to building 12' to covered porch
	Kemp Ave: 15' to building 12' to covered porch
	151st St: 14' to single story element (building 1 & 17) 15' to front of building 9' to covered porch
Building Separation:	10'
Max. Building Height:	35'

LEGEND

af	ARTIFICIAL FILL
Qya	YOUNG QUATERNARY ALLUVIUM (BRACKETED WHERE BURIED)
B-3	APPROXIMATE LOCATION OF HOLLOW STEM AUGER BORING
P-1	APPROXIMATE LOCATION OF INFILTRATION TEST

Notes:

PLATE 1

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0285 DATE: May 6, 2019

CONCEPTUAL SITE PLAN

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

0 15 30 60

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Preliminary Low Impact Development (LID) Plan

Prepared for:
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Kim Prijatel
(949) 258-7555

Property:
TTM 82807
APN 6161-001-902
930 W. Compton Boulevard
Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Philip Malcomson, P.E.

Preparation Date: August 2019
Revised: March 2021

Receipt of WDID

REPLACE THIS SHEET

To be provided prior to final approval

Notice of Intent

REPLACE THIS SHEET

To be provided prior to final approval

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Project Owner's Certification of the Preliminary Low Impact Development (LID) Plan

Project Name: ***Concord***

Project Number: **Tentative Tract Map No. 82807**
APN 6161-001-902

Project Address: **930 W. Compton Boulevard**
Compton, CA 90220

This Preliminary Low Impact Development (LID) Plan for the ***Concord*** (***TM 82807)*** project has been prepared for City Ventures by C&V Consulting, Inc. It is intended to comply with the requirements of the City of Compton's Conditions of Approval.

The undersigned is authorized to approve implementation of provisions of this plan as appropriate, and will strive to have the plan carried out by successors consistent with the County of Los Angeles LID Manual and the intent of the NPDES storm water requirements.

"I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner's Name:	Kim Prijatel		
Owner's Title:	Vice President of Development		
Company:	City Ventures		
Address:	3121 Michelson Drive, Suite 150, Irvine, CA 92612		
Email:	kprijatel@cityventures.com		
Telephone No.:	(949) 258-7555		
Signature:		Date:	

Engineer Certification

Engineer's Name:	Philip Malcomson		
Engineer's Title:	President		
Company:	C&V Consulting, Inc.		
Address:	9830 Irvine Center Drive, Irvine, CA 92618		
Email:	pmalcomson@cvc-inc.net		
Telephone No.	(949) 916-3800		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2012-0175, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature		Date	
Place Stamp Here			

Section 200

A. Contact Information/List of Responsible Parties

The property contact information is:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

The property owner shall have primary responsibility and significant authority for the implementation, maintenance, and inspection of the property BMPs. Duties of the Owner include but are not limited to:

- Implementing all elements of the LID, including but not limited to:
  - Implementation of prompt and effective erosion and sediment control measures
  - Implementing all non-storm water management, and materials and waste management activities, such as: monitoring, discharges, general site clean-up; vehicle and equipment cleaning, spill control; good construction housekeeping to ensure that no materials other than storm water are discharged which may have an adverse effect on receiving waters or storm drain systems, etc.
- Pre-storm inspections
- Storm event inspections
- Post-storm inspections
- Routine inspections as described in the LID
- Ensuring elimination of all unauthorized discharges
- The Owner shall be assigned authority to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate all of the necessary corrections/repairs are made immediately, and that the project complies with the LID at all times.
- Managing and report any Illicit Connections or Illegal Discharges.

Section 300

A. References

The following documents are made a part of this LID by reference:

- Project plans and specifications for the City of Compton to support the ***Concord (TM 82807)*** project, prepared by C&V Consulting, Inc., 9830 Irvine Center Drive, Irvine, CA 92618.

- County of Los Angeles Department of Public Works, Low Impact Development Standards Manual dated February 2014

- State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

- California Stormwater BMP Handbook – Construction, January 2009.

- California Stormwater BMP Handbook – New Development and Redevelopment, January 2003.

- Los Angeles County Municipal Stormwater/ NPDES Permit Order R4-2012-0175

Section 400 – Body of LID

A. Objectives

This Low Impact Development (LID) Plan has four main objectives:

1) Identify all pollutant sources, including sources of sediment that may affect the quality of storm water discharges associated with daily use / activity (storm water discharges) from the property site.
2) Identify non-storm water discharges.
3) Identify, construct, implement and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the property site.
4) Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants.

B. Project Background and Description

The proposed project is located at 930 W. Compton Boulevard in the City of Compton, California and consists of approximately 2.45 acres. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west. The project proposes to construct eight buildings of 60 residential units with private garages, private drive aisles, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along W. 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open-space areas.

The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 99% for the existing condition of the site per LACPW Hydrology Manual. Proposed condition coverage is assumed to be 86% impervious based on land use per Hydrology Manual.

C. Vicinity Map

The site is located at 930 W. Compton Avenue off of the I-110 freeway in the City of Compton, County of Los Angeles. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west.

Refer to Figure 1 for the Vicinity Map.

D. Existing Site Drainage Condition

The existing site is relatively flat with elevations ranging between approximately 81 feet and 85 feet above mean sea level. Generally, the existing site drainage surface flows overland in the northeasterly direction and overflows into the rights-of-way of W. Compton Boulevard and S. Kemp Avenue. Within the public rights-of-way, drainage is captured by existing catch basins within W. Compton Boulevard and S. Kemp Avenue and conveyed to an existing Los Angeles County Flood Control District (LACFCD) 66" Reinforced Concrete storm drain facility within W. Compton Boulevard which outlets to the existing Compton Creek. Compton Creek flows in the southeasterly direction and outlets to the existing Los Angeles River which ultimately drains to the Pacific Ocean at San Pedro Bay. Water bodies downstream of the project site are listed on the most current 303 (d) List as follows:

- Compton Creek
    - Benthic-Macroinvertebrate Bioassessments
    - Coliform Bacteria
    - Copper
    - Lead
    - pH
    - Trash
- Los Angeles River
    - Ammonia
    - Cadmium
    - Coliform Bacteria
    - Dissolved Copper
    - Cyanide
    - Diazinon
    - Lead
    - Nutrients (Algae)
    - pH
    - Trash
    - Dissolved Zinc
- San Pedro Bay
    - Chlordane

All facilities downstream of the project site are engineered, therefore the project is exempt from Hydromodification Control requirements.

E. Proposed Site Drainage Conditions

The proposed development site comprises a total of 2.45 acres. The proposed site consists of 60 residential units with private garages, a private drive aisle, sidewalks, guest parking areas, and associated landscaping.

Proposed drainage will be directed as sheet flow overland and through a series of area drains towards proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to discharging to the existing LACFCD 66" storm drain within W. Compton Boulevard. The proposed area drain system will collect surface runoff within landscaped and backyard areas and convey flows directly to the proposed MWS Biofiltration Vaults via proposed underground storm drain. Street surface flows will be conveyed via proposed curb and gutter towards two (2) proposed curb-inlet catch basins located along the private drive aisle. The proposed catch basins will be equipped with a Dvert system designed to divert low flows to the proposed MWS Biofiltration Vaults. Treated stormwater will be conveyed via proposed underground storm drain to proposed underground detention systems which will be outflow controlled to mitigate peak discharge to the existing LACFCD storm drain within W. Compton Boulevard. During larger storm events and when the MWS Biofiltration Vaults are at capacity, the Dvert system within the catch basins and an internal bypass within the MWS Biofiltration Vaults will allow for high flows to bypass treatment and flow directly to the proposed detention systems via the proposed storm drain system. Drainage from the site will be conveyed from the detention system to the existing LACFCD 66" storm drain at two (2) points of connection. Upon discharging to the existing LACFCD storm drain, site runoff will follow the historic drainage pattern.

Refer to Figure 2, BMP Exhibit for additional information.

F. LID Project Types, Characteristics, & Activities

Per the Los Angeles Department of Public Works (LACDPW), *Low Impact Development Standards Manual*, dated February 2014, the proposed project is classified as a "Designated Project." A "Designated Project" is defined by the LACDPW as follows:

> "Redevelopment projects, which are developments that result in creation or addition or replacement of either: (1) 5,000 square feet or more of impervious surface on a site that was previously developed as described in the above bullets; or (2) 10,000 square feet or more of impervious surface area on a site that was previous developed as a single family home."

G. Pollutant Source Identification and BMP Selection

The following is a list of materials to be used in the daily construction activities at the project site, which will potentially contribute to pollutants, other than sediment, to storm water runoff. Control Practices for each activity are identified below:

- Vehicle fluids, including oil, grease, petroleum, and coolants from personal vehicles
- Landscaping materials and wastes (topsoil, plant materials, herbicides, fertilizers, mulch, pesticides)
- General trash debris and litter
- Pet waste (bacteria/ fecal coliforms)

The Best Management Practices (BMPs) that have been selected for implementation on this project are detailed in the following sections.

H. Source Control BMPs

Project proponents shall implement Site Design concepts that achieve each of the following:

- Minimize Urban Runoff
- Minimize Impervious Footprint
- Conserve Natural Areas
- Minimize Directly Connected Impervious Areas (DCIAs)

Table-1 identifies the source control and treatment BMPs and how each is implemented to achieve each Site Design concept. BMP fact sheets are provided by the LACDPW *Low Impact Development Standards Manual* and the California Stormwater Quality Association.

Table-1: Source Control BMPs

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Non-Structural Source Control BMPs:			
	Education for Leasers', Operators, Occupants, or Employees	X		
	Activity Restrictions (CC&Rs)	X		
S-8	Landscape Irrigation Practices	X		
	Common Area Litter Control	X		
SE-7	Street Sweeping Private Streets and Parking Lots	X		

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Drainage Facility Inspection and Maintenance	X		
	Structural Source Control BMPs:			
S-1	Storm Drain Message and Signage	X		
S-8	Landscape Irrigation Practices	X		
SD-11	Roof Runoff Controls	X		
	Protect Slopes and Channels		X	No proposed slopes and channels
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed car wash racks
	Proper Site Design:			
S-7	Fuel and Maintenance Area		X	No proposed fueling areas
SD-33	Air/Water Supply Area Drainage		X	No proposed air/water supply
S-3	Outdoor Trash Storage and Waste Handling Area		X	No proposed waste handling areas
S-4	Outdoor Loading/ Unloading Dock Area		X	No proposed loading/unloading dock areas
S-5	Outdoor Vehicle/Equipment Repair/Maintenance Area		X	No proposed maintenance bays
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed wash areas
S-2	Outdoor Material Storage Area		X	No proposed material storage areas
SD-36	Outdoor Work Areas or Processing Areas		X	No proposed outdoor work areas
	Provide Wash Water Controls for Food Preparation Areas		X	No proposed food preparation areas

Non-Structural Measures

Non-structural BMPs are generally managerial, educational, inspection and/ or maintenance oriented. These items consist of educating employees and occupants, developing and implementing HOA guidelines, implementing BMPs and enforcing Code requirements. Non-structural BMPs used for this project are summarized below:

Education for Employees and Occupants

Practical informational materials will be provided to homeowners, HOA and employees on general good housekeeping practices that contribute to protection of storm water quality. Among other things, these materials will describe the use of chemicals (including household type) that should be limited to the property, with no discharge of specified wastes via hosing or other direct discharge to gutters, catch basins and storm drains. Initially, the Owner will provide these materials. Thereafter, such materials will be available through the HOA education program.

This program must be maintained, enforced, and updated periodically by the HOA. Educational materials including, but not limited to, the materials included in the Appendix F of this plan will be made available to the employees and contractors of the HOA.

Activity Restrictions

Activities on this site will be limited to activities related to residential living. The project's Conditions, Covenants, and Restrictions (CC&Rs) will outline the activities that are restricted on the property. Such activities related to the LID include car washing, car maintenance and disposal of used motor fluids, pet waste cleanup, and trash container areas.

Efficient Landscape System & Landscape Maintenance

Management programs will be designed and established by the HOA, who will maintain the common areas within the project site. These programs will include how to mitigate the potential dangers of fertilizer and pesticide usage (refer to the Maintenance and Frequency Table). Ongoing maintenance will be consistent with the State of California Model- Water Efficient Landscape Ordinance. Fertilizer and pesticide usage shall be consistent with County Management Guidelines for use of Fertilizers and Pesticides.

Street Sweeping in Private Streets and Parking Lots

The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

Drainage Facility Inspection & Maintenance

The HOA will be responsible for implementing each of the BMPs detailed in this plan. The HOA will also be responsible for cleaning and maintaining the BMPs on a regular basis. Refer to Appendix G for the Operation and Maintenance Plan. Refer to Appendix C for site specific drainage BMP information.

Storm Drain Stenciling/ Signage
Phrase "No Dumping – Drains to Ocean" or equally effective phrase to be stenciled on catch basins to alert the public to the destination of pollutants discharged into storm water. This stenciling will be inspected and re-stenciled on a periodic basis by the HOA. Refer to Table 4 for maintenance frequency.

Landscape & Irrigation System Design
As part of the design of all common area landscape irrigation shall employ water conservation principals, including, but not limited to, such provisions as water sensors, programmable irrigation times (for short cycles), etc. will be used. Such common areas will be maintained by the HOA.

Common Area Litter Control
The HOA must implement trash management and litter control procedures in common areas aimed at reducing pollution of drainage water. The HOA may contract a landscape maintenance company to provide this service during regularly scheduled maintenance which will consist of litter patrol and noting trash disposal violations and reporting the violations to the HOA for investigation.

Title 22 CC&R Compliance
The HOA will comply with this Regulation as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Uniform Fire Code Implementation
The HOA will comply with this Code as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Employee Training
A training program will be established as it would apply to future employees, contractors, and homeowners of the HOA to inform and train in maintenance activities regarding the impact of dumping oil, paints, solvents, or other potentially harmful chemicals into storm drains; the proper use of fertilizers and pesticides in landscaping maintenance practices; and the impacts of littering and improper water disposal.

The HOA (or a hired firm) will conduct the training program which will include targeted training sessions with specific construction disciplines (landscaping, concrete finishers, painters, etc.). See Appendix F for examples of educational materials that will be provided to the Employees.

The project's CC&Rs will include provisions for future employee training programs conducted on a yearly based prior to the rainy season.

I. Structural BMPs

Structural BMPs shall be installed by the developer, through the construction and development of the project, for instance; landscaping and irrigation systems shall be designed by licensed landscape architects and installed by qualified contractors to specifications and standards of the City of Compton. The structural BMPs used for this project are summarized below:

Expected pollutants associated with this development include vehicle discharge fluids, landscaping materials and waste, litter, and pet waste. To mitigate these pollutants, the structural best management practices summarized below.

Table-2: Design BMPs

BMP	TECHNIQUE	INCLUDED? YES	INCLUDED? NO	BRIEF DESCRIPTION OF METHOD
SD-10	Minimize Impervious Area/Maximize Permeability (C-Factor Reduction)	X		We have incorporated landscape areas wherever possible within the project site. See Appendix B for details.
	Minimize Directly Connected Impervious Areas (DCIAs) (C-Factor Reduction)	X		We minimize DCIAs by limiting sidewalks and parking areas to the minimum necessary for proper use. Stepping stones are used in areas with minimal foot traffic.
	Create Reduced or "Zero Discharge" Areas (Runoff Volume Reduction)	X		The entire SWQDV will be infiltrated, resulting in an overall runoff volume reduction.

Table-3: Treatment BMPs

BMP	NAME	INCLUDED?		IF NOT APPLICABLE, STATE BRIEF REASON
		YES	NO	
VEG-5	Vegetated Filter Strip		X	Alternative BMP selected
VEG-4	Vegetated Swale		X	Space not available for BMP
MP-40	Media Filter		X	Alternative BMP selected
MP-52	Drain Inserts		X	Alternative BMP selected
T-3	Extended Detention Basin		X	Alternative BMP selected
T-4	Wet Pond		X	Alternative BMP selected
T-2	Constructed Wetland		X	Alternative BMP selected
T-1	Sand Filter		X	Alternative BMP selected
RET-5	Permeable Pavement without an Underdrain		X	Alternative BMP selected
RET-2	Infiltration Basin		X	Alternative BMP selected
RET-3	Infiltration Trench		X	Alternative BMP selected
TC-40	Media Filter		X	Alternative BMP selected
BIO-1	Biofiltration	X		MWS Biofiltration Vaults will be utilized in the proposed development.

Biofiltration: Modular Wetlands System, Biofiltration Units

Modular Wetland System (MWS) Biofiltration Vaults will be utilized to capture and treat the stormwater runoff prior to leaving the site. MWS utilizes a 3-phase treatment train by conveying stormwater runoff through a pre-treatment chamber, planting or "Wetland" chamber and discharge chamber. Treated stormwater will be discharged into the proposed underground storm drain system which connects directly to the an existing LACFCD 66" storm drain system within W. Compton Boulevard.

Based on the grading and drainage design, the site will be divided into two (2) Drainage Management Areas (DMA) and utilize two (2) MWS Biofiltration Vaults to provide treatment of stormwater runoff. The design flowrate and treatment capacity for each DMA are as follows:

Drainage Management Area (DMA)	Size (ac)	Peak Flow Rate (cfs)*	Peak Flow Rate x 1.5 (cfs)	MWS Model	MWS HGL Height (ft)	Treatment Capacity (cfs)
1	1.085	0.237	0.356	MWS-L-8-16-V	3.4	0.462
2	1.365	0.298	0.447	MWS-L-8-16-V	3.4	0.462
Total	2.45	0.535	0.803	-		0.924

*Los Angeles County Department of Public Works (LACDPW) HydroCalc Software was utilized to calculate peak flowrates. The governing flowrate between the 0.75-inch storm event and the 85th Percentile storm event was utilized for design. Refer to Appendix A for HydroCalc outputs.

The proposed site will generate a total design flowrate of approximately 0.535 cfs. After multiplying this value by a factor of 1.5, the required treatment flowrate equals 0.803 cfs. The MWS Biofiltration Vaults provide a total treatment capacity of approximately 0.924 cfs and therefore provide more than enough treatment for the proposed development. The MWS systems will address the pollutants of concern associated with the development type. Refer to Appendix C for more information on MWS Biofiltration Vaults.

Catch Basin Inspection

The HOA will maintain the drainage systems, including catch basins and culverts. The HOA is required to have catch basins inspected and, if necessary, cleaned prior to the storm season, no later than October 15th each year or prior to the first 24-hour storm event, whichever occurs first. These duties may be contracted out to the landscape maintenance firm hired by the HOA. Please see Appendix E for maintenance program. Refer to Appendix G for the Operation and Maintenance Plan.

Runoff-Minimizing Landscape Design

As part of the design of all common area landscape areas, similar planting material with similar water requirements will be used in order to reduce excess irrigation runoff and promote surface filtration. Such common areas will be maintained by the HOA.

Community Car Wash Racks
No community car wash rack or area will be provided, therefore, vehicle washing by residents on the property will not be allowed per the CC&Rs.

Self-Contained Washing
Self-contained washing of vehicles by residents or owners on the property will not be allowed per the CC&Rs.

Outdoor Material Storage Areas
Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Outdoor Storage by residents or owners on the property will not be allowed per the CC&Rs.

J. BMP Maintenance, Inspection, and Repair

Inspections will be conducted as follows:

- Annually and prior to the start of the rainy season
- Every (1) month during rainy season
- At any other time(s) or intervals of time specified in the contract documents

Repairs and/ or maintenance procedures shall be carried out at the soonest possible time.

K. Inspection, Maintenance, and Responsibility for BMPs

Table-4 and Table-5 show the lists of the post-construction BMPs (routine non-structural and structural), the required ongoing maintenance, the inspection and maintenance frequency, the inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection.

Table-4: Non-Structural BMP Maintenance Responsibility/Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Homeowner/ Business owner Education, Activity Restrictions	HOA will provide educational materials. Those materials and responsibilities must be passed onto subsequent property owners.	Continuous. CC&Rs to be provided to homeowners at the time they purchase the property and updates provided by the HOA as they occur.
Common Area Landscape Management	HOA will appoint a landscape maintenance contractor	Monthly during regular maintenance and use with management guidelines for use of fertilizers and pesticides.
Parking Areas and Drive Aisle Management	HOA	The Drives Aisles are to be swept on a routine scheduled basis to facilitate the pickup of trash and debris (plant or otherwise) and to remove excessive oil, grease and build-up. During sweeping, debris is to be removed from the parking areas and drives and then scrubbed and rinsed. This sweeping schedule will be at a minimum occurrence of once a week and as necessary to rid / reduce active pollutants from the pavement areas. This maintenance requirement will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the final Title report of these properties.
Litter Control by Sweeping	HOA	Weekly inspection of trash receptacles to ensure that lids are closed and pick up any excess trash on the ground, noting trash disposal violations to the HOA for remediation.
Employee Training	HOA	Monthly for maintenance personnel and employees to include the educational materials contained in the approved LID.
Common Area Catch Basin Inspection & Cleaning	HOA will appoint a landscape maintenance contractor for common areas and storm drain facilities.	Inspect basins once a month. Clean debris and silt in bottom of catch basins as needed. Intensified on or about October 15th each year or prior to the first 24-hour storm event, whichever occurs first. Refer to Appendix E.

Table-5: Structural BMP Maintenance Responsibility/ Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Common Area Efficient Irrigation	HOA will appoint a landscape contractor after construction	Once a week, in conjunction with maintenance activities. Verify that runoff minimizing landscape design continues to function by checking that water sensors are functioning properly, that irrigation heads are adjusted properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year, weather and day or night time temperatures.
Common Area Runoff Efficient Landscape Design	HOA will appoint a landscaping contractor	Once a week in conjunction with maintenance activities and prior to finalizing any replanting schemes. Verify that plants continue to be grouped according to similar water requirements in order to reduce excess irrigation runoff.
Modular Wetlands System (MWS) Biofiltration Vaults	HOA	MWS Biofiltration Vaults maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C

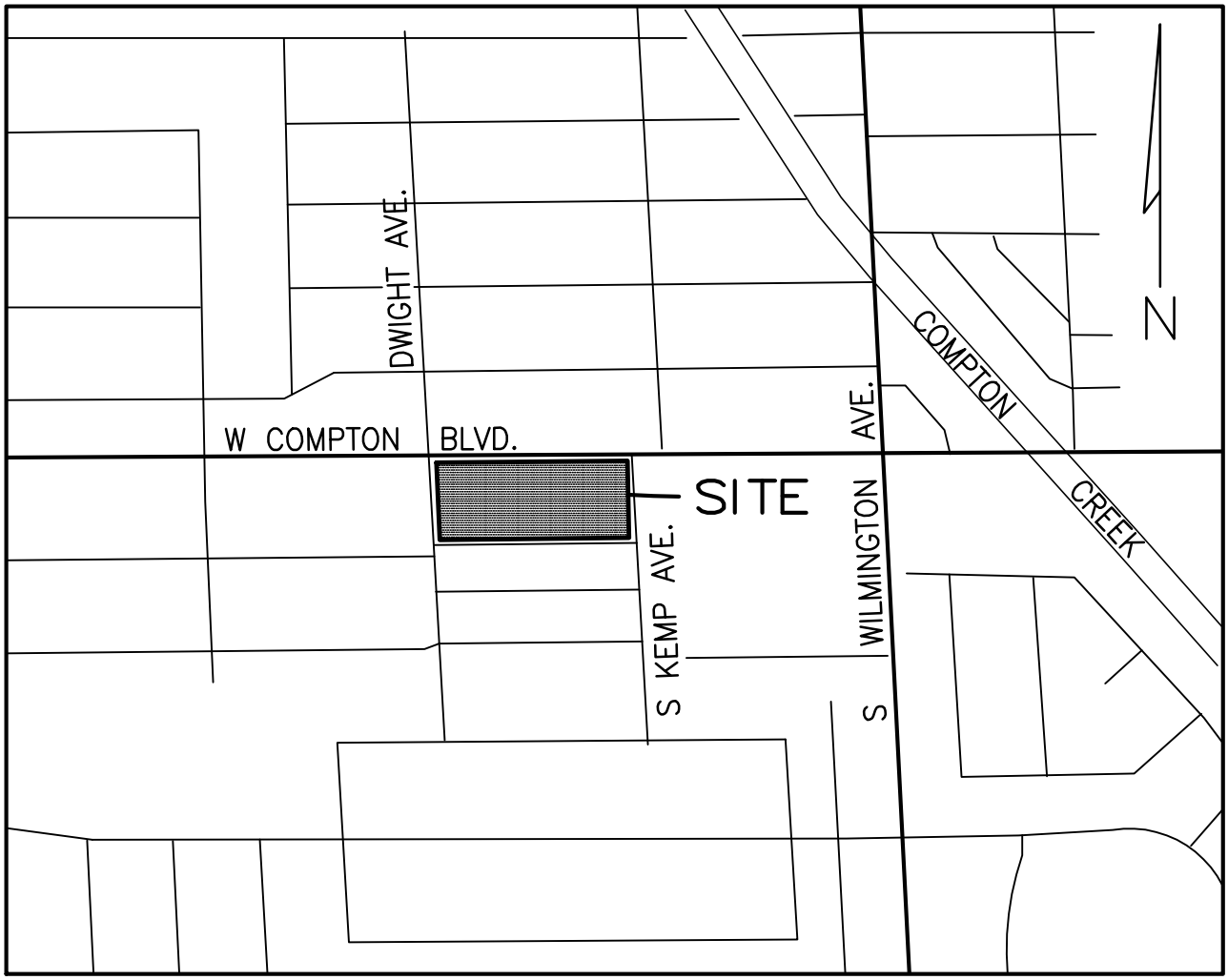
L. Operation/Maintenance Funding after Project Completion

The post-construction BMPs as described above will be funded and maintained by:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Maintenance and requirements of the maintenance for the properties will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project and will be the responsibility of the property owner at all times. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the Title report of these properties.

Figure 1:
Project Vicinity Map



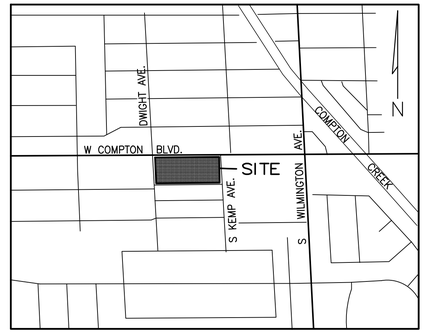
930 W. COMPTON BOULEVARD
COMPTON, CA 90220

Figure 2:
BMP Exhibit

PRELIMINARY BMP EXHIBIT

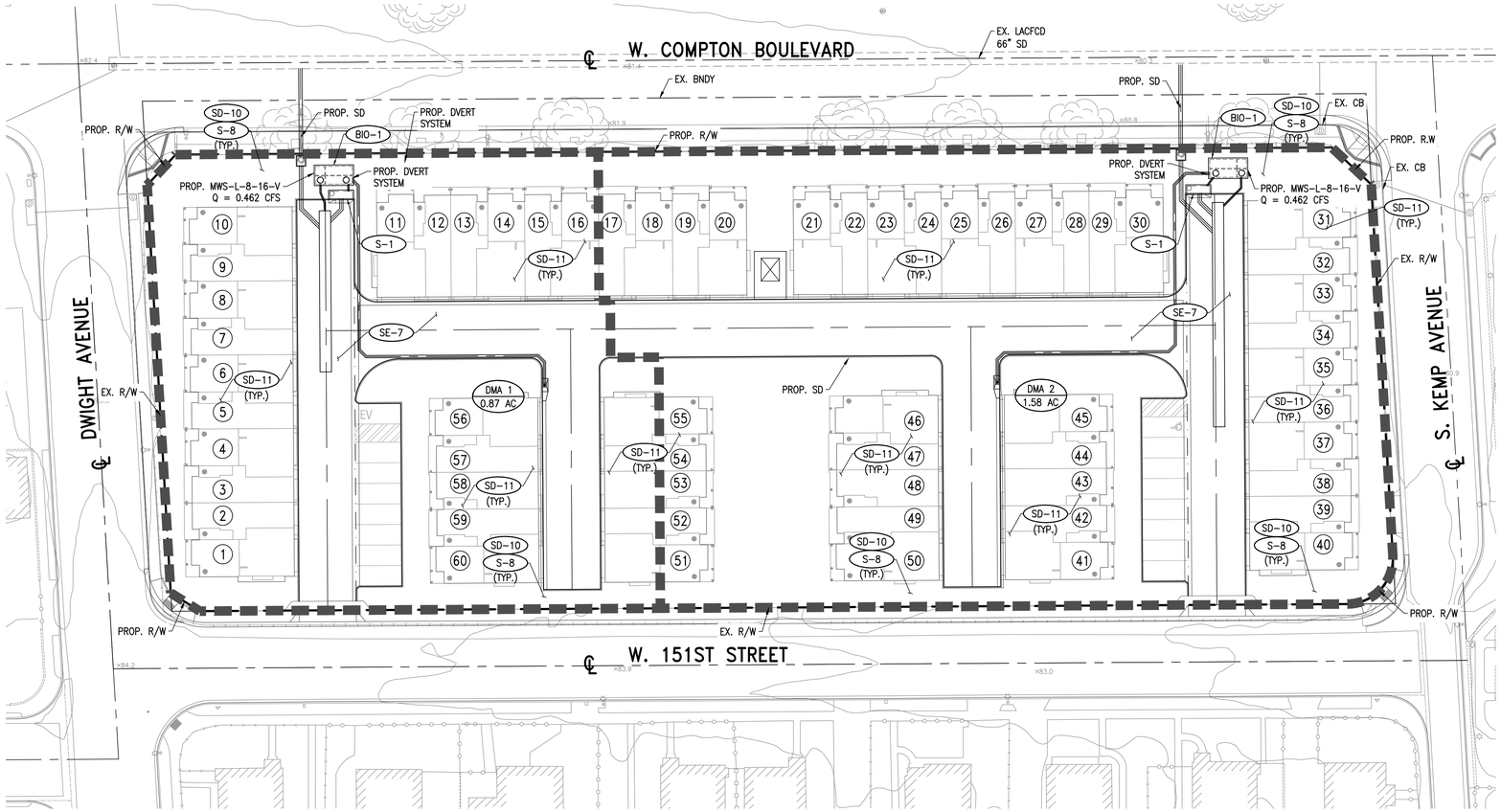
930 W. COMPTON BOULEVARD

CITY OF COMPTON, COUNTY OF LOS ANGELES



VICINITY MAP

NTS



LEGEND

- EXISTING BOUNDARY
- PROPOSED RIGHT-OF-WAY/ BOUNDARY
- PROPOSED STORM DRAIN
- DRAINAGE FLOW ARROWS
- DRAINAGE MANAGEMENT AREA (DMA)
- DMA X / X.XXX — DMA ID / DMA ACREAGE

BEST MANGEMENT PRACTICES (BMPS)

- S-1 STORM DRAIN SIGNAGE
- S-8 LANDSCAPE IRRIGATION PRACTICES
- SD-10 SITE DESIGN & LANDSCAPE PLANNING
- SD-11 ROOF RUNOFF CONTROLS
- SE-7 STREET SWEEPING & VACUUMING
- BIO-1 BIOFILTRATION UNIT (MWS)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

Figure 3:
Impaired Waters

COUNTY OF LOS ANGELES

BALLONA CREEK & OTHER URBAN WATERSHEDS

Ballona Creek and other Urban Watersheds

LEGEND

- BALLONA CREEK & OTHER URBAN WATERSHED
- UNINCORPORATED AREA
- DAM / LAKE / RESERVOIR
- MAJOR RIVER
- MAJOR CHANNEL

Data contained in this map is produced in whole or part from the Los Angeles County Department of Public Works' digital database.

REF: \\pwgisd02\mpmgis$\MPMGIS\projects\mpm\gismaps\wk_2627\ballonacreeketc_wtrsheds.mxd DATE: 08/22/07

Mapping & Property Management Division, Mapping & GIS Services Section

Appendix A:
Volume and Infiltration Calculations & Hydrologic Report

The proposed development was analyzed for the 0.75-in storm event and the 85th Percentile storm event using the LACDPW HydroCalc software. The governing peak flowrate between the two storm events was utilized for design. In accordance with the LA County BMP Design Manual, a factor of 1.5 was applied to obtain the design flowrate. Below is a summary of the HydroCalc outputs:

DMA	85th Percentile Storm ✓		0.75-in Storm		Governing Flowrate (cfs)	Flowrate x 1.5 (cfs)
	Volume (cf)	Flowrate (cfs)	Volume (cf)	Flowrate (cfs)		
1	2678	0.237	2308	0.195	0.237	0.356
2	3369	0.298	2904	0.245	0.298	0.447

Refer to LACDPW HydroCalc Output Data within this Appendix for Volume and Flowrate Calculations.

Peak Flow Hydrologic Analysis

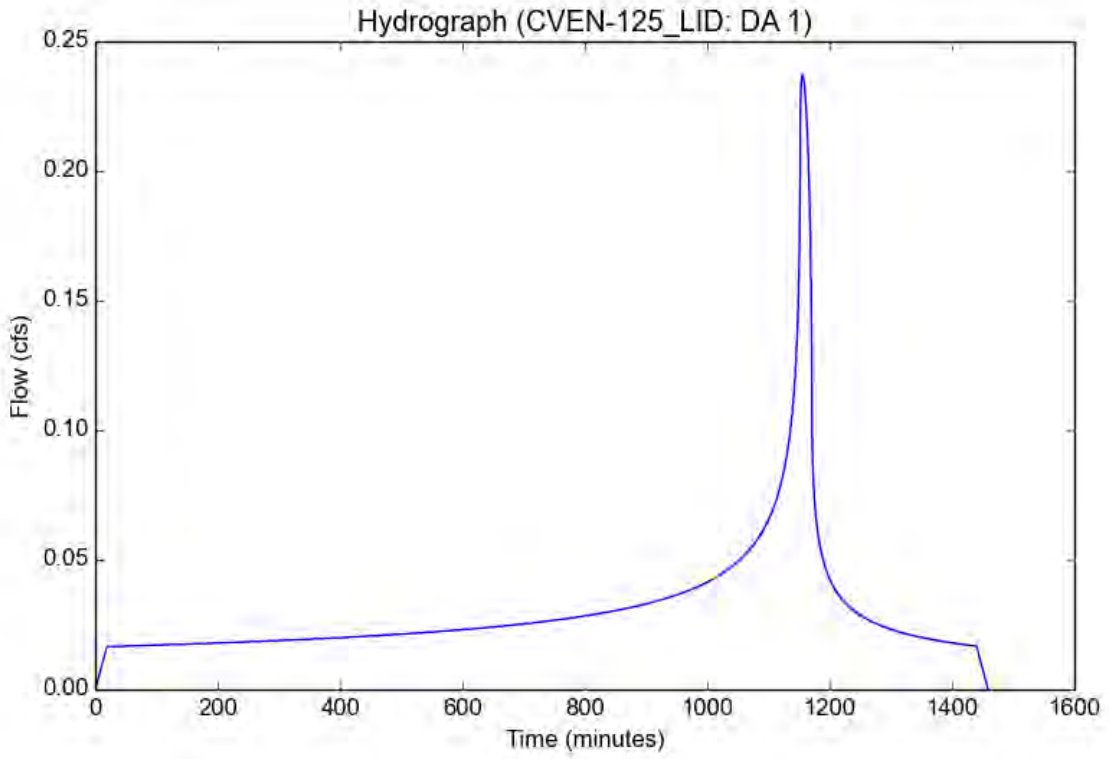
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.237
Burned Peak Flow Rate (cfs)	0.237
24-Hr Clear Runoff Volume (ac-ft)	0.0615
24-Hr Clear Runoff Volume (cu-ft)	2677.8096



Peak Flow Hydrologic Analysis

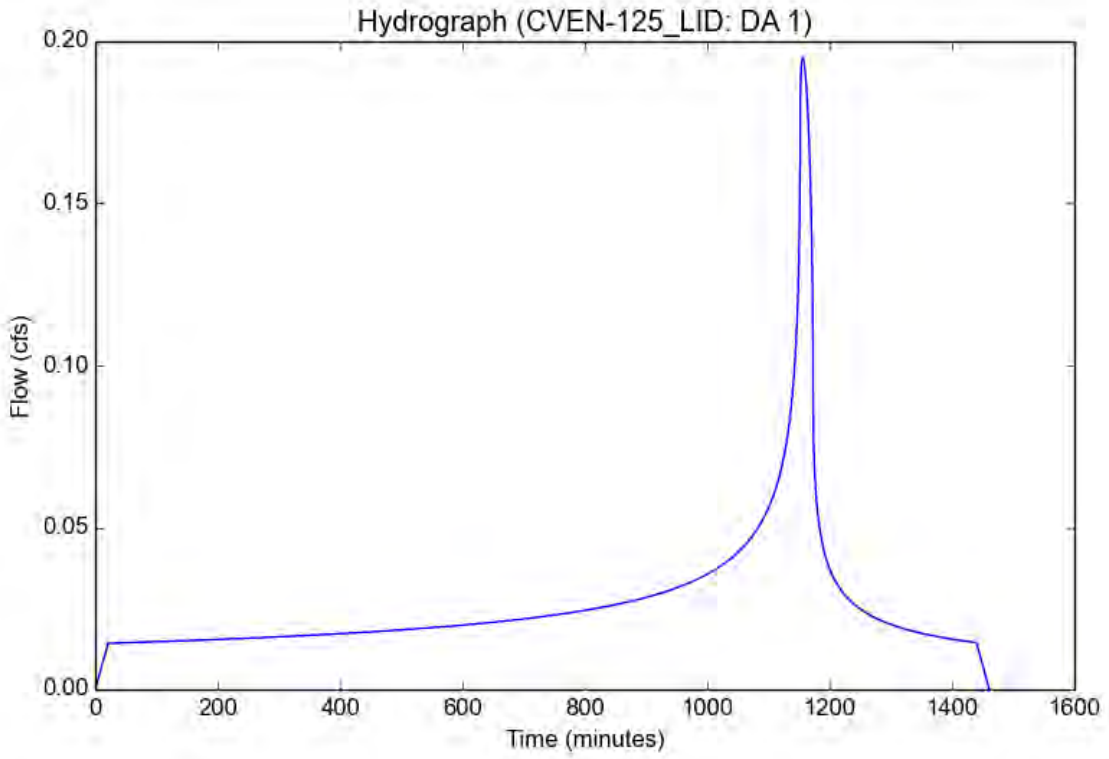
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.1949
Burned Peak Flow Rate (cfs)	0.1949
24-Hr Clear Runoff Volume (ac-ft)	0.053
24-Hr Clear Runoff Volume (cu-ft)	2308.4589



Peak Flow Hydrologic Analysis

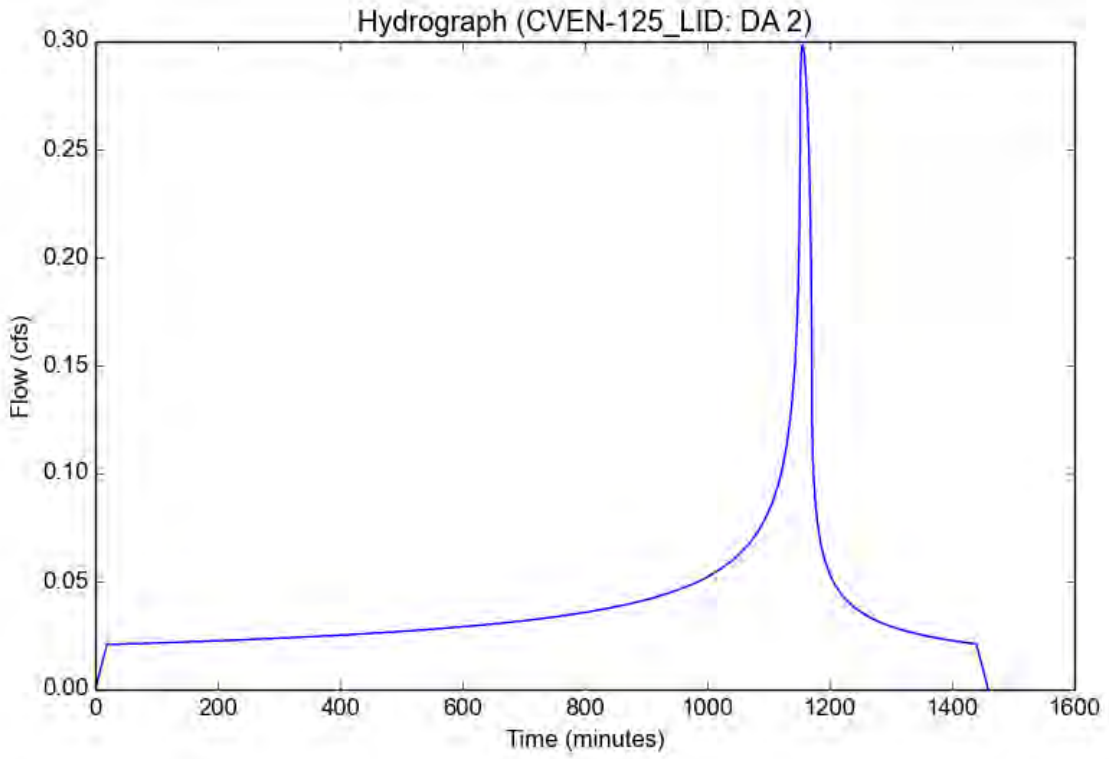
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.2981
Burned Peak Flow Rate (cfs)	0.2981
24-Hr Clear Runoff Volume (ac-ft)	0.0773
24-Hr Clear Runoff Volume (cu-ft)	3368.8572



Peak Flow Hydrologic Analysis

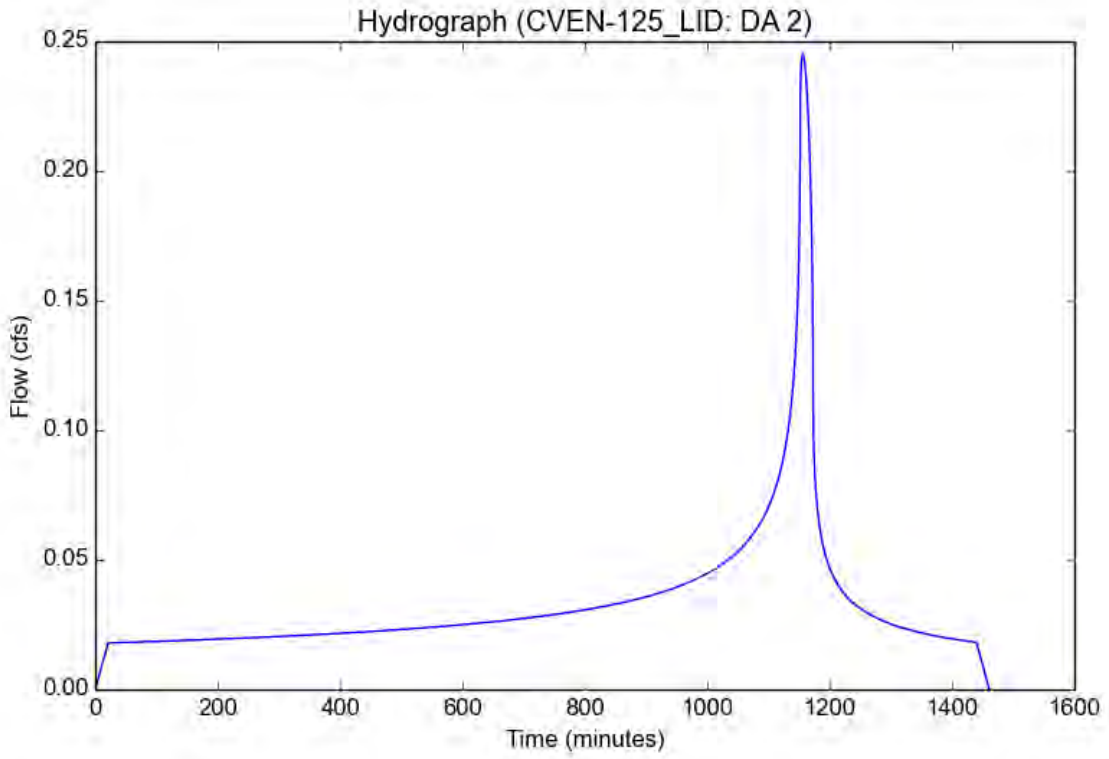
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.2452
Burned Peak Flow Rate (cfs)	0.2452
24-Hr Clear Runoff Volume (ac-ft)	0.0667
24-Hr Clear Runoff Volume (cu-ft)	2904.1902



Appendix B:
Site BMPs

S-1: Storm Drain Message and Signage

Purpose

Waste material dumped into storm drain inlets can adversely impact surface and ground waters. In fact, any material discharged into the storm drain system has the potential to significantly impact downstream receiving waters. Storm drain messages have become a popular method of alerting and reminding the public about the effects of and the prohibitions against waste disposal into the storm drain system. The signs are typically stenciled or affixed near the storm drain inlet or catch basin. The message simply informs the public that dumping of wastes into storm drain inlets is prohibited and/or that the drain ultimately discharges into receiving waters.

General Guidance

- The signs must be placed so they are easily visible to the public.
- Be aware that signs placed on sidewalk will be worn by foot traffic.

Design Specifications

- Signs with language and/or graphical icons that prohibit illegal dumping, must be posted at designated public access points along channels and streams within the project area. Consult with Los Angeles County Department of Public Works (LACDPW) staff to determine specific signage requirements for channels and streams.
- Storm drain message markers, placards, concrete stamps, or stenciled language/icons (e.g., “No Dumping – Drains to the Ocean”) are required at all storm drain inlets and catch basins within the project area to discourage illegal or inadvertent dumping. Signs should be placed in clear sight facing anyone approaching the storm drain inlet or catch basin from either side (see Figure D-1 and Figure D-2). LACDPW staff should be contacted to determine specific requirements for types of signs and methods of application. A stencil can be purchased for a nominal fee from LACDPW Building and Safety Office by calling (626) 458-3171. All storm drain inlet and catch basin locations must be identified on the project site map.

Maintenance Requirements

Legibility and visibility of markers and signs should be maintained (e.g., signs should be repainted or replaced as necessary). If required by LACDPW, the owner/operator or homeowner’s association shall enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards and signs.

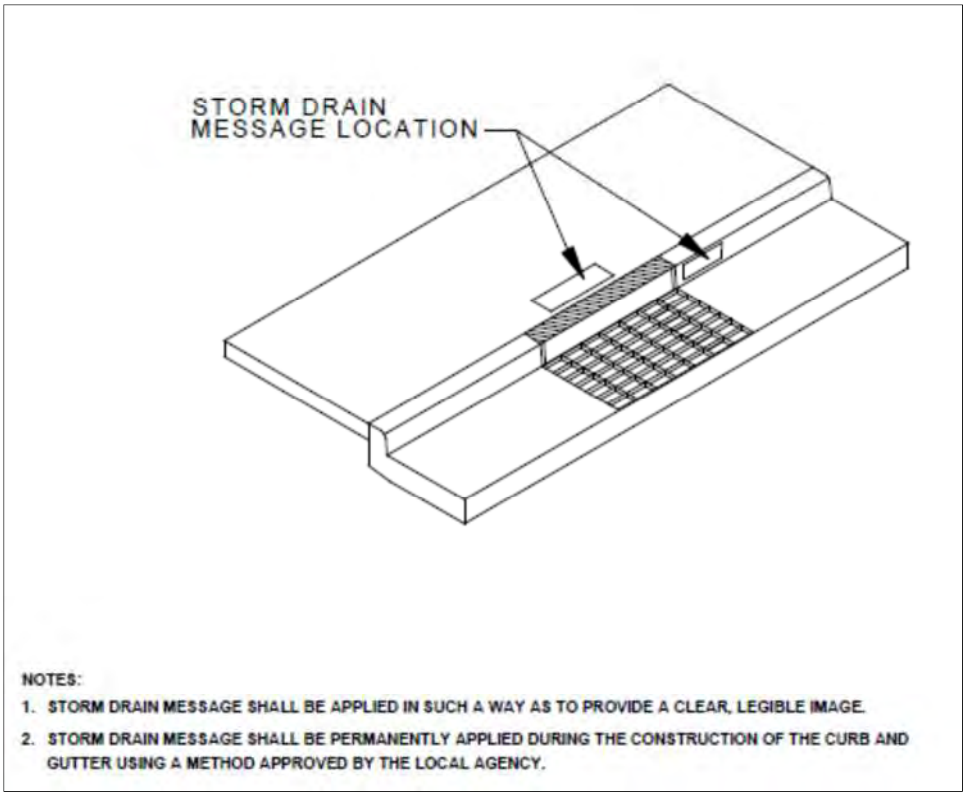


Figure D-1. Storm Drain Message Location – Curb Type Inlet

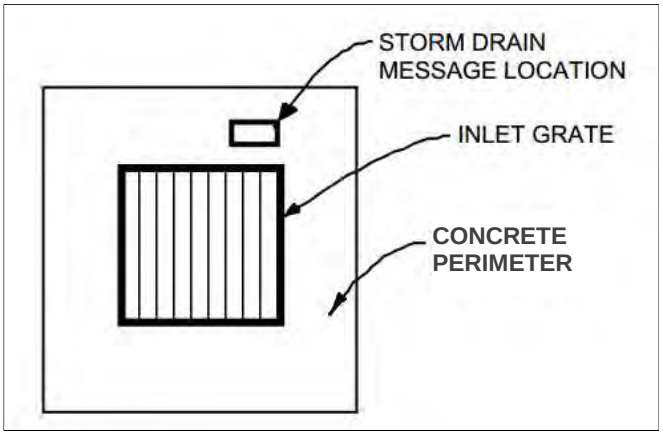


Figure D-2. Storm Drain Message Location – Catch Basin/Area Type Inlet

S-8: Landscape Irrigation Practices

Purpose

Irrigation runoff provides a pathway for pollutants (i.e., nutrients, bacteria, organics, sediment) to enter the storm drain system. By effectively irrigating, less runoff is produced resulting in less potential for pollutants to enter the storm drain system.

General Guidance

- Do not allow irrigation runoff from the landscaped area to drain directly to storm drain system.
- Minimize use of fertilizer, pesticides, and herbicides on landscaped areas.
- Plan sites with sufficient landscaped area and dispersal capacity (e.g., ability to receive irrigation water without generating runoff).
- Consult a landscape professional regarding appropriate plants, fertilizer, mulching applications, and irrigation requirements (if any) to ensure healthy vegetation growth.

Design Specifications

- Choose plants that minimize the need for fertilizer and pesticides.
- Group plants with similar water requirements and water accordingly.
- Use mulch to minimize evaporation and erosion.
- Include a vegetative boundary around project site to act as a filter.
- Design the irrigation system to only water areas that need it.
- Install an approved subsurface drip, pop-up, or other irrigation system.[1] The irrigation system should employ effective energy dissipation and uniform flow spreading methods to prevent erosion and facilitate efficient dispersion.
- Install rain sensors to shut off the irrigation system during and after storm events.
- Include pressure sensors to shut off flow-through system in case of sudden pressure drop. A sudden pressure drop may indicate a broken irrigation head or water line.
- If the hydraulic conductivity in the soil is not sufficient for the necessary water application rate, implement soil amendments to avoid potential geotechnical hazards (i.e., liquefaction, landslide, collapsible soils, and expansive soils).

[1] If alternative distribution systems (e.g., spray irrigation) are approved, the County will establish guidelines to implement these new systems.

- For sites located on or within 50 feet of a steep slope (15% or greater), do not irrigate landscape within three days of a storm event to avoid potential geotechnical instability.[2]
- Implement Integrated Pest Management practices.

For additional guidelines and requirements, refer to the Los Angeles County Department of Health Services.

Maintenance Requirements

Maintain irrigation areas to remove trash and debris and loose vegetation. Rehabilitate areas of bare soil. If a rain or pressure sensor is installed, it should be checked periodically to ensure proper function. Inspect and maintain irrigation equipment and components to ensure proper functionality. Clean equipment as necessary to prevent algae growth and vector breeding. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

[2] As determined by the City of Los Angeles, Building and Safety Division

Site Design & Landscape Planning SD-10

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION

Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11

Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Street Sweeping and Vacuuming SE-7

Objectives

EC	Erosion Control	
SE	Sediment Control	☒
TR	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Objective**

☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.
- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

BIO-1: Biofiltration

Definition

A biofiltration area is a vegetated shallow depression that is designed to receive and treat stormwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow ponding zone is provided above the vegetated surface for temporary storage of stormwater runoff. During storm events, stormwater runoff accumulates in the ponding zone and gradually infiltrates the surface and filters through the biofiltration soil media before being collected by an underdrain system.

Stormwater runoff treatment occurs through a variety of natural mechanisms as stormwater runoff filters through the vegetation root zone. In biofiltration areas, microbes and organic material in the biofiltration soil media help promote the adsorption of pollutants (e.g., dissolved metals and petroleum hydrocarbons) into the soil matrix. Plants utilize soil moisture and promote the drying of the soil through transpiration. Biofiltration areas are typically planted with native, drought-tolerant plant species that do not require fertilization and can withstand wet soils for at least 96 hours.

A schematic of a typical biofiltration area is presented in Figure E-7.

LID Ordinance Requirements

Biofiltration can be used as an alternative compliance measure.

Pollutant of Concern	Treated by Biofiltration?
Suspended solids	No
Total phosphorus	No
Total nitrogen	Yes
Total Kjeldahl nitrogen	Yes
Cadmium, total	No
Chromium, total	Yes
Copper, total	No
Lead, total	Yes
Zinc, total	No

Source: Treatment Best Management Practices Performance, Los Angeles Regional Water Quality Control Board, December 9, 2013.

Advantages

- Has a low cost for installation
- Enhances site aesthetics
- Requires little maintenance

Disadvantages

- May require individual owner/tenants to perform maintenance

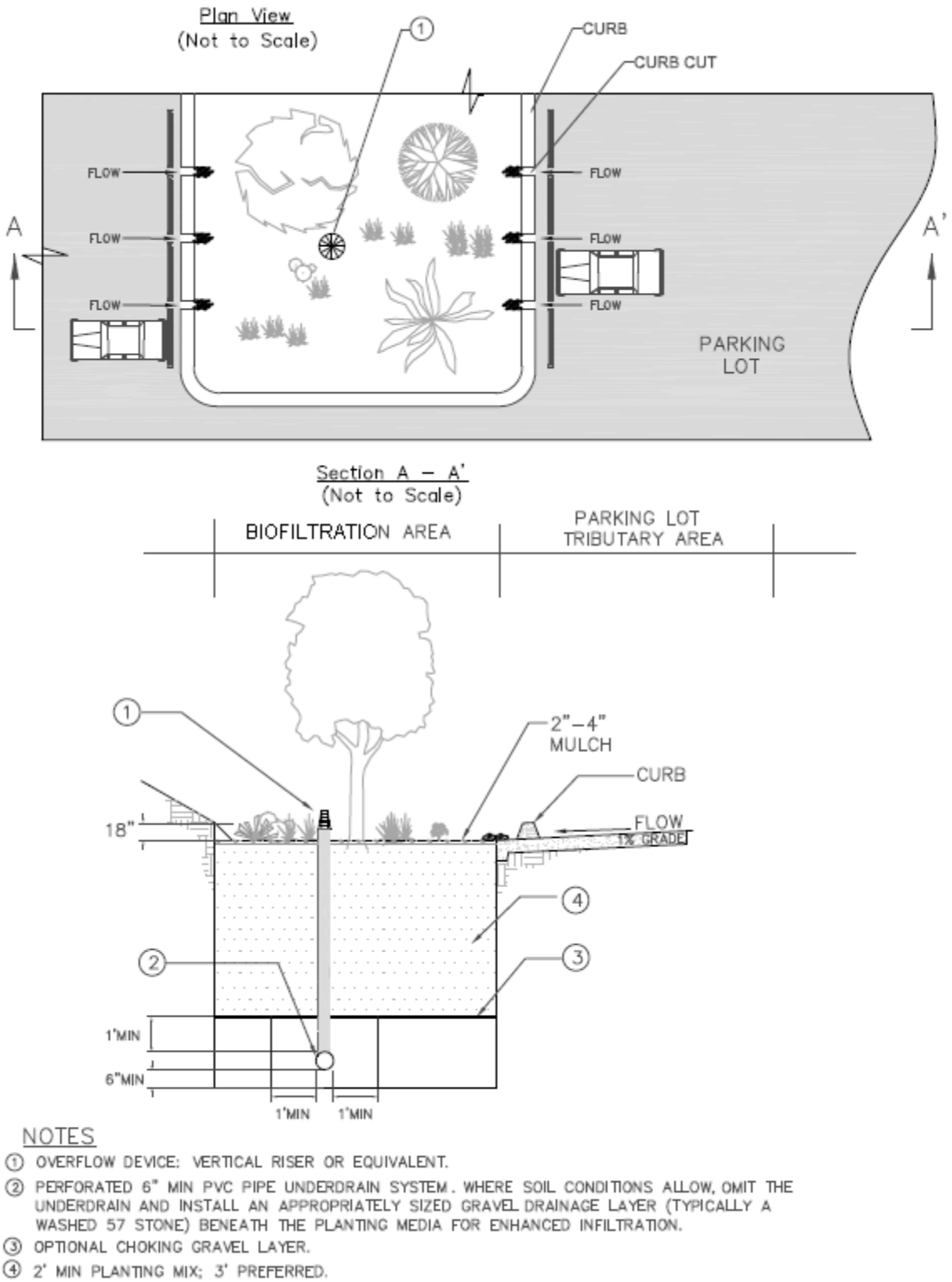


Figure E-7. Biofiltration Area Schematic

General Constraints and Implementation Considerations

- Biofiltration areas can be applied in various settings including, but not limited to:
  - Individual lots for rooftop, driveway, and other on-site impervious surface
  - Shared facilities located in common areas for individual lots
  - Areas within loop roads or cul-de-sacs
  - Landscaped parking lot islands
  - Within right-of-ways along roads
  - Common landscaped areas in apartment complexes or other multi-family housing designs
  - Parks and along open space perimeter
- If tire curbs are provided and parking stalls are shortened, cars are allowed to overhang the biofiltration area.
- Biofiltration areas must be located sufficiently far from structure foundations to avoid damage to structures (as determined by a certified structural or geotechnical engineer).
- Any parking areas bordering the biofiltration area must be monolithically poured concrete or deepended curb concrete to provide structural stability to the adjacent parking section.
- Geomembrane liners must be used in areas subject to spills or pollutant hot spots.
- During construction activities should avoid compaction of native soils below planting media layer or gravel zone.
- Stormwater runoff must be diverted around the biofiltration area during the period of vegetation establishment. If diversion is not feasible, the graded and seeded areas must be protected with suitable sediment controls (i.e., silt fences).All damaged areas should be repaired, seeded, or re-planted immediately.
- The general landscape irrigation system should incorporate the biofiltration area, as applicable.

Design Specifications

The following sections describe the design specifications for biofiltration areas.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for biofiltration. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the

groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of a biofiltration area. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning biofiltration system.

Biofiltration areas are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for a biofiltration area and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering a biofiltration area in order to maintain the infiltration rate of the biofiltration area. To ensure that biofiltration areas are effective, the project applicant must incorporate pretreatment devices that provide sediment removal (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices). The use of at least two pretreatment devices is highly recommended for biofiltration areas.

Geometry

- Biofiltration areas must be sized to capture and treat 1.5 times the SWQDv that is not reliably retained on the project site with an 18-inch maximum ponding depth.
- The planting soil depth must be a minimum of two feet, although three feet is preferred. The planting soil depth should provide a beneficial root zone for the chosen vegetation and adequate water storage for the stormwater runoff. A deeper planting soil depth will also provide a smaller surface area footprint.
- A gravel storage layer below the biofiltration area soil media is required to provide adequate temporary storage to retain 1.5 times the SWQDv that is not reliably retained on the project site and to promote infiltration.

Sizing

Biofiltration areas are sized using a simple sizing method where 1.5 times the SWQDv that is not reliably retained on the project site must be completely filtered within 96 hours. If the incoming stormwater runoff flow rate is lower than the long term filtration rate, above ground storage does not need to be provided. If the incoming stormwater runoff flow rate is higher than the long term filtration rate, above ground storage shall be provided (see steps below).

Step 1: Calculate the design volume

Biofiltration areas should be sized to capture and treat 1.5 times the portion of the SWQDv (see Section 6 for SWQDv calculation procedures) that is not reliability retained on the project site, as calculated by the equation below:

$$V_B = 1.5 \times (SWQDv - V_R)$$

Where:

V_B = Biofiltration volume [ft^3];
SWQDv = Stormwater quality design volume [ft^3]; and
V_R = Volume of stormwater runoff reliably retained on-site [ft^3].

Step 2: Calculate the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Select a surface ponding depth (d) that satisfies the geometric criteria and meets the site constraints. Selecting a deeper ponding depth (up to 1.5 ft) generally yields a smaller footprint, however, it will require greater consideration for public safety, energy dissipation, and plant selection.

Calculate the time for the selected ponding depth to filter through the planting media using the following equation:

$$\mathrm{d} = t_p \times \frac{\mathrm{f_{design}}}{12}$$

Where:

d = Ponding depth (max 1.5 ft) [ft];
t_p = Required detention time for surface ponding (max 96 hr) [hr]; and
f_{design} = Design infiltration rate [in/hr].

If t_p exceeds 96 hours, reduce surface ponding depth (d). In nearly all cases, t_p should not approach 96 hours unless f_{design} is low.

Calculate the required infiltrating surface (filter bottom area) using the following equation:

$$A = \frac{V_B}{d}$$

Where:

A = Bottom surface area of biofiltration area [ft^2];
V_B = Biofiltration design volume [ft^3]; and
d = Ponding depth (max 1.5 ft) [ft].

Flow Entrance and Energy Dissipation

Maintain a minimum slope of 1 percent for pervious surfaces and 0.5 percent for impervious surfaces to the biofiltration area inlet. The following types of flow entrance can be used for biofiltration cells:

- Level spreaders (i.e., slotted curbs) can be used to facilitate sheet flow.
- Dispersed, low velocity flow across a landscape area. Dispersed flow may not be possible given space limitations or if the biofiltration area is controlling roadway or parking lot flows where curbs are mandatory.
- Dispersed flow across pavement or gravel and past wheel stops for parking areas.
- Flow spreading trench around perimeter of biofiltration area. May be filled with pea gravel or vegetated with 3:1 side slopes similar to a swale. A vertical-walled open trench may also be used at the discretion of LACDPW.
- Curb cuts for roadside or parking lot areas, if approved by LACDPW: curb cuts should include rock or other erosion controls in the channel entrance to dissipate energy. Flow entrance should drop two to three inches from curb line and provide an area for settling and periodic removal of sediment and coarse material before flow dissipates to the remainder of the biofiltration area.
- Piped entrances, such as roof downspouts, should include rock, splash blocks, or other erosion controls at the entrance to dissipate energy and disperse flows.
- Woody plants (trees, shrubs, etc.) can restrict or concentrate flows and can be damaged by erosion around the root ball and must not be placed directly in the entrance flow path.

Drainage

Biofiltration areas must be designed to drain below the planting soil in less than 96 hours. Soils must be allowed to dry out periodically in order to restore hydraulic capacity to receive stormwater runoff from subsequent storm events, maintain infiltration rates, maintain adequate soil oxygen levels for healthy soil biota and vegetation, and provide proper soil conditions for biodegradation and retention of pollutants.

Underdrain

Biofiltration areas require an underdrain to collect and discharge stormwater runoff that has been filtered through the soil media, but not infiltrated, to another stormwater quality control measure, storm drain system, or receiving water. The underdrain must have a mainline diameter of eight inches using slotted PVC SDR 26 or PVC C9000. Slotted PVC allows for pressure water cleaning and root cutting, if necessary. The slotted pipe

should have two to four rows of slots cut perpendicular to the axis of the pipe or at right angles to the pitch of corrugations. Slots should be 0.04 to 0.1 inches wide with a length of 1 to 1.25 inches. Slots should be longitudinally-spaced such that the pipe has a minimum of one square inch opening per lineal foot and should face down.

The underdrain should be placed in a gravel envelope (Class 2 Permeable Material per Caltrans Spec. 68-1.025) that measures three feet wide and six inches deep. The underdrain is elevated from the bottom of the biofiltration area by six inches within the gravel envelope to create a fluctuating anaerobic/aerobic zone below the underdrain to facilitate denitrification within the anaerobic/anoxic zone and reduce nutrient concentrations. The top and sides of the underdrain pipe should be covered with gravel to a minimum depth of 12 inches. The underdrain and gravel envelope should be covered with a geomembrane liner to prevent clogging. The following aggregate should be used for the gravel envelope:

Particle Size (ASTM D422)	% Passing by Weight
¾ inch	100%
¼ inch	30-60%
#8	20-50%
#50	3-12%
#200	0-1%

Underdrains should be sloped at a minimum of 0.5 percent and must drain freely to an approved discharge point.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter should be connected to the underdrain to provide a clean-out port as well as an observation well to monitor drainage rates. The wells/clean-outs should be connected to the perforated underdrain with the appropriate manufactured connections. The wells/clean-outs should extend six inches above the top elevation of the biofiltration area mulch, and should be capped with a lockable screw cap. The ends of underdrain pipes not terminating in an observation well/clean-out should also be capped.

Hydraulic Restriction Layer

Lateral infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent waterproofing, may be placed along the vertical walls to reduce lateral flows. This geomembrane liner must have a minimum thickness of 30 mils and meet the requirements of Table E-12. Generally, waterproof barriers should not be placed on the bottom of the biofiltration unit, as this would prevent incidental infiltration which is important to meeting the required pollutant load reduction.

Table E-12. Geomembrane Liner Specifications for Biofiltration Areas

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Planting/Storage Media

- The planting media placed in the biofiltration area should achieve a long-term, in-place infiltration rate of at least 5 in/hr. Higher infiltration rates of up to 12 in/hr are permissible. The biofiltration soil media must retain sufficient moisture to support vigorous plant growth.
- The planting media mix must consist of 60 to 80 percent sand and 20 to 40 percent compost.
- Sand should be free of wood, waste, coatings such as clay, stone dust, carbonate, or any other deleterious material. All aggregate passing the No. 200 sieve size should be non-plastic. Sand for biofiltration should be analyzed by an accredited laboratory using #200, #100, #40, #30, #16, #8, #4, and 3/8 sieves (ASTM D422 or as approved by the local permitting authority) and meet the following gradations (Note: all sand complying with ASTM C33 for fine aggregate comply with the gradation requirements listed below):

Particle Size (ASTM D422)	% Passing by Weight
3/8 inch	100%
#4	90-100%
#8	70-100%
#16	40-95%
#30	15-70%
#40	5-55%
#110	0-15%
#200	0-5%

Note: The gradation of the sand component of the biofiltration soil media is believed to be a major factor in the infiltration rate of the media mix. If the desired hydraulic conductivity of the biofiltration soil media cannot be achieved within the specified proportions of sand and compost (#2), then it may be necessary to utilize sand at the coarser end of the range specified minimum percent passing.

- Compost should be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes, or other organic material not including manure or biosolids meeting standards developed by the USCC. The product shall be certified through the USCC STA Program (a compost testing and information disclosure program). Compost quality shall be verified via a laboratory analysis to be:
    - Feedstock materials must be specified and include one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
    - pH between 6.5 and 8.0 (may vary with plant palette)
    - Organic Matter: 35 to 75 percent dry weight basis
    - Carbon and Nitrogen Ratio: 15:1 < C:N < 25:1
    - Maturity/Stability: Compost must have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120°F) upon delivery or rewetting is not acceptable.
    - Toxicity: any one of the following measures is sufficient to indicate non-toxicity:
        - NH_4:NH_3 < 3
        - Ammonium < 500 ppm, dry weight basis
        - Seed germination > 80 percent of control
        - Plant trials > 80 percent of control
        - Solvita® > 5 index value
    - Nutrient content:
        - Total Nitrogen content ≥ 0.9 percent preferred
        - Total Boron should be < 80 ppm; soluble boron < 2.5 ppm
    - Salinity: < 6.0 mmhos/cm
    - Compost for biofiltration area should be analyzed by an accredited laboratory using #200, ¼-inch, ½-inch, and 1-inch sieves (ASTM D422) and meet the gradation requirements in the table below:

Particle Size (ASTM D422)	% Passing by Weight
1 inch	99-100
½ inch	90-100
¼ inch	40-90
#200	2-10

Tests should be sufficiently recent to represent the actual material that is anticipated to be delivered to the site. If processes or sources used by the supplier have changed significantly since the most recent testing, new tests should be requested.

The gradation of compost used in biofiltration soil media is believed to play an important role in the saturated infiltration rate of the media. To achieve a higher saturated infiltration rate, it may be necessary to utilize compost at the coarser end of the range (minimum percent passing). The percent passing the #200 sieve (fines) is believed to be the most important factor in hydraulic conductivity.

In addition, coarser compost mix provides more heterogeneity of the biofiltration soil media, which is believed to be advantageous for more rapid development of soil structure needed to support healthy biological processes. This may be an advantage for plant establishment with lower nutrient and water input.

- Biofiltration soil media not meeting the above criteria should be evaluated on a case-by-case basis. Alternative biofiltration soil media must meet the following specifications:

  "Soils for biofiltration facilities must be sufficiently permeable to infiltrate stormwater runoff at a minimum of rate of 5 in/hr during the life of the facility, and provide sufficient retention of moisture and nutrients to support healthy vegetation." The following steps shall be followed by LACDPW to verify that alternative biofiltration soil media mixes meet the specification:

  - Submittals – The applicant must submit to LACDPW for approval:
    - A sample of mixed biofiltration soil media.
    - Certification from the soil supplier or an accredited laboratory that the biofiltration soil media meets the requirements of this specification.
    - Certification from an accredited geotechnical testing laboratory that the biofiltration soil media has an infiltration rate between 5 and 12 in/hr.
    - Organic content test results of the biofiltration soil media. Organic content test shall be performed in accordance with the Testing Methods for the Examination of Compost and Composting (TMECC) 05.07A, "Loss-On-Ignition Organic Matter Method".
    - Organic grain size analysis results of mixed biofiltration soil media performed in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
    - A description of the equipment and methods used to mix the sand and compost to produce the biofiltration soil media.
  - The name of the testing laboratory(ies) and the following information:

- Contact person(s)
- Address(es)
- Phone contact(s)
- E-mail address(es)
- Qualifications of laboratory(ies) and personnel including date of current certification by STA, ASTM, or approved equal.

o Biofiltration soils shall be analyzed by an accredited laboratory using #200 and ½-inch sieves (ASTM D422 or as approved by LACDPW), and meet the gradation described in the table below:

Particle Size (ASTM D422)	% Passing by Weight
½ inch	97-100
#200	2-5

- Biofiltration soil media shall be analyzed by an accredited geotechnical laboratory for the following tests:
  - o Moisture – density relationships (compaction tests) must be conducted on biofiltration soil media. Biofiltration soil media for the permeability test shall be compacted to 85 to 90 percent of the maximum dry density (ASTM D1557).
  - o Constant head permeability testing in accordance with ASTM D2434 shall be conducted on a minimum of two samples with a 6-inch mold and vacuum saturation.
- Mulch is recommended for the purpose of retaining moisture, preventing erosion, and minimizing weed growth. Projects subject to the California Model Water Efficiency Landscaping Ordinance (or comparable local ordinance) will be required to provide at least 2 inches of mulch. Aged mulch, also called compost mulch, reduces the ability of weeds to establish, keeps soil moist, and replenishes soil nutrients. Biofiltration areas must be covered with two to four inches (average three inches) of mulch at the start and an annual placement (preferably in June after weeding) of one to two inches of mulch beneath plants.
- The planting media design height must be marked appropriately, such as a collar on the overflow device or with a stake inserted two feet into the planting media and notched, to show biofiltration surface level and ponding level.

Vegetation

Prior to installation, a licensed landscape architect must certify that all plants, unless otherwise specifically permitted, conform to the standards of the current edition of American Standard for Nursery Stock as approved by the American Standards Institute, Inc. All plant grades shall be those established in the current edition of American Standards for Nursery Stock.

- Shade trees must have a single main trunk. Trunks must be free of branches below the following heights:

CALIPER (in)	Height (ft)
1½-2½	5
3	6

- Plants must be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 96 hours.
- It is recommended that a minimum of three types of tree, shrubs, and/or herbaceous groundcover species be incorporated to protect against facility failure due to disease and insect infestations of a single species.
- Native plant species and/or hardy cultivars that are not invasive and do not require chemical inputs must be used to the maximum extent practicable.

The biofiltration area should be vegetated to resemble a terrestrial forest community ecosystem, which is dominated by understory trees, a shrub layer, and herbaceous ground cover. Select vegetation that:

- Is suited to well-drained soil;
- Will be dense and strong enough to stay upright, even in flowing water;
- Has minimum need for fertilizers;
- Is not prone to pests and is consistent with Integrated Pest Management practices; and
- Is consistent with local water conservation ordinance requirements.

Irrigation System

Provide an irrigation system to maintain viability of vegetation, if applicable. The irrigation system must be designed to local code or ordinance specifications.

Restricted Construction Materials

The use of pressure-treated wood or galvanized metal at or around a biofiltration area is prohibited.

Overflow Device

An overflow device is required at the 18-inch ponding depth. The following, or equivalent, should be provided:

- A vertical PVC pipe (SDR 26) to act as an overflow riser.
- The overflow riser(s) should be eight inches or greater in diameter, so it can be cleaned without damage to the pipe.

- The inlet to the riser should be at the ponding depth (18 inches for fenced biofiltration areas and 6 inches for areas that are not fenced), and be capped with a spider cap to exclude floating mulch and debris. Spider caps should be screwed in or glued (e.g., not removable). The overflow device should convey stormwater runoff in excess of 1.5 times the SWQDv that is not reliably retained on the project site to an approved discharge location (another stormwater quality control measure, storm drain system, or receiving water).

Maintenance Requirements

Maintenance and regular inspections are important for proper function of biofiltration areas. Biofiltration areas require annual plant, soil, and mulch layer maintenance to ensure optimal infiltration, storage, and pollutant removal capabilities. In general, biofiltration maintenance requirements are typical landscape care procedures and include:

- Irrigate plants as needed during prolonged dry periods. In general, plants should be selected to be drought-tolerant and not require irrigation after establishment (two to three years).
- Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred. Properly-designed facilities with appropriate flow velocities should not cause erosion except potentially during in extreme events. If erosion occurs, the flow velocities and gradients within the biofiltration area and flow dissipation and erosion protection strategies in the pretreatment area and flow entrance should be reassessed. If sediment is deposited in the biofiltration area, identify the source of the sediment within the tributary area, stabilize the source, and remove excess surface deposits.
- Prune and remove dead plant material as needed. Replace all dead plants, and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species.
- Remove weeds as needed until plants are established. Weed removal should become less frequent if the appropriate plant species are used and planting density is attained.
- Select the proper soil mix and plants for optimal fertility, plant establishment, and growth to preclude the use of nutrient and pesticide supplements. By design, biofiltration facilities are located in areas where phosphorous and nitrogen levels are often elevated such that these should not be limiting nutrients. Addition of nutrients and pesticides may contribute pollutant loads to receiving waters.
- In areas where heavy metals deposition is likely (i.e., tributary areas to industrial, vehicle dealerships/repair, parking lots, roads), replace mulch annually. In areas where metals deposition is less likely (i.e., residential lots), replace or add mulch as needed to maintain a two to three inch depth at least once every two years.

- Analyze soil for fertility and pollutant levels if necessary. Biofiltration soil media are designed to maintain long-term fertility and pollutant processing capability.
- Eliminate standing water to prevent vector breeding.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.
- Inspect, and clean if necessary, the underdrain.

A summary of potential problems that need to be addressed by maintenance activities is presented in Table E-13.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-13. Biofiltration Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Vegetation	Overgrown vegetation	Mow and prune vegetation as appropriate.
	Presence of invasive, poisonous, nuisance, or noxious vegetation or weeds	Remove this vegetation and plant native species as needed.
Trash and Debris	Trash, plant litter, and dead leaves present	Remove and properly dispose of trash and debris.
Irrigation (if applicable)	Not functioning correctly	Check irrigation system for clogs or broken lines and repair as needed.
Inlet/Overflow	Inlet/overflow areas clogged with sediment and/or debris	Remove material.
	Overflow pipe blocked or broken	Repair as needed.
Erosion/Sediment Accumulation	Splash pads or spreader incorrectly placed Presence of erosion or sediment accumulation	Check inlet structure to ensure proper function. Repair, or replace if necessary, the inlet device. Repair eroded areas with gravel as needed. Re-grade the biofiltration area as needed.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination from floatables such as oil and grease.
Standing water	Standing water observed more than 96 hours after storm event	Inspect, and clean as needed, the underdrain to ensure proper function. Clear clogs as needed. Remove and replace planter media (sand, gravel, topsoil, mulch) and vegetation.

Appendix C:
Modular Wetlands System (MWS) Biofiltration Vaults

Typical MWS Biofiltration Vault details have been provided for this Preliminary LID. Project specific details will be provided during final engineering.

SITE SPECIFIC DATA*	
PROJECT NAME	
PROJECT LOCATION	
STRUCTURE ID	

PERFORMANCE DATA	
TREATMENT VOLUME (CF)	
DRAINDOWN TIME (HR)	
TREATMENT HGL (FT)	
BYPASS FLOW RATE (CFS)	

PROJECT PARAMETERS			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
OUTLET PIPE 1			
RIM ELEVATION			
SURFACE LOADING REQUIREMENT			

FRAME & COVER	PRETREATMENT	BIOFILTRATION	DISCHARGE

WETLANDMEDIA VOLUME (CY)	
MEDIA DELIVERED	
ORIFICE SIZE (DIA)	
MAX PICK WEIGHT (LBS)	

NOTES:

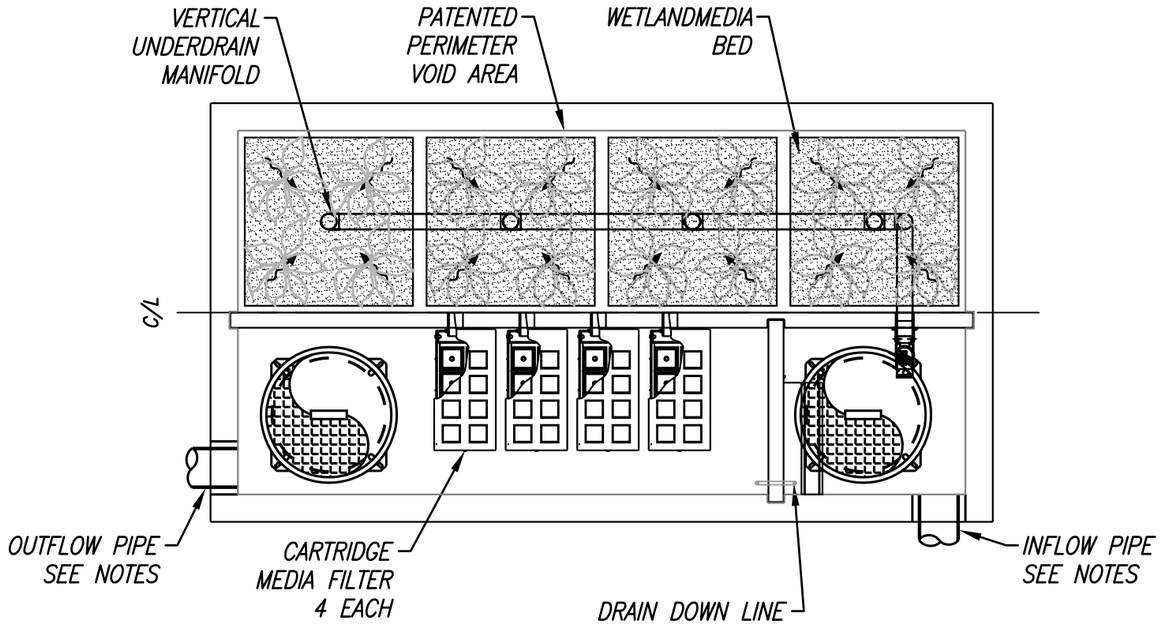
*PER ENGINEER OF RECORD

INSTALLATION NOTES

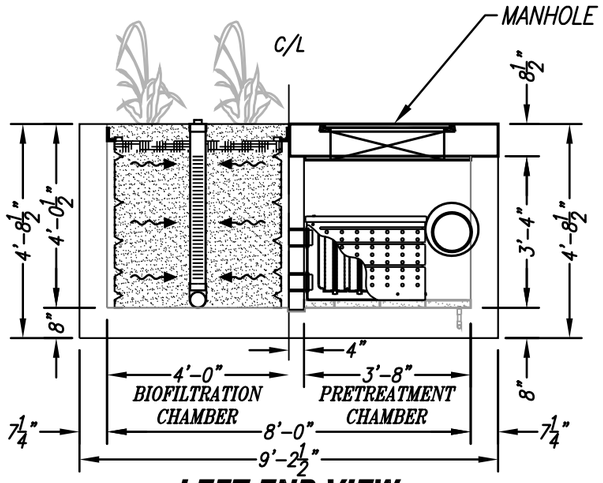
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. MANUFACTURER RECOMMENDS A MINIMUM 6"LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH).
4. INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR.
5. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
6. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

GENERAL NOTES

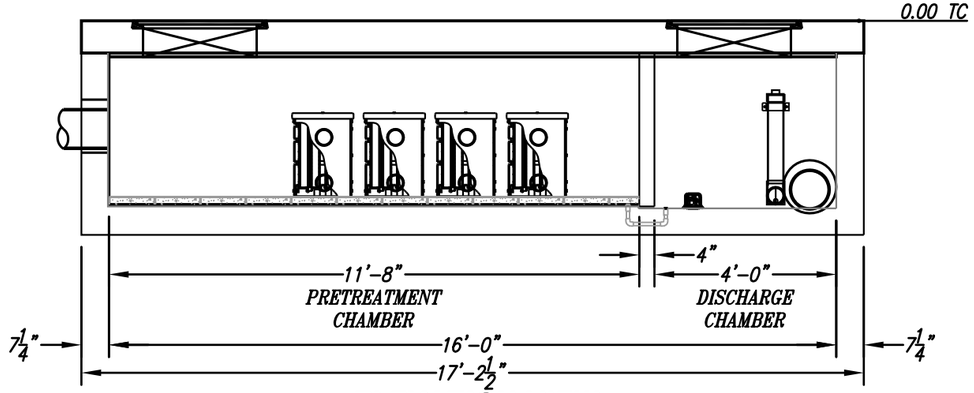
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



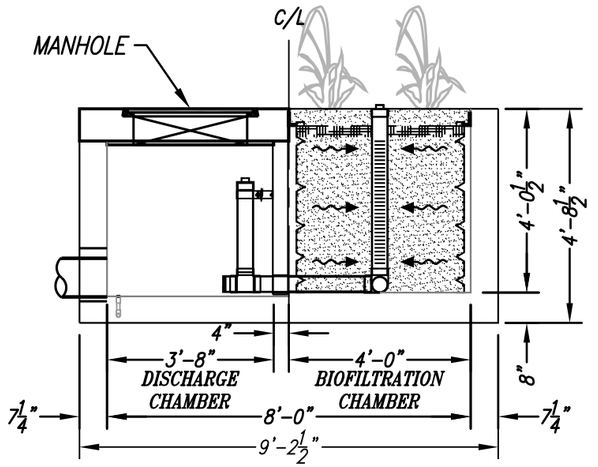
PLAN VIEW



LEFT END VIEW



ELEVATION VIEW



RIGHT END VIEW

MWS UNIT DESIGN DATA	
TREATMENT CAPACITY (CFS)	0.462
OPERATING HEAD (FT)	3.4
PRETREATMENT SURFACE AREA (SF)	141.12
WETLAND LOADING RATE (GPM/MIN)	1.03

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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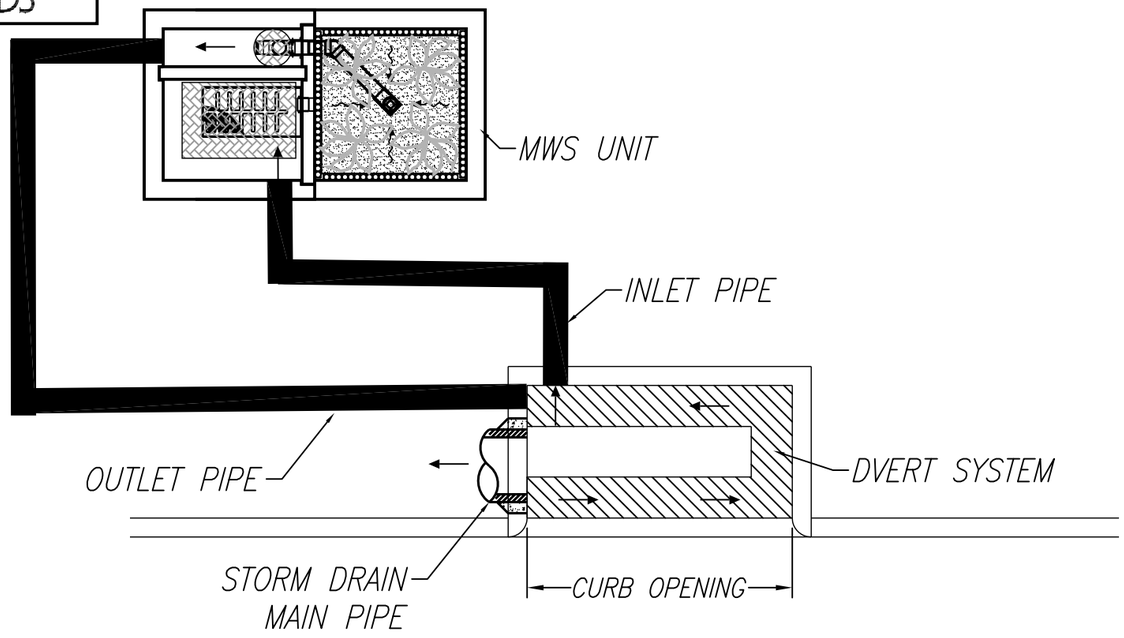
MODULAR WETLANDS

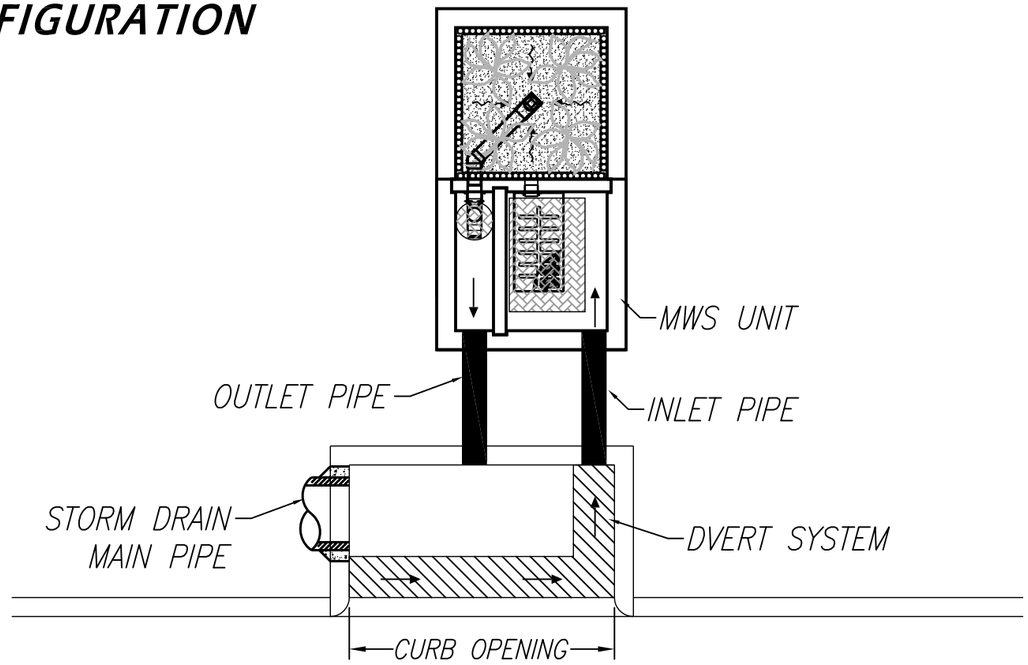
MWS-L-8-16-V

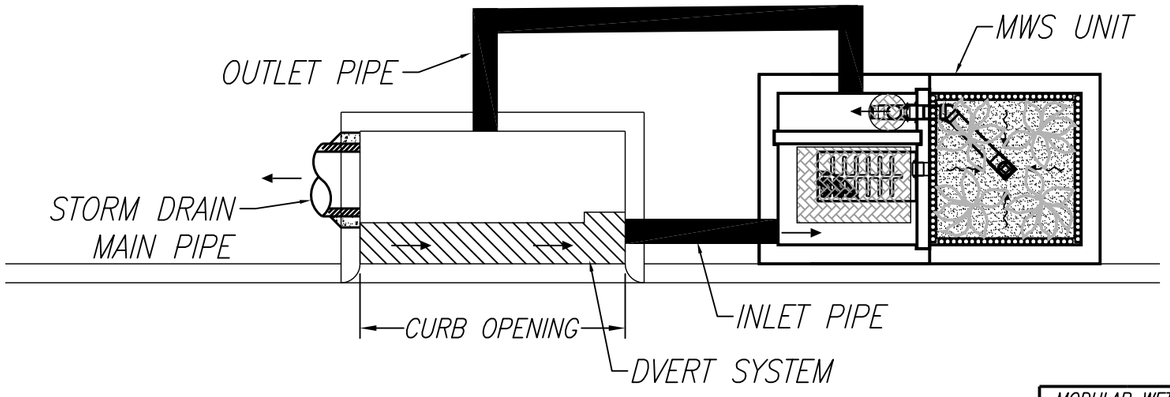
STORMWATER BIOFILTRATION SYSTEM

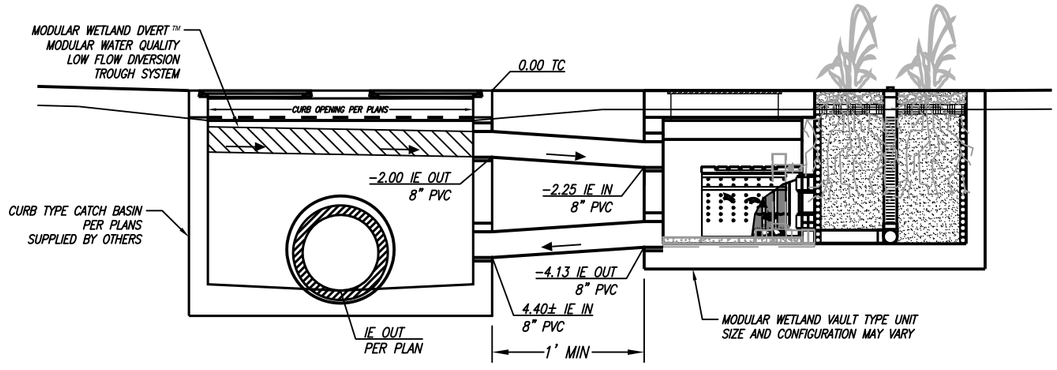
STANDARD DETAIL

MODULAR WETLAND SYSTEMS - LINEAR 2.0
STANDARD DVERT CONFIGURATION









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	NAME	DATE
DRAWN		
EDITED		

COMMENTS:

TITLE: MWS LINEAR 2.0 DVERT SETUP

SIZE	DWG. NO.	REV

SCALE NTS | UNITS = INCHES | SHEET 1 OF 1

SPECIFICATIONS

MWS – Linear

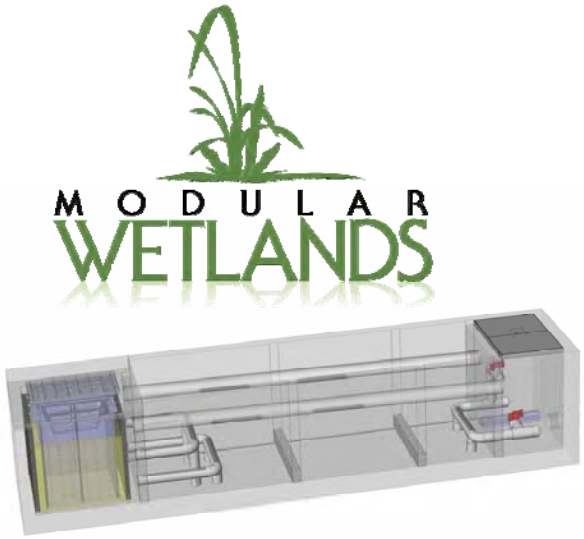
Hybrid Stormwater Filtration System

Modular Wetland Systems, Inc.
P.O. Box 869
Oceanside, CA 92049

www.modularwetlands.com
P 760-433-7640
F 760-433-3179

MWS – Linear

Hybrid Stormwater Filtration System



Save valuable space with small footprint for urban sites.

Improve BMP aesthetics with attractive native and tropical landscape plants.

Reduce lifetime costs with safer and less expensive maintenance

"The MWS – Linear hybrid stormwater treatment system is described as a self contained treatment train. This system utilizes an innovative combination of l treatment processes. Stormwater runoff flows into the system via pipe or curb/grate type catch basin opening. Polluted runoff first encounters a screening device to remove larger pollutants and then enters a hydrodynamic separation chamber which settles out the sediments and larger suspended solids. Next the runoff is treated by a revolutionary filter media, BioMediaGREEN that removes fines and associated pollutants, including bacteria. From there runoff enters of bioretention filter in the form of a subsurface flow vegetated gravel wetland. Within the wetland physical, chemical, and biological mechanisms remove the remaining particulate and dissolved pollutants. The purified runoff leaves the system via the discharge chamber. In the discharge chamber the rate of discharge is controlled by valves set to a desired rate".

Tested Pollutant Removal Efficiencies:

TSS Removal	Dissolved Lead Removal	Dissolved Copper Removal	TPH	E. coli Removal	Turbidity Removal
98%	81%	92%	99%	60.2%	92%

"Nature and Harmony Working Together in Perfect Harmony"

SPECIFICATIONS – MWS- LINEAR

Track Record: The MWS- Linear Hybrid Stormwater Treatment System is manufactured by a company whom is regularly engaged in the engineering design and production of treatment systems for stormwater.

Coverage: The MWS- Linear is designed to treat the water quality volume or water quality flow. For flow based design, high flow bypass is internal, for volume based design, high flow bypass is external and prior to pre-detention system. For offline volume based designs the MWS - Linear has the ability to treat the entire water quality volume when used with pre-storage and properly sized.

Non-Corrosive Materials: The MWS – Linear is designed with non-corrosive materials. All internal piping is SD35 PVC. Catch basin filter components, including mounting hardware, fasteners, support brackets, filtration material, and support frame are constructed of non-corrosive materials (316 stainless steel, and UV protected/marine grade fiberglass). Fasteners are stainless steel. Primary filter mesh is 316 stainless steel welded screens. Filtration basket screens for coarse, medium and fine filtration is ¾" x 1 ¾"expanded, 10 x 10 mesh, and 35 x 35 mesh, respectively. No polypropylene, monofilament netting or fabrics shall be used in this system. Media Protective Panels are constructed of UV protected/marine grade fiberglass. Mounts are constructed of stainless steel. BioMediaGREEN is an inert rock substrate and is non-corrosive. Perimeter filter structure is constructed of lightweight injection molded plastic. Mounting brackets are constructed of SD40 PVC and are mounted with 3/8" diameter stainless steel redheads. Drain down filter cover is constructed of UV protected/marine grade fiberglass and stainless steel hinge and mount.

Weight: Each complete unit weighs approximately 29,000 to 40,000 pounds and requires a boom crane to install. Details of this are provided in the installation section of the MWS-Linear Design Kit.

Transportation: The Modular Wetland System – Linear is designed to be transported on a standard flat bed truck. The unit easily fits on a flat bed truck without the need of special permitting.

Alternative Technology Configurations: The Modular Wetland System – Linear is modular is design. Each module will be up to 22 feet long and 5 feet wide. The system can be made in lengths varying from 13 to 100s of feet long. For lengths longer than 22 feet the system will shipped in modules and assembled on site. The Modular Wetland System – Linear has many alternative configurations. This allows the system to be adapted to many site conditions. Runoff can enter the system through a pipe, and/or a built in curb or grate type opening.

Energy Requirements: The Modular Wetland System – Linear is completely passive and requires no external energy sources.

Buoyancy Issues: Buoyancy is only a an issue when ground water levels rise above the bottom of the Modular Wetland System – Linear's concrete structure. With 8.5 cubic yards of wetland media there is no concern of floatation. As a precaution a footing can also be built into the systems concrete structure.

Durability: The structure of the box will be precast concrete. The concrete will be 28 day compressive strength fc = 5,000 psi. Steel reinforcing will be ASTM A – C857. Structure will support an H20 loading as indicted by AASHTO. The joint between the concrete sections will ship lap and joint sealed with ram-nek. Filter (excluding oil absorbent media) and support structures are of proven durability. The filter and mounting structures are of sufficient strength to support water, sediment, and debris loads when the filter is full, with no slippage, breaking, or tearing. All filters are warranted for a minimum of five (5) years.

Oil Absorbent Media: The MWS – Linear utilizes both physical and biological mechanisms to capture and filter oil and grease. A skimmer and boom system will be positioned on the internal perimeter of the catch basin insert. The primary filtration media, BioMediaGreen, utilized in the perimeter and drain down filters, has excellent hydrocarbon removal abilities. Within the wetland filter biological processes capture and

break down oil and grease. Much of the breakdown and transformation of oil and grease is performed by natural occurring bacteria.

Overflow Protection: The grate and curb type MWS – Linear are designed with an internal bypass consisting of two SD PVC pipes which direct high flows around the perimeter and wetland filter, directly into the discharge chamber. For the volume based vault type configuration, bypass should be located prior to the pre-detention system. For peak flows that exceed internal bypass capacity, external bypass is use.

Filter Bypass: Runoff will bypass filtration (BioMediaGREEN and wetland filter) components of the MWS - Linear. The system will still provide screening and settling during higher flow rates for internally bypassed flows. External bypass will bypass of treatment processes.

Pollutant Removal Efficiency: The MWS - Linear is capable of removing over 90% of the net annual total suspended solids (TSS) load based on a 20-micron particle size. Annual TSS removal efficiency models are based on documented removal efficiency performance from full-scale laboratory tests on BioMediaGreen and quarter-scale laboratory tests on the MWS – Linear flow based system.

POLLUTANT	REMOVAL EFFICIENCY
Trash & Litter	99%
TPH (mg/L)	99%
TSS (mg/L)	98%
E. Coli (MPN/100ml)	60%
Turbidity (NTU)	92%
Dissolved Metals (mg/L)	76%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

Non-Scouring: During heavy storm events the runoff bypasses perimeter and wetland filter components. The system will not re-suspend solids at design flows.

Uniqueness: The Modular Wetland System – Linear is a complete self contained treatment train that incorporates capture, screening, sedimentation, filtration, bioretention, high flow bypass, and flow control into a single modular structure. This system provides four stages of treatment making it the only 4 stage treatment train stormwater filtration system, therefore making it unique to the industry. Other systems do not incorporate all the necessary attributes to make it a complete stormwater management device as with the Modular Wetland System – Linear. Therefore, no equal exists for this system.

Pretreatment & Preconditioning: Since the Modular Wetland System – Linear is a complete capture and treatment train stormwater management system no external pretreatment of preconditioning is necessary.

SPECIFICATIONS – BioMediaGREEN

BioMediaGREEN is a proprietary engineered filter media. Made of a unique combination of the inert naturally occurring material this product is non-combustible and do not pose a fire hazard, stable and non-reactive, and is also biodegradable. It is stable with no known adverse environmental effects.

This product has been tested in long-term carcinogenicity studies [inhalation and intraperitoneal injection (i.p.)] with no significant increase in lung tumors or abdominal tumors. Short-term biopersistent (inhalation and intra-tracheal injection) studies have shown that the products disappear very rapidly from the lung.

In October 2001, IARC classified this product as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on the latest epidemiological studies and animal inhalation studies that show no relation between inhalation exposure and the development of tumors.

The product can typically be disposed of in an ordinary landfill (local regulations may apply). If you are unsure of the regulations, contact your local Public Health Department or the local office of the Environmental Protection Agency (EPA).

Coverage: When properly installed BioMediaGREEN Filter Blocks provide sufficient contact time, at rated flows, of passing contaminate water. The BioMediaGREEN material will capture and retain most pollutants that pass through it. The BioMediaGREEN material is made of a proprietary blend of inert substances. The BioMediaGREEN Filter Blocks can be used in different treatment devices, including but not limited to flume filters, trench drain filters, downspout filters, catch basin inserts, water polishing units, and hydrodynamic separators.

Non-Corrosive Materials: The BioMediaGreen material is made of non-corrosive materials.

Durability: The BioMediaGREEN material has been chosen for its proven durability, with an expected life of 2 plus years. The BioMediaGREEN material is of sufficient strength to support water, sediment, and debris loads when the media is at maximum flow; with no slippage, breaking, or tearing. The BioMediaGREEN material has been tested through rigorous flow and loading conditions.

Oil Absorbent Media: The BioMediaGREEN material has been proven to capture and retain hydrocarbons.

Pollutant Removal Efficiency: The BioMediaGREEN Filter Blocks are designed to capture high levels of Hydrocarbons including but not limited to oils & grease, gasoline, diesel, and PAHs. BioMediaGREEN Filter Blocks have the physical ability to block and filter trash and litter, grass and foliage, sediments, TSS, particulate and dissolved metals, nutrients, and bacteria.

BioMediaGREEN technology is based on a proprietary blend of synthetic inert natural substances aimed at removal of various stormwater pollutants. BioMediaGREEN was created to have a very porous structure capable of selectively removing pollutants while

allowing high flow through rates for water. As pollutants are captured by its structure, BioMediaGREEN captures most pollutants and maintains porosity and filtering capabilities.

Field and laboratory tests have confirmed the BioMediaGREEN capability to capture large percentage of TSS, hydrocarbons, nutrients, and heavy metals. Microbial reduction efficiency will vary depending on colony size, flow rates and site specific conditions.

POLLUTANT	REMOVAL EFFICIENCY
Oil & Grease (mg/L)	90%
TPH (mg/L)	99%
TSS (mg/L)	85%
Turbidity (NTU)	99%
Total Phosphorus (mg/L)	69.6%
Dissolved Metals (mg/L)	75.6%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

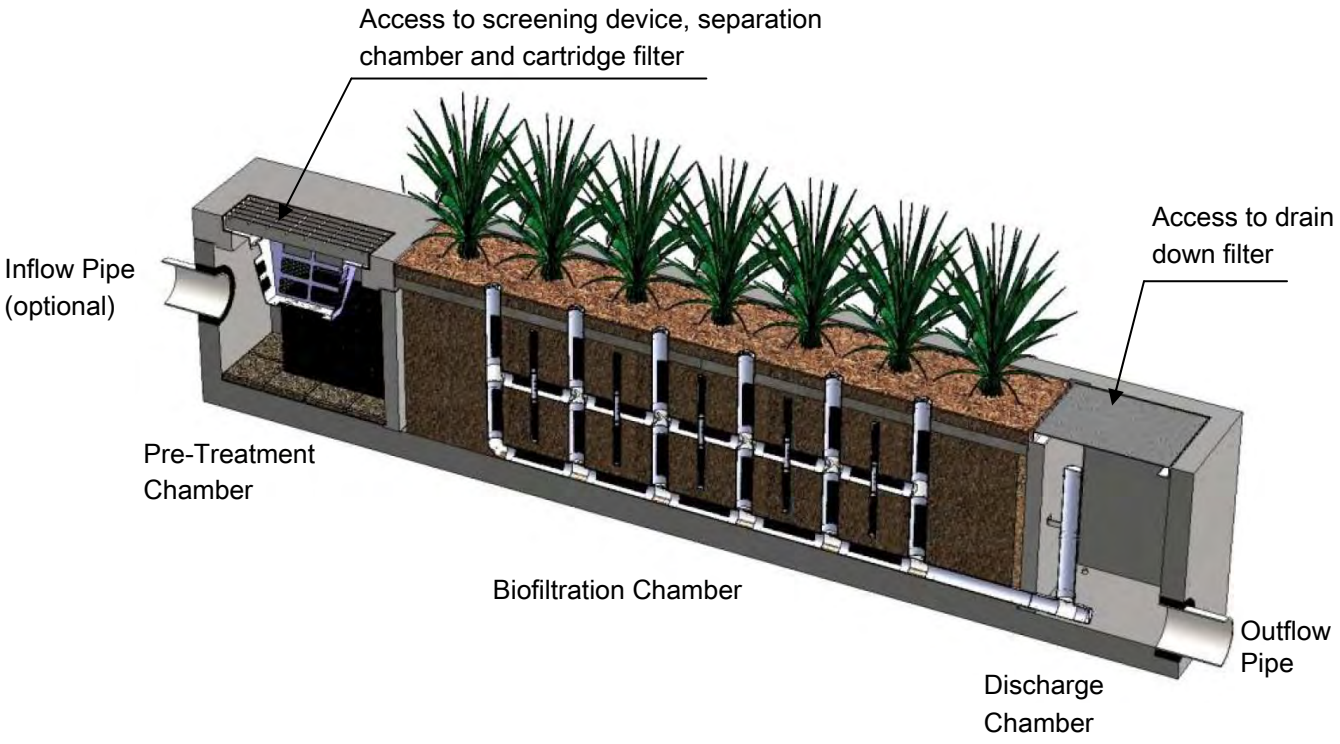
Replacement: Removal and replacement of the blocks is simple. Remove blocks from filtration system. Replace with new block of equal size.

Maintenance Guidelines for Modular Wetland System - Linear

Maintenance Summary

- Remove Trash from Screening Device – average maintenance interval is 6 to 12 months.
  - (*5 minute average service time*).
- Remove Sediment from Separation Chamber – average maintenance interval is 12 to 24 months.
  - (*10 minute average service time*).
- Replace Cartridge Filter Media – average maintenance interval 12 to 24 months.
  - (*10-15 minute per cartridge average service time*).
- Replace Drain Down Filter Media – average maintenance interval is 12 to 24 months.
  - (*5 minute average service time*).
- Trim Vegetation – average maintenance interval is 6 to 12 months.
  - (*Service time varies*).

System Diagram



Maintenance Procedures

Screening Device

1. Remove grate or manhole cover to gain access to the screening device in the Pre-Treatment Chamber. Vault type units do not have screening device. Maintenance can be performed without entry.
2. Remove all pollutants collected by the screening device. Removal can be done manually or with the use of a vacuum truck. The hose of the vacuum truck will not damage the screening device.
3. Screening device can easily be removed from the Pre-Treatment Chamber to gain access to separation chamber and media filters below. Replace grate or manhole cover when completed.

Separation Chamber

1. Perform maintenance procedures of screening device listed above before maintaining the separation chamber.
2. With a pressure washer spray down pollutants accumulated on walls and cartridge filters.
3. Vacuum out Separation Chamber and remove all accumulated pollutants. Replace screening device, grate or manhole cover when completed.

Cartridge Filters

1. Perform maintenance procedures on screening device and separation chamber before maintaining cartridge filters.
2. Enter separation chamber.
3. Unscrew the two bolts holding the lid on each cartridge filter and remove lid.
4. Remove each of 4 to 8 media cages holding the media in place.
5. Spray down the cartridge filter to remove any accumulated pollutants.
6. Vacuum out old media and accumulated pollutants.
7. Reinstall media cages and fill with new media from manufacturer or outside supplier. Manufacturer will provide specification of media and sources to purchase.
8. Replace the lid and tighten down bolts. Replace screening device, grate or manhole cover when completed.

Drain Down Filter

1. Remove hatch or manhole cover over discharge chamber and enter chamber.
2. Unlock and lift drain down filter housing and remove old media block. Replace with new media block. Lower drain down filter housing and lock into place.
3. Exit chamber and replace hatch or manhole cover.

Maintenance Notes

1. Following maintenance and/or inspection, it is recommended the maintenance operator prepare a maintenance/inspection record. The record should include any maintenance activities performed, amount and description of debris collected, and condition of the system and its various filter mechanisms.

2. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time.

3. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.

4. Entry into chambers may require confined space training based on state and local regulations.

5. No fertilizer shall be used in the Biofiltration Chamber.

6. Irrigation should be provided as recommended by manufacturer and/or landscape architect. Amount of irrigation required is dependent on plant species. Some plants may require irrigation.

Maintenance Procedure Illustration

Screening Device

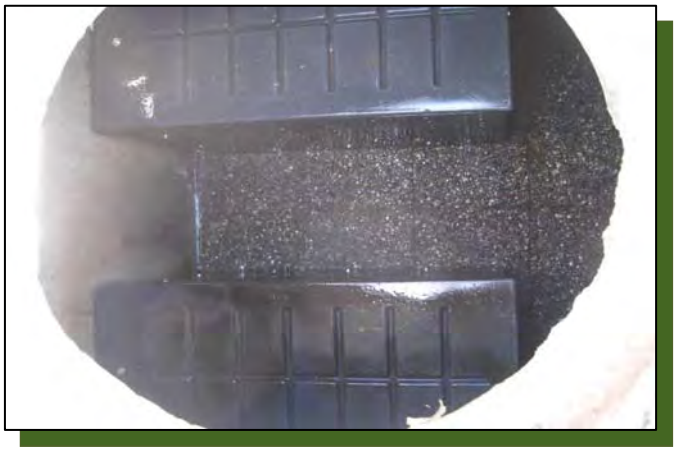
The screening device is located directly under the manhole or grate over the Pre-Treatment Chamber. It's mounted directly underneath for easy access and cleaning. Device can be cleaned by hand or with a vacuum truck.

Separation Chamber

The separation chamber is located directly beneath the screening device. It can be quickly cleaned using a vacuum truck or by hand. A pressure washer is useful to assist in the cleaning process.

Cartridge Filters

The cartridge filters are located in the Pre-Treatment chamber connected to the wall adjacent to the biofiltration chamber. The cartridges have removable tops to access the individual media filters. Once the cartridge is open media can be easily removed and replaced by hand or a vacuum truck.



Drain Down Filter

The drain down filter is located in the Discharge Chamber. The drain filter unlocks from the wall mount and hinges up. Remove filter block and replace with new block.

Trim Vegetation

Vegetation should be maintained in the same manner as surrounding vegetation and trimmed as needed. No fertilizer shall be used on the plants. Irrigation per the recommendation of the manufacturer and or landscape architect. Different types of vegetation requires different amounts of irrigation.

Inspection Form

Modular Wetland System, Inc.
P. 760.433-7640
F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Inspection Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Inspection Checklist

Modular Wetland System Type (Curb, Grate or UG Vault): _____ Size (22', 14' or etc.): _____

Structural Integrity:	**Yes**	**No**	**Comments**
Damage to pre-treatment access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Damage to discharge chamber access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Does the MWS unit show signs of structural deterioration (cracks in the wall, damage to frame)?			
Is the inlet/outlet pipe or drain down pipe damaged or otherwise not functioning properly?			
Working Condition:			
Is there evidence of illicit discharge or excessive oil, grease, or other automobile fluids entering and clogging the unit?			
Is there standing water in inappropriate areas after a dry period?			
Is the filter insert (if applicable) at capacity and/or is there an accumulation of debris/trash on the shelf system?			
Does the depth of sediment/trash/debris suggest a blockage of the inflow pipe, bypass or cartridge filter? If yes, specify which one in the comments section. Note depth of accumulation in in pre-treatment chamber.			Depth:
Does the cartridge filter media need replacement in pre-treatment chamber and/or discharge chamber?			Chamber:
Any signs of improper functioning in the discharge chamber? Note issues in comments section.			
Other Inspection Items:			
Is there an accumulation of sediment/trash/debris in the wetland media (if applicable)?			
Is it evident that the plants are alive and healthy (if applicable)? Please note Plant Information below.			
Is there a septic or foul odor coming from inside the system?			

Waste:	**Yes**	**No**
Sediment / Silt / Clay		
Trash / Bags / Bottles		
Green Waste / Leaves / Foliage		

Recommended Maintenance	
No Cleaning Needed	
Schedule Maintenance as Planned	
Needs Immediate Maintenance	

Plant Information	
Damage to Plants	
Plant Replacement	
Plant Trimming	

Additional Notes: _____

2972 San Luis Rey Road, Oceanside, CA 92058 P (760) 433-7640 F (760) 433-3176

Maintenance Report

Modular Wetland System, Inc.
P. 760.433-7640
F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Cleaning and Maintenance Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Site Map #	GPS Coordinates of Insert	Manufacturer / Description / Sizing	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Total Debris Accumulation	Condition of Media 25/50/75/100 (will be changed @ 75%)	Operational Per Manufactures' Specifications (If not, why?)
	Lat: Long:	MWS Catch Basins						
		MWS Sedimentation Basin						
		Media Filter Condition						
		Plant Condition						
		Drain Down Media Condition						
		Discharge Chamber Condition						
		Drain Down Pipe Condition						
		Inlet and Outlet Pipe Condition						

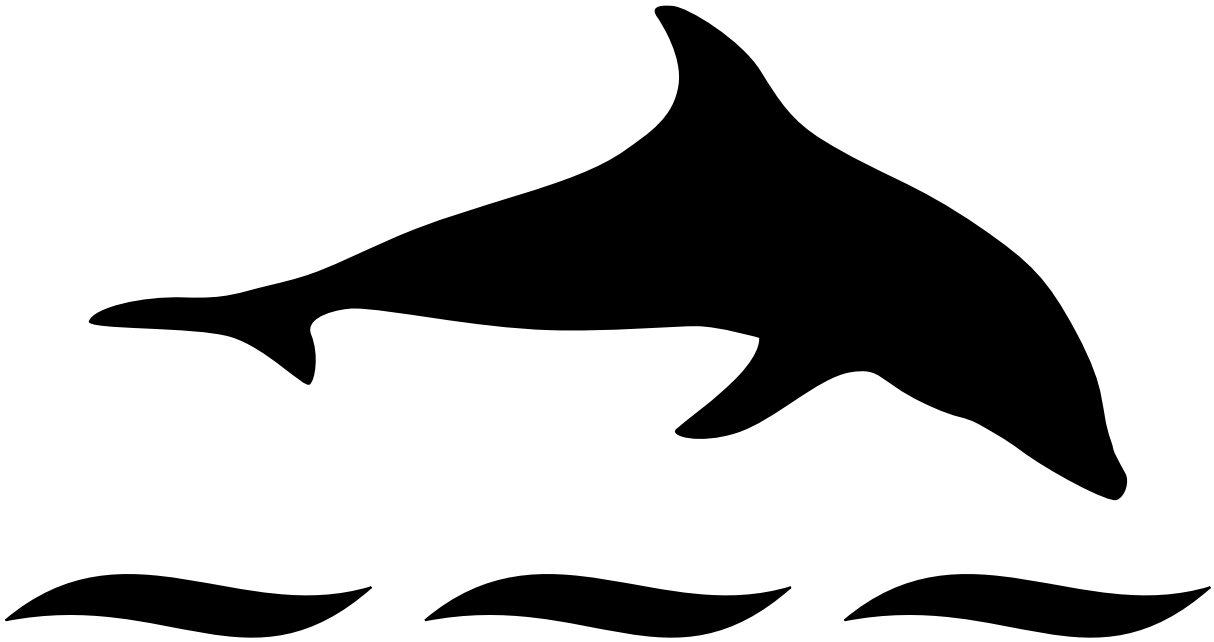
Comments:

2972 San Luis Rey Road, Oceanside, CA 92058 P. 760.433.7640 F. 760.433.3176

Appendix D:
"NO DUMPING – DRAINS TO OCEAN" Stencil Examples

Sample Stencil 1

NO DUMPING



DRAINS TO OCEAN

Sample Stencil 2

Appendix E:
Catch Basin Cleaning

OPERATION & MAINTENANCE PLAN
FOR FILTER INSERT

The maintenance program will include the following key components:

1. **REGULAR SWEEPING AND REMOVAL OF DEBRIS:**
   Vehicle parking lot will be swept on a regular basis. Sediment and debris (litter, leaves, papers and cans, etc.) within the area, especially around the drainage inlet, will be collected and removed. The frequency of sweeping will be based on the amount of sediment and debris generated.

2. **REGULAR INSPECTIONS:**
   The catch basin, downspout, or trench drain filter insert will be inspected on a regular basis. The frequency of inspection will be based on pollutant loading, amount of debris, leaves, etc., and amount of runoff. At a minimum, there will be three inspections per year.

3. **CONDUCT OF THE VISUAL INSPECTION:**
   a. Broom sweep around the inlet and remove the inlet grate.
   b. Inspect the filter liner for serviceability. If called for, the filter body will be replaced.
   c. Check the condition of the adsorbent pouches and visually check the condition of the enclosed adsorbent. If the surface of the granules is more than 50% coated with a dark gray or black substance, the pouches will be replaced with new ones.
   d. Check for loose or missing nuts (on some models) and gaps between the filter and the inlet wall, which would allow bypass of the filter during low flows.
   e. The filter components will be replaced in the inlet and the grate replaced.

4. **CLEANING OUT THE FILTER INSERT:**
   Regardless of the model of filter insert, the devices must be cleaned out on a recurring basis. The manufacturer recommends at least three cleanings per year – more in high exposure areas. For the Flo-Gard+Plus filters, the filter must be cleaned when the solids level reaches close to the fullel tip.
   a. The Standard Filter, in most cases, can be cleaned out by removing the device from the inlet and dumping the contents into a DOT approved drum for later disposal. If the oil-absorbant pouches need to be changed, the time to change them is immediately after dumping and before the filter is replaced in the inlet.
   b. Because of weight, method of installation and so forth, some filter inserts will be cleaned with the aid of a vactor truck. If necessary, the oil-absorbant pouches will be changed after the pollutants have been removed and as the filter is being returned to service.

5. **MAINTENANCE LOG:**
   Keep a log of all inspections and maintenance performed on the catch basins, trench drains, and filter inserts. Keep this log on-site.

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

Appendix F:
General Education Materials

To be provided during final engineering

Appendix G:
Operation and Maintenance Plan

To be provided during final engineering

Appendix H:
Geotechnical Investigation

ALTA CALIFORNIA
GEOTECHNICAL INC.

170 North Maple Street, Suite 108
Corona, CA 92880
www.altageotechnical.com

CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, California 92612

May 6, 2019
Project No. 1-0286

Attention: Ms. Kim Prijatel

Subject: **GEOTECHNICAL INVESTIGATION**
930 West Compton Boulevard
City of Compton, California.

References: See Appendix A

Dear Ms. Prijatel:

Presented herein is Alta California Geotechnical, Inc.'s (Alta) geotechnical investigation report for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing and review of the referenced reports.

Also included in this report are:

- Discussion of the site geotechnical conditions;
- Recommendations for remedial and site grading, including unsuitable soil removals;
- Geotechnical site construction recommendations;
- Preliminary foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

FERNANDO RUIZ
Civil Engineering Associate

JAMES B. COYNE
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Reviewed By:

SCOTT A. ~~GRAY/RGE 2857~~
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Certified Engineering Geologist
Vice President

Distribution: (1) Addressee
SAG: TJC: FR: JC: 1-0286, May 6, 2019 (Prelim Geo Investigation, 930 W Compton Blvd)

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APPENDIX F: EARTHWORK SPECIFICATIONS
APPENDIX G: GRADING DETAILS

1.0 INTRODUCTION

The following report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. The property is depicted on the enclosed Plate 1. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Review of the referenced literature, maps, reports and aerial photos (Appendix A);
- Site geologic mapping;
- Excavating, logging, and sampling five (5) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B);
- Conducting laboratory testing on samples obtained during our investigation (Appendix C);
- Performing an infiltration study on an additional boring, five (5) feet in depth, to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal;
- Conducting a liquefaction analysis;
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading, import soil, foundations and utilities;
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Existing Conditions

The property consists of a rectangular-shaped, 2.45± -acre parcel located at 930 West Compton Boulevard, in the City of Compton, California. Currently, the site is a vacant lot and is relatively flat. The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue.

A review of aerial photos (Historic Aerials, 2019) indicates that the lot was vacant up until the 1970s where it was graded for the construction of a hospital. The hospital was demolished around 2004 and the lot has remained vacant since.

2.2 Proposed Development

It is our understanding that site will be developed into a residential development to support 24 homes with associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements. Design cuts and fills onsite are anticipated to be five feet or less.

3.0 SITE INVESTIGATION

3.1 Current Subsurface Investigation

Alta conducted a subsurface investigation on April 18, 2019 consisting of the excavation, logging and select sampling of five (5) hollow-stem auger borings up to a maximum depth of 51.5 feet below the existing ground surface and the installation of one (1) five-foot deep well for infiltration testing. The locations of the exploratory excavations are shown on Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the site may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using one, five (5) foot-deep boring (P-1) as shown on Plate 1. The testing was performed on April 19, 2019 in general conformance with the County of Los Angeles for WQMP. The test well was presoaked for 24 hours prior to testing and the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate for P-1 is 0.13 inches per hour, with no factor of safety, as summarized in Table 3-1. Recommendations for infiltration BMP design are presented in Section 6.3.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)	
Test Designation	P-1
Approximate Depth of Test	5.0 ft
Final Time Interval	30 minutes
Radius of Test Hole	4 inches
Tested Infiltration Rate	0.13 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where major right-lateral active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on Alta's review of geologic literature and our subsurface investigation, the project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

4.2.1 Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

4.2.2 Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill which consist of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff and medium

dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings and Bryant (2010) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework the site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which the site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward to the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the Santa Ana sub-block, which is bound on the east by the Whittier-Elsinore fault zone and on the west by Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the onsite sediments are of Quaternary age, and are not fractured, folded, or faulted.

4.4 Groundwater

Groundwater was not encountered to a depth of 51.5 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is ten (10) feet below the ground surface (CDMG, 1998).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles south west of the Puente Hills fault zone, 9.1 miles north 0f the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

4.5.2 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

Seismic design parameters using soil profile types identified in the 2016 California Building Code are presented in Section 7.3.

4.5.3 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically-induced ground shaking.

Groundwater was not encountered during our subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow-stem auger borings and laboratory test results to analyze the liquefaction

potential of the young Quaternary alluvium. A description of Alta's analysis and calculations are presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking.

- **Loss of Bearing:**

  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**

  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  There were no layers within 32 feet of the existing ground surface with $(N1)_{60}$ values less than 15 that are susceptible to liquefaction. As such, it is our opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

- **Settlement:**

  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand

particles. Our liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1.

- **Flow Failure:**

  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

4.5.4 Dry Sand Settlement

Dry sand settlement is the process of settlement of the ground surface during a seismic event in sand layers. Based on the remedial grading recommendations, the density and fines content of the underlying young alluvium, dry sand settlement is not anticipated to be a significant constraint.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) and in-place moisture/density results are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigation, it is our opinion that the majority of the onsite materials possess favorable excavation characteristics such that conventional earthmoving equipment can be utilized.

5.1.2 Compressibility

The onsite artificial fill and upper portions of the young alluvium are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the artificial fill and upper portions of young alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B. These soils may need to be dried or mixed with drier materials before placing them as engineered fill, as noted in Section 6.2.6.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, and/or irregular loading patterns.

Based on our laboratory testing (Appendix C), the potential for hydro-collapse onsite is minimal and should be within foundation tolerances upon the completion of the recommended unsuitable soils removals.

5.1.5 Expansion Potential

Expansion index testing was performed on a sample taken during our subsurface investigation. Based on the results, it is anticipated that the

majority of materials onsite are "medium" to "high" in expansion potential (51≤EI≤130, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Artificial Fill/Young Quaternary Alluvium	Shrink 4% to 6%	5%

5.1.7 Chemical Analyses

Chemical testing was performed on a sample of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Class S0) per ACI 318-14.

Negligible chloride levels were detected in the onsite soils (Appendix C). Resistivity testing conducted as part of this investigation, indicates that the soils are "severely corrosive" to buried metals (per Romanoff, 1989). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Compton criteria.

6.1.1 Site Preparation

Vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Los Angeles Department of Health Services.

Existing concrete from the demolition of the hospital should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a

maximum size of six (6) inches. Prior to placement as engineered fill, any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

6.1.2 Unsuitable Soil Removals

The artificial fill and the upper portions of the young alluvium are compressible and as such, are not suitable to support the proposed structures. Therefore, it is anticipated that, on average, the upper three (3) to six (6) feet of existing soils will require removal and recompaction, extending a minimum of five (5) feet horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet of natural soils is recommended (all artificial fill should be removed and recompacted). For cuts greater than two (2) feet in street areas, removals are not required. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils such as undocumented artificial fill are exposed upon the completion of the removals recommended above, additional removals may be required.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type equipment.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater will not be encountered during construction. It is possible that perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of the compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Types "B" and "C" per OSHA standards. Upon completion of the recommended removals and re-compaction, the artificial fill will be classified as Soil Type "B". It is anticipated that perched water will not be encountered during excavation. The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

6.2.10 Backcut Stability

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary instability, either on or offsite, further restrictions such as slot cutting, extending work days, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Storm Water Infiltration Systems

Municipalities have been increasing the requirement for onsite storm water infiltration, rather than allowing water to enter storm drain systems. From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rate for P-1 was calculated to be 0.13-inches per hour, at approximately 5-feet below the existing ground surface. The results do not include a factor of safety. Given the characteristics of the underlying soil, in our opinion, deeper testing would not result in higher rates.

Groundwater was not encountered during our subsurface investigation at a depth of 51.5 feet below the existing ground surface. The historic-high groundwater is 10 feet below the ground surface (CDMG, 1998).

Given the low infiltration rate, high in-situ moisture content and fine-grained nature of the underlying soil, infiltration WQMP systems are likely not feasible at the subject site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.4 Boundary Conditions

The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue. Construction of retaining/screen walls in these areas may require additional

geotechnical recommendations concerning unsuitable soil removals and foundation design parameters as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story, wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess "medium" to "high" expansion potential when tested in general accordance with ASTM Test Method D: 4829. Due to the expansion potential, it is anticipated that post-tensioned slabs will be utilized for the project.

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement - 0.5 inches in 40 feet Dynamic Settlement - 0.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-3. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2016 CBC.

TABLE 7-3
POST-TENSION SLAB DESIGN PARAMETERS

Category	Expansion Potential	Minimum Embedment*	Edge Lift		Center Lift	
			Em (ft)	Ym (inch)	Em (ft)	Ym (inch)
II	Medium	18 inches	5.0	1.10	9.0	0.46
III	High	24 inches	4.5	1.58	9.0	0.65
Slab Subgrade Moisture						
Category II	Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete					
Category III	Minimum 130% of optimum moisture to a depth of 18 inches prior to pouring concrete					
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, the minimum embedment depths can be reduced to 12-inches for Category II and 18-inches for Category III.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic

membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site has been identified as "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the project are presented on Figure 1. These parameters should be verified by the structural engineer. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

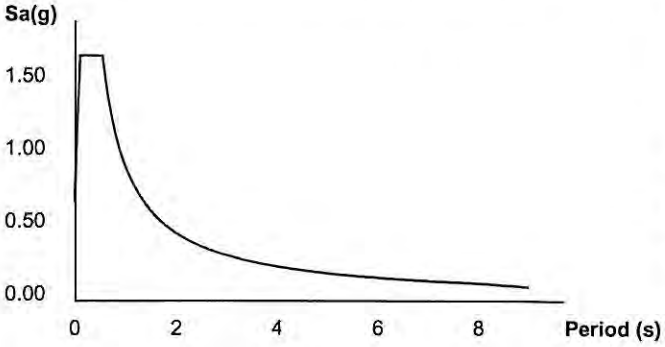
7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

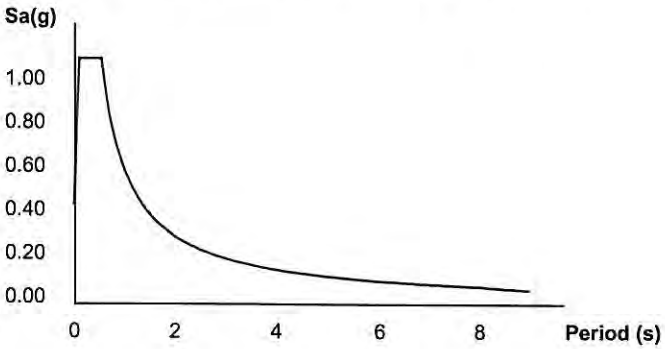
Search Information

Address:	930 W Compton Blvd, Compton, CA 90220, USA
Coordinates:	33.895486, -118.24094000000002
Elevation:	83 ft
Timestamp:	2019-04-30T19:17:15.204Z
Hazard Type:	Seismic
Reference Document:	ASCE7-10
Risk Category:	II
Site Class:	D

MCER Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S_S	1.682	MCE_R ground motion (period=0.2s)
S_1	0.616	MCE_R ground motion (period=1.0s)
S_{MS}	1.682	Site-modified spectral acceleration value
S_{M1}	0.924	Site-modified spectral acceleration value
S_{DS}	1.122	Numeric seismic design value at 0.2s SA
S_{D1}	0.616	Numeric seismic design value at 1.0s SA

▾Additional Information

Name	Value	Description
SDC	D	Seismic design category
F_a	1	Site amplification factor at 0.2s
F_v	1.5	Site amplification factor at 1.0s
CR_S	0.986	Coefficient of risk (0.2s)
CR_1	1.002	Coefficient of risk (1.0s)
PGA	0.623	MCE_G peak ground acceleration
F_{PGA}	1	Site amplification factor at PGA

FIGURE 1

7.6 Retaining Wall Design

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Based on the fine-grained nature of the soils onsite, it is anticipated suitable free-draining backfill material will need to be imported to the site. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-3 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-3
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2016 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $21H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2016 CBC.

- Restrained retaining walls should be designed for "at-rest" conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case by case basis.

7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

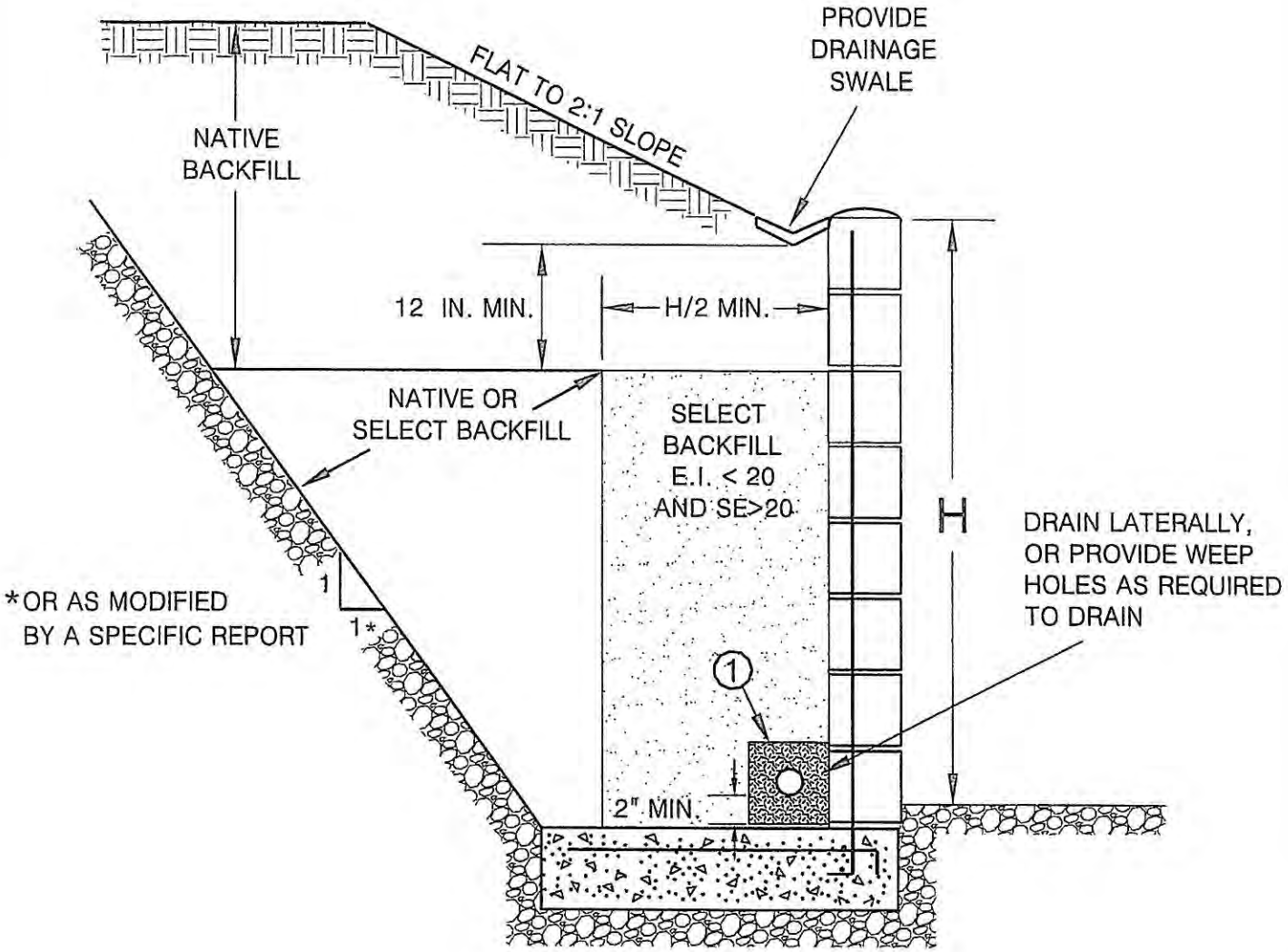
7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 120 percent of optimum moisture (medium expansion) or a

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

minimum of 130 percent of optimum moisture (high expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as medium in expansion potential with possible amounts of high expansive soil. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium or high expansive soils. Given the expansion potential, consideration should be given to reinforcing concrete flatwork with a minimum of 6x6-W1.4xW1.4 welded wire mesh.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils. Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 10, the pavement may be designed utilizing the sections presented in Table 7-4. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Compton's purview.

Table 7-4 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 10-inch AB	4-inch AC on 7-inch AB
5.5	3-inch AC on 11-inch AB	4-inch AC on 8.5-inch AB
6.0	3.5-inch AC on 11.5-inch AB	4-inch AC on 10.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Compton. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. The following recommendations should be implemented.

8.1 Lot Drainage

Roof, pad and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Owners should be made aware that they are responsible for maintenance and cleaning of

all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Residents or owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this

report. If the project description or final design varies from that described herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling five (5) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate locations of the exploratory excavations are shown on Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Ring Samples 2. Bulk Samples	1. Ring-Select Depths 2. Bulk-Select Depths

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200 | 40 | 10 | 4

CLEAR SQUARE SIEVE OPENINGS: 3/4" | 3" | 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	Sieve Analysis
SA	Maximum Density
MAX	Resistance (R) Value
RV	Expansion Index
EI	Sand Equivalent
SE	Atterberg Limits
AL	Chemical Analysis
CHEM	Hydrometer Analysis
HY	

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @ 0.5 ft. dark brown, moist.				
	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 3.5 ft. brown.	19.7	102	84	
5		R	38		ML	@ 5.0 ft. CLAYEY SILT, light tan brown to brown, moist, very stiff, trace gravel up to 1/4" in diameter.	20.0	104	89	
	75	R	38			@ 7.5 ft. brown.	18.3	111	99	
10		R	53			@ 10.0 ft. brown w/ mottled light tan.	19.0	108	94	
	70									
15		R	36			@ 15.0 ft. light brown.	16.3	103	72	
					CL	@ 16.0 ft. SILTY CLAY, brown w/light tan mottling, very stiff, few gravel up to 3/4" in diameter.				
	65									
20		R	42		ML	@ 20.0 ft. CLAYEY SILT, light brown tan, moist, very stiff.	21.8	102	94	
	60									
25		S	6,8,10			25.0 ft. brown.				
	55									
30		S	5,8,11							
	50									
35		S	8,10,13							
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	11,17,18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya); Continued: @ 41.0 ft. SILTY CLAY, brown, moist, very stiff.				
40										
45		S	18,21,30		SP	@ 45.0 ft. SAND, fine to medium grained, white tan, slightly moist, very dense.				
35										
50		S	21,33,37			@ 50.0 ft. moist.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
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Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry stiff, w/roots, few gravel up to 1/2" in diameter. @ 0.5 ft. dark brown, moist, concrete cobbles up to 7" in diameter.				
	80	R	16				14.3	116	89	
		B								
5		R	34		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	13.0	120	92	
	75									
10		R	71		ML	@ 10.0 ft. CLAYEY SILT w/SAND, white/orange brown, moist, very stiff.	12.0	120	84	HY, AL
	70									
15		R	38			@ 15.0 ft. slightly moist, brown.	21.3	105	99	
	65									
20		R	35			@ 20.0 ft. light orange brown, moist, stiff.	18.9	105	86	
	60									
25		S	5,9,12							
	55									
30		S	6,7,13		ML	@ 30.0 ft. SILT, light brown, moist, stiff, few clay.				
	50									
35		S	7,13,20			@ 35.0 trace gravel up to 1/4" in diameter.				
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	15,15,15		SC	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; CLAYEY SAND, brown, moist, very stiff.				
40										
45		S	10,10,15		ML	@ 45.0 CLAYEY SILT, brown, moist, very stiff. @ 46.5 ft. gray brown.				
35										
50		S	5,10,12			TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
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Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80	R	13				16.1	110	84	
5		R	22		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY w/SAND, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	17.6	112	98	CON, HY
	75	R	80			@ 7.5 ft. brown w/tan mottling.	15.3	112	84	CON, HY
					ML	@ 8.5 ft. CLAYEY SILT, tan, moist, very stiff.				
10		R	60			@ 10.0 ft. light brown w/tan mottling.	13.3	120	92	
	70									
15		R	19				18.6	103	82	
	65									
20		R	24			@ 20.0 ft. brown w/orange mottling.	19.9	105	91	
	60									
25		S	6,8,10		CL	@ 25.0 ft. SILTY CLAY, brown, moist, stiff.				HY, AL
	55									
30		S	7,7,10							
	50									
35		S	9,15,14		ML	@ 35.0 ft. CLAYEY SILT, brown, w/orange mottling, moist, very stiff.				
	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	10,10,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, stiff, few clay.				
					SP	@ 41.5 ft. SAND, fine to medium grained, light brown, medium dense, few silt.				
	40									
45		S	19,31,25							
	35									
50		S	3,6,10		ML	@ 50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
0	83	B			CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist, concrete cobbles up to 1' in diameter				MAX, EI, HY, CHEM
5	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown, moist, stiff, trace gravel up to 1/4" in diameter.	16.1	114	95	
10	75	R	38		ML	@ 10.0 ft. CLAYEY SILT, light tan, moist, very stiff.	18.1	102	77	
15	70	R	31			@ 15.0 ft. brown, very stiff.	23.1	100	95	
20	65	R	26		CL	@ 20.0 ft. SILTY CLAY, brown w/orange mottling, moist, very stiff.	18.4	107	89	
25	60	S	3,7,9			@ 25.0 ft. stiff.				
30	55	S	4,6,9			@ 30.0 ft. trace gravel up to 1/4" in diameter.				
35	50	S	9,14,16		ML	@ 35.0 ft. CLAYEY SILT, brown, moist, very stiff.				
45	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	13,15,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, very stiff, fine grained sand.				
	40									
45		S	13,17,21			@ 45.0 ft. more sand.				
	35									
50		S	3,6,10		ML	@50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- [R] RING (DRIVE) SAMPLE
- [S] SPT (SPLIT SPOON) SAMPLE
- [B] BULK SAMPLE [T] TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter.				
	80					@0.5 ft. dark brown, moist.				
5		R	15		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): CLAYEY SILT, light tan, slightly moist, stiff.	11.6	105	53	
	75									
10		R	58			@ 10.0 ft. light brown.	18.7	106	88	
	70									
15		R	33			@ 15.0 ft. brown w/tan mottling, very stiff.	21.7	104	97	
	65									
20		R	33				19.7	105	90	
	60				ML	@ 21.0 ft. SILT, orange brown, moist, very stiff.				
25		S	5,6,9		ML	@ 25.0 ft. CLAYEY SILT, brown, moist, stiff.				
	55									
30		S	5,7,9			@ 30.0 ft. orange brown.				
	50									
35		S	7,11,14							
	45					Continued.				

SAMPLE TYPES:
R RING (DRIVE) SAMPLE
S SPT (SPLIT SPOON) SAMPLE
B BULK SAMPLE T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	4,6,14		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown w/orange mottling, moist, stiff, few clay.				
40										
45		S	6,8,12		CL	@ 45.0 ft. SILTY CLAY, brown, moist, stiff.				
35										
50		S	7,10,13		ML	@ 50.0 ft. CLAYEY SILT, brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
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S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	P-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80									
					CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 4.0 ft. brown.				
5						TOTAL DEPTH 5.0 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-6

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk sample was evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively "undisturbed" soil samples at their natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

compression to the original 1-inch height. The consolidation test results are shown on Plates C-1 and C-2.

Atterberg Limits

Atterberg limit testing of two samples was performed by Alta. The results of these tests are presented on Table C.

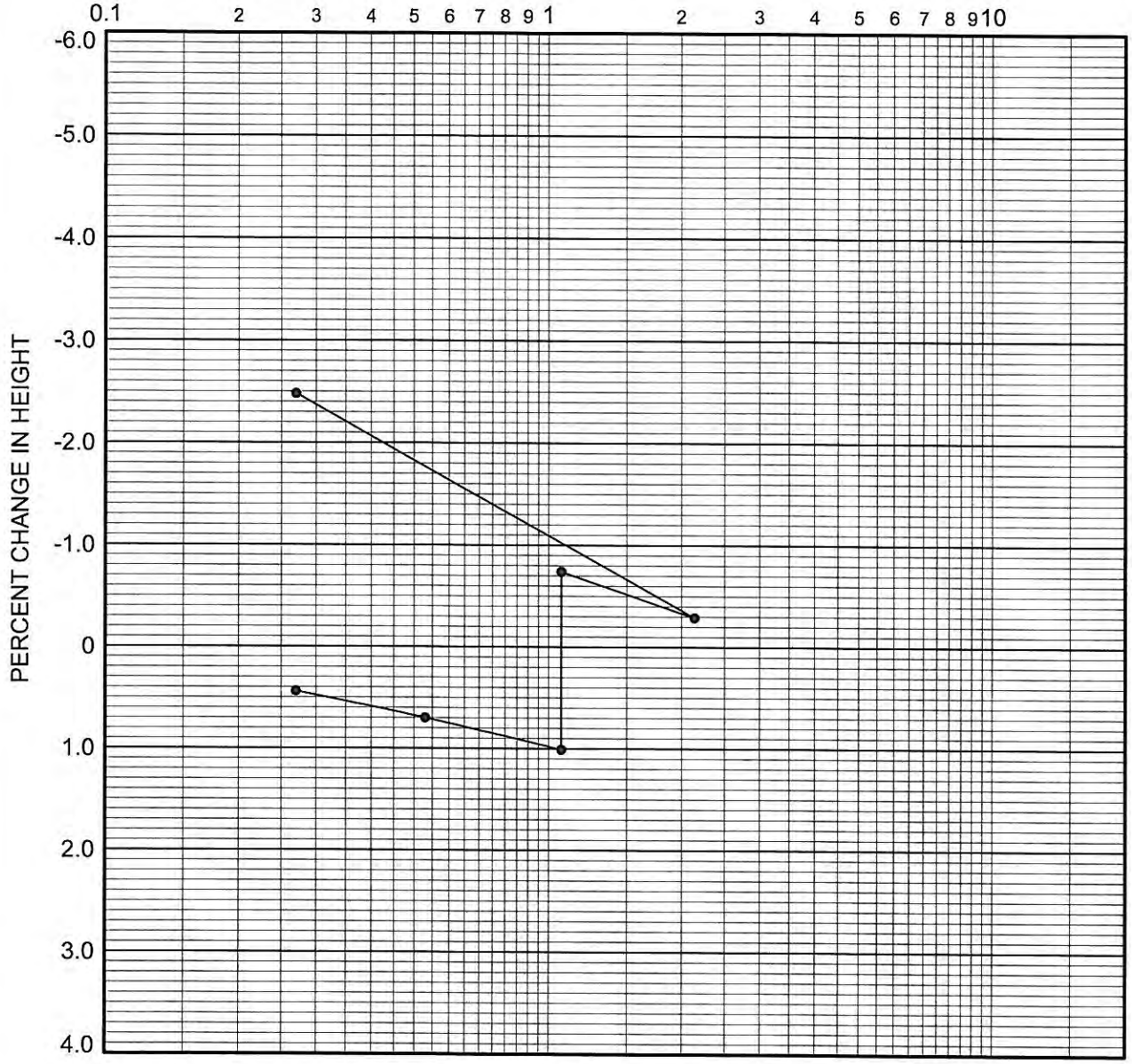
Chemical Analyses

Chemical testing of selected samples was performed by Alta. The results of these tests are presented in Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0286

Boring/Pit No.	Depth (Feet)	Soil Description	Group Symbol - Unified Soil Classification System	Maximum Dry Density		Direct Shear	Grain Size Analysis				Expansion Index	Sulfate Content (%)	Consolidation	Other Tests Remarks
				Maximum Density (pcf)	Optimum Moisture (%)		Gravel (% + No. 4 Screen)	% Sand	%Silt (0.074 to 0.005mm)	% Clay (-0.005 mm)				
B-2	10	Clayey Silt w/Sand (Qya)	ML				0	26	41	33				LL=31 PL=18 PI=13
B-3	5	Silty Clay w/Sand (Qya)	CL				0	32	28	40			See Plate C-1	
B-3	7.5	Silty Clay (Qya)	CL				1	17	40	42			See Plate C-2	
B-3	25	Silty Clay (Qya)	CL				0	4	43	53				LL=47 PL=26 PI=21
B-4	2-5	Silty Clay w/Sand (af)	CL	122.9	12.3		1	23	37	39	83	ND		Min. Resistivity - 950 OHM-CM Chloride - 10ppm PH - 7.4

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	5.0	112	17.6	98	68	CL	Silty Clay w/Sand (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

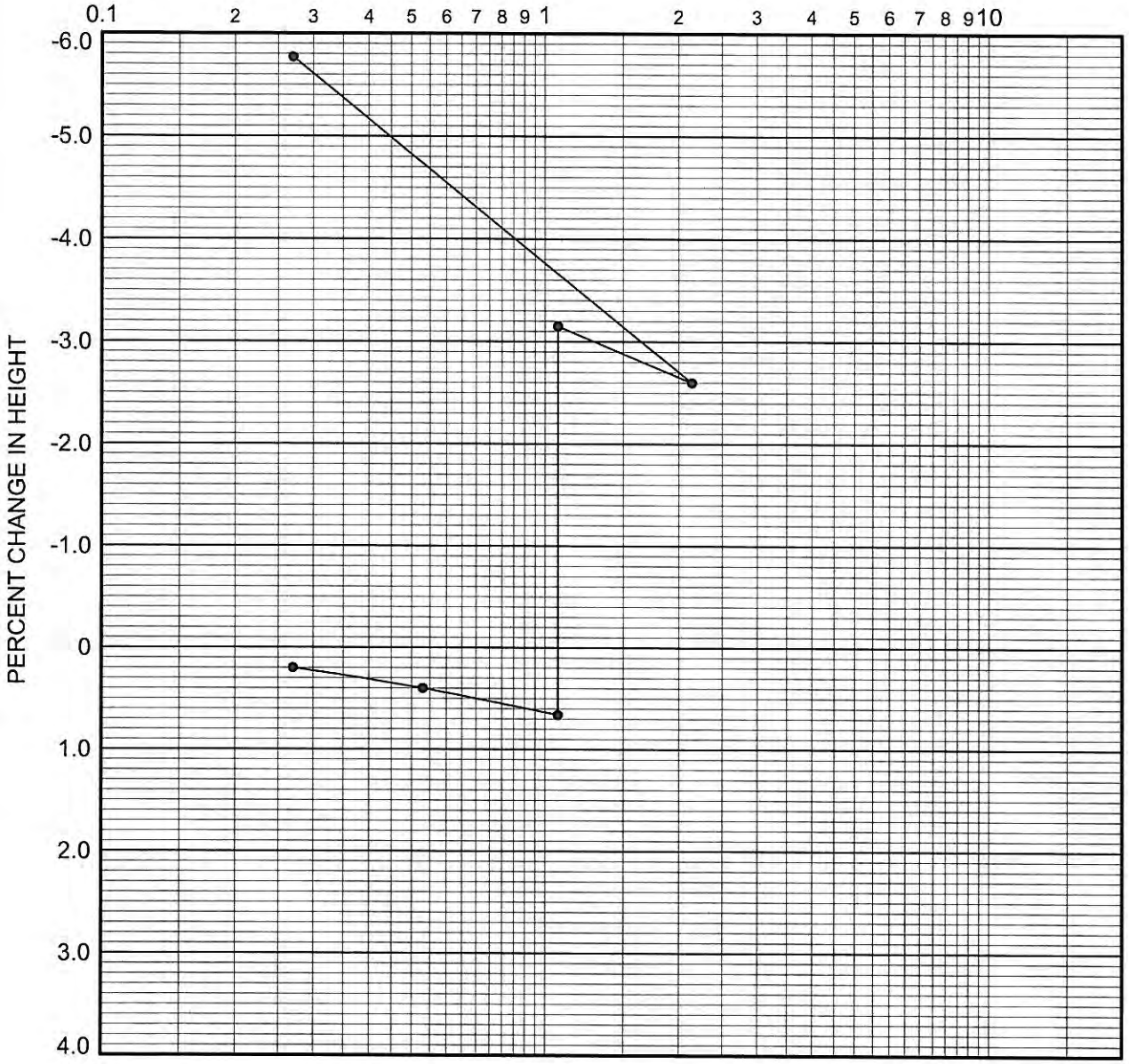
CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-1

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	7.5	112	15.3	84	82	CL	Silty Clay (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-2

Appendix D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

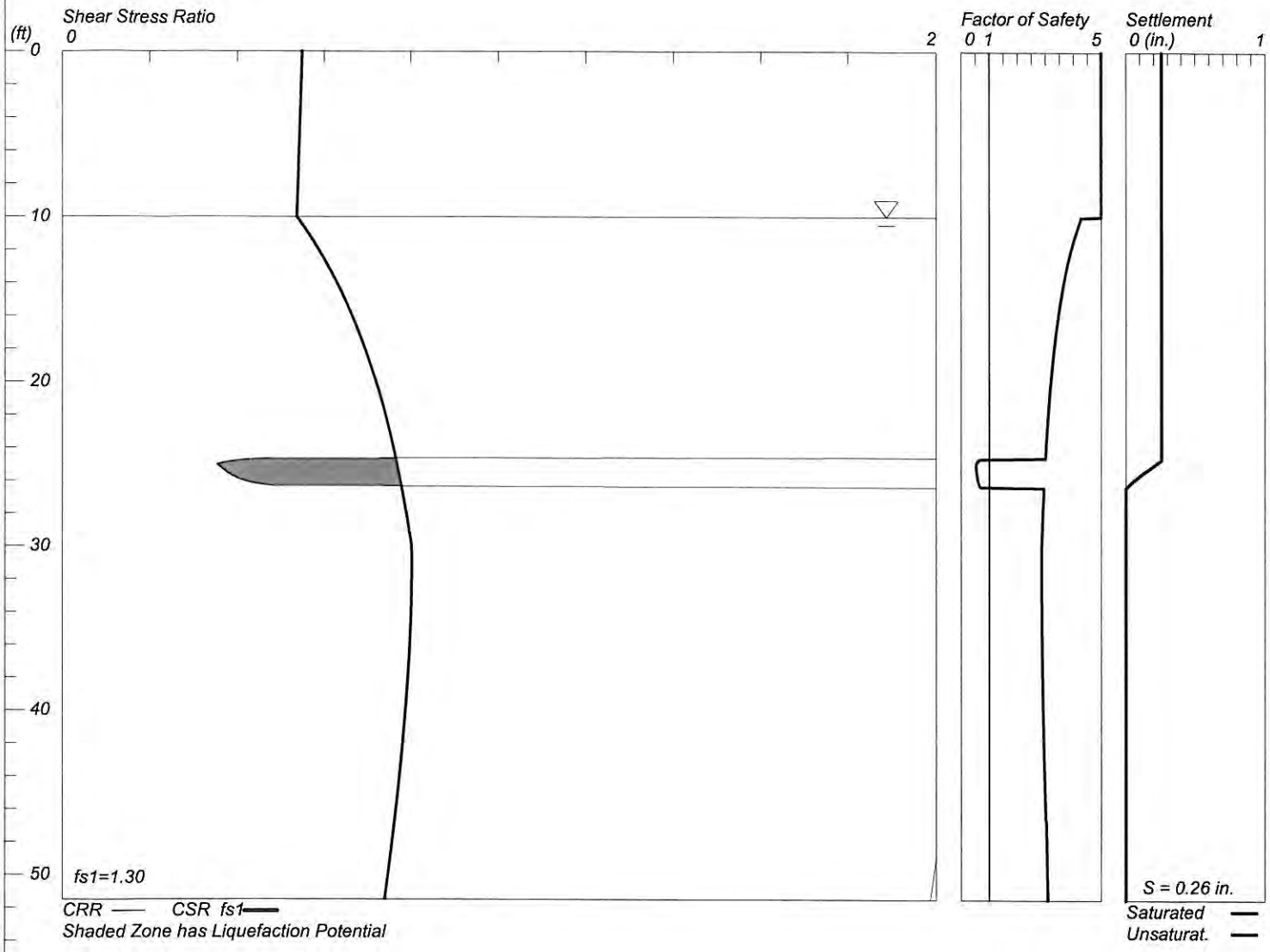
A liquefaction analysis was performed for the site based on SPT data gained from the hollow stem auger drilling. The Ishihara/Yoshimine method to analyze dynamic settlement for the SPT data. The calculations used the following constants: 0.65g for site acceleration, 7.1 for the magnitude of the earthquake, and a groundwater depth of 10 feet below existing grade. A factor of safety of 1.3 was utilized. The results are presented on Plate D-1 through D-5.

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-1 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



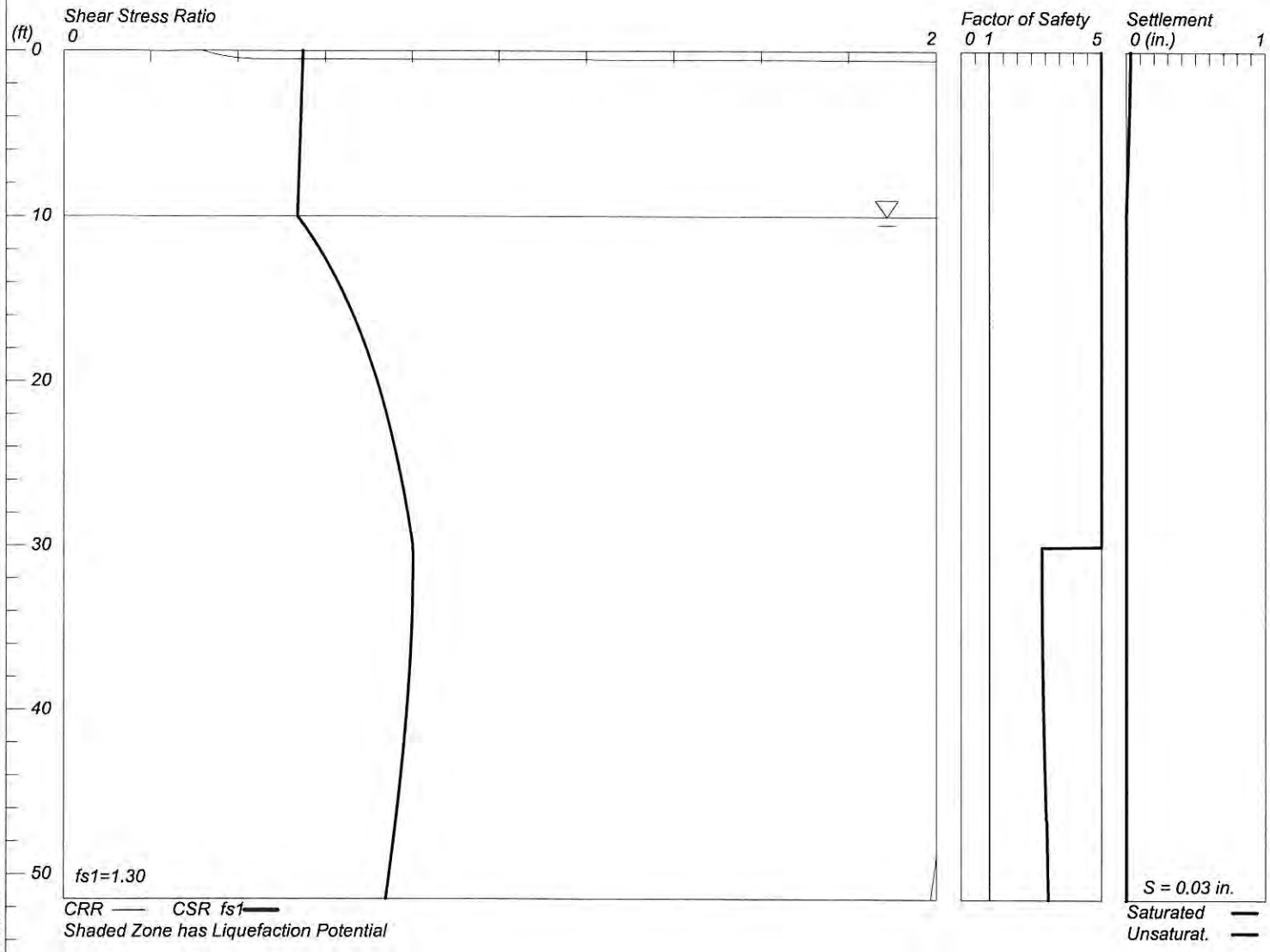
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-2 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



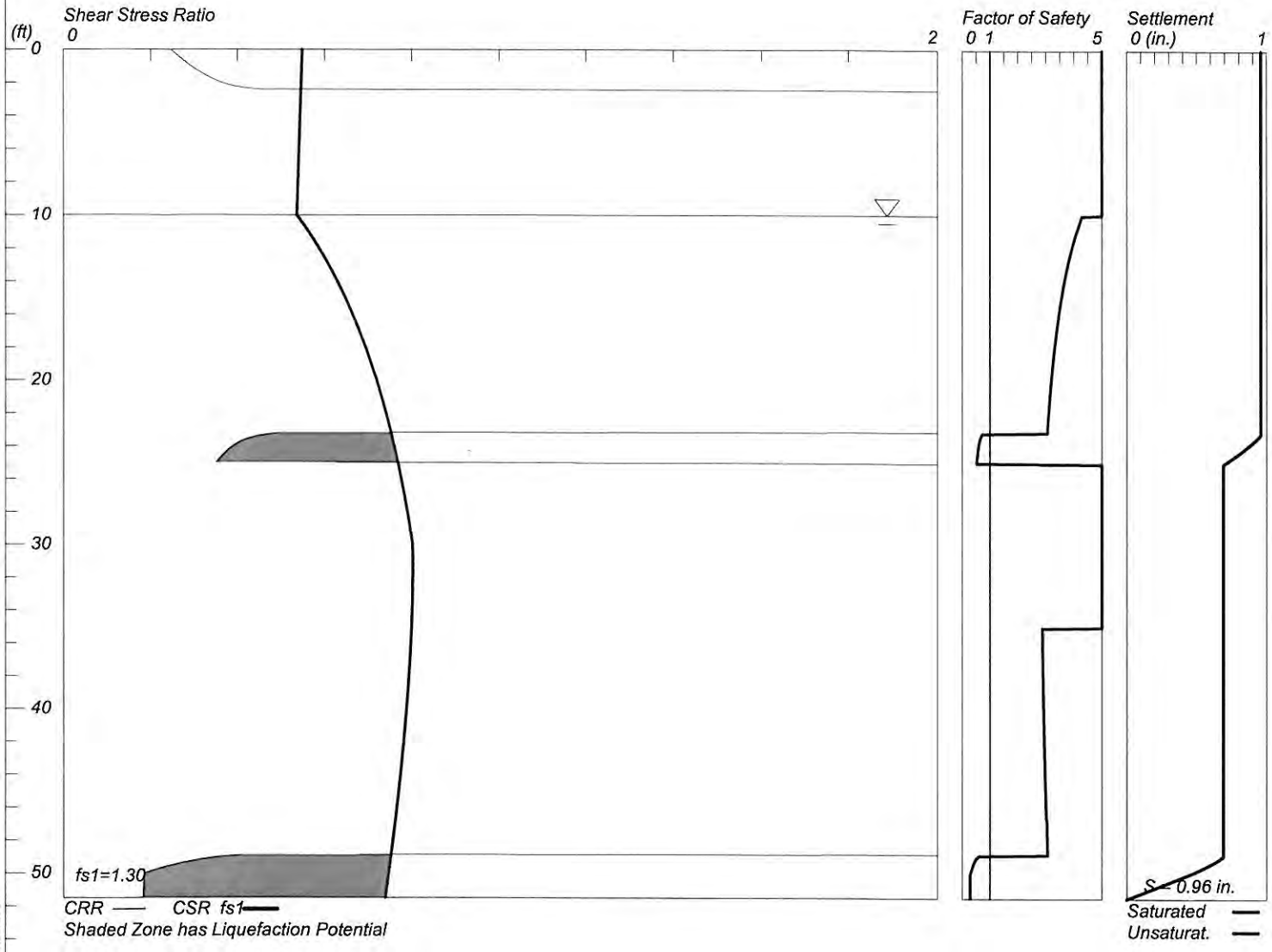
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-3 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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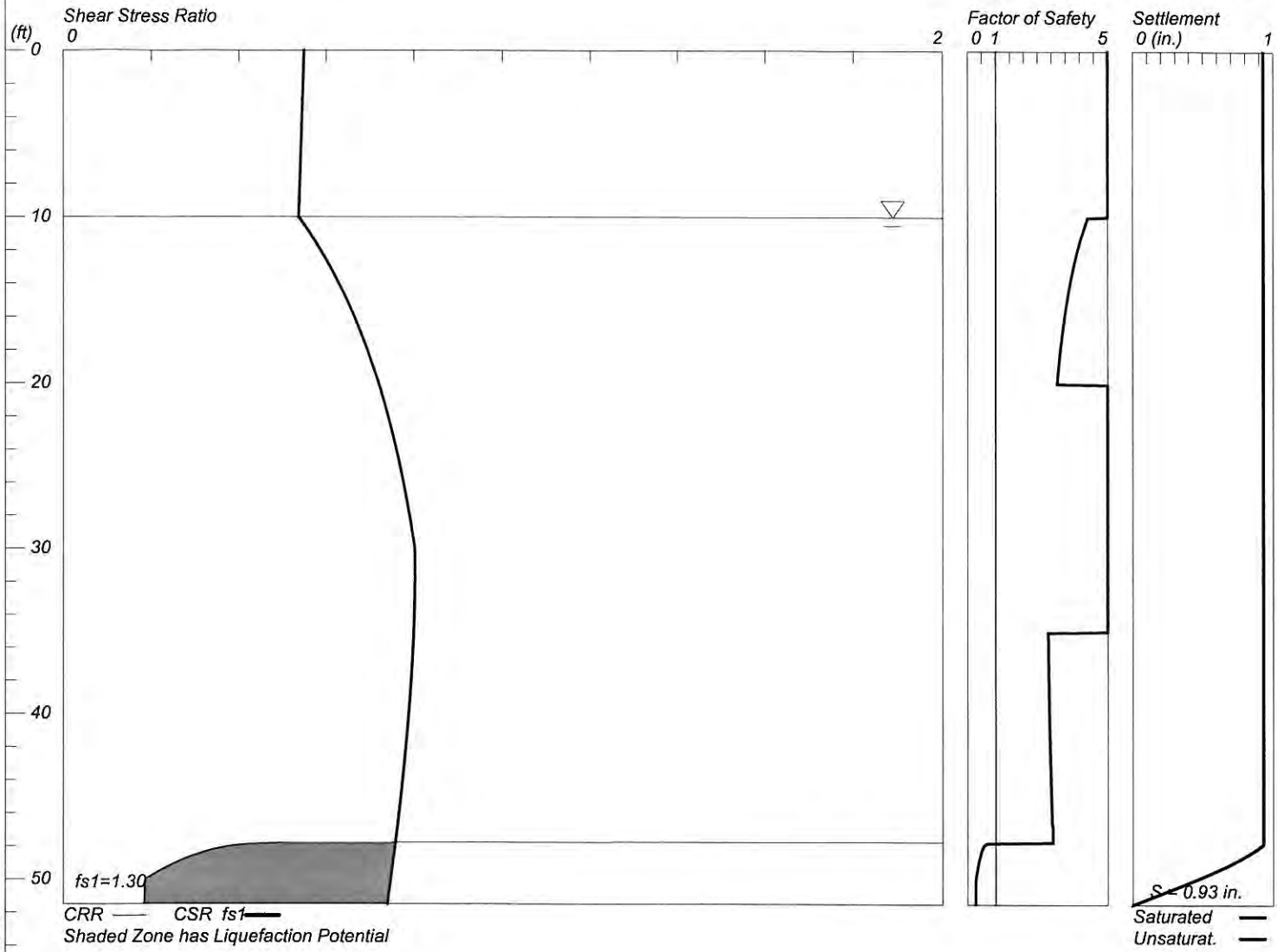
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-4 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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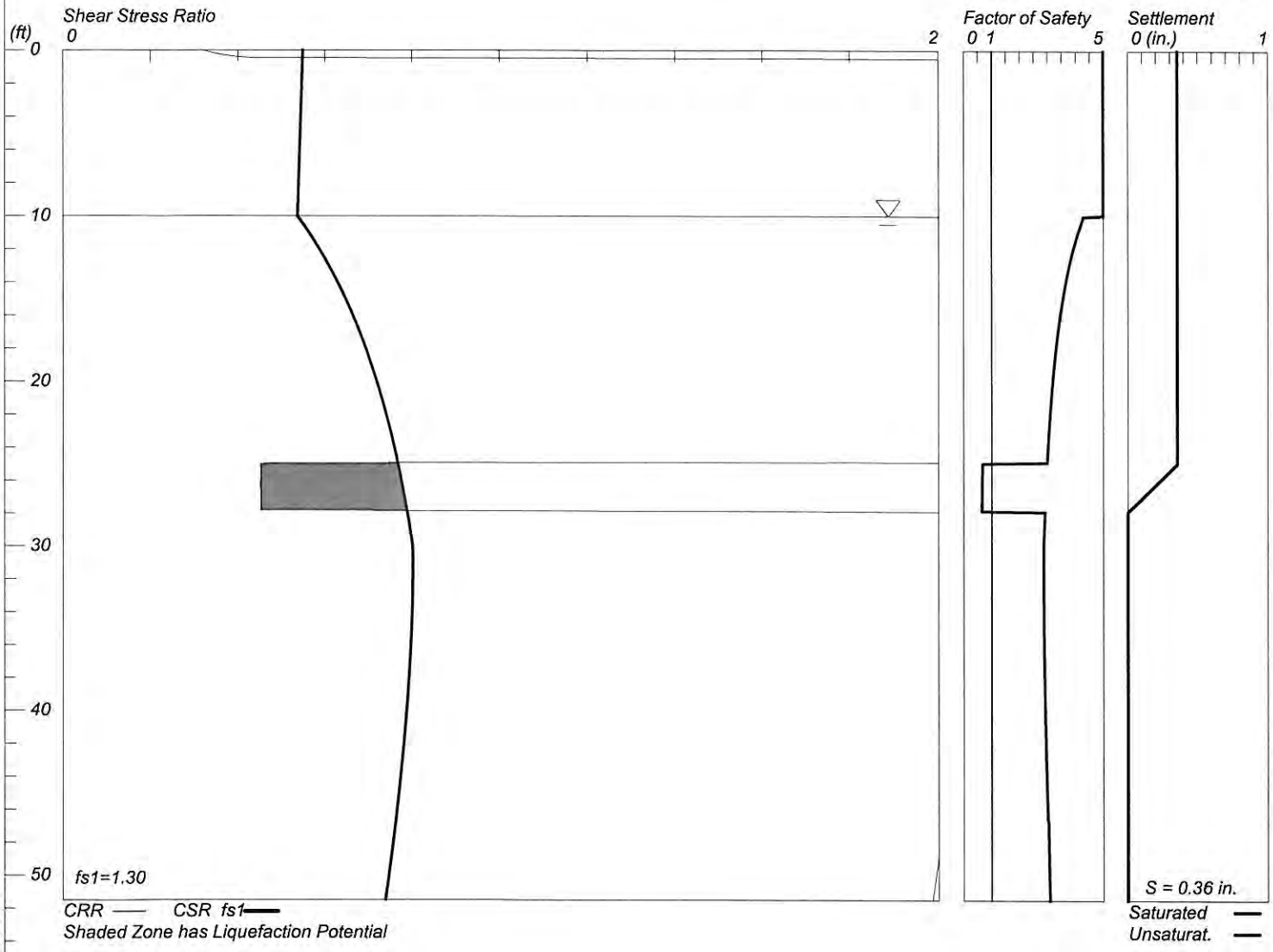
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-5 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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APPENDIX E

Maintenance Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.
- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. **ENGINEERED FILLS**

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. **FINISHED SLOPES**

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

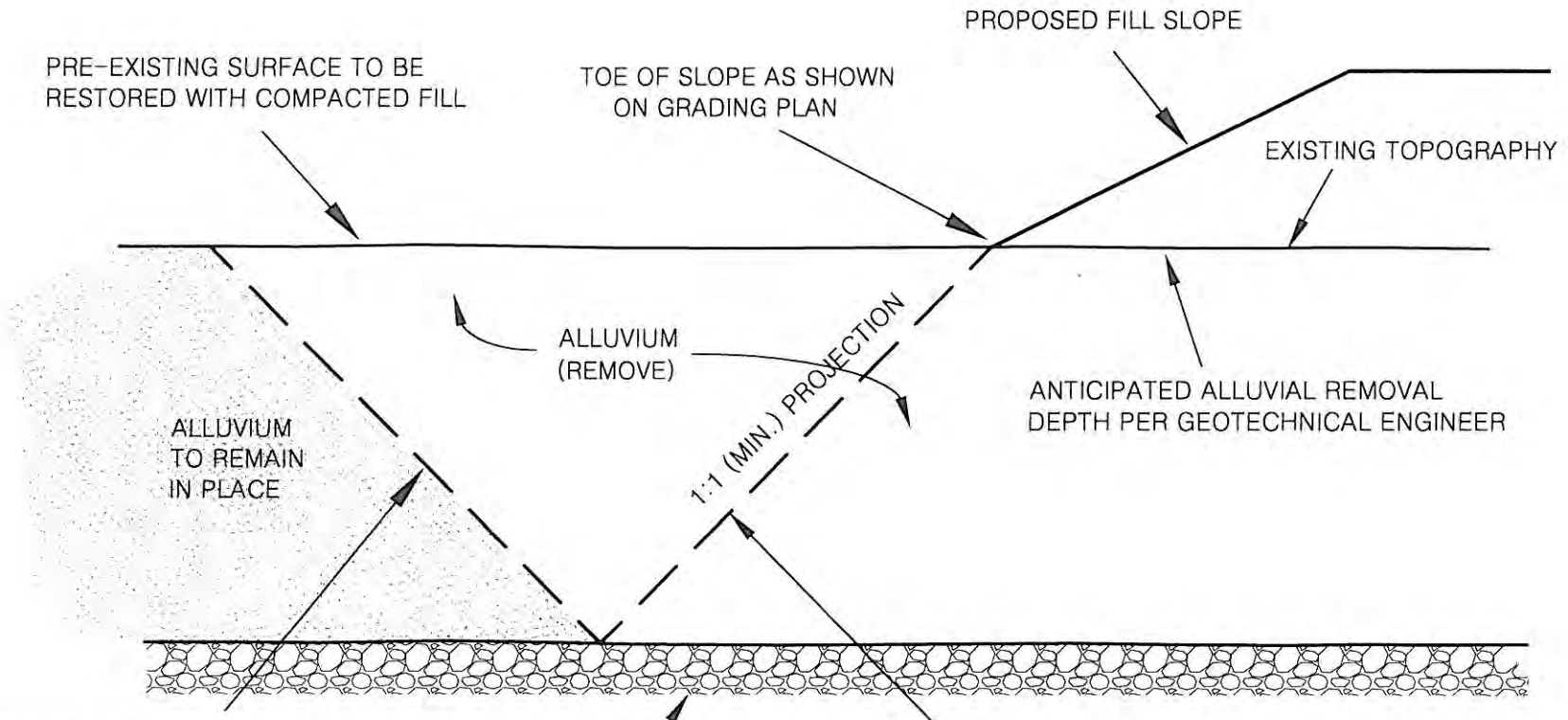

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PLATE G-1

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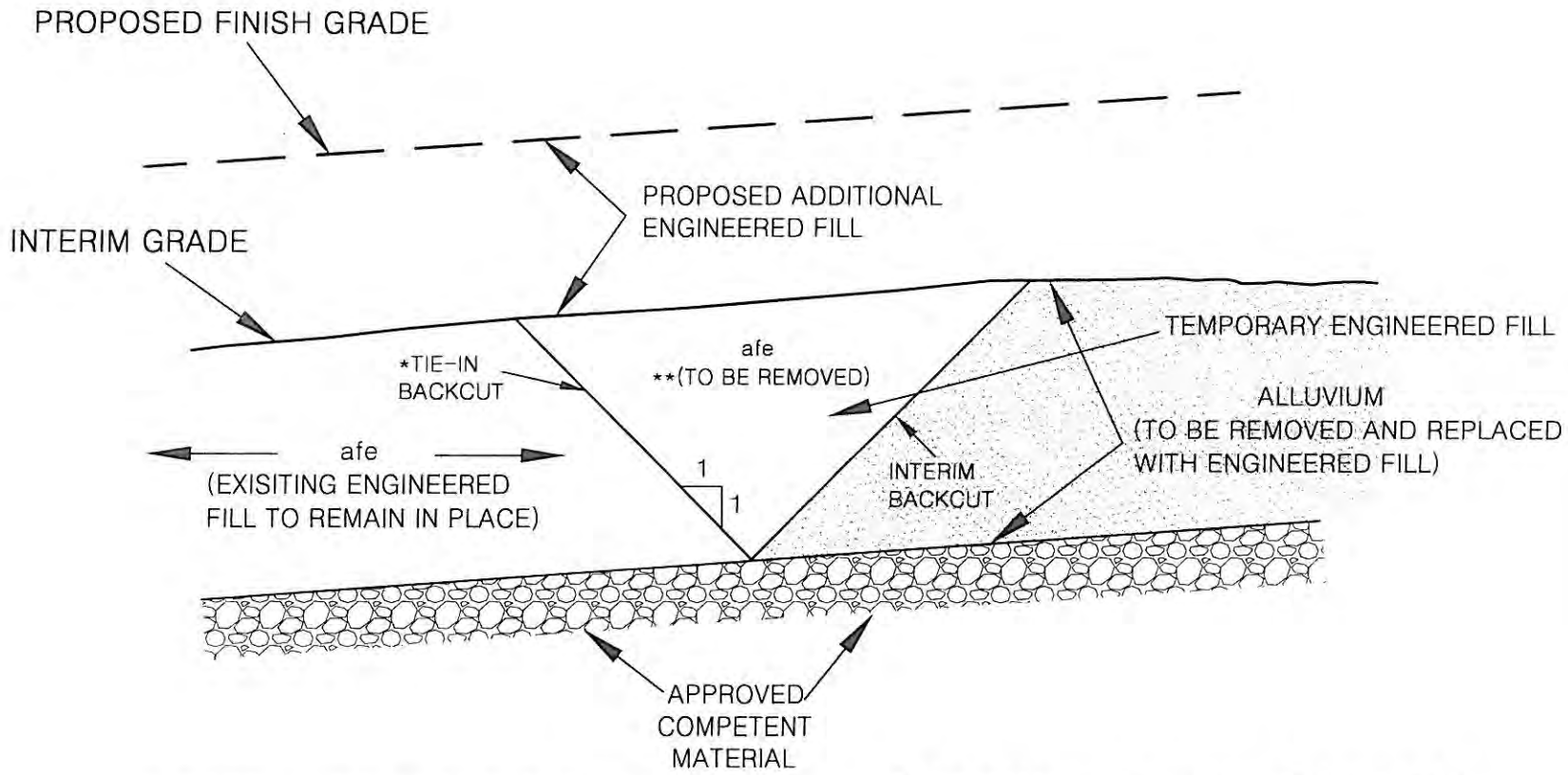
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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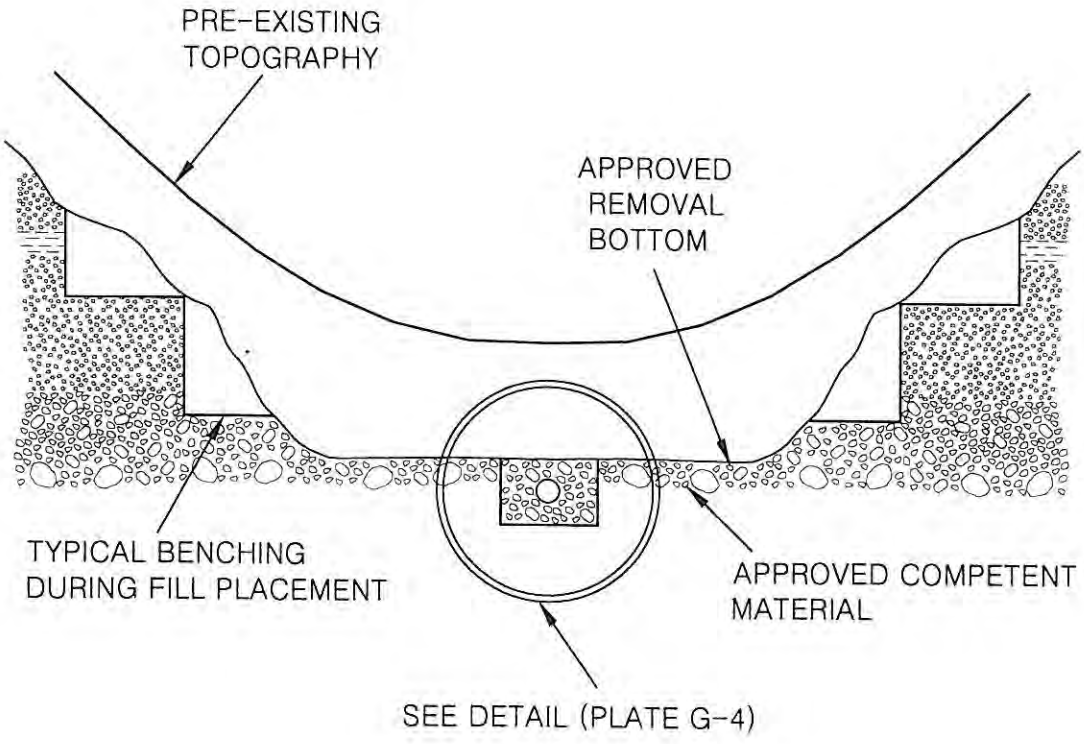
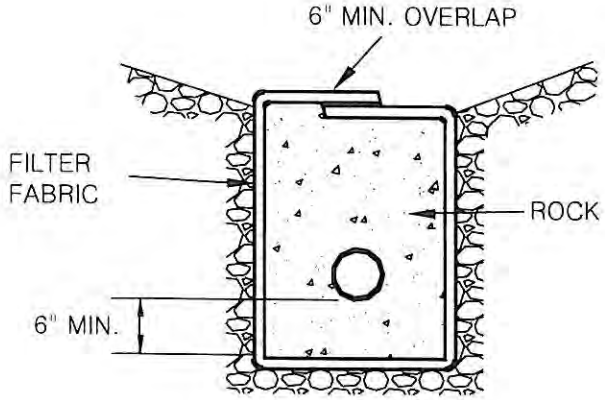
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL



PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK

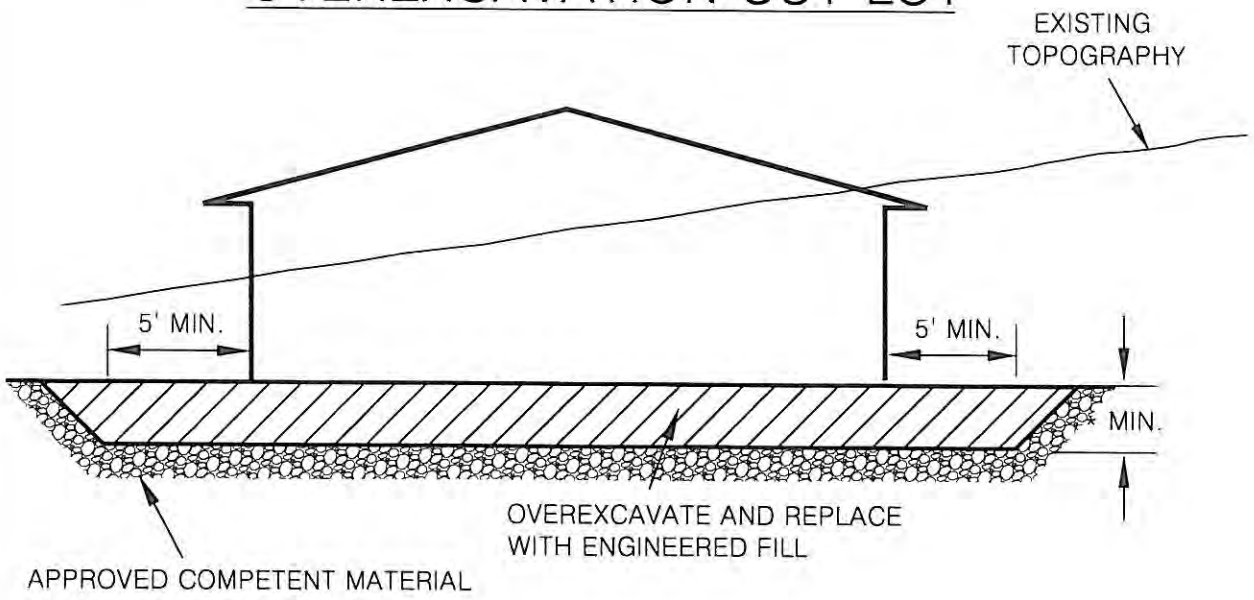
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

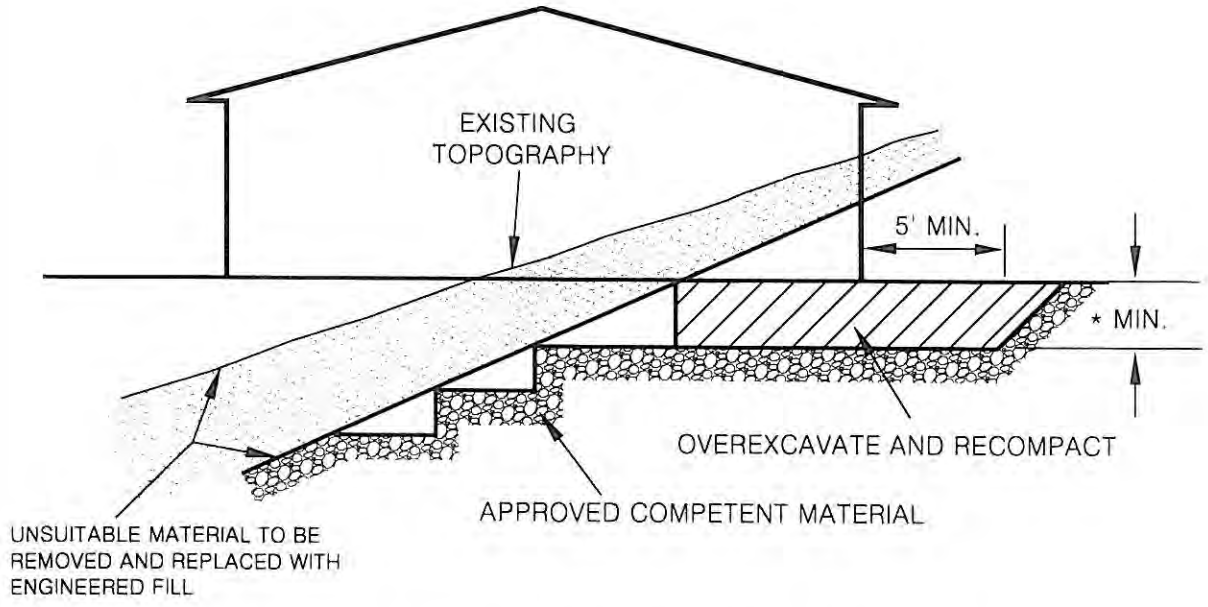
NOTES:

1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



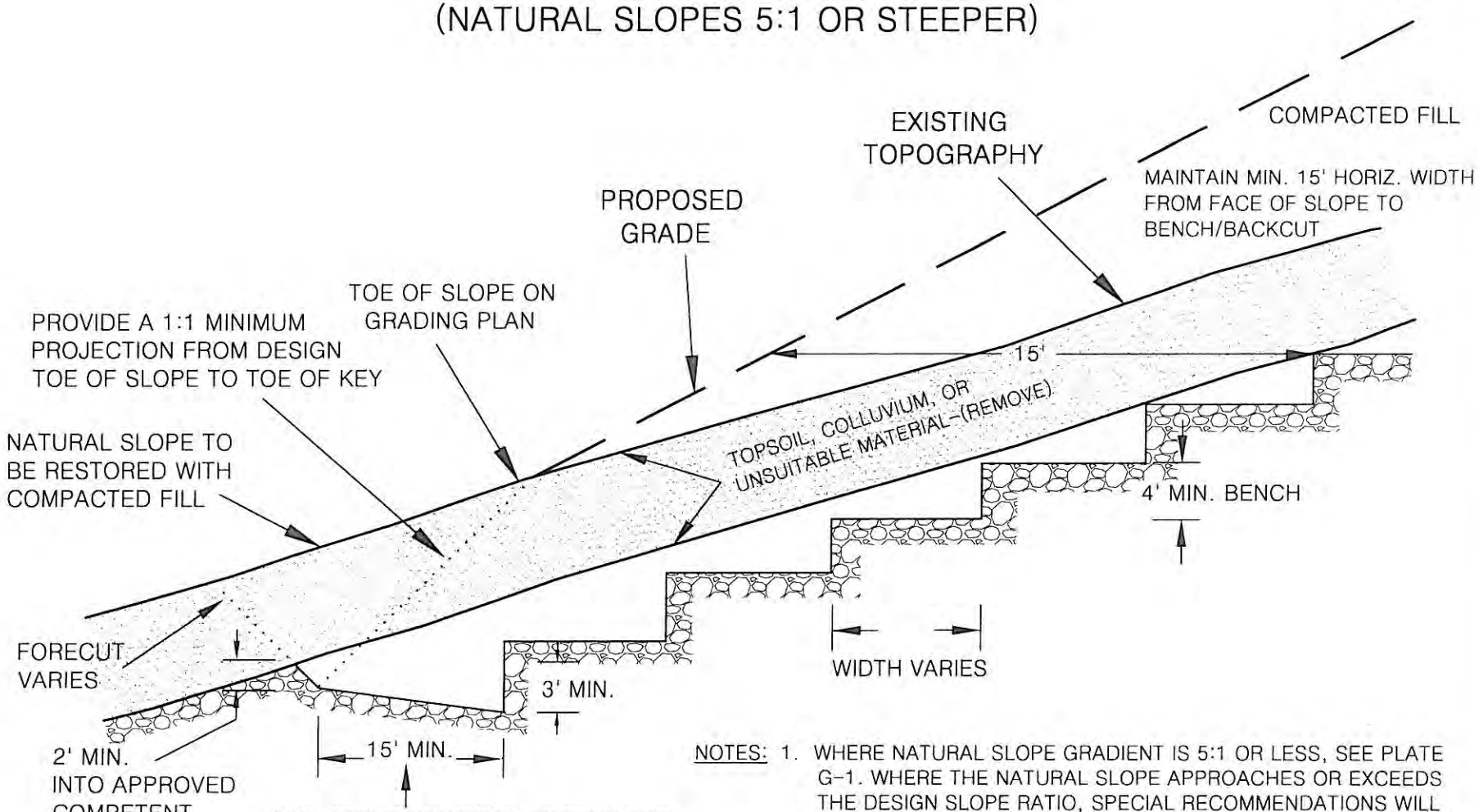
CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

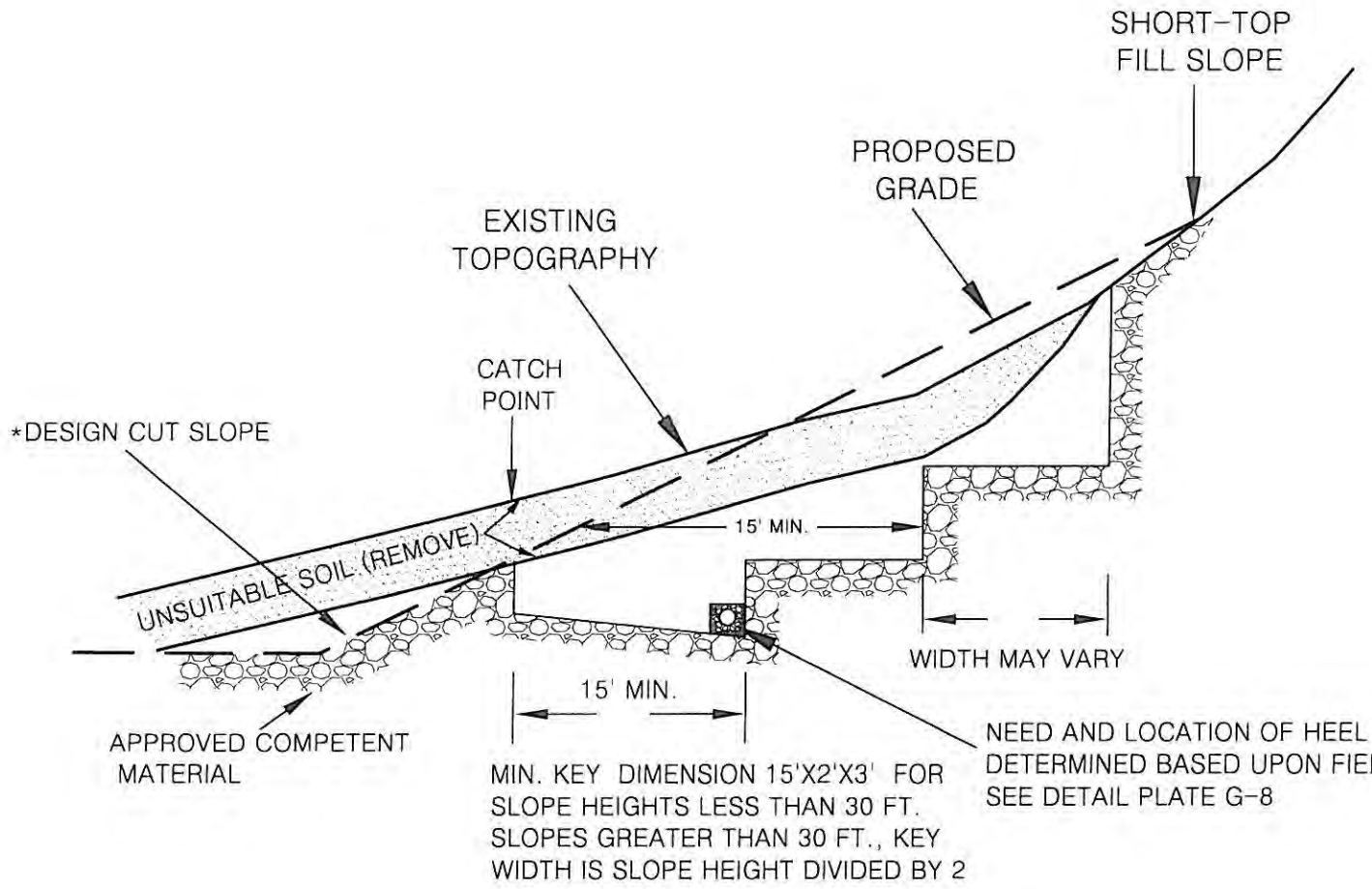
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:
1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

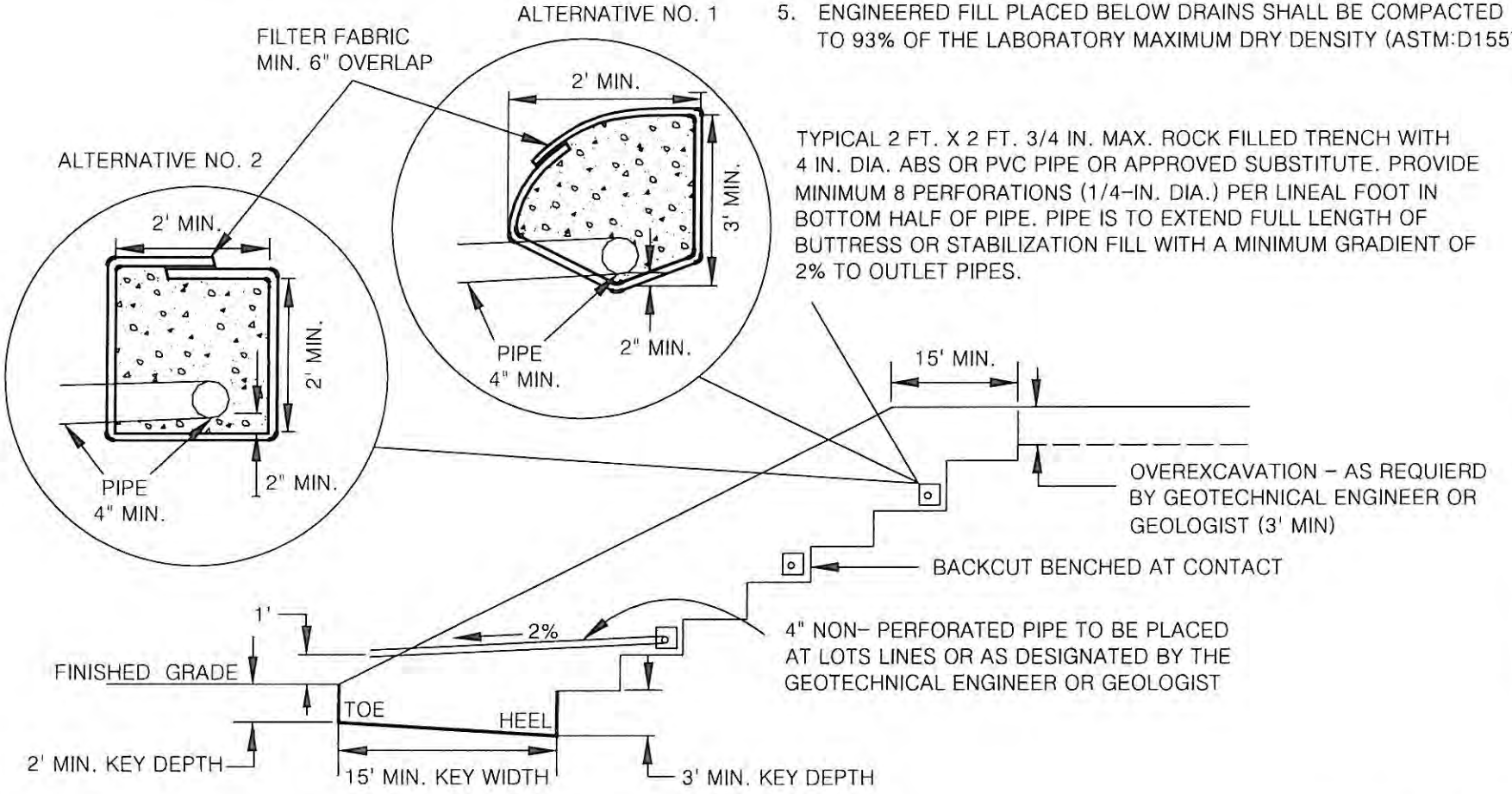

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PLATE G-8

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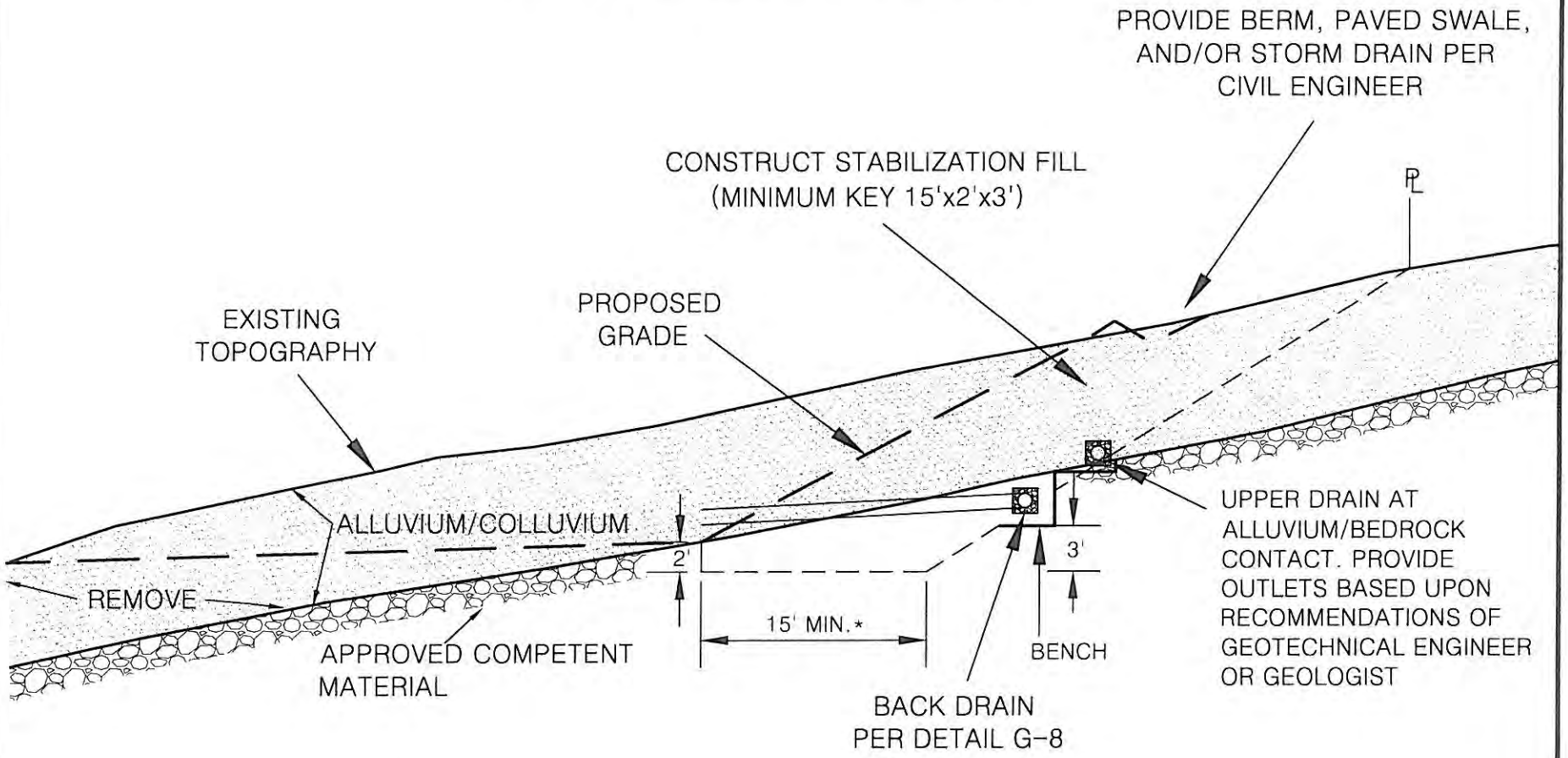
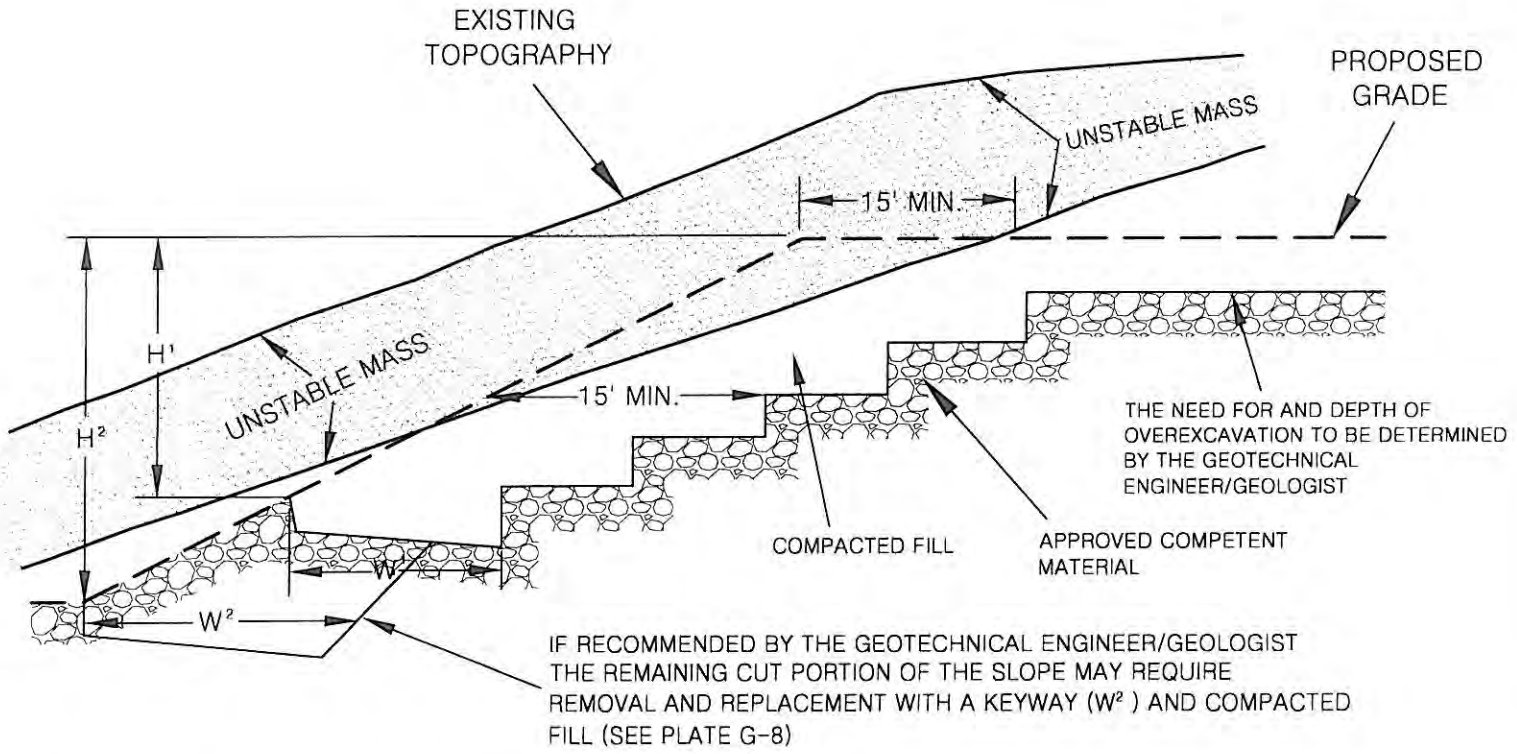
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

SKIN FILL SLOPE OVER NATURAL GROUND

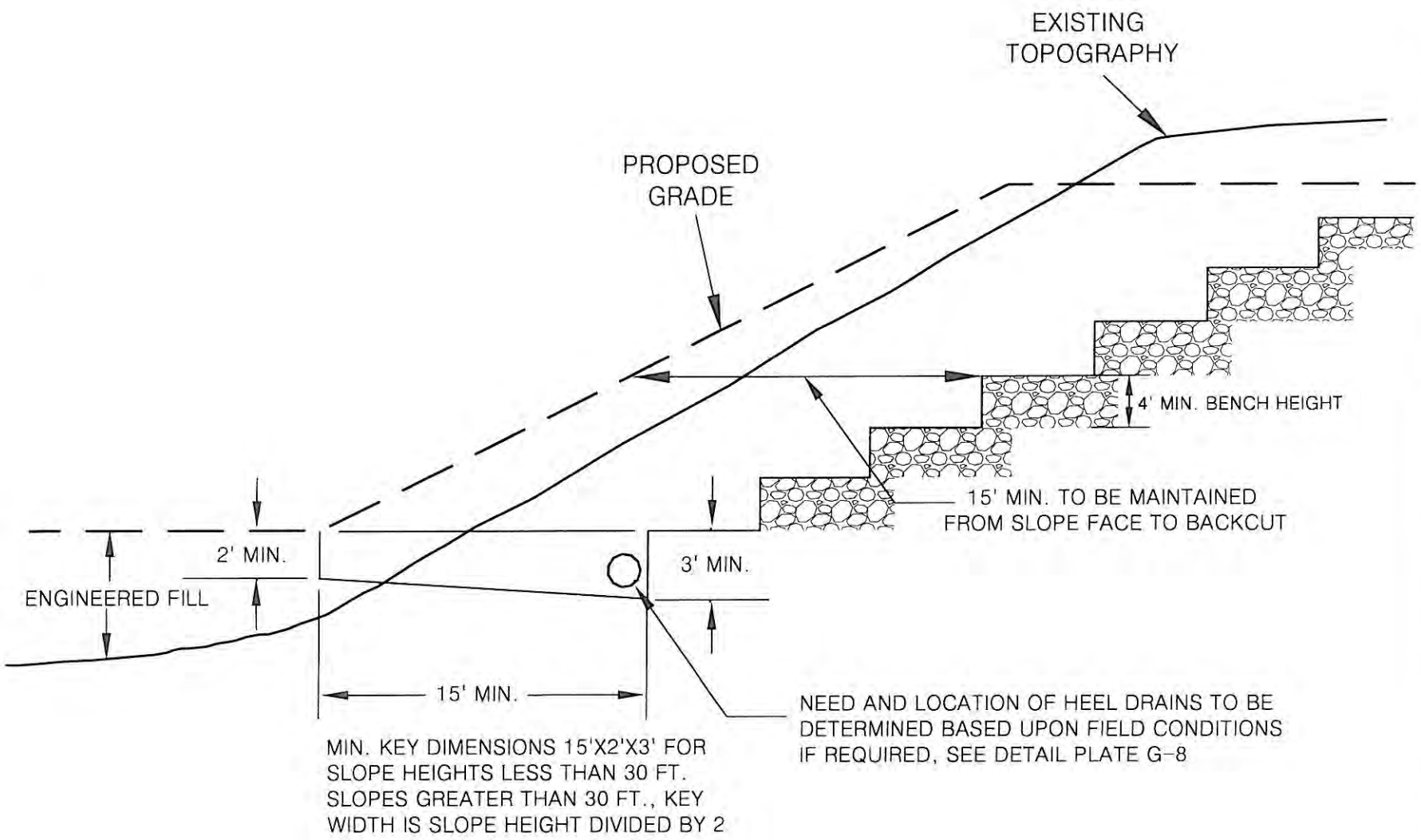


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PLATE G-11

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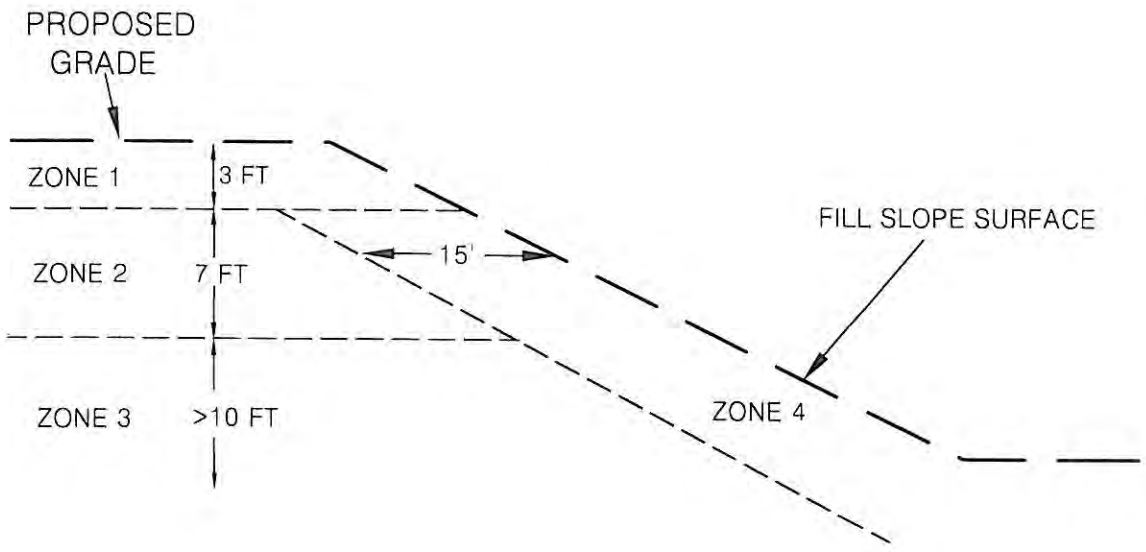
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤0.5 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

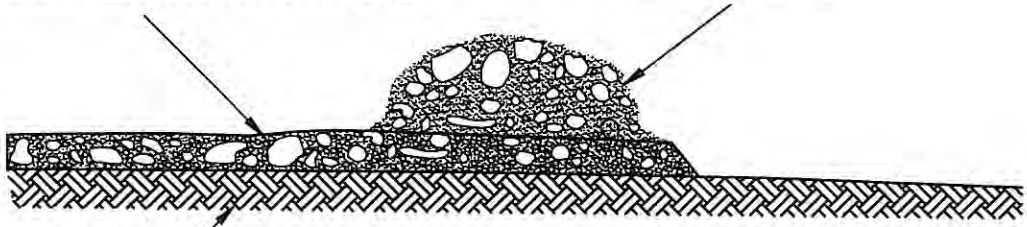
ROCK BLANKET DETAILS

LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)

APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER), HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

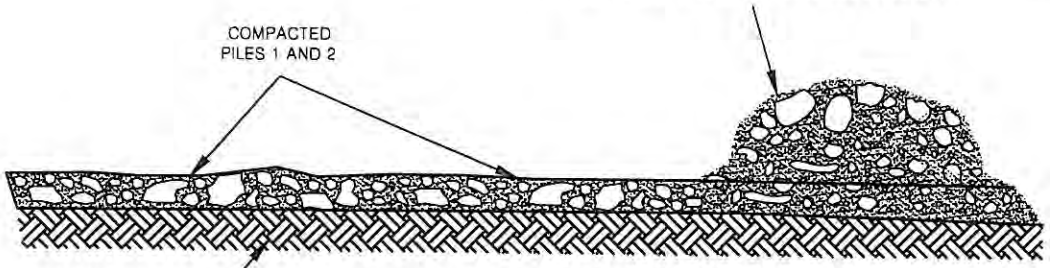
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

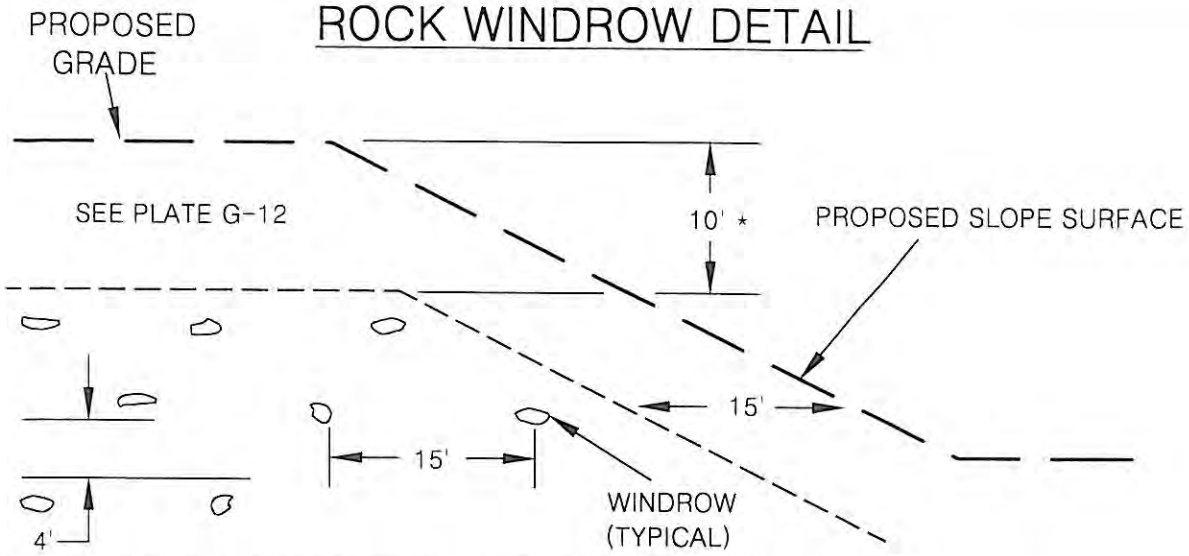


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

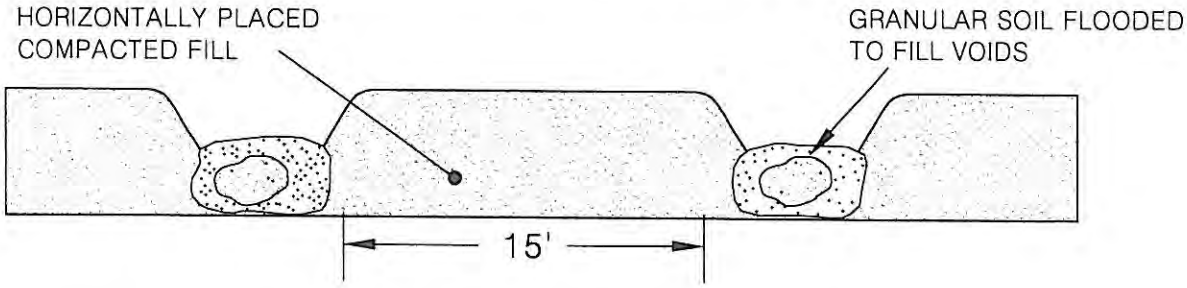
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



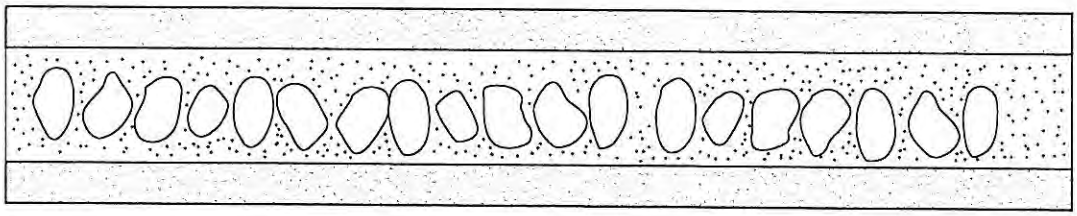
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

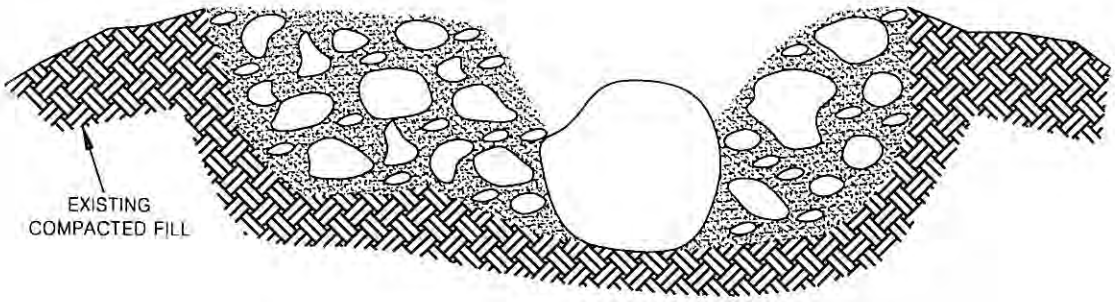


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

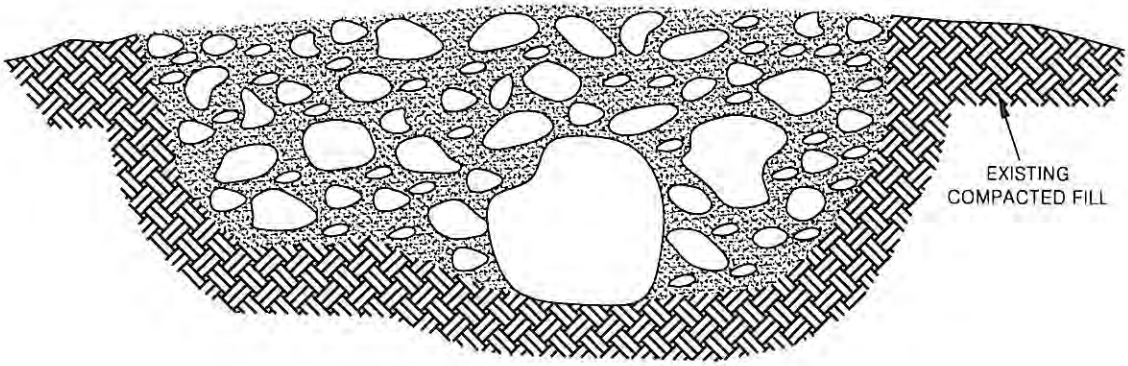
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

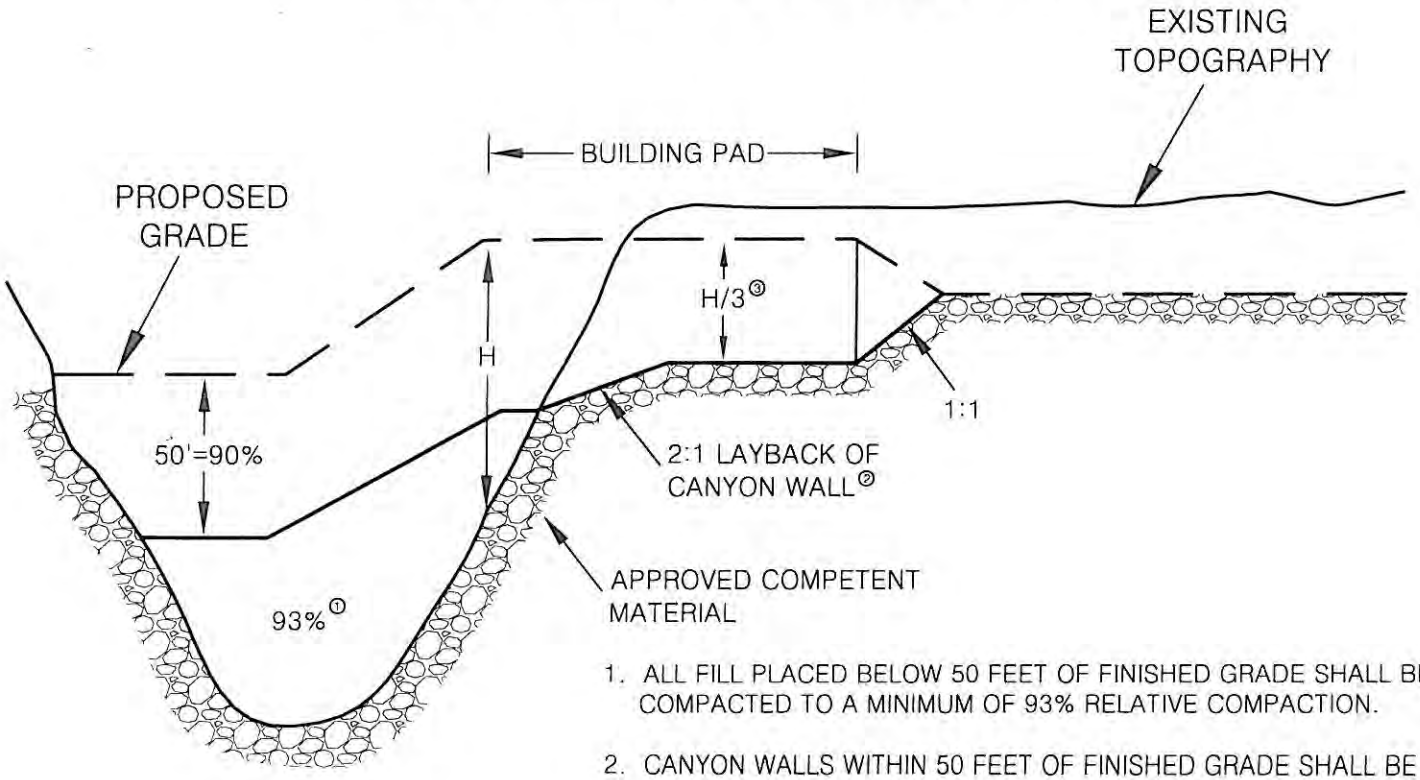


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 3/12

PLATE G-16

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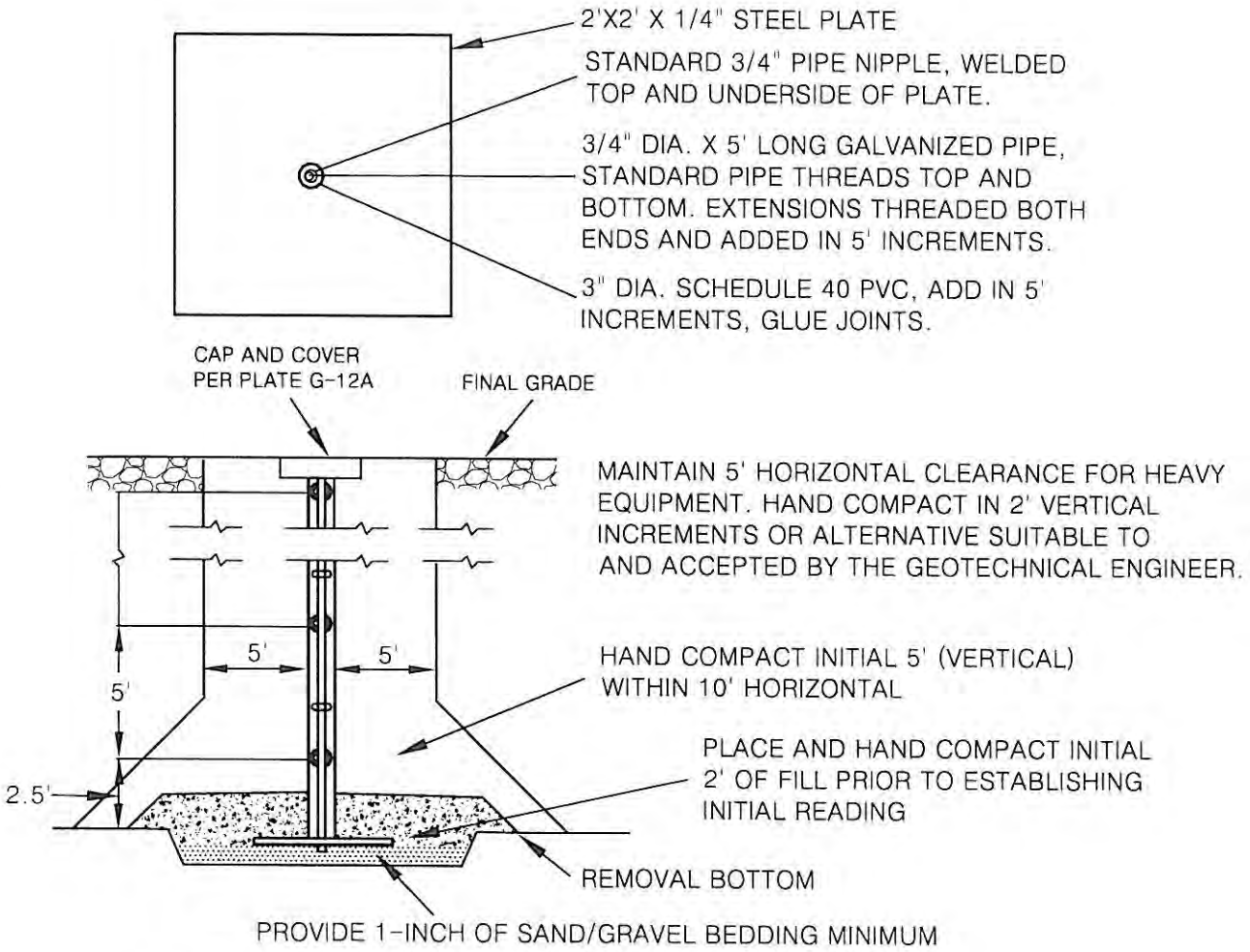
SETTLEMENT PLATE DETAIL



NOTES:

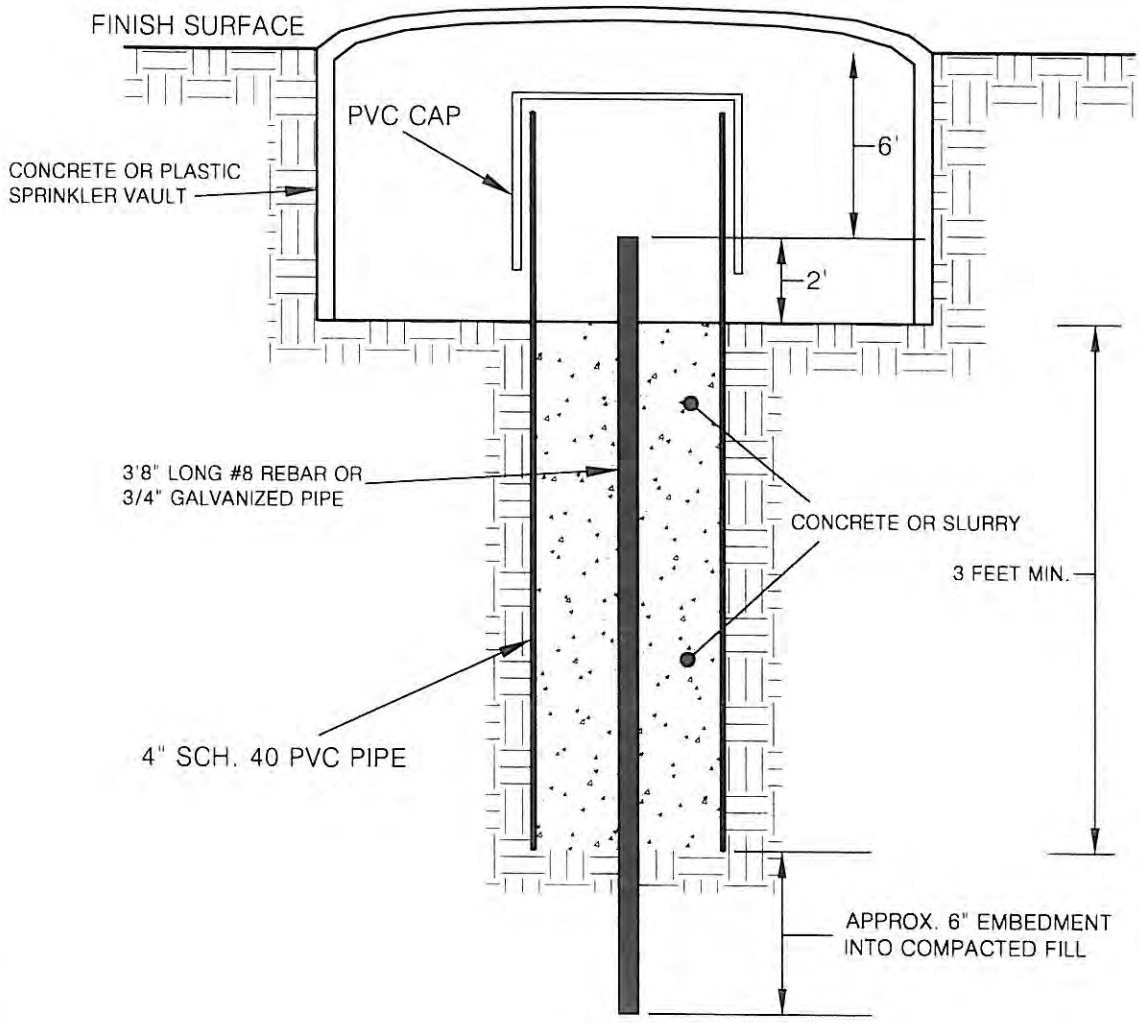
1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

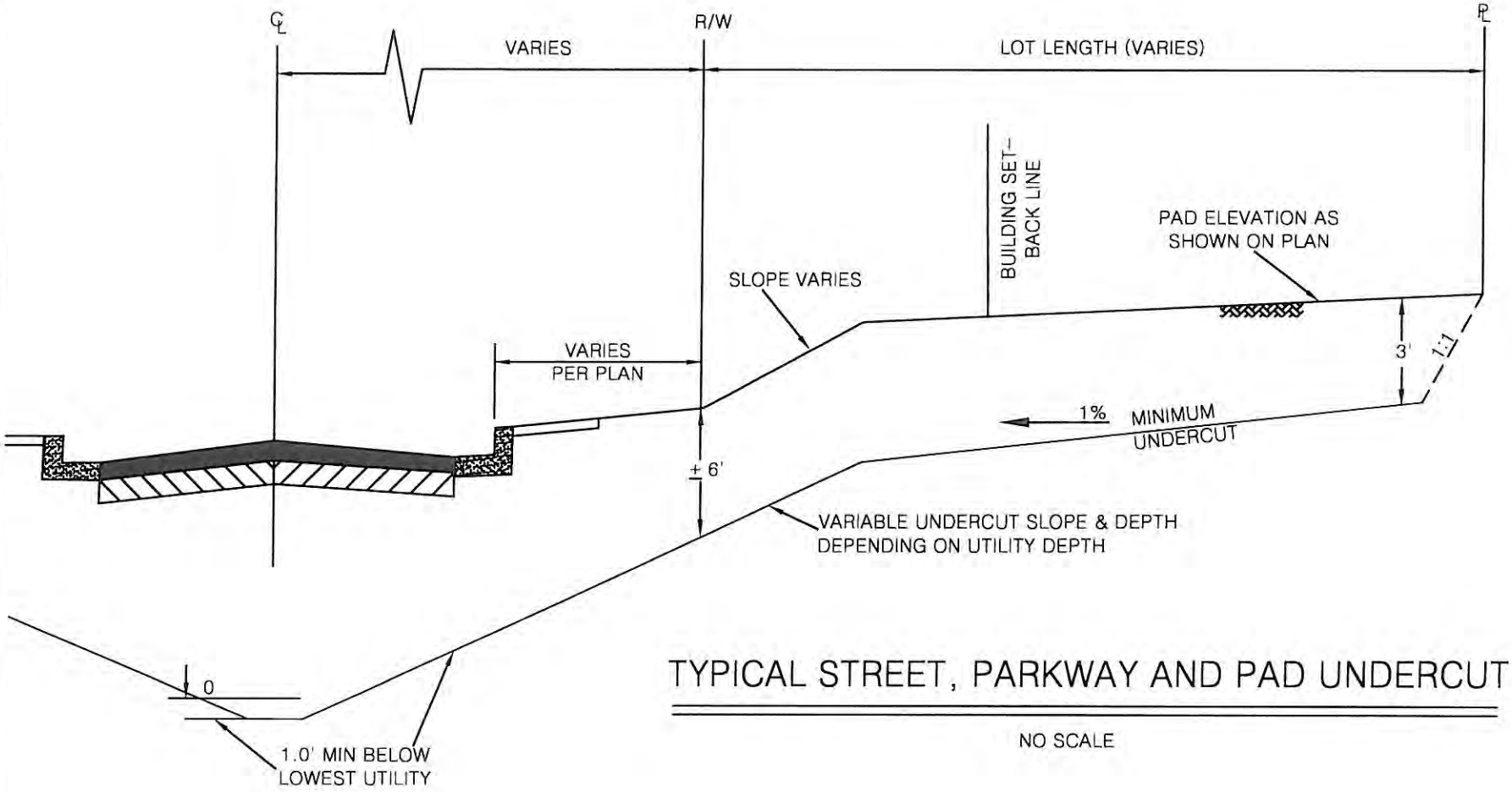
2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL





TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

ALTA CALIFORNIA GEOTECHNICAL, INC .
VER. 3/13

PLATE G-19

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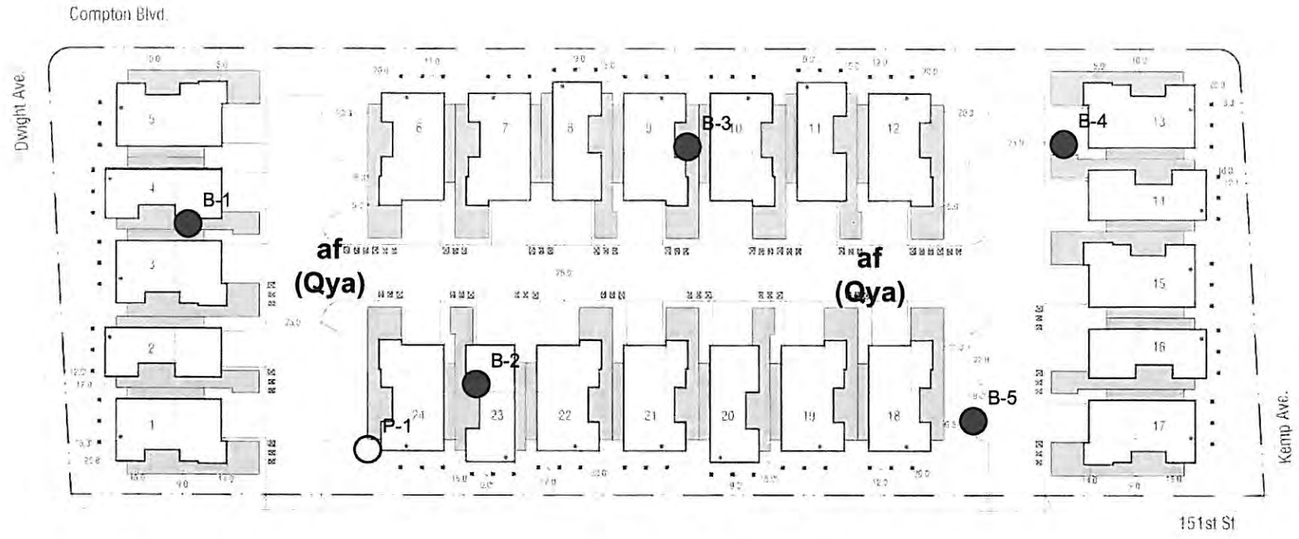

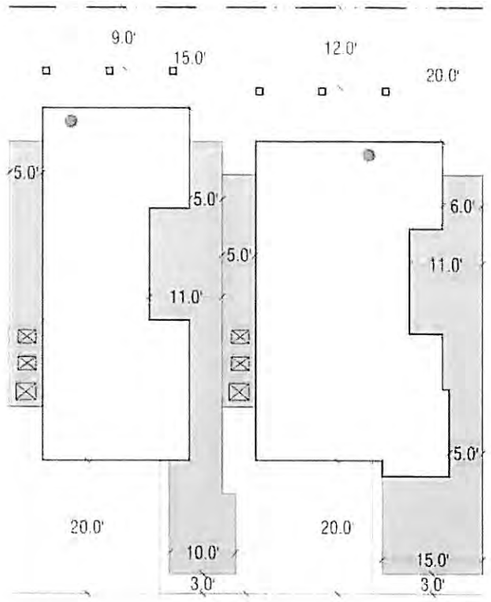

25.0'

Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan:	Medium Density Residential
Proposed General Plan:	Medium Density Residential
Existing Zoning:	CL - Limited Commercial & P - Parking
Proposed Zoning:	R-M-D - Medium Density Residential - Planned Development
Max. Density:	17.14 Homes per Acre (2,500 sf/home)
Proposed Setbacks:	Compton Blvd: 15' to building 9' to covered porch
	Dwight Ave: 15' to building 12' to covered porch
	Kemp Ave: 15' to building 12' to covered porch
	151st St: 14' to single story element (building 1 & 17) 15' to front of building 9' to covered porch
Building Separation:	10'
Max. Building Height:	35'

LEGEND

af	ARTIFICIAL FILL
Qya	YOUNG QUATERNARY ALLUVIUM (BRACKETED WHERE BURIED)
B-3	APPROXIMATE LOCATION OF HOLLOW STEM AUGER BORING
P-1	APPROXIMATE LOCATION OF INFILTRATION TEST

Notes:

PLATE 1

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0285 DATE: May 6, 2019

CONCEPTUAL SITE PLAN

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

0 15 30 60

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SEWER AREA STUDY

TTM No. 82807
CIP #10-18/JN120S
SMD Index 1757, 1812

Prepared for:
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3121 Michelson Drive, Suite 150
Irvine, CA 92612
Contact: Kim Prijatel
(949) 258-7555

Property:
TTM No. 82807
APN 6161-001-902
930 West Compton Boulevard
City of Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
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(949) 916-3800
Contact: David Terry, Project Manager

Ryan J. Bittner R.C.E. 68167

October 2019
Revised: April 2021

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CONCLUSION	5

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A. SEWER AREA STUDY EXHIBIT

B. SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

C. SEWER AS-BUILTS, SEWER MAINTENANCE DIVISION INDEX MAPS, SEWER ATLAS MAP

D. TENTATIVE TRACT MAP (PROJECT SITE)

E. COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, SEWER AREA STUDY DESIGN GUIDELINES

F. LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

G. CITY OF COMPTON ZONING MAP

INTRODUCTION

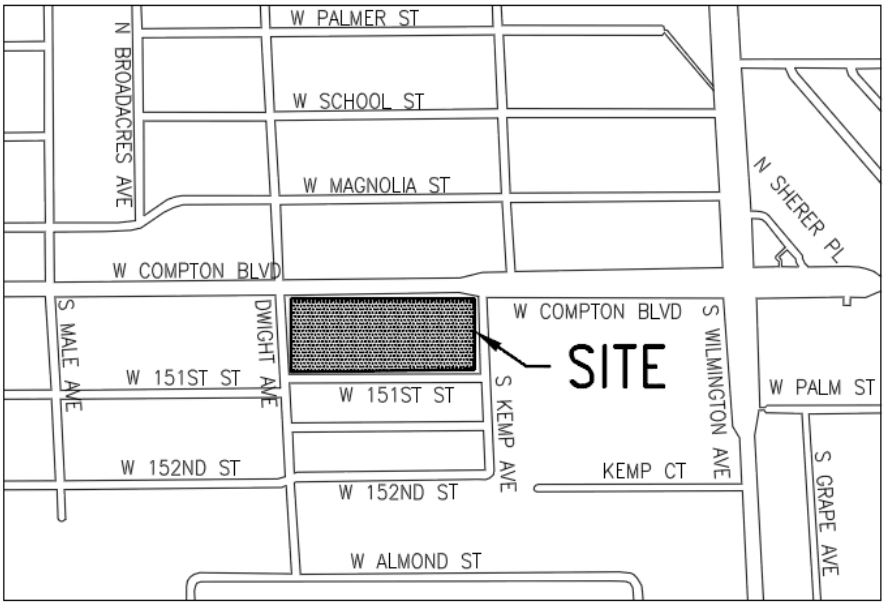
The following Area Study has been prepared by C&V Consulting, Inc. to determine and show:

- ***A.*** The capacity of the existing sewer segments from proposed development site to the Los Angeles County Sanitation District (LACSD) maintained trunk sewers.
- ***B.*** The existing sewer facility will adequately service the proposed development.

This analysis will include any and all tributary flow to the sewer system from the proposed development to the LACSD trunk line downstream of the proposed development. All tributary area within this area study has been developed.

SITE DESCRIPTION

The project is located at 930 West Compton Boulevard, in the City of Compton, California. The site is bounded by West Compton Boulevard to the north, West 151st Street and existing single-family residential to the south, South Kemp Avenue and existing single-family residential to the east, and Dwight Avenue and a liquor store to the west. The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 100% for the existing condition of the site.



VICINITY MAP
N.T.S.

PROJECT DESCRIPTION

The project proposes the construction of eight condominium buildings of sixty (60) attached units with private garages, private drive aisles, hardscape, associated landscaping, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along West 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open space areas. The proposed project is located within the jurisdictional boundaries of Los Angeles County Sanitation District No. 1. The proposed sewer system will be gravity fed and flow will be towards a local sewer line located along West Compton Boulevard, which conveys and connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer.

AP Number	Size (ac)
6161-001-902	2.75

METHODOLOGY

This study will investigate the sewerage discharge route along West Compton Boulevard from the proposed development (TTM No. 82807) to the Districts' Joint Outfall G Unit 5 Trunk Sewer. The route is on a local sewer line, which is not maintained by the Sanitation Districts of Los Angeles County, connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer for conveyance, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013. The subject route of the sewer main will be analyzed by segments based on sewer pipe size, slope, and tributary area.

Reach #1A segment is along West Compton Boulevard to Kemp Avenue, from the connection of the project site Manhole 2 to Manhole 3 and consisting of an existing 12" VCP sewer main with a slope of 0.72%. This segment includes the project site (Area #1A) and the upstream tributary areas of Reach #1.

Reach #2A segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 3 to Manhole 4 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #2 and the upstream tributary areas of Reach #1A.

Reach #2B segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 4 to Manhole 5 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes tributary areas of Reach #2A.

Reach #3A segment is on the cross-section of West Compton Boulevard and North Wilmington Avenue, Manhole 5 to Manhole 6 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #3 and the upstream tributary areas of Reach #2B.

Reach #4A segment is along West Compton Boulevard from Manhole 6 to Manhole 7 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment has a lateral connection to a sewer system to the North which also connects to CSD Manhole (G61). This lateral connection is plugged and abandoned as shown on Reference Sheet C-7. This indicates that the flow in the north sewer line conveys into the project sewer line in this study; therefore, the segment includes the upstream Area #4 and the upstream tributary areas of Reach #3A.

Reach #4B segment is along West Compton Boulevard from Manhole 7 to Manhole 8 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment includes the upstream tributary areas of Reach #4A.

Reach #5 segment is along West Compton Boulevard to Coral Street and connects to the 31.3" Sewer Trunk Line belonging to Sanitation District No. 1 from Manhole 8 to CSD Manhole (G61) consisting of a 15" VCP sewer main with a slope of 0.33%. This Reach#5 segment includes Area #5 and the tributary area of Reach 4B.

SEWER PIPE CAPACITY ANALYSIS

The existing sewer pipes were analyzed per County Standard S-C4 for a maximum design depth at half full for pipes less than 15" and three fourths full for pipes 15" and greater. Data were obtained from corresponding Sewer As-Built plans and Compton sewer atlas map in Appendix C for the analysis.

In order to calculate the pipe capacity, Kutter's formula was utilized assuming a depth of three-fourths full and a Manning's friction factor, n, of 0.013. Kutter's formula is shown below:

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685+\frac{0.00281}{S}+\frac{1.811}{n}}{1+\frac{\left(41.65+\frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Detailed results for each segment have been tabulated in Appendix B. Details of calculations for each reach of pipe has been included in Appendix B following the table.

The tributary sewer flow rate (Q) for the studied sewer lines are analyzed based on County standards as follows:

For Tributary Areas:
Q = Z*A
A = Tributary Area (Acre)
Z = Zoning Coefficients (Refer to the LACDPW guideline information within Appendix E)

For the Project Site
Q = (0.001 cfs/unit) x (60 units) = 0.060 cfs
(0.001 cfs/unit for proposed condominiums per County standard zoning coefficient within Appendix E)

The tributary areas were calculated by reference scaling the County of Los Angeles Sewer Maintenance Division's Atlas Index Maps and referencing County of Los Angeles Assessor's map. The zoning coefficients were referencing the LACDPW guidelines and the Zoning Map provided by the City of Compton in Appendix G. City of Compton's classification of Low-Density Residential matches the density description

of Los Angeles County Zone R-2, so the zoning coefficient of R-2 is used for Compton's zoning area of Low-Density Residential. Medium-Density Residential applies County R-3 coefficient value and High-Density Residential applies County R-4 coefficient value. These values match the capacity/density represent a more conservative scenario.

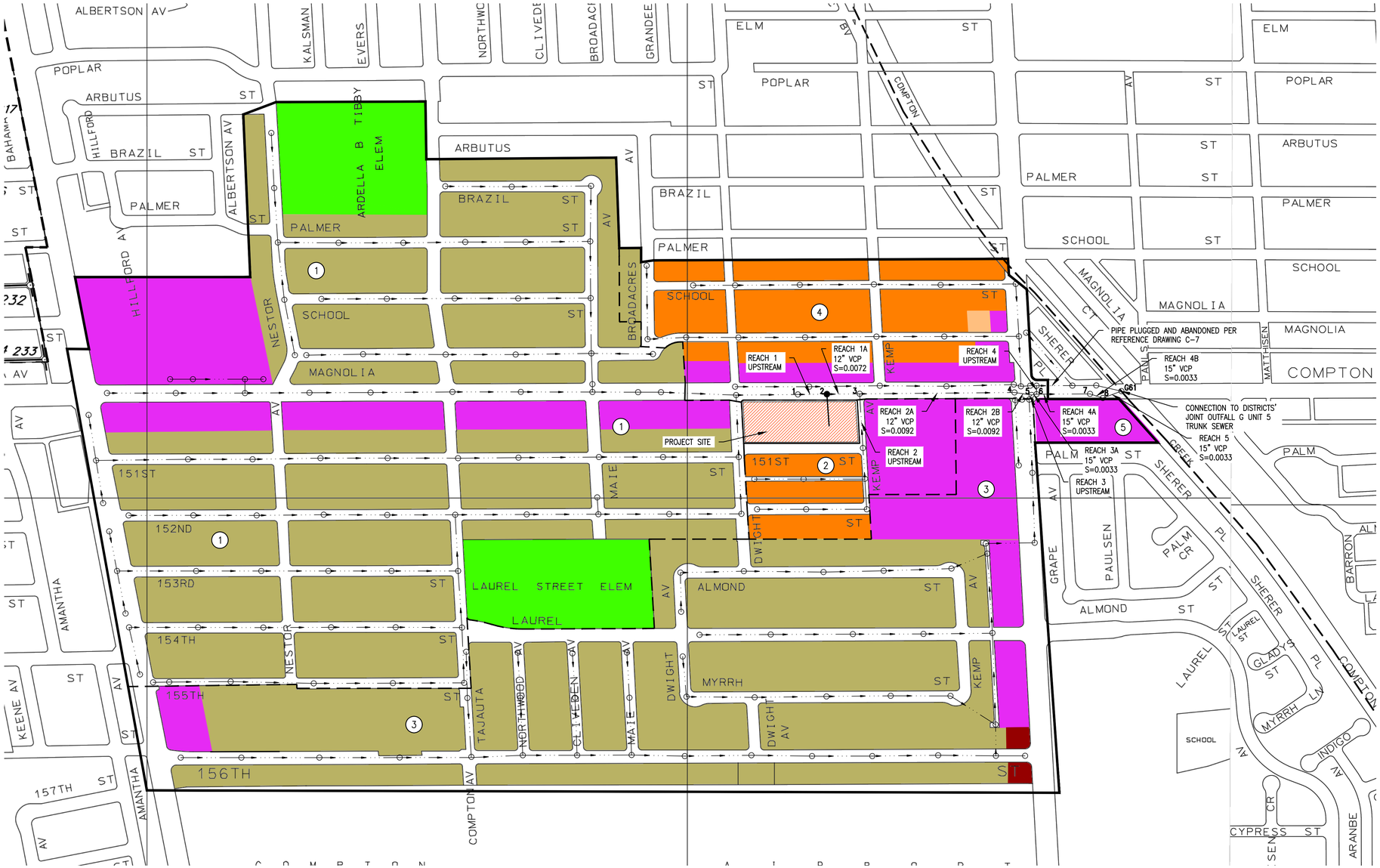
Per County requirements, we separately calculated the sewer discharge for schools based on the "Estimated Average Daily Sewage Flows for Various Occupancies" with a peaking factor of 2.5. Churches were taken into consideration of separate calculation, but the discharge calculated was insignificant compared to the zoning coefficient; therefore, the calculation for churches was analyzed by tributary area and corresponding zone. Unit counts were used to determine the flows on condominium sites where its unit density is greater than the tributary area and corresponding zone. The County Sewer Area Study guidelines indicate a zoning coefficient for R-1 Residential as 0.004 cfs/acre which allow up to 4 dwelling units per acre and matches the actual worse case density; For condominium, County recommends applying coefficient of 0.001 cfs/unit.

CONCLUSION

The existing sewer system being analyzed in this area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B for calculations and tabulated results. Therefore, we conclude that the existing sewer system has adequate capacity for the proposed development.

Appendix A

SEWER AREA STUDY EXHIBIT



LEGEND:

- SEWER AREA STUDY LIMITS
- COUNTY OF LOS ANGELES/ CITY OF COMPTON LIMITS
- TRIBUTARY AREA BOUNDARY TO SEWER SYSTEM
- SEWER SYSTEM FLOW PATH
- TRIBUTARY AREA (REFER TO CALCULATION TABLE)
- PROJECT SITE (MULTI-FAMILY CONDOMINIUMS)
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- PARKING/MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MUNICIPAL PARK
- SCHOOL
- LIMITED COMMERCIAL
- POC (POINT OF CONNECTION)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

SEWER AREA STUDY EXHIBIT
TENTATIVE TRACT NO. 82807

930 W. COMPTON BLVD.
COMPTON, CA.

Sheet 1 of 1

PROJ: CVCN-125
DWG: P:\CVCN-125\Dwg\Sheets\DH\DH-SEWER-STUDY-01.dwg BY: hsm Apr 16, 2021 - 4:36:55pm

Appendix B

SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

Sewer Area Study Table

TR 82807
930 West Compton Boulevard, Compton

Street Name	Segment		Pipe		*Capacity (cfs)		Tributary Area #	Tributary Area (Acres)	Zone	Zoning Coefficient	Calculated Flow (cfs)	**Cumulative Calculated Flow (cfs)	****Cumulative Depth (in)	PC Construction Plan #	Comments	*** Percentage Full	
	MH #	MH #	Size (in.)	Slope (%)	1/2 Full (<15")	3/4 Full (>15")										Flow Depth	Cumulative Flow/ Capacity
Reach #1 Upstream Tributary Area W. Compton Blvd.	1	2	12	0.72	1.444		1	70.52	Low Density Residential	0.0080	0.56416						
							1	17.58	Limited Commercial	0.0150	0.2637						
							1	Laurel Street Elementary School (7.92 AC)	(647 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0250		0.02503						
							1	Tibby Elementary (8.12 AC)	(554 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0214		0.02143	**0.8743**	4.58	CIP #10-18 /JN120S	Compton	76%	61%
Reach #1A W. Compton Blvd.	2	3	12	0.72	1.444		1A	**2.75**	**Proposed Condominium Coefficient 0.001 cfs/DU**		**0.06000**	**0.9343**	4.74	CIP #10-18 /JN120S	***Project Site*** Compton 60 Units	79%	65%
Reach #2A W. Compton Blvd.	3	4	12	0.92	1.633		2	4.05	Medium Density Residential	0.0120	0.04860						
								Condominium Tract No. 51441 (1.05 AC)	(37 Units)(0.001cfs/DU)=0.037		0.03700	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #2B W. Compton Blvd.	4	5	12	0.92	1.633		2	-	-		-	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #3A W. Compton Blvd.	5	6	15	0.33		3.333	3	Condominium Tract No. 37774 (1.34 AC)	(32 Units)(0.001cfs/DU)=0.032		0.03200						
							3	Condominium Tract No. 34166 (2.49 AC)	(53 Units)(0.001cfs/DU)=0.053		0.05300						
								52.64	Low Density Residential	0.0080	0.42112						
								0.49	High Density Residential	0.0160	0.00784						
								4.00	Limited Commercial	0.0150	0.06000	**1.5939**	5.92	CIP #10-18 /JN120S	Compton	53%	48%
Reach #4A W. Compton Blvd.	6	7	15	0.33		3.333	4	0.79	Low Density Residential	0.0080	0.00630						
								13.07	Medium Density Residential	0.0120	0.15686						
								0.23	Parking/Medium Residential	0.0120	0.00274						
								3.54	Limited Commercial	0.0150	0.05315	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%

Reach #4B W. Compton Blvd.	7	8	15	0.33		3.333	4	-	-		-	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%
Reach #5 W. Compton Blvd.	8	G Unit 5	15	0.33		3.333	5	2.24	Limited Commercial	0.0150	0.03360	**1.8465**	7.61	CIP #10-18 /JN120S	LACSD Connection	68%	55%

* Calculated using the Kutter's Equation with n=0.013 and assuming 1/2 full (<15") and 3/4 full (>15")

** Based on current land use and coefficients per LA County, (Attach supporting calculations)

***Flow depth should be divided by 0.75 times the pipe diameter for pipes > 15" and 0.5 times the pipe diameter for pipes < 15"

****Calculations for pipe flow, and flow depth shown on following sheets

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1 Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.38	ft
Depth of Flow	4.58	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.621	radians
Flow Area, A	0.275	sf
Wetted Perimeter	1.331	ft
Hydraulic Radius, R	0.207	ft
Cumulative Flow, Q	0.874	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.74	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.566	radians
Flow Area, A	0.288	sf
Wetted Perimeter	1.359	ft
Hydraulic Radius, R	0.212	ft
Cumulative Flow, Q	0.934	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2B Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 3A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 3A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.49	ft
Depth of Flow	5.92	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.169	radians
Flow Area, A	0.386	sf
Wetted Perimeter	1.557	ft
Hydraulic Radius, R	0.248	ft
Cumulative Flow, Q	1.594	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4A Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4B Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 5 Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% fu	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 5 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.61	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.113	radians
Flow Area, A	0.625	sf
Wetted Perimeter	1.981	ft
Hydraulic Radius, R	0.315	ft
Cumulative Flow, Q	1.847	cfs

Laurel Street Elementary School

Claimed

1321 West Laurel Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
7/10	26 ★★★★★	PK-8	647	Public

This school is rated above average in school quality compared to other schools in California. Students here perform above average on state tests, are making about average year-over-year academic improvement, and this school has above average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 7/10
- Academic progress 6/10
- Advanced courses

EQUITY

- Equity overview 8/10
- Race/ethnicity
- Low-income students 7/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

7/10 Test scores

Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Tibby Elementary School

Unclaimed

1400 West Poplar Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
6/10	23 ★★★☆☆	K-8	554	Public

This school is rated about average in school quality compared to other schools in California. Students here perform about average on state tests, are making about average year-over-year academic improvement, and this school has about average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 6/10
- Academic progress 5/10
- Advanced courses

EQUITY

- Equity overview 5/10
- Race/ethnicity
- Low-income students 5/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

6/10 Test scores

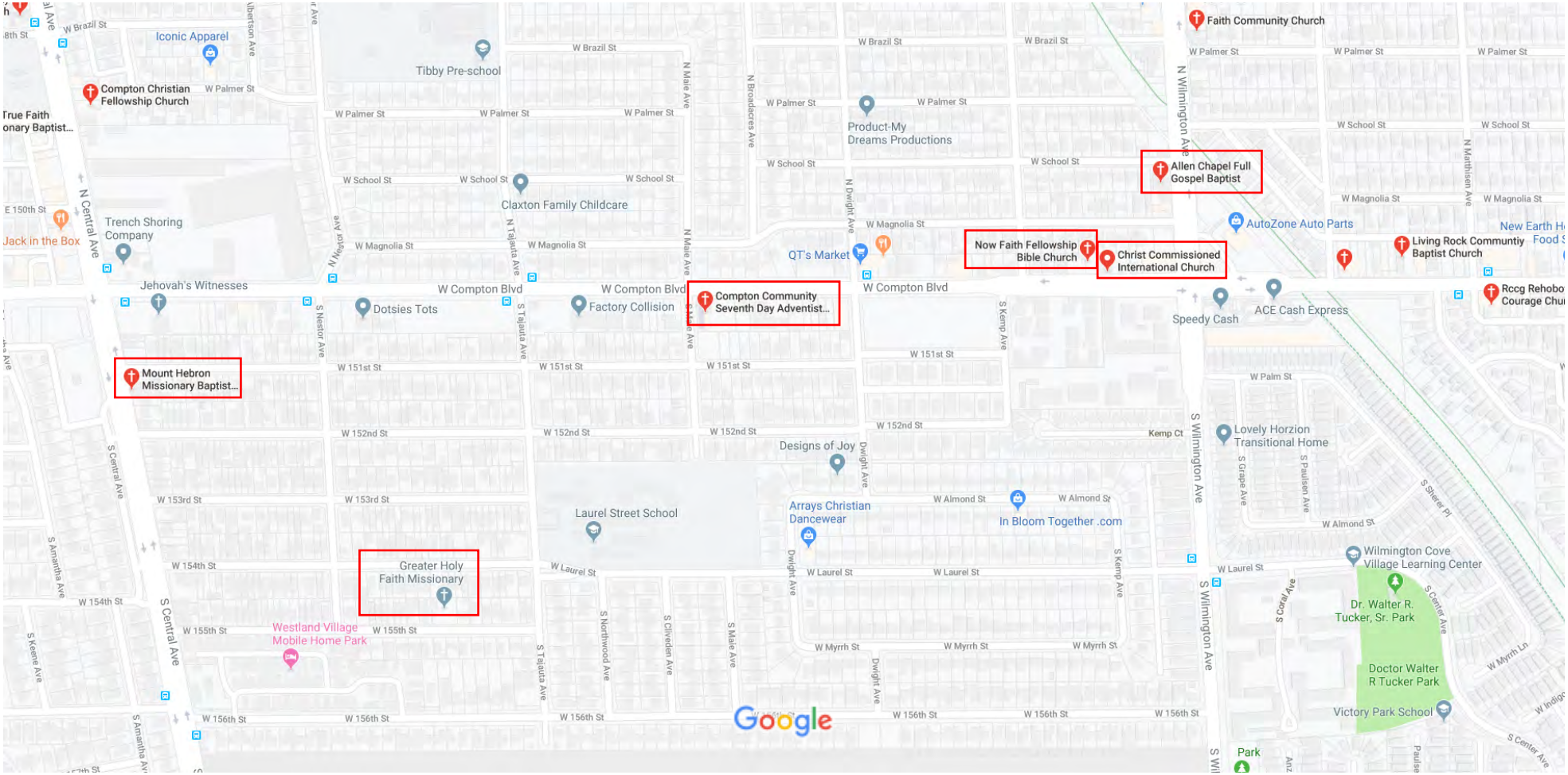
Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Google Maps

church

(Not a significant source for sewerage)



Map data ©2019 200 ft

Appendix C

SEWER AS-BUILTS & SEWER MAINTENANCE DIVISION INDEX MAPS

UTILITY OWNERS & CITY CONTACTS

UTILITY	CONTACT	TELEPHONE
COMPTON PUBLIC WORKS DEPARTMENT	GLEN KAU	(310) 605-5505
COMPTON WATER DEPARTMENT	MICHAEL HARVEY	(310) 605-5524
COMPTON WATER DEPARTMENT		(310) 505-7175
COMPTON TRAFFIC SIGNAL MAINTENANCE	JOE WEDGEWORTH	(951) 847-0070
COMPTON GENERAL MAINTENANCE	ROBERT MONTGOMERY	(310) 605-3501
COMPTON FIRE DEPARTMENT		(310) 605-5670
COMPTON SHERIFF DEPARTMENT		(310) 605-6500
AT&T CALIFORNIA (SBC- PACBELL)	TROY STANARD	(310) 515-2418
ATT TRANSMISSION	CURTIS SHAPAZIAN	(559) 442-2252
PARK WATER CO INC	MIKE ADAMS	(562) 923-0711 X1248
GOLDEN STATE WATER	MIKE THOMPSON	(310) 767-8210
SOUTHERN CALIFORNIA EDISON	CORNELIUS BROWNING	(310) 608-5070
SOUTHERN CALIFORNIA GAS COMPANY	DALE GRABOYES	(310) 687-2013
ATT TRANSMISSION TCG	ALLEN COLE	(213) 787-0204
.L OIL PIPELINE CO	RICH WALCK	(310) 816-2067
AS PLAYA DEL REY - TRANSMISSION	MIKE BATISTA	(818) 701-4543
AS PLAYA DEL REY - TRANSMISSION	OBSERVATION REPRESENTATIVE	(562) 665-5486
OUNTY SANITATION DISTRICT (CSD)	KYLE YEAMAN	(310) 638-1161
ANGELES CO DEPT OF PUBLIC WORKS	DARYLL CHENOWETH	(626) 458-3109
ANGELES CO DEPT OF PUBLIC WORKS		(626) 458-5100
ROPOLITAN TRANSPORTATION AUTHORITY	ASPET DAVIDIAN	(213) 922-5258
LEX TRAFFIC SYSTEMS	CARLOS TLILAYATZI	(310) 642-0470
WARNER CABLE	ESPIE MINERO	(310) 345-4174
DISON-TELECOMMUNICATIONS	TOMMY SAVAGE	(626) 308-6186
G NETWORKS INC	CHRIS CABICO	(909) 593-9700
VERIZON BUSINESS)	CHUCK TRIMBLE	(909) 421-3339
OMMUNICATIONS	LEE ARNOLD	(949)417-7762
TON RENAISSANCE TRANSIT		(562) 633-3798

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE 1-7-16

SHEET INDEX

DRAWING	SHEET	DESCRIPTION
G-1	1	TITLE SHEET
G-2	2	GENERAL NOTES
G-3	3	GENERAL NOTES, LEGEND AND SYMBOLS
C-1	4	POPLAR ST / DWIGHT AVE STA 10+00 TO 16+00
C-2	5	DWIGHT AVE STA 16+00 TO 22+00
C-3	6	DWIGHT AVE / SPRUCE ST TO PACIFIC AVE STA 22+00 TO 26+81.84
C-4	7	MAIE AVE / COMPTON BLVD STA 10+00 TO 16+00
C-5	8	COMPTON BLVD STA 16+00 TO 22+00
C-6	9	COMPTON BLVD STA 22+00 TO 28+00
C-7	10	COMPTON BLVD STA 28+00 TO 34+00
C-8	11	COMPTON BLVD STA 34+00 TO 35+74.13
C-9	12	WILMINGTON AVE STA 10+00 TO 16+00
C-10	13	WILMINGTON AVE STA 16+00 TO 20+09.39
C-11	14	SO. DWIGHT AVE STA 10+00 TO 12+85.80
DS-1	15	DETAILS
DS-2	16	DETAILS
DS-3	17	DETAILS

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES NOT KNOWN OR IN A LOCATION DIFFERENT FROM THAT WHICH IS SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UNDERGROUND SERVICE ALERT AT 1 (800) 227-2600.

TEMPORARY BENCHMARKS	COORDINATES	ELEV
SET TEMP. B.M. 35.00' S/O INT OF MAIE AVE. & COMPTON BLVD.	N 2493.76; E 3156.80	85.99'
SET TEMP B.M. 14.00' SEL'Y OF INT OF 151ST ST. & DWIGHT AVE.	N 2224.70; E 3848.10	84.76'
SET TEMP. B.M. ON COMPTON BLVD.	N 2509.97; E 4393.64	79.76"
SET TEMP B.M. 287.00'W X 34.00'S OF INT OF COMPTON BLVD. & WILMINGTON AVE.	N 2507.63; E 4855.40	77.44'
SET TEMP. B.M. 401.00'E X 32.00'N OF INT. OF COMPTON BLVD. & WILMINGTON AVE.	N 2579.89; E 5543.45	75.66'
SET TEMP. B.M. 54.00' NWL'Y OF INT. OF WILMINGTON AVE & SCHOOL ST.	N 3202.67; E 5062.24	76.22'
FD SSDM TEMP. B.M. ON INT OF WILMINGTON AVE. & ARBUTUS ST.	N 3755.71; E 5072.38	74.45'
FD SSDM 44.00' NWL'Y OF INT OF ELM ST. & WILMINGTON AVE.	N 4296.25; E 5000.93	75.53'

BASIS OF BEARINGS:

THE BEARING SOUTH 03°19'45" EAST, ON THE CENTERLINE OF WILMINGTON AVENUE (COMPTON AVENUE PER TRACT) AS SHOWN ON TRACT NO. 5627, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, AS PER MAP RECORDED IN BOOK 60, PAGES 17-19 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

BENCHMARK:

QUAD YEAR: BASELINE 2005
ELEVATION: 78.209 FT.
CS MON IN WELL 11.6M (38') N/O C/L ROSECRANS AVE & 50M(164') E/O C/L DWIGHT ST 11.6M(38') W/O NW COR BRIDGE OVER COMPTON CREEK MKD (CS MON BM 21-2 1952 RE 63)

BM NUMBER:1073A

CITY OF COMPTON

PUBLIC WORKS DEPARTMENT

SEWER BOND IMPROVEMENT PROJECT
JOB NO. JN120S
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT PROJECT, CIP # 10-18

ON WILMINGTON AVE FROM ELM AVE TO COMPTON CREEK
ON POPLAR AVE FROM GRANDEE AVE TO DWIGHT AVE
ON DWIGHT AVE FROM POPLAR AVE TO SPRUCE ST
ON SPRUCE ST FROM DWIGHT AVE TO LACSD AT COMPTON CREEK
ON COMPTON BLVD FROM MAIE AVE TO LACSD AT COMPTON CREEK
ON DWIGHT AVE FROM 151st ST TO COMPTON BLVD

COUNTY SANITATION DISTRICT (CSD) NOTES:

1. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION.

2. BEFORE BREAKING INTO A CSD SEWER OR MANHOLE, AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, A CSD INSPECTOR SHALL BE NOTIFIED BY TELEPHONE AT (310) 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

3. CONSTRUCTION OR ABANDONMENT OF CSD SEWERS OR MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND CSD'S LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DRAWINGS FOR CONSTRUCTION. A COPY OF THE AMENDMENTS AND STANDARD DRAWINGS MAY BE OBTAINED AT THE PUBLIC COUNTER (ROOM 110) LOCATED AT CSD'S JOINT ADMINISTRATION OFFICE, 1955 WORKMAN MILL ROAD, WHITTIER, CA 90601.

LACFCD / LACPDW NOTES:

CROSSINGS AT LOS ANGELES COUNTY STORM DRAIN & SEWER FACILITIES

1. THE CONTRACTOR SHALL NOTIFY THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS THAT THE WORK INCLUDES A PIPELINE REPLACEMENT OR NEW PIPE LINE CROSSING ABOVE THE EXISTING STORM DRAIN OR COUNTY SEWER. PERMIT, IF REQUIRED, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE CROSSING. WORK SHALL PROCEED ONLY ON COMPLIANCE WITH ALL REQUIREMENTS OF THE COUNTY DPW. CONTACT INFORMATION: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FREMONT AVE., ALHAMBRA, CA 91803, TELEPHONE (626) 458 3129 (SEE LACDPW WEBSITE FOR ADDITIONAL INFORMATION).

2. IF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND SEWER MAINTENANCE MANHOLES REQUIRE ADJUSTMENT, CONTRACTOR IS REQUIRED TO FOLLOW THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), 2006 EDITION, SUBSECTION 302-5.8, PERTAINING TO ADJUSTMENTS OF MANHOLES AND OTHER STRUCTURES. IN ADDITION, A CONSTRUCTION PERMIT IS REQUIRED.

UTILITY AGENCY NOTES:

SHELL PIPELINE CO:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, CONTACT RICH WALCK (310) 816-2067 TO ARRANGE FOR FIELD MARKINGS OF SHELL'S FACILITIES. THIS NOTIFICATION IS IN ADDITION TO TO NOTIFICATION THROUGH UNDERGROUND SERVICE ALERT. CONTRACTOR SHALL NOT PAVE OVER ANY SHELL SURFACE EQUIPMENT.

THE GAS COMPANY:
INFORM GAS COMPANY (OFFICE OF DALE GRABOYES, (310) 687-2013) OF CONSTRUCTION SCHEDULING AND ON SITE MEETINGS. GAS MAINS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY SOUTHERN CALIFORNIA GAS COMPANY. THE MAIN LOCATIONS ARE APPROXIMATE ONLY AND DEPTHS OF THE MAINS VARY. ACTUAL LOCATION AND DEPTHS WILL NEED TO BE VERIFIED BY POT HOLING. ADDITIONALLY, THERE MAY BE SERVICE LATERALS FROM THE MAINS THAT ARE NOT IDENTIFIED.

AT&T CALIFORNIA (SBC-PACBELL):
CONTACT THE OFFICE OF TROY STANARD AT (310) 515-2418 AT LEAST 2 DAYS PRIOR START OF WORK. UNDERGROUND TELECOM DUCTS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY AT&T CALIFORNIA. THE LOCATIONS ARE APPROXIMATE ONLY AND SIZES AND DEPTHS VARY. ACTUAL LOCATIONS AND DEPTHS WILL NEED TO BE VERIFIED BY POTHOLING. ADDITIONALLY, THERE MAY BE SERVICE CROSSINGS THAT ARE NOT IDENTIFIED.

PARK WATER:
CONTACT THE OFFICE OF MIKE ADAMS AT (562) 923-0711 X 1248 AT LEAST 2 DAYS PRIOR START OF WORK IN THE VICINITY OF PARK WATER . COORDINATE WITH PARK WATER STAFF DURING CONSTRUCTION.

CITY OF COMPTON MUNICIPAL WATER DEPARTMENT:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ACTIVITIES NOTIFY COMPTON WATER DEPARTMENT (310) 605-5524.

GOLDEN STATE WATER:
CONTACT THE OFFICE OF MIKE THOMPSON AT (310) 767-8210 AT LEAST 48 HOURS PRIOR START OF WORK IN THE VICINITY OF GOLDEN STATE WATER . COORDINATE WITH GOLDEN STATE STAFF DURING CONSTRUCTION.

NOTE:

1. CITY OF COMPTON "SEWER SPILL PREVENTION PLAN" SHALL BE IMPLEMENTED DURING PROJECT WORK. CONTRACTOR SHALL SUBMIT BYPASS PLAN FOR SEWER SYSTEM DURING CONSTRUCTION IN COMPLIANCE THEREOF.

NOTICE TO CONTRACTOR:

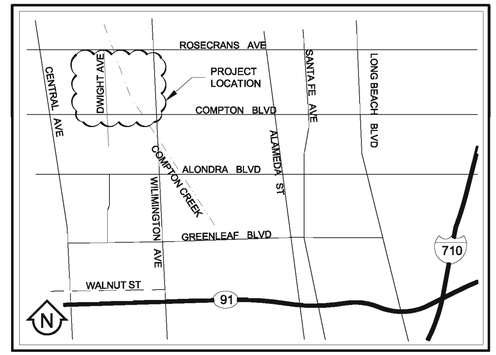
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING, AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY NECESSARY ADJUSTMENTS TO ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PREVENT DAMAGE TO ANY UTILITY FACILITIES SHOWN AND ANY OTHER FACILITIES NOT SHOWN ON THESE PLANS.

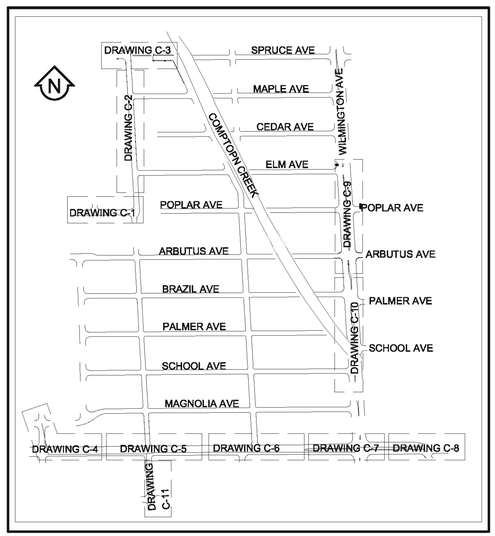
ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS AGREE THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THEY WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS INCLUDES PROVIDING FOR THE SAFETY OF ALL PERSONS AND PROPERTY AND SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTORS AND SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

CONTRACTOR NOTIFICATION:

BY SUBMITTAL OF A BID, THE CONTRACTOR REPRESENTS THAT THE SITES HAVE BEEN THOROUGHLY INVESTIGATED AND THAT ALL CONDITIONS HAVE BEEN ACCOUNTED FOR IN HIS BID. CONTRACTOR UNDERSTANDS THAT NO ADDED COSTS WILL BE ALLOWED FOR FAILURE TO ACCOMMODATE THE EXISTING CONDITIONS.



VICINITY MAP
N.T.S.



DRAWING LOCATION MAP
N.T.S.

CALL BEFORE YOU DIG — Underground Service Alert — CALL TOLL FREE 1-800 227-2600 — TWO WORKING DAYS BEFORE YOU DIG

COUNTY SANITATION DISTRICT NO. 1
OF LOS ANGELES COUNTY, CALIFORNIA
STEPHEN R. MAGUIN - CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY: _____ OFFICE ENGINEER

DATE: _____

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER — GLEN W. C. KAU — No. 56657 Exp. 06-30-17 — CIVIL — STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON

APPROVED BY: _____

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE
1	REVISED CONTACT NAMES		

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

TITLE SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. G1
SHEET 01 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\G1-COVER SHEET.dwg 01/04/16 10:59am

GENERAL NOTES

1. ALL WORK SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") LATEST EDITION, CALTRANS STANDARD PLANS LATEST EDITION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION, MUTCD CALIFORNIA SUPPLEMENT LATEST EDITION, ANY OTHER REFERENCED STANDARDS, CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT.

2. ALL APPLICABLE ORDINANCES OF THE CITY OF COMPTON SHALL BE COMPLIED WITH.

3. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS, BUSINESSES AND AGENCIES 72-HOURS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS ON HAND AT ALL TIMES TO EXPEDITE ANY EMERGENCY REPAIR.

5. THE CONTRACTOR SHALL NOTIFY THE CITY DIRECTOR OF PUBLIC WORKS FORTY-EIGHT HOURS PRIOR TO STARTING WORK, TELEPHONE NUMBER (310) 605-5505.

6. WORK IN PUBLIC STREETS, ONCE BEGUN SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT OWNERS AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A
OF TITLE 16 OF THE COUNTY CODE, HIGHWAY PERMIT CODE.

RSECTING UTILITY INSTALLATIONS WILL BE RELOCATED BY THE CONTRACTOR AFTER REVIEW BY THE AFFECTED UTILITY
?RIOR APPROVAL BY THE CITY ENGINEER.

/ENT OF CONFLICT BETWEEN DETAILS, THE MORE STRINGENT SHALL TAKE PRECEDENCE. THE DECISION OF THE
SHALL BE FINAL.

TRACTOR SHALL COORDINATE ALL REQUIRED SITE INSPECTIONS FROM ALL ENTITIES HAVING JURISDICTION.
ATION IS TO BE MADE SUFFICIENTLY IN ADVANCE OF NEEDED SITE INSPECTION THAT THE PROGRESS OF THE WORK IS
ED NOR THE QUALITY AFFECTED. CONTRACTOR SHALL PAY ALL COSTS OF PERMIT AND SITE REVIEW BY ANY UTILITY OR

GLEN W.C KAU, P.E. LICENSE No. C-56657 1-7-16 DATE

\CTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AS REQUIRED BY THE SPECIFICATIONS. UNLESS NOTIFIED IN
HE PROPOSED CONSTRUCTION SEQUENCE SHALL BE FOLLOWED. WRITTEN REQUEST FOR APPROVAL IS REQUIRED TO
: SCHEDULE.

\NTRACTOR SHALL VERIFY THAT ALL SETS OF PLANS AND SPECIFICATIONS ARE CURRENT AND APPROVED FOR
:TION.

BUILT SET OF PLANS FOR UPDATING BY REDLINE SHALL BE ON SITE AT ALL TIMES AND BE AVAILABLE TO THE ENGINEER.
. BE USED ONLY AS BUILT UPDATING. VERIFICATION THAT AS BUILT DRAWINGS ARE CURRENT IS A REQUIREMENT FOR PROGRESS PAYMENT REQUEST SUBMITTAL.

13. CONTRACTOR AND ALL SUBCONTRACTORS SHALL POSSESS VALID CONTRACTOR LICENSES AND CURRENT CITY BUSINESS LICENSES. ONSITE VENDORS SHALL ALSO BE IN COMPLIANCE WITH LOCAL BUSINESS LICENSE REQUIREMENTS.

14. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCE TO SECURE THE WORK AND WORKSITE FROM DAMAGE AND THEFT. CONTRACTOR SHALL REPAIR OR REPLACE ANY LOSS OR DAMAGE INCURRED UNTIL WRITTEN ACCEPTANCE OF THE WORK BY THE CITY.

15. CONTRACTOR IS LIABLE FOR ALL INJURY OR DAMAGE CAUSED BY ANY WORK, STORAGE OF MATERIALS AND EQUIPMENT, AND ANY OTHER ACTIVITY ON THE SITE.

16. THE CONTRACTOR SHALL FULLY ASSUME RESPONSIBILITY FOR ANY DAMAGES TO EXISTING FACILITIES, BUILDINGS, UTILITIES, STRUCTURES, OR OTHER APPURTENANCES DUE TO CONTRACTOR'S, SUBCONTRACTOR'S, VENDORS OR EMPLOYEES WHETHER INTENTIONAL OR ACCIDENTAL.

17. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOBSITE AND ANY DISCREPANCY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR REVIEW. WORK AT OR AFFECTED BY ANY CONFLICT SHALL BE HALTED UNTIL A RESOLUTION OR REVISION HAS BEEN DETERMINED.

18. THE CONTRACTORS WORK FORCE SHALL CONSIST OF PERSONS SKILLED IN THE TRADES AND TYPE OF WORK INVOLVED. LESS TRAINED WORKERS SHALL BE CLOSELY SUPERVISED BY SKILLED TRADESMEN.

19. THESE PLANS AND REFERENCES HEREIN ARE HEREBY MADE A PART OF THE SPECIFICATIONS AND CONTRACTUAL AGREEMENT.

20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE CITY ENGINEER.

21. THERE SHALL BE NO ABOVE-GROUND OBSTRUCTION IN ANY PORTION OF THE SIDEWALK EXCEPT WHERE THE WIDTH, EXCLUSIVE OF THE TOP OF CURB, IS 6 FT. OR GREATER. A CLEAR WALKING PATH OF AT LEAST FOUR (4) FT. MIN. SHALL BE MAINTAINED AT ALL TIMES.

22. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARDS TO SAFETY ORDERS AND THE CONTRACTOR SHALL COMPLY IN ALL WAYS WITH THE REQUIREMENTS THEREOF. ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA.

23. INSPECTION PROVIDED BY THE CITY CAN IN NO WAY BE CONSTRUED AS SAFETY INSPECTION.

24. PRIOR TO STARTING AND/OR DURING ALL WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH THE "CALIFORNIA SAFETY AND HEALTH ACT 1976" INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.

25. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE CITY OF COMPTON PRIOR TO START OF ANY WORK. CONTRACTOR SHALL IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO PROVIDE SAFETY TO THOSE ON THE SITE AND TO THE MOTORING AND PEDESTRIAN PUBLIC.

26. CONTRACTOR SHALL MAINTAIN AND RESTORE ALL TRAFFIC SIGNS ERECT AND IN SAME POSITION AS ORIGINALLY FOUND.

27. NO REPRESENTATIVE OF THE CITY OR ITS AGENCIES WILL SURVEY OR OTHERWISE LAYOUT ANY PORTION OF THE WORK.

28. CONTRACTOR SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS FOR OPEN EXCAVATIONS" AS SHOWN IN THE LOS ANGELES COUNTY PUBLIC WORKS STANDARD 6008-0.

29. AT JOBSITE, ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA. ALL REQUIRED JURISDICTIONALLY REQUIRED NOTICES SHALL BE DISPLAYED AT SITE.

30. THE CONTRACTOR'S ATTENTION IS EXPRESSLY DIRECTED TO ALL THE REQUIREMENTS AND PROVISIONS OF THE STATE OF CALIFORNIA SAFETY REGULATIONS. CONFORMANCE THERETO SHALL BE STRICTLY ENFORCED THROUGH THE DURATION OF THE PROJECT.

31. BARRICADES WITH FLASHING LIGHTS ARE TO BE MAINTAINED ON ALL OBSTRUCTIONS WITHIN STREET RIGHTS OF WAY AND PEDESTRIAN OR VEHICLE ACCESSIBLE AREAS AT ALL TIMES DURING THE PROJECT. CONSTRUCTION WARNING SIGNS AND FLAGGERS ARE TO BE IN PLACE DURING ALL TIMES OF WORK.

32. CONTRACTOR SAFETY PROGRAM TO BE IN PLACE AND AVAILABLE FOR EXAMINATION BY THE ENGINEER. IT SHALL BE KEPT AT THE JOBSITE OFFICE OR IN THE VEHICLE OF THE ONSITE SUPERVISION.

33. THE CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED PERMITS FOR CONSTRUCTION OF THE PROJECT FROM THE CITY OF COMPTON AND ANY AGENCIES HAVING JURISDICTION, AT CONTRACTOR'S EXPENSE.

34. ALL CONTRACTOR EQUIPMENT SHALL HAVE BEEN INSPECTED AND PERMITTED BY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR EMISSION COMPLIANCE.

35. PERMIT AND INSPECTIONS FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS SPECIFIED TO BE REIMBURSED OR TO BE AT NO COST.

36. CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS AND REQUIREMENTS OF ALL PERMITS PERTAINING TO THE PROJECT. THE REQUIREMENTS THEREIN ARE BY REFERENCE INCLUDED IN THE CONTRACT.

37. SEPARATE PERMIT FOR WORK IN ANY STATE HIGHWAY MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 120 SOUTH SPRING STREET, LOS ANGELES CA.

38. CONTRACTOR SHALL COMPLY WITH ALL STORMWATER POLLUTION CONTROL, NPDES AND REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) REQUIREMENTS, INCLUDING BUT NOT LIMITED TO BEST MANAGEMENT PRACTICE (BMPs).

39. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ALL DAMAGE THAT MAY OCCUR FROM STORM WATER AND/OR DEPOSITION OF DEBRIS FROM ANY AND ALL WORK IN CONNECTION WITH PROJECT CONSTRUCTION.

40. CONTRACTOR SHALL MAINTAIN EXISTING PROJECT AREA DRAINAGE AND SHALL INSTALL ADDITIONAL TEMPORARY DRAINAGE SYSTEMS TO PROTECT THE SITE AND ADJACENT PROPERTIES.

41. CONTRACTOR SHALL KEEP THE SITE CLEAN AND FREE OF RUBBISH. TRASH AND EXCESS MATERIALS SHALL BE DISPOSED OF OFFSITE DAILY.

42. CONTRACTOR SHALL PROVIDE FOR DUST CONTROL AT ALL TIMES TO THE SATISFACTION OF THE CITY ENGINEER AND ANY AGENCY HAVING JURISDICTION, AND SHALL BE IN COMPLIANCE WITH THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (A.Q.M.D.) RULE 403 FOR DUST CONTROL AND MITIGATION.

43. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE INCURRED DURING THE PROGRESS OF THE PROJECT, WITHOUT REGARD TO FAULT OR CAUSE.

44. CALL UNDERGROUND SERVICE ALERT, 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WHICH MAY DAMAGE OR INTERRUPT THE SERVICE OF ANY UNDERGROUND UTILITY.

45. THE CONTRACTOR IS FULLY RESPONSIBLE FOR KNOWING THE LOCATION OF ALL UTILITIES AND SHALL COMPLY WITH ALL UTILITY NOTES ON THE PLANS AND SPECIFICATION. THE CONTRACTOR SHALL FULLY COORDINATE ALL HIS WORK WITH AFFECTED UTILITY COMPANIES AND AGENCIES FOR ALL UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT.

46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITY LINES, VALVES, METERS, ETC. WITHIN THE LIMITS OF WORK WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT.

47. CONTRACTOR SHALL KEEP ALL TRAFFIC SIGNAL LIGHTS IN OPERATION AT STREET INTERSECTIONS AFFECTED BY UTILITY CONSTRUCTION OR PAVING WORK.

48. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

49. SOUTHERN CALIFORNIA EDISON CO. SHALL BE NOTIFIED FOR ANY ELECTRICAL MANHOLES, VAULTS, OR PULL BOXES WHICH REQUIRE ADJUSTMENT. ANY POLE RELOCATIONS WILL BE BY THE OWNING UTILITY.

50. POWER POLE PROTECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SOUTHERN CALIFORNIA EDISON CO.

51. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE OWNER OF ANY GAS FACILITY VALVE COVERS AND COORDINATE THEIR ADJUSTMENT TO GRADE OR OTHER RELOCATION AS REQUIRED.

52. TELEPHONE AND CABLE MANHOLES, VAULTS, BOXES AND APPURTENANCES SHALL BE PROTECTED FROM THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AND COORDINATE ANY WORK WHICH WILL REQUIRE ADJUSTMENT OF COMMUNICATION FACILITIES. ACCESS FACILITIES SHALL BE ADJUSTED TO GRADE IF REQUIRED.

53. APPROVAL OF THESE PLANS BY THE CITY OR THEIR REPRESENTATIVES DOES NOT CONSTITUTE A REPRESENTATION AS TO ACCURACY OF THE LOCATION, EXISTENCE, OR ABSENCE OF ANY UNDERGROUND STRUCTURE OR UTILITY WITHIN THE PROJECT AREA LIMITS.

54. ALL CONSTRUCTION JOINTS FOR P.C.C. CURBS, GUTTERS, AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK" LATEST EDITION).

55. ANY BROKEN CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, TREE WELLS OR ANY OTHER STRUCTURES SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER RECOMMENDATION BY THE CITY PROJECT INSPECTOR WITH NO EXTRA COMPENSATION, THE CONTRACTOR IS RESPONSIBLE TO FIELD CHECK FOR SUCH CONDITIONS PRIOR TO SUBMITTAL OF BID.

56. ALL SIDEWALK, CURB AND GUTTER REPAIRS SHALL JOIN WITH THE EXISTING AT THE NEAREST CONSTRUCTION JOINTS AND BE ADJUSTED TO MATCH WITH THE GRADE OF THE EXISTING CONCRETE STRUCTURES.

57. PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED IN GUTTER, SIDEWALK, CURB AND RAMP JOINTS AT UNIFORM INTERVALS NOT TO EXCEED 25 FT., AT THE TOP OF "X" OF DRIVEWAYS, AT THE END OF CURVES, AND HANDICAP RAMPS.

58. HANDICAP RAMPS SHALL BE INSTALLED AT ALL NEW AND REPLACEMENT INTERSECTION SIDEWALK, CURB AND GUTTER INSTALLATIONS. TRUNCATED DOME ADA COMPLIANT DETECTABLE SURFACES SHALL BE INSTALLED, COLOR TO BE SELECTED BY THE CITY.

59. ALL SURFACES TO BE JOINED SHALL BE CLEANED, PREPARED, ABRADED, PRIMED, AND OTHERWISE BE MADE READY FOR JOINING WITH THE NEW CONSTRUCTION.

60. ALL NEW SIDEWALK, CURB, GUTTER, SLABS AND OTHER EXPOSED CONCRETE SURFACES SHALL BE FINISHED TO MATCH THE EXISTING SURFACES. IN THE EVENT THERE ARE DIFFERING ADJACENT SURFACES, THE ENGINEER SHALL SELECT THE SURFACE TO MATCH OR DIRECT THE FINISH TO BE APPLIED TO THE NEW OR REPLACED WORK.

61. ABANDON EXISTING FIRE HYDRANT AS REQUIRED FOR RELOCATION OF NEW FIRE HYDRANT. EXISTING FIRE HYDRANT AND RISER SHALL BE REMOVED AND IMPROVEMENTS RESTORED AS PART OF INSTALLATION OF NEW FIRE HYDRANT ASSEMBLY.

62. AGGREGATE BASE TO BE COMPACTED TO A MINIMUM OF 95%, SUB-BASE TO BE COMPACTED TO A MINIMUM OF 90%. REFERENCE SSPWC SECTIONS 211-1 / 306-1, UNLESS OTHERWISE NOTED.

63. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE UNDISTURBED BOTTOM AND SIDES OF THE EXCAVATION.

64. SANITARY SEWER, WATER, STORM DRAIN, VAULT, AND OTHER MANHOLE FRAME AND COVER ASSEMBLIES SHALL BE RAISED TO NEW GRADE IF DISTURBED. USE OF CAST FERROUS RAISING RINGS IS NOT ACCEPTABLE.

65. COMPLETED ASPHALT PAVING OR REPAIR PAVING SHALL BE COMPACTED BY ACCEPTABLE MEANS TO PROVIDE A SURFACE FREE OF DEPRESSIONS, BUMPS, RIDGES OR OTHER IRREGULARITIES OR OTHER MARKINGS.

66. PAVEMENT MARKINGS SHALL BE REPLACED USING THE CURRENT MARKING METHOD IN USE BY THE CITY FOR NEW INSTALLATIONS. MARKINGS SHALL COMPLY WITH ALL JURISDICTIONAL REQUIREMENTS.

67. ALL CONSTRUCTION STAKING AND RELATED SURVEYS SHALL BE PROVIDED BY THE CONTRACTOR.

68. CONTRACTOR SHALL PROTECT ALL STREET CENTERLINE MONUMENTS AND TIES. ANY CENTERLINE MONUMENTS/TIES DISTURBED DURING THE CONSTRUCTION SHALL BE RESET BY THE CONTRACTOR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS AND RECORDED WITH LOS ANGELES COUNTY AT NO COST TO THE CITY.

69. CONTRACTOR SHALL UTILIZE A LICENSED SURVEYOR SERVICE TO INVESTIGATE THE PROJECT AREA, TIE OUT ANY MONUMENT WHICH MAY BE DISTURBED AND TO RESET AND RECORD THE SURVEY WITH THE COUNTY WHERE REQUIRED. LOCATE ALL MONUMENTS AND VERIFY TIE OUTS PRIOR TO BEGINNING CONSTRUCTION.

70. ELEVATIONS ARE IN FEET ABOVE U.S.C. AND G.S. SEA LEVEL, DATUM AS SHOWN, AND REFERENCED LOCAL BENCHMARKS.

71. IN ADDITION TO "AS BUILTS" CONTRACTOR SHALL PROVIDE GRADE SHEETS WITH STATIONING REPRESENTING COMPLETED WORK AS CONSTRUCTED. STATIONING OF ALL CONNECTIONS SHALL BE SHOWN.

72. THE CONTRACTOR ACKNOWLEDGES BY ENTERING INTO THE CONTRACT FOR THE WORK THAT ALL NECESSARY INSPECTIONS AND INVESTIGATIONS WERE UNDERTAKEN PRIOR TO BID AND CONTRACT EXECUTION.

73. SUFFICIENTLY PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL INVESTIGATE THE AREA OF THE PROPOSED NEW CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS WHICH REQUIRE REVISION OF THE WORK. EXTRA WORK INCURRED BY CONFLICTS ENCOUNTERED DURING PERFORMANCE OF THE WORK WHICH SHOULD HAVE BEEN APPARENT TO THE INVESTIGATION WILL NOT JUSTIFY ADDED COSTS.

74. THE CONTRACTOR SHALL REVIEW AND VERIFY CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PORTION OF THE WORK. COMPARE ACTUAL CONDITIONS WITH DRAWINGS TO ASCERTAIN CONDITIONS UNDER WHICH WORK IS PERFORMED: CHECK AND CONFIRM LOCATION OF EXISTING STRUCTURES, EQUIPMENT, AND UTILITIES WHICH MAY AFFECT WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE FULL ACCEPTANCE OF THE EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER FOR RESOLUTION PRIOR TO COMMENCEMENT OF WORK.

75. ANY PLANTED AREAS DISTURBED BY THE WORK SHALL HAVE ALL ROOTS AND DELETERIOUS MATERIALS REMOVED AND BE REPLANTED INCLUDING NEW TOPSOIL AND ROOT BARRIERS INSTALLED TO PROVIDE A COMPLETE REPLACEMENT OF THE ORIGINAL TO THE SATISFACTION OF THE ENGINEER.

76. ALL TREES TO REMAIN SHALL BE PROTECTED IN PLACE AND BE WATERED AND TRIMMED AS SCHEDULED BY OWNER IF ACCESS IS IMPEDED.

ROADWAY RECONSTRUCTION GENERAL NOTES

1. CURB AND GUTTER TO BE REPLACED TO MATCH EXISTING AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS.

2. JOIN NEW CURB AND GUTTER TO ASPHALT PAVEMENT PER DETAILS SHOWN OR REFERENCED. CONSTRUCT CURB AND GUTTER TYPE A1-6 (150) AND A1-8 (200) PER THE "GREENBOOK" STD PLAN 120-2 AND CITY REQUIREMENTS UNLESS OTHERWISE SHOWN.

3. JOIN NEW ASPHALT PAVING TO CURB AND GUTTER PER DETAILS SHOWN OR REFERENCED. PRIME ALL AREAS TO BE JOINED. SAWCUT ALL CONCRETE AND ASPHALT PAVING TO BE JOINED PRIOR TO DEMOLITION AND REMOVALS.

4. REPLACE ANY DAMAGED ALLEY APPROACH PER DETAIL HEREIN AS SHOWN AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS. CONCRETE TO BE 520-C-2500. MATCH EXISTING CURB AND GUTTER, SIDEWALK AND ALLEY GRADES. DAMAGED AREAS TO BE REPAIRED SHALL BE REMOVED TO THE NEXT SCORE LINE OR JOINT.

5. ANY NEW CURB AND GUTTER CONSTRUCTED AT EXISTING ASPHALT WEARING COURSE SHALL BE JOINED WITH A MINIMUM SIX INCH NOTCH PER STANDARD DETAIL.

6. DRIVEWAY APPROACHES DISTURBED BY THE WORK SHALL BE REPLACED PER DETAILS HEREIN OR GREEN BOOK STANDARDS.

7. REPLACE DISTURBED TRAFFIC LOOPS & DETECTION SYSTEM COMPLETE & OPERATIONAL.

8. COUNTY AND CITY STANDARDS SHALL BE FOLLOWED FOR STENCIL MARKING ALL CATCH BASINS OR STORM DRAIN INLETS WHICH HAVE BEEN INSTALLED OR DISTURBED BY THE CONSTRUCTION.

9. MANHOLE FRAME AND COVERS, UTILITY VAULTS, VALVE BOXES, AND OTHER UTILITY ACCESS STRUCTURES SHALL BE RAISED TO MATCH FINISH SURFACE IN ACCORDANCE WITH STANDARD SPECIFICATIONS, CITY AND COUNTY REQUIREMENTS.

10. BLUE REFLECTORS SHALL BE INSTALLED ON THE ROADWAY SURFACE AT THE REQUIRED LOCATIONS TO INDICATE THE LOCATION OF EACH HYDRANT. REFLECTORS SHALL BE IN ACCORDANCE WITH FIRE DEPARTMENT REGULATIONS.

11. ALL WORK IN COUNTY ROADWAY SHALL BE IN ACCORDANCE WITH LACDPW REQUIREMENTS AND SHALL BE INSPECTED BY LACDPW. CONTRACTOR SHALL APPLY FOR AND OBTAIN COUNTY PERMIT AT CONTRACTOR'S EXPENSE.

12. THE EXISTENCE AND LOCATION OF ANY MANHOLES, UTILITY VAULTS, PULL BOXES, WATER METERS, VALVES AND OTHER UTILITIES ARE OBTAINED THROUGH TOPOGRAPHIC SURVEY AND ARE TO BE PROTECTED WITHIN THE AFFECTED WORK AREA WITHOUT ADDITIONAL COST TO THE OWNER.

13. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC AS SPECIFIED, PER CALTRANS 84 AND PER CITY OF COMPTON REQUIREMENTS.

GENERAL SIGNAGE AND STRIPING NOTES

1. ALL STRIPING AND SIGNAGE REQUIRED TO RESTORE DAMAGE TO EXISTING SHALL BE DONE IN CONFORMANCE WITH THE APPLICABLE CALTRANS STANDARD PLANS AND PROVISIONS OF THE CALTRANS STANDARD SPECIFICATIONS, INCLUDING SECTION 84 AND CITY AND COUNTY STANDARDS AND REQUIREMENTS.

2. COMPLY WITH ALL MARKING REQUIREMENTS OF AGENCY HAVING JURISDICTION. PAVEMENT LEGENDS SHALL CONFORM TO CITY OF COMPTON STENCILS. SIGNS, STRIPES AND PAVEMENT LEGENDS SHALL BE REFLECTORIZED.

3. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 84 AND PROJECT BID DOCUMENTS.

4. STENCILS ARE REQUIRED AT ALL CATCH BASINS. CATCH BASIN MARKINGS MAY BE PAINTED.

5. REPLACE ALL SIGNAGE DAMAGED BY THE WORK IN KIND WITH NEW PER BID DOCUMENTS AND CITY / AGENCY / JURISDICTIONAL REQUIREMENTS.

TRAFFIC CONTROL AND SAFETY

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY, INCLUDING SIGNING, BARRICADES, SITE SECURITY, ACCESS, DETOURS, AND DEDICATED TRAFFIC CONTROL PERSONNEL TO PROTECT THE MOTORING AND PEDESTRIAN PUBLIC AND MAINTAIN ACCESS TO PRIVATE PROPERTY DURING WORKING AND NON-WORKING HOURS.

2. THE CONTRACTOR SHALL PREPARE AND SUBMIT A PROJECT TRAFFIC CONTROL PLAN IN CONFORMANCE WITH THE WATCH MANUAL AND THE SPECIFICATIONS WHICH SHALL BE COORDINATED WITH THE CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION, EXCAVATION, PAVING, OR OTHER OPERATIONS THAT WILL DISRUPT TRAFFIC OR ACCESS TO RESIDENCES OR BUSINESSES. PLAN SHALL BE IMPLEMENTED DURING ALL CONSTRUCTION.

3. WHERE PARKING CONTROL IS REQUIRED, APPROVED TEMPORARY DATE LIMITED NO PARKING SIGNS SHALL BE POSTED NO MORE THAN 100 FEET APART AT LEAST 72 HOURS PRIOR TO WORK.

4. DURING PAVING OPERATIONS, THE CONTRACTOR SHALL PROVIDE INDIVIDUALS OR EQUIPMENT DESIGNATED TO PERFORM AND MAINTAIN TRAFFIC CONTROL ONLY.

5. ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES OR FLAGGER CONTROL OF TRAFFIC SHALL BE IMPLEMENTED.

6. EACH EXCAVATION LEFT OVERNIGHT SHALL BE SECURED WITH PLATES PER CALTRANS AND SHALL HAVE MINIMUM 3 FLASHING BARRICADES EACH DIRECTION AT EXCAVATION AT MAXIMUM SPACING OF 20 FEET.

SEQUENCE NOTES

1. A COMPLETE SCHEDULE OF THE WORK SHOWING THE FOLLOWING SEQUENCE SHALL BE PREPARED: VERIFY & TIE OUT MONUMENTS, TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS, AND MATERIAL SUBMITTALS, SET UP FACILITIES AND LAY DOWN AREA,SURVEY AND STAKING FOR CONSTRUCTION, SAWCUT, PAVING REMOVAL AND DISPOSAL, REMOVAL OF CONCRETE IMPROVEMENTS, TRENCHING AND DISPOSAL OF EXISTING PIPE, STRUCTURES REMOVAL AND DISPOSAL, WATER MAIN CONSTRUCTION, VALVE BOX CONSTRUCTION, SERVICE CONNECTION AND CONSTRUCTION, PIPELINE TESTING, PIPELINE DISINFECTION, BACKFILL AND COMPACTION, PREPARATION OF BASE, PAVEMENT GRIND, PAVING BASE COURSE, PAVING WEAR COURSE, ADJUSTMENT OF VALVE BOXES AND RELATED COVERS/BOXES TO GRADE, RESTORATION OF CONCRETE IMPROVEMENTS, RE-STRIPING, PAVEMENT MARKER REPLACEMENT, PLACEMENT OF SIGNAGE, AS BUILTS, CLEAN UP AND MOVE OFF.

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Underground Service Alert
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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
GENERAL NOTES

JOB No. CIP#10-18/JN120S
DRAWING No. G-2
SHEET 02 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\GS- GENERAL NOTES.dwg 01/04/16 11:04am

WATER MAIN CONSTRUCTION GENERAL NOTES

1. REMOVE AND LEGALLY DISPOSE OF EXISTING ASBESTOS CEMENT PIPE. ALL LEGALLY MANDATED MEASURES SHALL BE TAKEN TO CONTAIN ALL MATERIALS FROM THE ACP. THE PUBLIC SHALL BE ISOLATED FROM ALL DEBRIS FROM THE PIPE OR ADJACENT CONTAMINATED SOILS OR OTHER MATERIALS. ADDITIONAL REQUIREMENTS ARE LISTED IN THE PROJECT SPECIFICATIONS.

2. WATER MAIN PIPE SHALL BE DUCTILE IRON MINIMUM THICKNESS CLASS 52, PRESSURE CLASS 350, DOUBLE CEMENT MORTAR LINED, UNLESS NOTED OTHERWISE.

3. ALL FITTINGS SHALL BE RATED EQUAL TO OR GREATER THAN THE REQUIRED PIPE CLASSIFICATIONS.

4. WHERE DIRECTED, REPLACE IRON RESIDENTIAL AND COMMERCIAL SERVICES SHOWN OR WHICH ARE DISTURBED OR DISCONNECTED BY THE CONSTRUCTION. ALL SERVICES SHALL INCLUDE SERVICE CLAMP, CORPORATION STOP, COPPER TYPE K TUBE, AND CURB STOP. COPPER SHALL BE FIELD BENT PER PLUMBING CODE STANDARDS. IF CONNECTION BETWEEN COPPER PIPES IS REQUIRED, SILVER SOLDER SHALL BE USED. COPPER SERVICES SHALL BE RECONNECTED AS A PART OF WATERMAIN INSTALLATION. COMPRESSION COUPLING OPTIONAL PENDING CITY APPROVAL.

5. WHERE DIRECTED, REMOVE EXISTING METER BOXES AND INSTALL NEW METER BOXES AT ALL NEW OR REPLACED RESIDENTIAL AND COMMERCIAL SERVICE CONNECTION LOCATIONS.

6. ANY SEWER LATERAL DAMAGED BY THE CONSTRUCTION SHALL BE REPLACED FROM SEWER MAIN TO RECONNECT AT SOUND PIPE. AT NO COST TO THE CITY.

7. PROVIDE NEW BLOW OFF ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS WHEN SO DIRECTED BY THE ENGINEER.

8. PROVIDE NEW COMBINATION VACUUM RELIEF / AIR RELEASE VALVE ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS OR AT HIGH POINTS WHEN SO DIRECTED BY THE ENGINEER.

9. ALL NECESSARY TRANSITION FITTINGS SHALL BE PROVIDED AND INSTALLED TO CONNECT THE NEW PIPING, VALVES, AND FITTINGS TO EXISTING PIPING AND APPURTENANCES OF DISSIMILAR MATERIALS AS AN INTEGRAL PART OF THE WORK REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

10. ALL GATE AND BUTTERFLY VALVES SHALL BE INSTALLED COMPLETE WITH VALVE BOX ASSEMBLIES WITH A CAST COVER MARKED AND PAINTED IN ACCORDANCE WITH COMPTON WATER DEPARTMENT REQUIREMENTS AND PER PLAN DETAIL.

11. CONSTRUCTION PERMIT AND ALL JURISDICTIONAL PERMITS SHALL BE OBTAINED AND PUBLIC WORKS/JURISDICTIONAL CONSTRUCTION INSPECTION SCHEDULED PER CITY AND/OR JURISDICTIONAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.

12. THRUST BLOCKS, PER APPLICABLE PLAN DETAILS, SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION OF THE PIPING (INCLUDING TEES AND PIPE CAPS). ALL THRUST BLOCKS SHALL BEAR UPON UNDISTURBED SOLID SOIL WITH A BEARING AREA PER CHART SHOWN WITH THRUST BLOCK DETAILS. GREASE ALL PIPE AND FITTING CONTACT AREAS. DO NOT COVER ANY PIPE JOINT WITH CONCRETE. UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH ADDITIONAL CONCRETE THRUST BLOCK MATERIAL. SHOULD EXTENSIVE UNSUITABLE SOIL BE ENCOUNTERED, THE WORK SHALL BE SUSPENDED AND THE ENGINEER NOTIFIED. WORK SHALL BE DISCONTINUED IN THE IMMEDIATE AREA UNTIL WRITTEN DETERMINATION MADE. VERTICAL DIRECTION CHANGE OR FITTINGS SHALL BE STRAPPED PER DETAILS.

13. ANY VALVE OR FITTING INSTALLED FOR FUTURE USE SHALL BE PRESSURE CAPPED, PLUGGED, OR BLIND FLANGED TO SECURE THE LINE AND PREVENT LEAKAGE. THRUST BLOCK SHALL BE INSTALLED.

14. ALL FIRE HYDRANT INSTALLATIONS INCLUDE CONNECTION TO THE WATER MAIN, THRUST BLOCKS, CUT IN, NEW TEE, ALL PIPE AND FITTINGS, NEW 6" CUT OFF GATE VALVE, VALVE BOX COMPLETE PER DETAIL INCLUDING CONCRETE COLLAR, 6" CLOW MODEL 850 WET BARREL HYDRANT, CONCRETE PAD, BREAKAWAY BOLTING, DISINFECTION, TESTING, DEMOLITION AND DISPOSAL, PAVING REMOVAL, TRENCHING, INSTALLATION, BACKFILL, PAVING AND IMPROVEMENTS RESTORATION, AND ALL APPURTENANCES COMPLETE IN PLACE OPERATIONAL AND ACCEPTABLE TO THE CITY AND THE COUNTY FIRE DEPARTMENT. NEW, RELOCATED OR RECONDITIONED HYDRANTS WHERE PAINTING SYSTEM NOT SPECIFIED SHALL BE PAINTED WITH TWO COATS OF ZINC CHROMATE PRIMER AND TWO COATS OF INDUSTRIAL SEVERE SERVICE ENAMEL IN SCHOOL BUS / CAUTION YELLOW PER CITY AND WATER DEPARTMENT STANDARDS. RELOCATED HYDRANTS SHALL BE RECONDITIONED TO A NEW CONDITION. FITTINGS AND VALVES SHALL NOT BE REUSED. BACKFILL ABOVE PIPE ZONE TO BASE OF IMPROVEMENT SHALL BE SLURRY.

15. CONTRACTOR SHALL PROVIDE ALL NECESSARY ASSISTANCE, MATERIALS AND EQUIPMENT FOR ANY FIRE DEPARTMENT REQUIRED PROOF TESTING. HYDRANT FAILING TO MEET THE FIRE DEPARTMENT STANDARDS OR TESTING SHALL BE CORRECTED OR REPLACED AND RETESTED TO FIRE DEPARTMENT SATISFACTION.

16. TEE CUT REQUIRED FOR ASPHALT CONCRETE PAVING REPAIR AT ALL TRENCH AND EXCAVATION IN PAVED AREAS. ALL EDGES SHALL BE SAWCUT TO RECTANGULAR PATTERN AFTER TRENCH IS BACKFILLED AND BEFORE ASPHALT REPAIR. PRIME ALL CONTACT AREAS. IF TRENCH EDGE IS WITHIN FOUR FEET OF GUTTER OR CURB CONTINUE THE 2 INCH GRIND TO EDGE OF PAVEMENT, OR REMOVE AND REPLACE PAVING FROM TRENCH TO GUTTER. REPLACEMENT AC SHALL BE OF MINIMUM THICKNESS SHOWN AND 1 INCH GREATER IN THICKNESS THAN THE EXISTING SECTION. ASPHALT REMOVED SHALL BE DISPOSED OFFSITE AND MAY NOT BE USED IN BACKFILL.

17. TRENCH CUT IN EXISTING PCC STREET OR ALLEY SHALL BE SAWCUT BEFORE REMOVAL OF ROADWAY SURFACE. CONCRETE SHALL BE LEGALLY DISPOSED OF OFFSITE AND MAY NOT BE USED IN BACKFILL. PCC SHALL BE SAWCUT TO PROVIDE STRAIGHT RECTANGULAR JOINTS. BASE MATERIAL REMOVED SHALL BE REPLACED WITH CONCRETE. NEW CONCRETE ROADWAY MINIMUM 1" GREATER IN THICKNESS THAN THE EXISTING SECTION AND A MINIMUM 6" THICKNESS SHALL BE CONSTRUCTED WITHIN THESE LIMITS. EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM SPACING OF 30 FEET. CONCRETE SHALL BE 520-A-2500 MINIMUM.

18. REMOVE EXISTING WATER PIPE, FITTINGS, APPURTENANCES, VALVES AND DISPOSE OFF-SITE. ALL EXCAVATION AND DEMOLITION, REMOVAL TRANSPORT AND DISPOSAL SHALL BE IN ACCORDANCE WITH LEGAL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO SCAQMD, OSHA, CAL-OSHA, HEALTH DEPARTMENT, STATE, FEDERAL AND LOCAL REQUIREMENTS. PIPE REMOVAL INCLUDES ALL APPURTENANCES. REPLACE WITH NEW DUCTILE IRON PIPE, FITTINGS, VALVES, SERVICES, HYDRANTS, APPURTENANCES AND CONNECTIONS OF THE SIZES, TYPES AND CONFIGURATIONS SHOWN AND SPECIFIED. GROUP NEW VALVES AT TEE/ CROSS WHEREVER POSSIBLE.

19. CONTRACTOR TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS WHOSE WATER SERVICE WILL BE AFFECTED BY THE CONSTRUCTION 72 HOURS PRIOR TO DISCONTINUANCE OF SERVICE, THEN AT 24 HOURS IN ADVANCE OF SHUT OFF AND CHANGE OVER. HIGHLINE SERVICES REQUIRED FOR ALL AFFECTED OCCUPANTS.

20. WHERE STEEL PIPE INSTALLATION IS REQUIRED, IT SHALL BE DOUBLE CEMENT MORTAR LINED (AND EPOXY OR CEMENT MORTAR COATED AS SHOWN OR REQUIRED), WELDED CONNECTIONS AND COMPLETELY PATCHED INSIDE AND OUT PRIOR TO ACCEPTANCE AND BEING PLACED IN SERVICE. PRESSURE TEST AND DISINFECTION REQUIRED PER AWWA.

21. BACKFILL AT WATER MAINS ABOVE PIPE ZONE TO LOWER LIMIT OF PAVING SHALL BE THREE QUARTER SACK SAND CEMENT SLURRY ABOVE PIPE ZONE BEDDING.

22. INSTALLATION OF HDPE PIPE BY DIRECTIONAL DRILLING AT INTERFERING UTILITY CROSSING LOCATIONS MAY BE PERMITTED AS OPTIONAL METHOD SUBJECT TO APPROVAL BY JURISDICTIONAL AUTHORITIES. SUBMITTAL OF METHOD REQUIRED. SDR/DR AS REQUIRED BY ENGINEER.

SEWER CONSTRUCTION GENERAL NOTES

1. SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND PUBLIC WORKS CONSTRUCTION INSPECTION SCHEDULED PER CITY REQUIREMENTS. PERMIT FROM OTHER JURISDICTIONS FOR EXCAVATION IN STREETS IS RESPONSIBILITY OF CONTRACTOR.

2. THE CONTRACTOR SHALL PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE STATIONED ON THE LINE CONNECTING THE CENTERLINE OF MANHOLES SHOWING LATERALS.

3. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "G" IN ACCORDANCE WITH SECTION 208-2 OF THE STANDARD SPECIFICATIONS.

4. HOUSE LATERALS TO BE REPLACED SHALL BE CONSTRUCTED TO PROPERTY LINE AND CONNECTED OR CAPPED AS REQUIRED. ALL CONNECTION PER LACSD AND CITY STANDARDS. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED. FOR POWER POLE WITHIN THREE FEET OF THE SEWER PIPE, THE SEWER SHALL BE ENCASED PER LACDPW STANDARD PLAN 2023-2, CASE II, FOUR FEET EACH WAY FROM LIMITS OF POLE.

5. CONNECTIONS BETWEEN VITRIFIED CLAY AND CAST/DUCTILE IRON PIPES SHALL BE MADE USING RUBBER SLEEVE JOINT, TYPE "D" PER STANDARD SPECIFICATIONS SECTION 208-2. BUSHING INSTALLED IF REQUIRED.

6. SEWER WYE AND LATERAL DETAILS AND STANDARD DETAILS ARE SHOWN OR REFERENCED. NEW LATERAL FROM NEW SEWER TO JOIN PER DETAIL. LATERALS AND WYES TO BE LOCATED AT LEAST FIVE FEET APART AND MINIMUM FIVE FEET FROM ANY MANHOLE IN ACCORDANCE WITH LOS ANGELES COUNTY PUBLIC WORKS AND LACSD STANDARDS.

7. VITRIFIED CLAY PIPE LATERALS OR SEWERS FOUND TO HAVE LESS THAN FOUR FEET OF COVER SHALL BE ENCASED PER LOS ANGELES COUNTY STANDARD PLAN 2023-2, CASE II, AS A PART OF THE SEWER MAIN LINE CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

8. WHERE PVC SEWER IS ALLOWED, PIPE SHALL BE SDR 26 OR HEAVIER AND BE SPECIFICALLY APPROVED FOR SANITARY SEWER SERVICE. DETAILED SUBMITTAL AND APPROVAL, PRIOR TO USE, ARE NECESSARY.

9. FOR SEWER PIPES WITHIN THE VICINITY OF POTABLE WATER PIPES, REFER TO AND COMPLY WITH THE COUNTY DEPARTMENT OF HEALTH, COUNTY PUBLIC WORKS, CA DEPT. OF HEALTH AND THE STANDARD DETAILS HEREIN.

10. MANHOLES PRECAST PER APWA STANDARD PLAN 200-2 OR PER L.A. COUNTY DEPT. OF PUBLIC WORKS STANDARD PLAN 2003-2 EXCEPT AS NOTED OR DETAILED OTHERWISE. MANHOLES AT LACSD CONNECTION POINTS SHALL MEET LACSD REQUIREMENTS.

11. RESURFACE/REPLACE PAVED SURFACES AS SHOWN AND PER STANDARD DETAILS. LOCAL INSPECTION AND JURISDICTIONAL AGENCY INSPECTION REQUIRED. TEE CUT AND ALL REQUIREMENTS FOR JOINING EXISTING SHALL BE ENFORCED. PERMIT FOR WORK IN COUNTY STREETS REQUIRED AT CONTRACTOR'S EXPENSE.

12. BACKFILL IN STREET SHALL BE IN FULL COMPLIANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 217-2. EXCEPT AS MODIFIED HEREIN. CERTIFICATION OF THE BACKFILL MATERIALS AND COMPACTION SHALL BE PERFORMED BY AN INDEPENDENT AND CERTIFIED TESTING SERVICE AND LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND APPROVED BY THE CITY AND THE ENGINEER. ALL COMPLIANCE TEST RESULTS SHALL BE SUBMITTED, THREE RING BOUND, TO THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.

13. BACKFILL OUTSIDE OF PAVED, RIGHT OF WAY, OR IMPROVED AREAS SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D 1557-78, METHOD "D" UNLESS OTHERWISE SPECIFIED. THE COMPLIANCE TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND ACCEPTABLE TO THE CITY ENGINEER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE CITY BOUND CHRONOLOGICALLY IN A 3 RING BINDER PRIOR TO PROJECT ACCEPTANCE BY THE CITY.

14. TOP OF MANHOLE TO BE SIX (6") INCHES ABOVE FINISHED GRADE IN ANY UNIMPROVED RIGHT OF WAY.

15. LEAKAGE TESTING TO BE PER SECTION 306-7.8.2.4. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION UNLESS MORE STRINGENT TESTING IS SPECIFIED OR REQUIRED BY LOCAL REGULATION, LACDPW OR LACSD.

16. COMPLIANCE WITH THE MOST STRINGENT OF LOS ANGELES COUNTY SEWER STANDARDS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OR PLANS AND SPECIFICATIONS IS REQUIRED UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER.

17. ANY CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE MUST HAVE BEEN ISSUED A COUNTY SANITATION DISTRICTS PERMIT FOR INDUSTRIAL WASTE DISCHARGE AND A COPY THEREOF MUST BE ON SITE FOR INSPECTION BY LOCAL JURISDICTION.

18. BEFORE CONSTRUCTION OF A CONNECTION TO A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT THE LOS ANGELES COUNTY SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED FOR INSPECTION, (TELEPHONE # (310) 638-1161). RECORD OF INSPECTION AND SIGN OFF BY SANITATION DISTRICT IS TO BE SUBMITTED PRIOR TO PROJECT CLOSE OUT.

19. REQUIREMENTS FOR WORKING IN CONFINED SPACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AS AMENDED BY THE SANITATION DISTRICTS AND WITH THE REQUIREMENTS OF Cal/OSHA.

20. SEWER MANHOLES SHALL BE ADJUSTED TO GRADE AS NECESSARY BY THE ADDITION OF PRECAST RINGS OR FORMED CAST IN PLACE CONCRETE AND SHALL BE FINISHED WITH CONCRETE SURFACE TO MATCH EXISTING ASPHALT. FERROUS RAISING RINGS NOT ALLOWED.

21. MANHOLE COVERS SHALL BE PER CITY OR AGENCY STANDARD AND SHALL INCORPORATE THE NAME AND DESIGNATIONS REQUIRED BY THE CITY OR AGENCY.

22. CONTRACTOR TO FIELD LOCATE AND CONNECT ALL EXISTING SEWER LATERALS TO NEW SEWER MAIN LINE. AS A PART OF MAINLINE CONSTRUCTION, CONNECTIONS SHALL BE PER LACSD AND CITY STANDARDS.

23. CONTRACTOR TO PROVIDE A BYPASS OR ALTERNATE METHOD TO MAINTAIN SEWER SERVICEABILITY WHILE CONSTRUCTING NEW SEWER MAIN SEGMENTS IN ACCORDANCE WITH CITY NPDES PERMIT. SUBMIT PROPOSED METHOD FOR REVIEW BY ENGINEER & CITY 72 HOURS PRIOR TO CONSTRUCTION. METHODS TO BE IN ACCORDANCE WITH CITY GENERAL NPDES PERMIT.

24. CONTRACTORS TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS THAT WILL BE AFFECTED BY THE CONSTRUCTION FOR EACH SEWER SEGMENT 72 HOURS, THEN AT 24 HOURS IN ADVANCE OF INTERRUPTIONS.

LEGEND:

ABAN	ABANDONED	FP	FINISH PAVEMENT	PT	POINT	UTIL CAB	UTILITY CABINET
AC	ACCEPTED	FS	FINISH SURFACE	PTS	POINTS	V	VALVE
AC, ACC	ASPHALTIC CONCRETE	FT	FEET	PT.COM.	POINT OF COMMENCEMENT	VAC	VACATION
ACP	ASBESTOS CEMENT PIPE	FW	FRONT OF WALK	PTR	PRELIMINARY TITLE REPORT	VCP	VITRIFIED CLAY PIPE
ADA	AMERICANS WITH DISABILITY ACT	G	GAS LINE	PUN	PUNCHED	VG	VALLEY GUTTER
AP	ANGLE POINT	GA	GUY ANCHOR	PVC	POLYVINYL CHLORIDE	VLT	VAULT
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	GALV.	GALVANIZED	PVMT.	PAVEMENT	W	WATER LINE
		GFA	GROSS FLOOR AREA	PWD	PARKWAY DRAIN	W	WEST
ARV	AIR RELEASE VALVE	GM , ⧗	GAS METER	PWFB	PUBLIC WORKS FIELD BOOK	W/	WITH
AVE	AVENUE	GP	GUARD POST	R	RECORD	WLY	WESTERLY
AWWA	AMERICAN WATER WORKS ASSOCIATION	GTE	GENERAL TELEPHONE CONDUIT	R	RADIUS	WA	WATER ASSEMBLY
		GTE MH	GENERAL TELEPHONE MANHOLE	R 11 W	RANGE 11 WEST	WDF	WOOD FENCE
BC	BEGINNING OF CURVE	GTE VLT	GENERAL TELEPHONE VAULT	RAD	RADIAL	WIF	WROUGHT IRON FENCE
BCM	BUILDING CORNER-METAL	GV	GATE VALVE	R.C.B.	REINFORCED CONCRETE BOX	WM	WATER METER
BFP	BACKFLOW PREVENTION DEVICE	HC	HANDICAP	RCE	REGISTERED CIVIL ENGINEER	WSO	WATER SHUT OFF VALVE
BFV	BUTTERFLY VALVE	HCR	HANDICAP RAMP	RCLW	RECLAIMED WATER LINE	WV	WATER VALVE
BK.	BOOK	HDPE	HIGH-DENSITY POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE	W VLT	WATER VAULT
BLDG	BUILDING	HWF	HOG WIRE FENCE	RD	ROOF DRAIN	X-ARM	CROSS ARM
BLVD	BOULEVARD	ICB	IRRIGATION CONTROL BOX	R.D.	ROAD DEPARTMENT		
BMPs	BEST MANAGEMENT PRACTICES	ICV	IRRIGATION CONTROL VALVE	RDFB	ROAD DEPARTMENT FIELD BOOK		
BR	BRASS	ILLEG	ILLEGIBLE	REC	RECORD		
BRMP	BOTTOM OF RAMP	IN	INCHES, INLET	REF	REFERENCE		
BSTP	BOTTOM STEP	INST. NO.	INSTRUMENT NUMBER	RET	RETAINING		
BV / BFV	BUTTERFLY VALVE	INT-INTER	INTERSECTION	RR	RAILROAD		
BW	BACK OF WALK	INV	INVERT	R.S.B.	RECORD OF SURVEY BOOK		
BWF	BARBED WIRE FENCE	IP	IRON PIPE	R/W	RIGHT OF WAY		
CA, CAL	CALIFORNIA	L	LENGTH	RWQCB	REGIONAL WATER QUALITY CONTROL BOARD		
CAB	CRUSHED AGGREGATE BASE	LACDPW	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS	S	SEWER LINE		
CADT	CALIF. DEPT. OF TRANSPORTATION			S	SOUTH		
CATV	CABLE TELEVISION	LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	SBL	SETBACK LINE		
CI/CIP	CAST IRON PIPE			S.B.M.	SAN BERNARDINO MERIDIAN		
C&G	CURB AND GUTTER	LACSD	LOS ANGELES COUNTY SANITATION DISTRICT	S'LY	SOUTHERLY		
CB	CATCH BASIN			S&W	SPIKE & WASHER		
CC & R's	COVENANTS, CONDITIONS AND RESTRICTIONS	LACE	LOS ANGELES COUNTY ENGINEER	SCAQMD	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		
		LACS	LOS ANGELES COUNTY SURVEYOR				
CEFB	CITY ENGINEER'S FIELD BOOK	LD	LEGAL DESCRIPTION				
CF	CURB FACE	LF	LINEAR FOOT	SCE	SOUTHERN CALIFORNIA EDISON CO.		
C.F.	CALCULATED FROM	LIP	LIP OF GUTTER	SCO	SEWER CLEAN OUT		
CHIS.	CHISELED	LP	LIGHT POLE	SD	STORM DRAIN		
C/L, Ç ,C	CENTERLINE, CENTER	LS	LICENSED SURVEYOR	SDR	STANDARD DIMENSION RATIO		
CLF	CHAIN LINK FENCE	L&T	LEAD AND TACK	SE	SAND EQUIVALENT		
CMB	CRUSHED MISCELLANEOUS BASE	LT&T	LEAD TACK AND TAG	SE	SOUTHEAST		
CMC	CEMENT MORTAR COATED	LTLT	LOT LIGHT	SE'LY	SOUTHEASTERLY		
CML	CEMENT MORTAR LINED	LT STD	LIGHT STANDARD	SEC	SOUTHEAST CORNER		
CML&C	CEMENT MORTAR LINED & COATED	M	MEASURED	SEC 7	SECTION 7		
CML&E	CEMENT MORTAR LINED & EPOXY COATED	MAX	MAXIMUM	SF	SQUARE FEET		
		M.B.	MAP BOOK	SFN	SEARCHED, FOUND NOTHING		
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	SHT	SHEET		
CO.ENG.FB	COUNTY ENGINEER'S FIELD BOOK	MIN	MINIMUM	SLCB	STREET LIGHT CONTROL BOX		
CONC	CONCRETE	MON	MONUMENT	SLPB	STREET LIGHT PULL BOX		
COR	CORNER	MS	MOW STRIP	SMH	SEWER MANHOLE		
CSFB	COUNTY SURVEYOR'S FIELD BOOK	MUTCD	MANUAL ON TRAFFIC CONTROL DEVICES	SP	SIGN POST		
CD	CURB DRAIN	MW	MONITORING WELL	SPECS	SPECIFICATIONS		
D, △	DELTA=CENTRAL ANGLE	(N)	NEW	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
D, DIA	DIAMETER	N	NORTH				
DCV	DETECTOR CHECK VALVE	N'LY	NORTHERLY	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK)		
DED	DEDICATION	N.A.P.	NOT A PART				
DEPT.	DEPARTMENT	NE	NORTHEAST	ST	STREET		
DESC	DESCRIBED	NEC	NORTHEAST CORNER	ST LT	STREET LIGHT		
DI	DROP INLET	NE'LY	NORTHEASTERLY	STD	STANDARD		
DIP	DUCTILE IRON PIPE	NG	NATURAL GROUND	SW	SOUTHWEST		
DIST	DISTANCE	NO.	NUMBER	SWC	SOUTHWEST CORNER		
DN	DOWN	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	SW'LY	SOUTHWESTERLY		
DOC. NO.	DOCUMENT NO.			SW&T	SPIKE WASHER & TIN		
DR	DIMENSION RATIO	NW	NORTHWEST	S/W	SIDEWALK		
DWG	DRAWING	NWC	NORTHWEST CORNER	T	TANGENT		
DRWY	DRIVEWAY	NW'LY	NORTHWESTERLY	T 3 S	TOWNSHIP 3 SOUTH		
(E)	EXISTING	OH	OVERHEAD	TB	TOP OF BERM		
E	EAST	OIL W.W.	OIL WASTE WATER LINE	TC	TOP OF CURB		
E'LY	EASTERLY	O.R.	OFFICIAL RECORDS	TAN	TANGENT		
EB	ESTABLISHED BETWEEN	O/S	OFF SET	TE	TRASH ENCLOSURE		
EBFM	ESTABLISHED BETWEEN	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TELE	TELEPHONE		
EBP	ESTABLISHED BY PRORATION			TELE SW B	TELEPHONE SWITCH BOX		
EC	EDGE OF CONCRETE	PA	PLANTER AREA	TG	TOP OF GRATE		
EC	END OF CURVE	PB	PULL BOX	10" TR	10" DIAMETER TREE		
EF	ESTABLISHED FROM	PCC	POINT OF COMPOUND CURVE	TMH	TELEPHONE MANHOLE		
ELEC	ELECTRIC	PCC	PORTLAND CEMENT CONCRETE	TOE	TOE OF SLOPE		
ELEV.	ELEVATION	PCL	PARCEL	TOP	TOP OF SLOPE		
EM	ELECTRIC METER	PED	PEDESTAL	TP	TELEPHONE POLE		
EMH	ELECTRIC MAN HOLE	PG.	PAGE	T.P.O.B.	TRUE POINT OF BEGINNING		
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	TR	TRACK		
EPB	ELECTRIC PULL BOX	PIV	POST INDICATOR VALVE	TRANS	TRANSFORMER		
ESMT	EASEMENT	PKWY	PARKWAY	T	TRANSITE PIPE		
EST	ESTABLISHED	PL	PROPERTY LINE	TS	TRAFFIC SIGN		
EXIST, (E)	EXISTING	PM	PROPORTIONATE MEASUREMENT	TSCB	TRAFFIC SIGNAL CONTROL BOX		
FAR	FLOOR AREA RATIO	P.M.	PARCEL MAP	TSPB	TRAFFIC SIGNAL PULL BOX		
FB	FIELD BOOK	P.M.B.	PARCEL MAP BOOK	TSTP	TOP STEP		
FC	FLOOD CONTROL	P.O.B.	POINT OF BEGINNING	TVLT	TELEPHONE VAULT		
FD	FOUND MONUMENTS	POC	POINT ON CURVE	TW	TOP OF WALL		
FDC	FIRE DEPARTMENT CONNECTION	P.O.C.	POINT OF CONNECTION	TWC	TOP OF CONCRETE WALL		
FF	FINISHED FLOOR ELEVATION	P.O.L.	POINT ON LINE	TYP.	TYPICAL		
FH	FIRE HYDRANT	POS	POINT ON SLOPE	U.D.	UTILITY DROP		
FL	FLOW LINE	PP	POWER POLE	UDG	UNDERGROUND CONDUIT		
FL IFOB	FL AT INSIDE WALL CB	PRC	POINT OF REVERSE CURVE	ULT.	ULTIMATE		
FNC	FENCE	PROD	PROLONGATION	UTIL	UTILITY		
F/O	FIBER OPTIC	PROP	PROPOSED	UTIL B	UTILITY BOX		

SYMBOLS:

- ABOVE GRADE CONTROL BOX
- AIRCONDITIONING UNIT
- CABLE TV BOX
- CATCH BASIN
- COLUMN
- DRAIN
- ELECTRIC MANHOLE
- EXISTING GRADE
- FINISH GRADE 75.90
- FIRE CONTROL VALVE
- FIRE DEPT. CONN. (FDC)
- FIRE HYDRANT - PROPOSED
- FIRE HYDRANT - EXISTING
- GAS METER
- GAS VALVE
- GATE POST
- GATE VALVE, EXISTING, WITH CITY OF COMPTON ID # 123
- GATE VALVE - PROPOSED
- IRRIGATION VALVE
- LIGHT STANDARD/ PED. CROSSING LIGHT
- MAIL BOX
- MONITORING WELL
- PARKING METER
- POST
- POWER POLE
- POWER POLE ANCHOR
- PULL BOX
- SEWER CL OUT
- SEWER MANHOLE
- SIGN POST
- STORM DRAIN MANHOLE
- STREET LIGHT
- STREET LIGHT BOX
- TEL (PUBLIC PHONE)
- TEL BOX
- TELECOM PULL BOX
- TELEPHONE MANHOLE
- TRAFFIC LIGHT
- TRAFFIC LIGHT CONTROL BOX
- TRAFFIC LIGHT WITH ARM
- TRAFFIC LIGHT WITH STREET LIGHT
- TREES
- VENT
- WATER MANHOLE
- WATER METER
- WATER VALVE - EXISTING
- WATER VAULT

- CONCRETE
- AGGREGATE BASE
- UNDISTURBED SOIL
- COMPACTED SOIL
- VEGETATED AREA
- ASPHALT
- GRIND/REPAVE
- BACKFILL
- SAND/PIPE ZONE BACKFILL
- SAND/PIPE ZONE BACKFILL
- 3/4 SACK SLURRY
- PROPERTY LINE
- CENTERLINE
- FENCE
- WALL
- BUILDING EDGE
- GAS
- SEWER
- WATER - PROPOSED
- WATER - EXISTING
- STORM DRAIN
- RAILROAD

Underground Service Alert
CALL TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU — REGISTERED PROFESSIONAL ENGINEER — No. 56857 Exp. 06-30-17 — STATE OF CALIFORNIA — CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
1-7-16
GLEN W.C KAU , P.E. — LICENSE No. C-56857 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

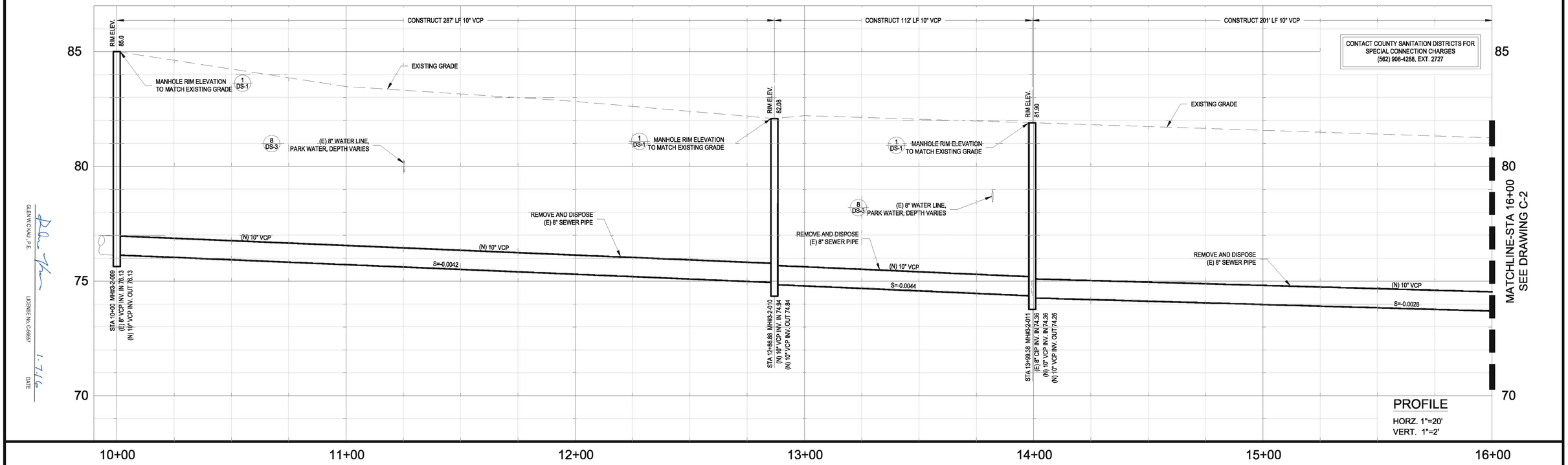
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

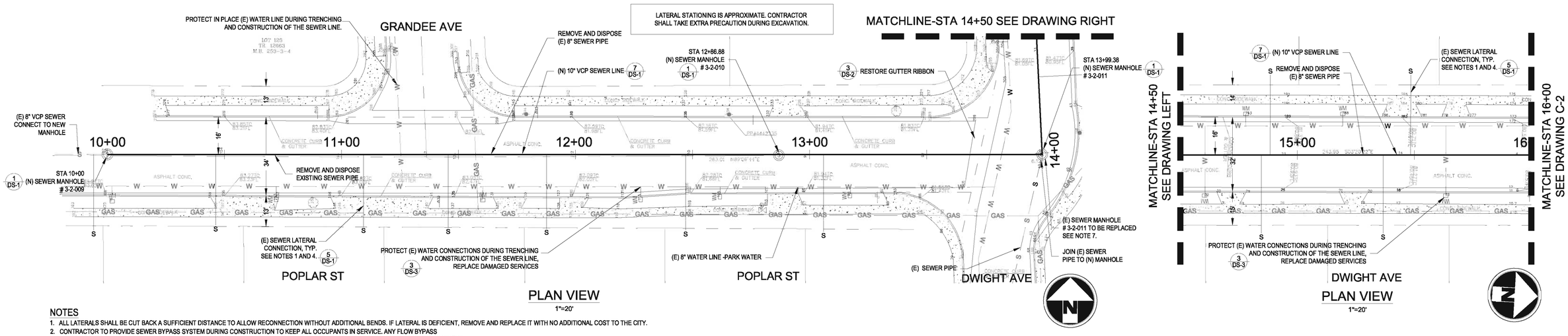
COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
GENERAL NOTES, LEGEND AND SYMBOLS

JOB No. CIP#10-18/JN120S
DRAWING No. G-3
SHEET 03 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\03-GENERAL NOTES, SYMBOLS.dwg 01/04/16 11:05am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1.7.16



NOTES

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CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

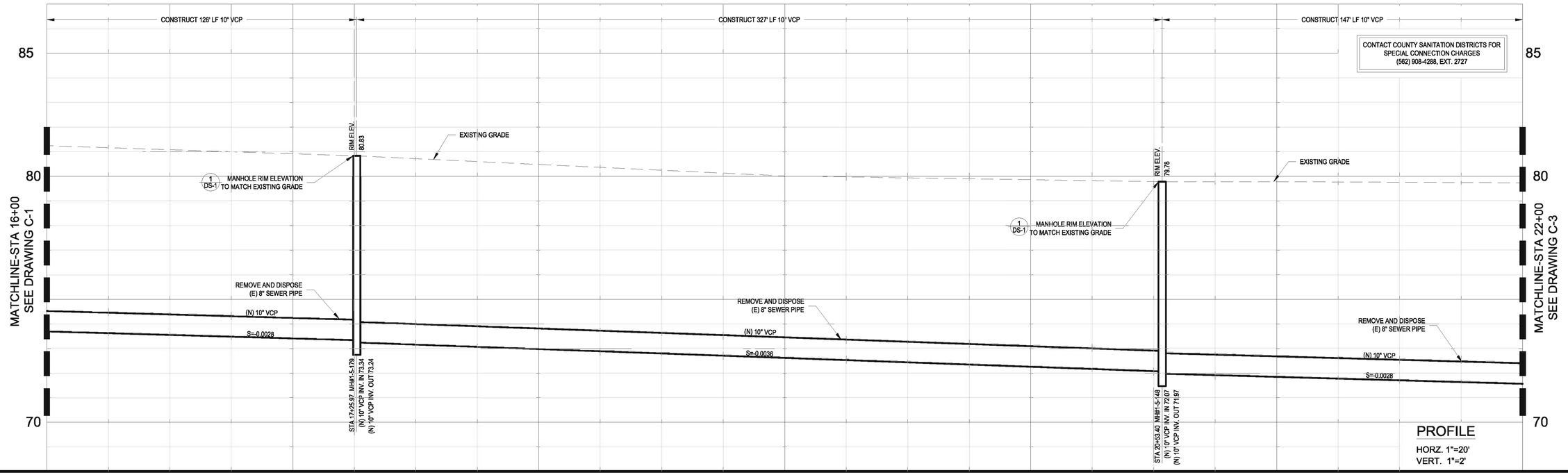
NO.	REVISION DESCRIPTION	APP.	DATE

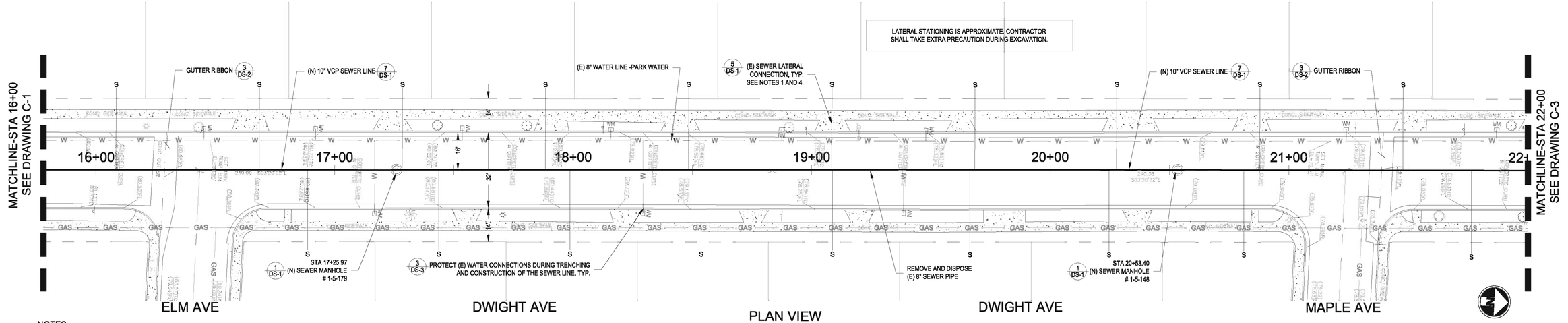
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
POPLAR ST / DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-1
SHEET 04 OF 17 SHEETS

Z:\CS PROJECTS\Compton Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT04-C1.dwg 01/04/16 11:07am





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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

CALL BEFORE YOU DIG — Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 STATE OF CALIFORNIA CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

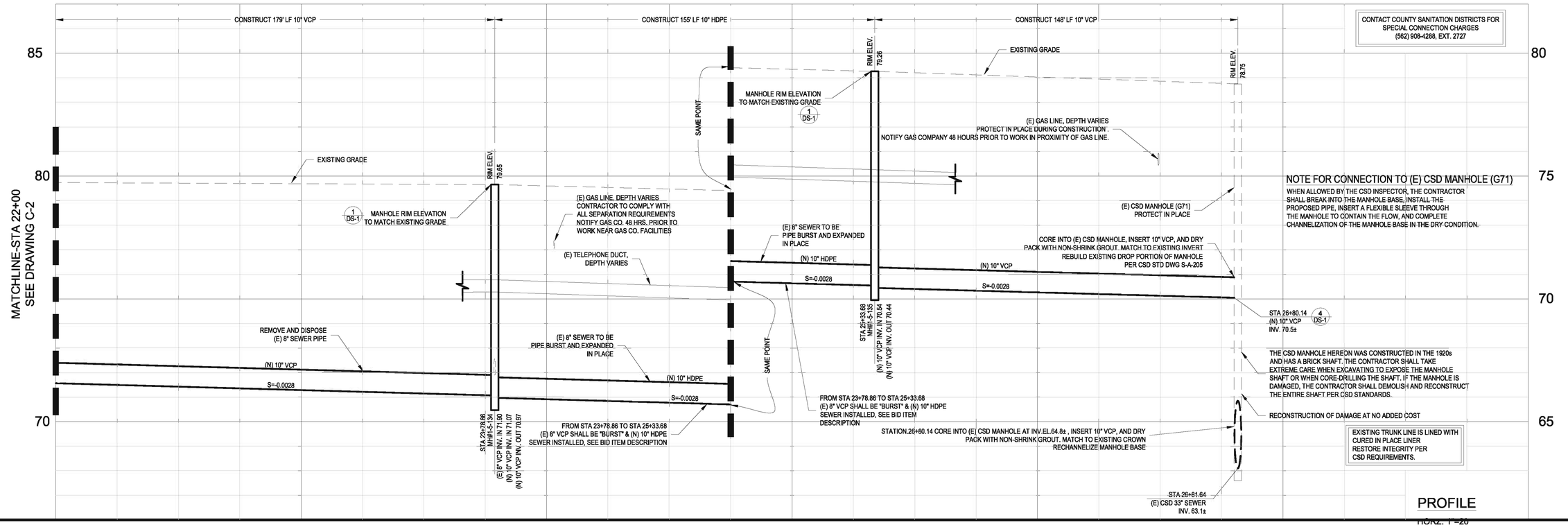
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
DWIGHT AVE
PLAN AND PROFILE
STA 16+00 TO 22+00

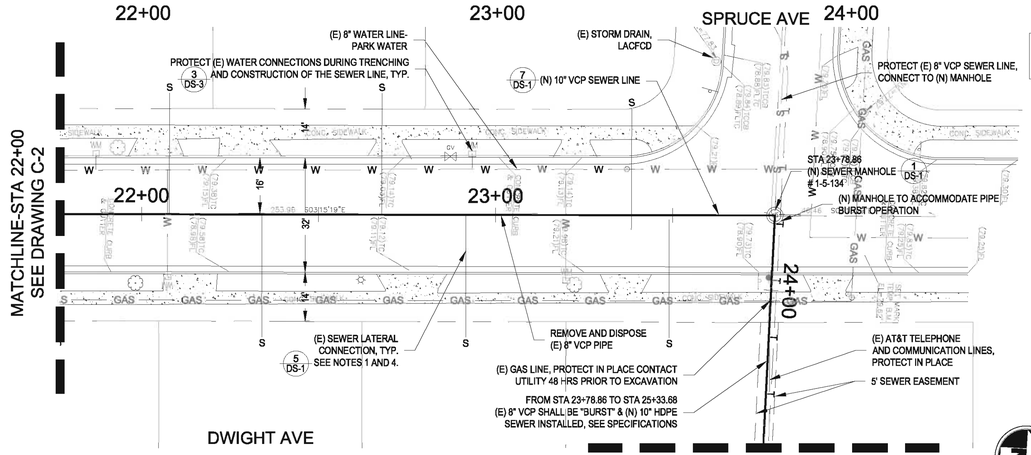
JOB No. CIP#10-18/JN120S
DRAWING No. **C-2**
SHEET 05 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER.dwg 10CS-SHT05-C2.dwg 01/04/16 11:09am

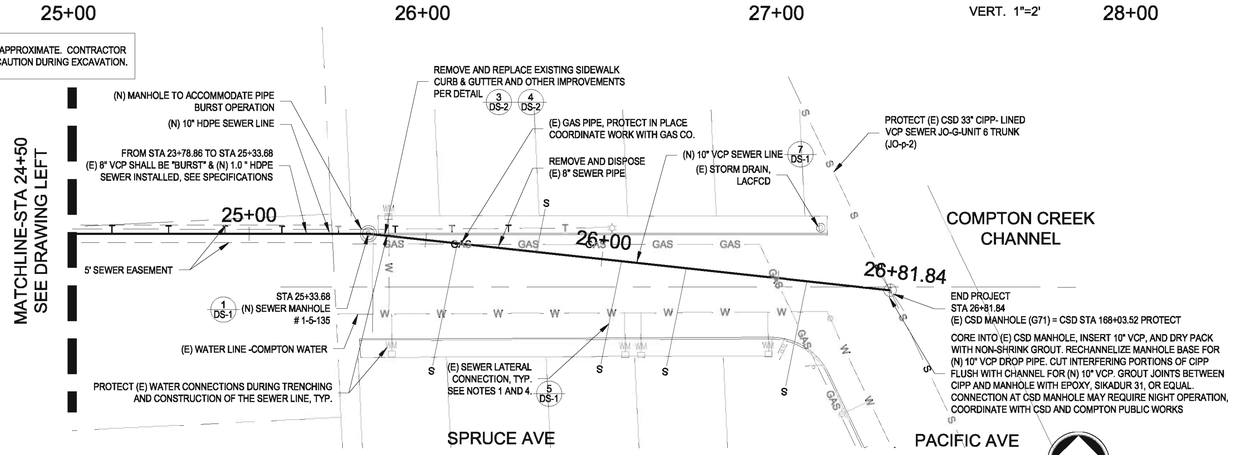


PROFILE

HORZ. 1"=20'
VERT. 1"=2'



LATERAL STATIONING IS APPROXIMATE. CONTRACTOR SHALL TAKE EXTRA PRECAUTION DURING EXCAVATION.



PLAN VIEW

1"=20'

0 10 20 40 60

1"=20'

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9. PIPE BURSTING METHOD SHALL BE PERFORMED IN A MANNER THAT WILL MINIMIZE MOVEMENT OF THE GROUND.
10. SHOULD ANYTHING PREVENT COMPLETION OF CONSTRUCTION OR PIPE BURSTING METHOD. THE REMAINDER OF THE PIPE LINE SHALL BE CONSTRUCTED BY THE METHOD APPROVED BY THE CITY.
11. CONTRACTOR SHALL SUBMIT CONSTRUCTION PLAN INCLUDING EXACT LOCATION AND SIZE OF SENDING / RECEIVING PITS FOR CITY APPROVAL. SUBMITTAL SHALL INCLUDE SHEETING / SHORING CALCULATIONS.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: GLEN W. C. KAU No. 56657 Exp. 06-30-12 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

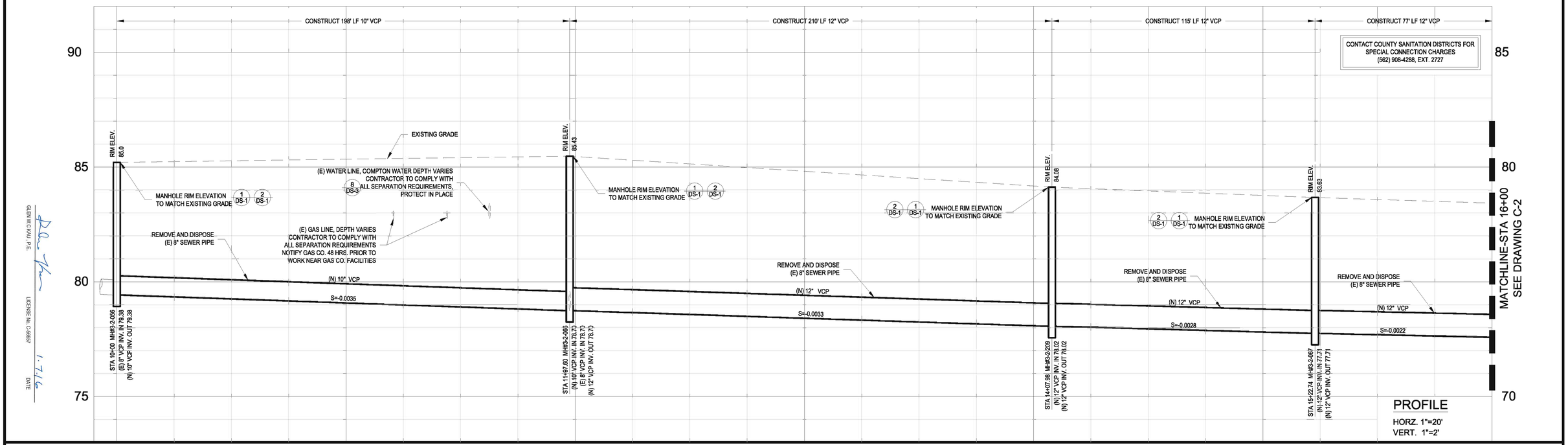
CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

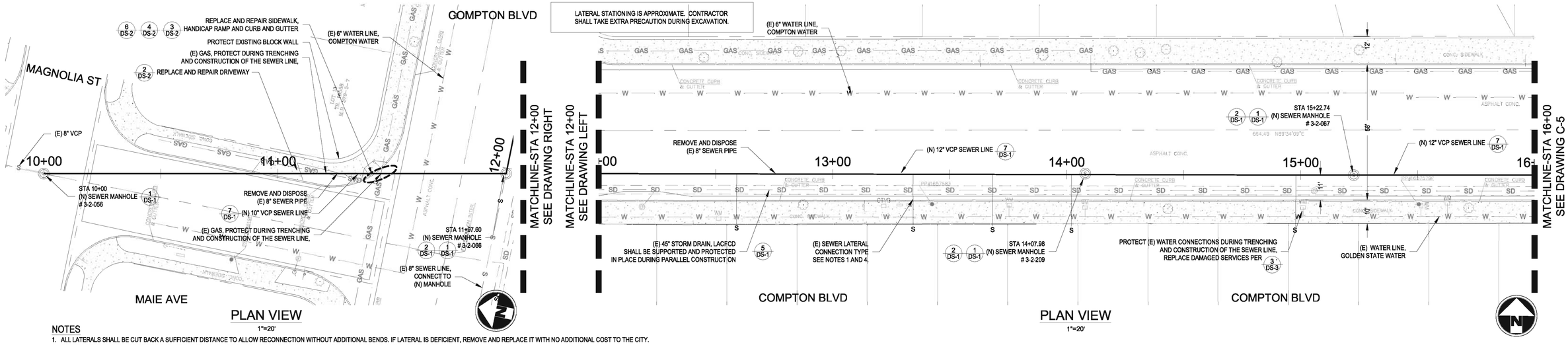
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S
DRAWING No. C-3
SHEET 06 OF 17 SHEETS

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
DWIGHT AVE / SPRUCE AVE / PACIFIC AVE
PLAN AND PROFILE
STA 22+00 TO 26+81.84

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT06-C3.dwg 01/04/16 11:10am



GLEN W.C KAU, P.E. — LICENSE No. C-56657 — DATE 1-7-16



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0 10 20 40 60
1"=20'

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. — LICENSE No. C-56657 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

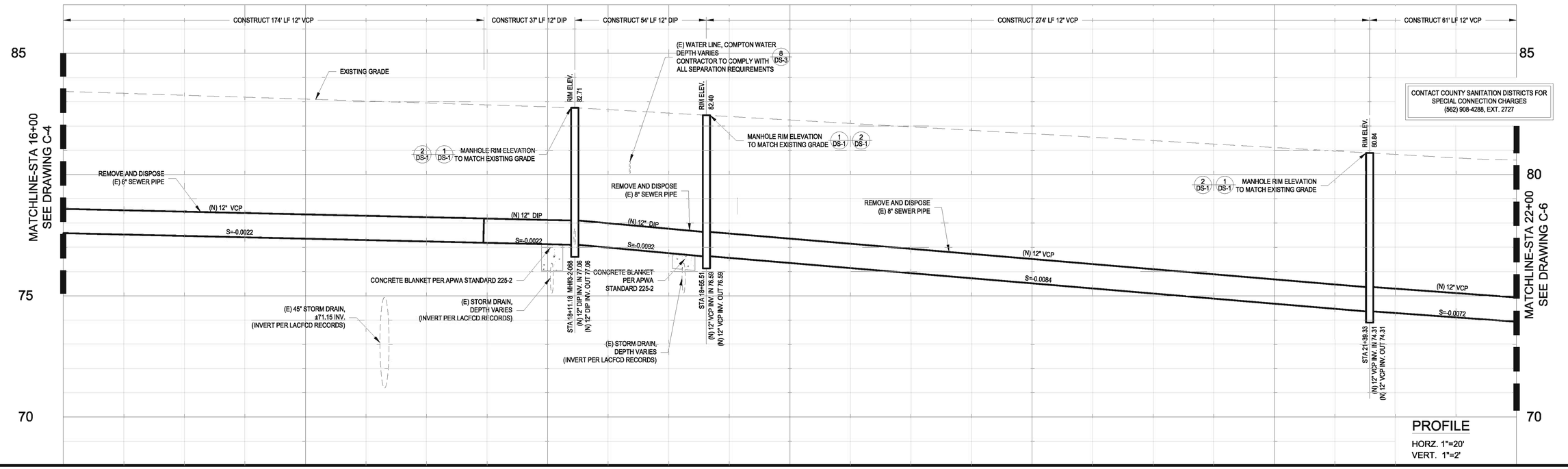
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
MAIE AVE / COMPTON BLVD
PLAN AND PROFILE
STA 10+00 TO 16+00

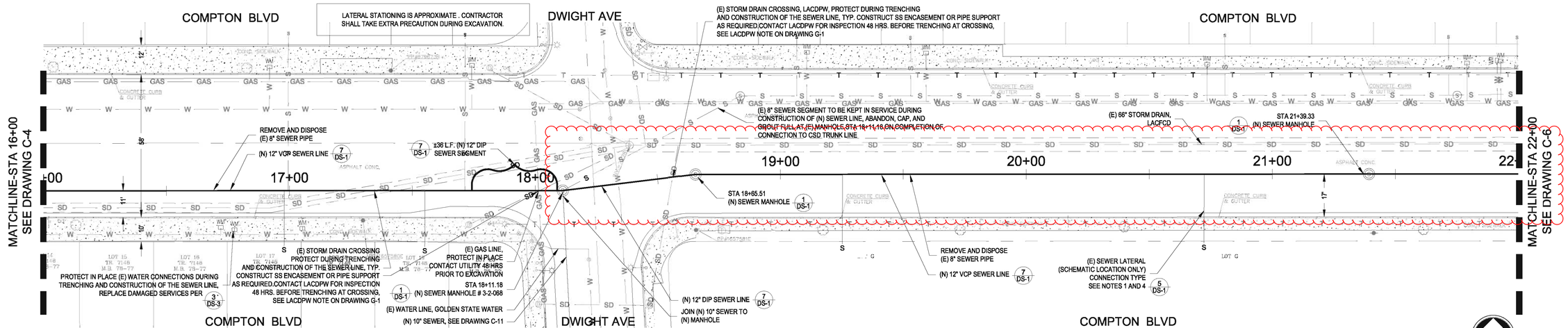
JOB No. CIP#10-18/JN120S
DRAWING No. C-4
SHEET 07 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 1205-SHT07-C4.dwg 01/04/16 11:15am



PROFILE

HORZ. 1"=20'
VERT. 1"=2'



PLAN VIEW

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0 10 20 40 60

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8. CONTRACTOR AT HIS OWN EXPENSE MAY RETAIN AND RESTORE MANHOLE #3-2-068 IN PLACE.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON Incorporated 1888

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

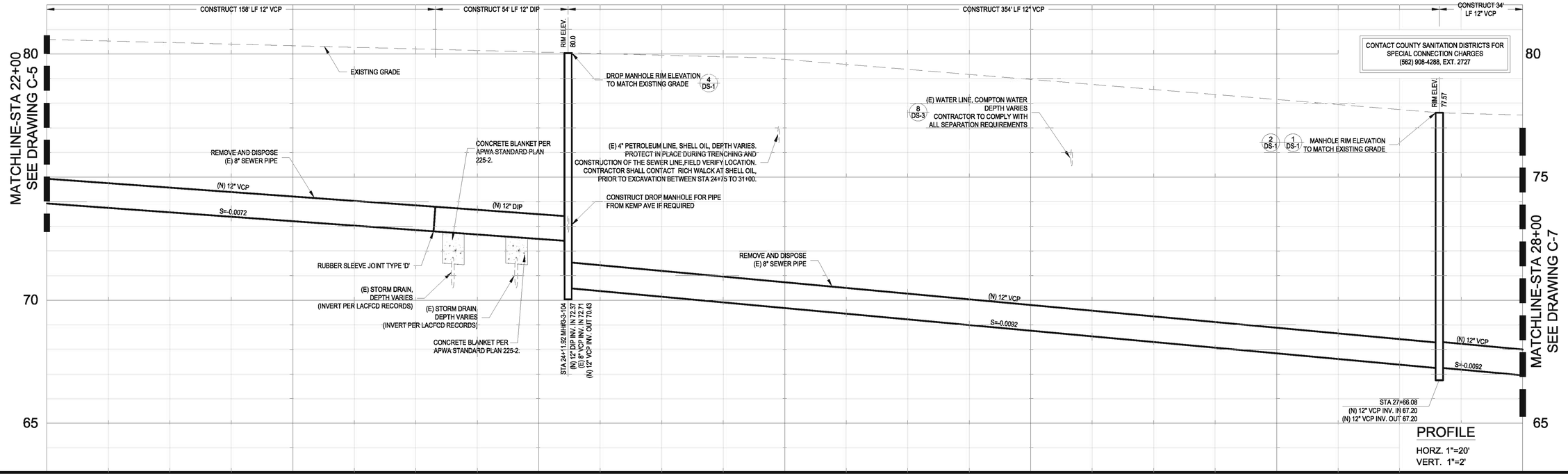
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 16+00 TO 22+00

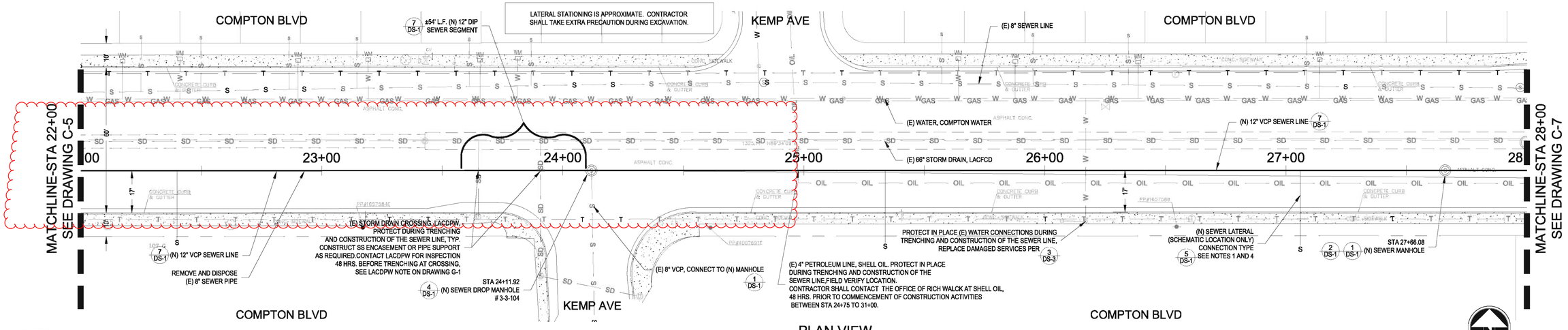
JOB No. CIP#10-18/JN120S
DRAWING No. C-5
SHEET 08 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STARCH.VA 1205-SHT08-C5.dwg 07/04/16 11:16am



PROFILE

HORZ. 1"=20'
VERT. 1"=2'



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9. CONTRACTOR SHALL SHORE TRENCH STA 25+00 TO STA 31+00. SUBMIT FOR APPROVAL. MAXIMUM TRENCH WIDTH SHALL BE 5'-0" .

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

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PREPARED UNDER THE SUPERVISION OF:
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GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
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CITY OF COMPTON
APPROVED BY:

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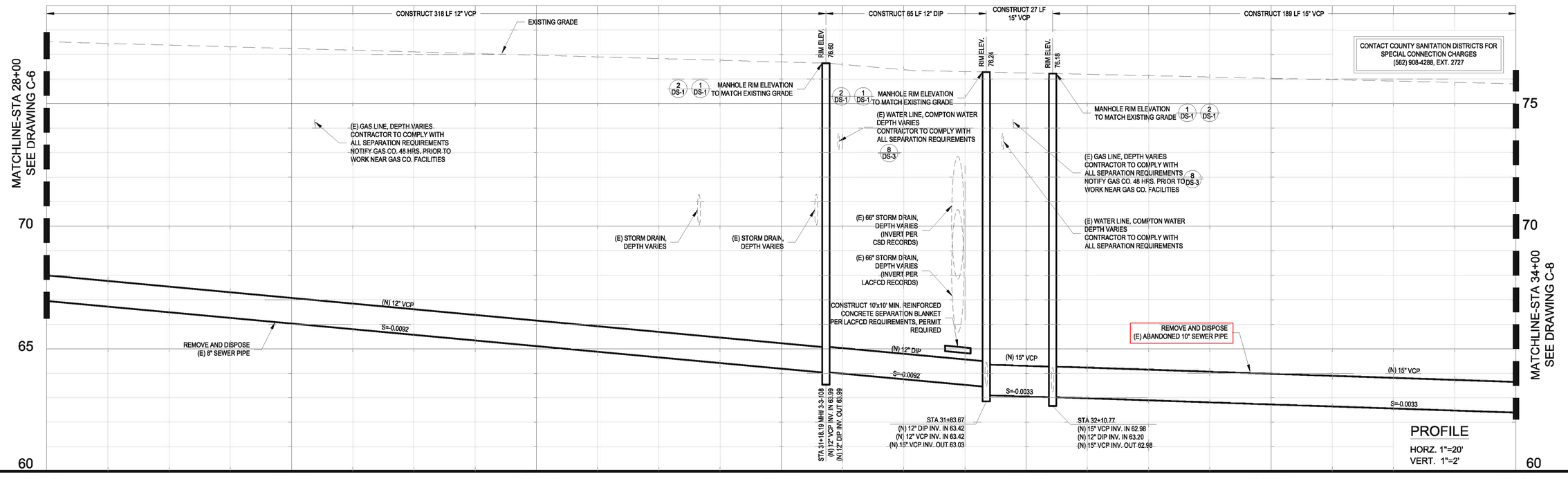
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 22+00 TO 28+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-6
SHEET 09 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\ut_120S-SHT09-CE.dwg 01/04/16 11:17am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

NOTES

1. ALL LATERALS SHALL BE CUT BACK A SUFFICIENT DISTANCE TO ALLOW RECONNECTION WITHOUT ADDITIONAL BENDS. IF LATERAL IS DEFICIENT, REMOVE AND REPLACE IT WITH NO ADDITIONAL COST TO THE CITY.
2. CONTRACTOR TO PROVIDE SEWER BYPASS SYSTEM DURING CONSTRUCTION TO KEEP ALL OCCUPANTS IN SERVICE. ANY FLOW BYPASS SYSTEM INVOLVING CSD MANHOLES SHALL BE IN ACCORDANCE WITH SECTION 500-1.1.7 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY CSD.
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4. FIELD VERIFY LOCATION OF EACH LATERAL AT EACH PROPERTY PRIOR TO BEGINNING CONSTRUCTION.
5. WATER SERVICES REFERENCED FROM WATER METERS.
6. CONTRACTOR MAY ADJUST THE PIPE HORIZONTAL OR VERTICAL ALIGNMENT TO MAINTAIN ADEQUATE SEPARATION BETWEEN WATER AND SEWER LINE WITH NO ADDITIONAL COST TO THE CITY.
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8. CONTRACTOR SHALL POTHOLE TO VERIFY LOCATION AND DEPTH OF ALL UTILITY CROSSINGS PRIOR TO PROCUREMENT OF MATERIALS OR COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
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TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

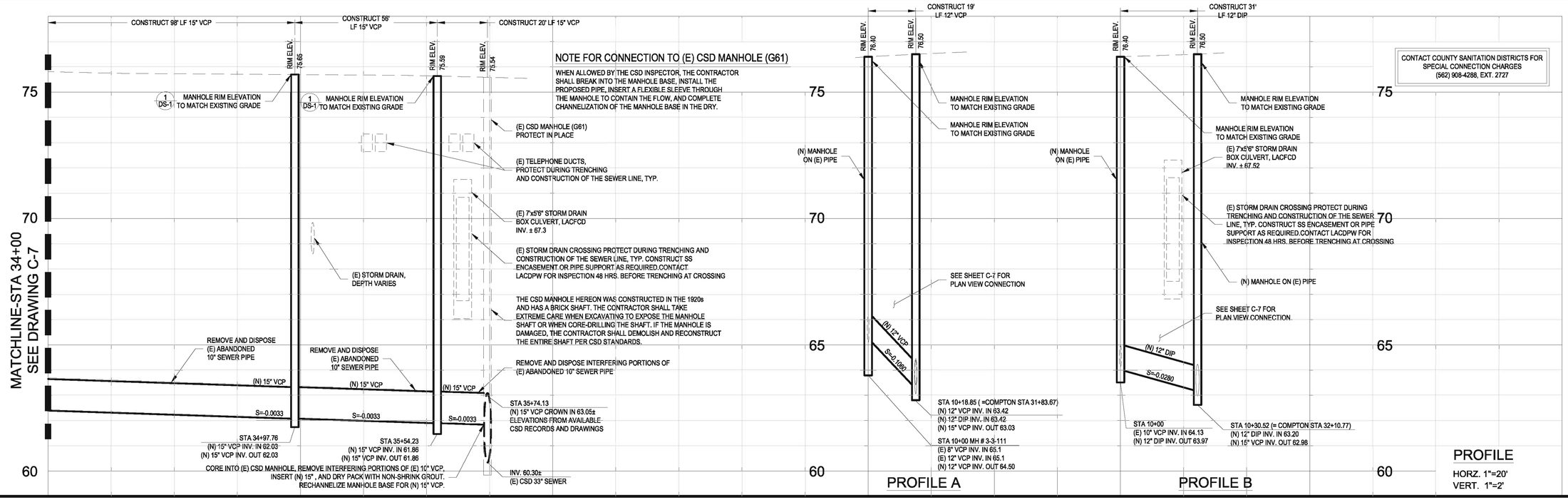
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

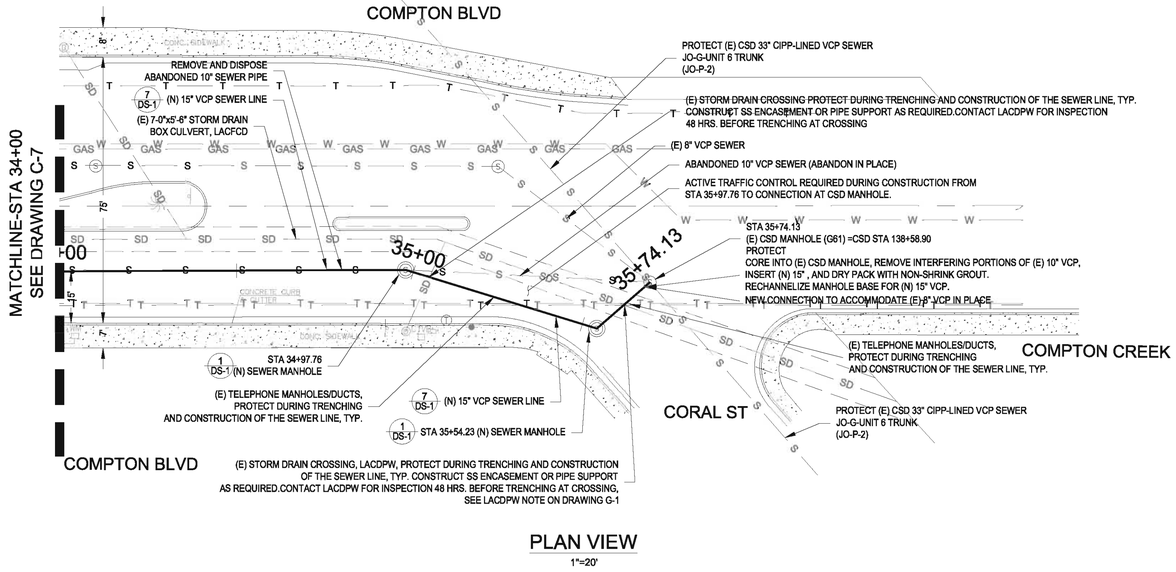
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 28+00 TO 34+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-7
SHEET 10 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STA(C).vsx 1205-SHT10-C7.dwg 07/07/16 11:18am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



PLAN VIEW
1"=20'

NOTE FOR CONNECTION TO (E) CSD MANHOLE (G61)

WHEN ALLOWED BY THE CSD INSPECTOR, THE CONTRACTOR SHALL BREAK INTO THE MANHOLE BASE, INSTALL THE PROPOSED PIPE, INSERT A FLEXIBLE SLEEVE THROUGH THE MANHOLE TO CONTAIN THE FLOW, AND COMPLETE CHANNELIZATION OF THE MANHOLE BASE IN THE DRY.

NOTES

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0 10 20 40 60
1"=20'

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Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

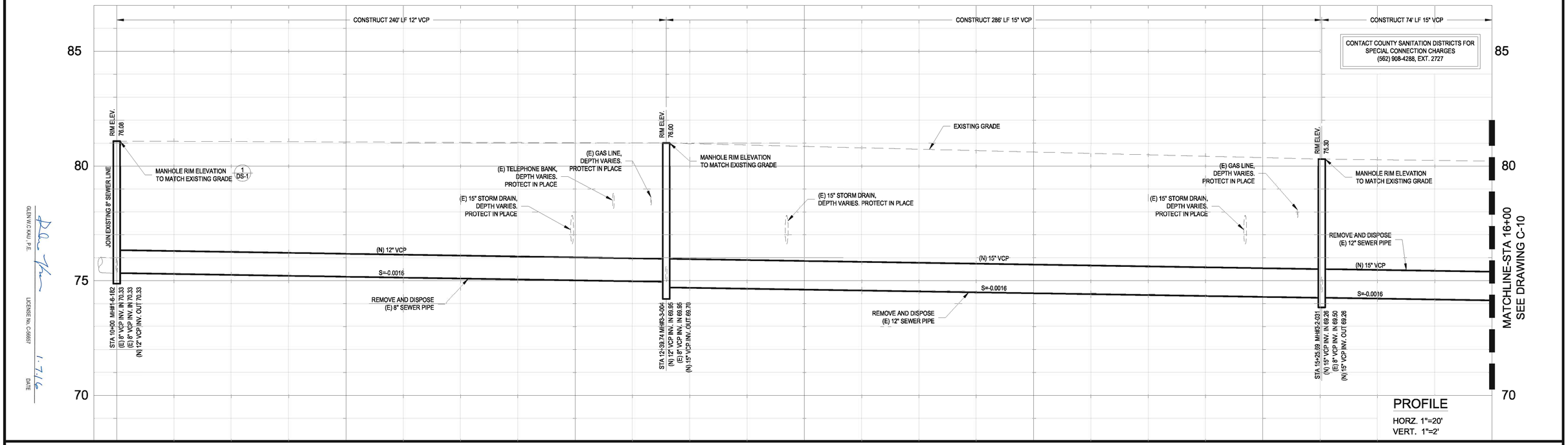
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 34+00 TO 35+74.13

DRAWING No. **C-8**

SHEET 11 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 proj CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\A_VA 120S-SHT11-C8.dwg 01/04/16 11:19am



PLAN VIEW
1"=20'

NOTES

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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

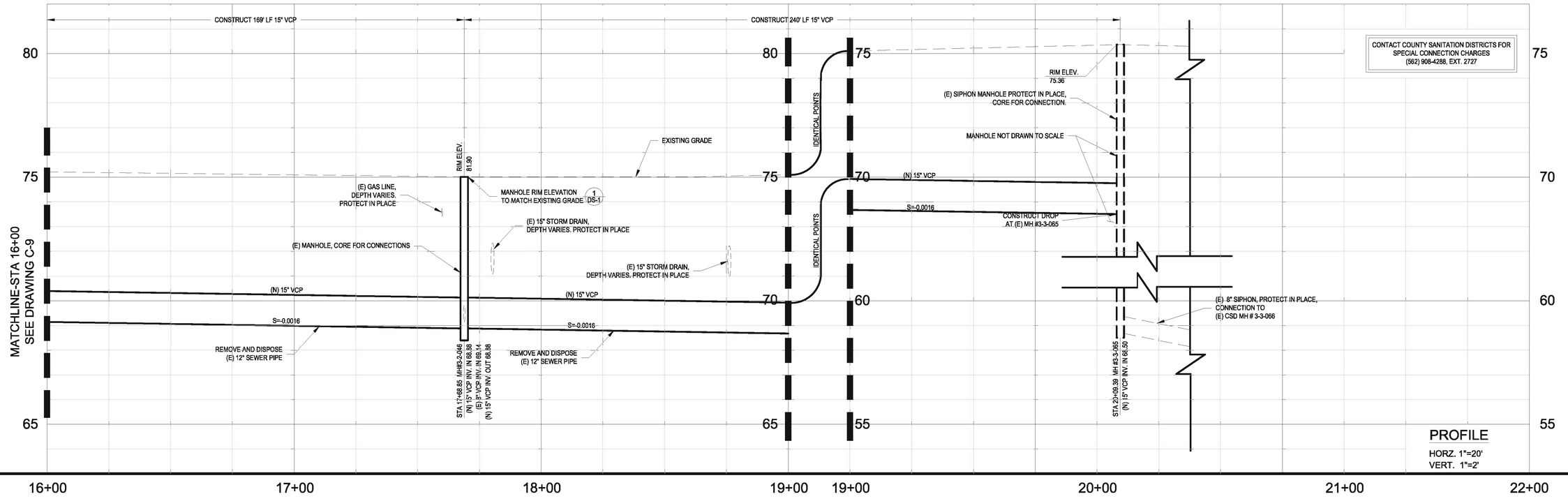
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

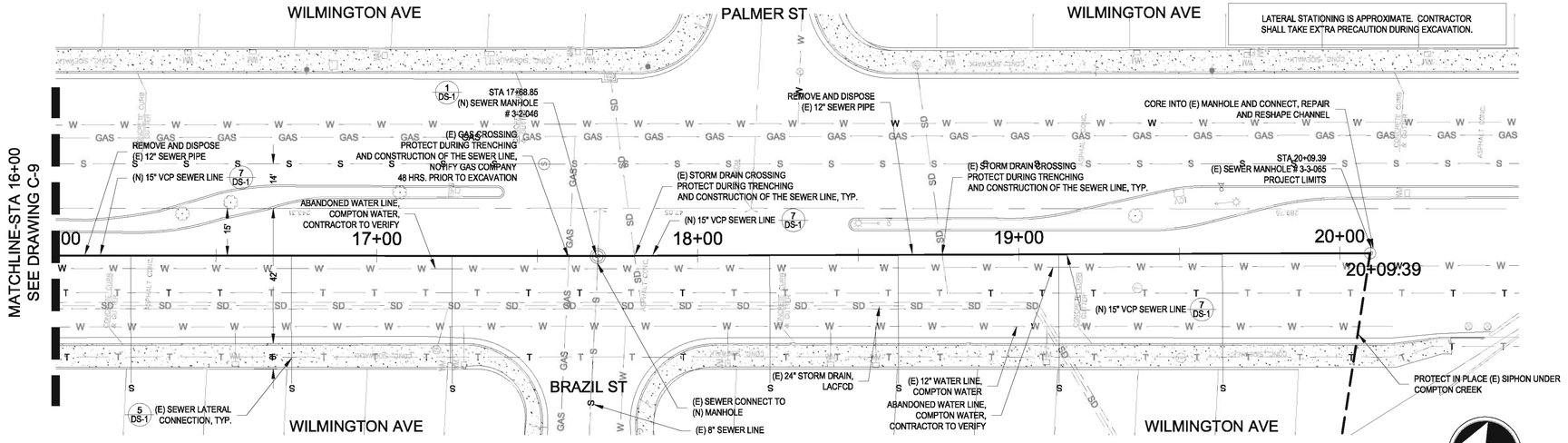
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-9
SHEET 12 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\sh 12OS-SH12-c9.dwg 01/04/16 11:22am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



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0 10 20 40 60
1"=20'

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TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

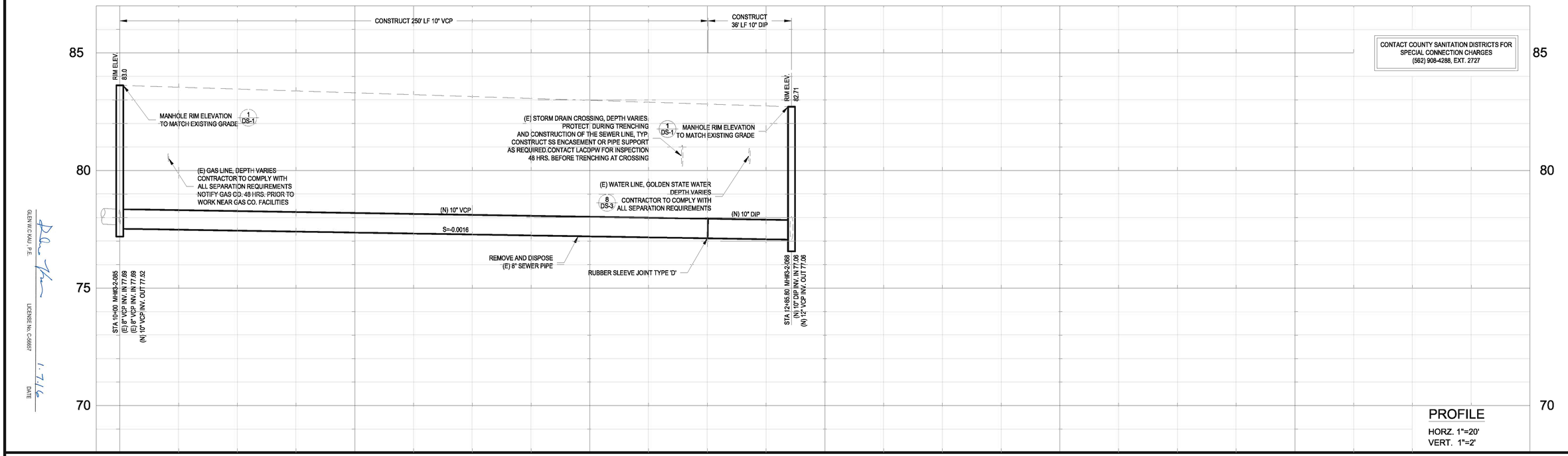
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

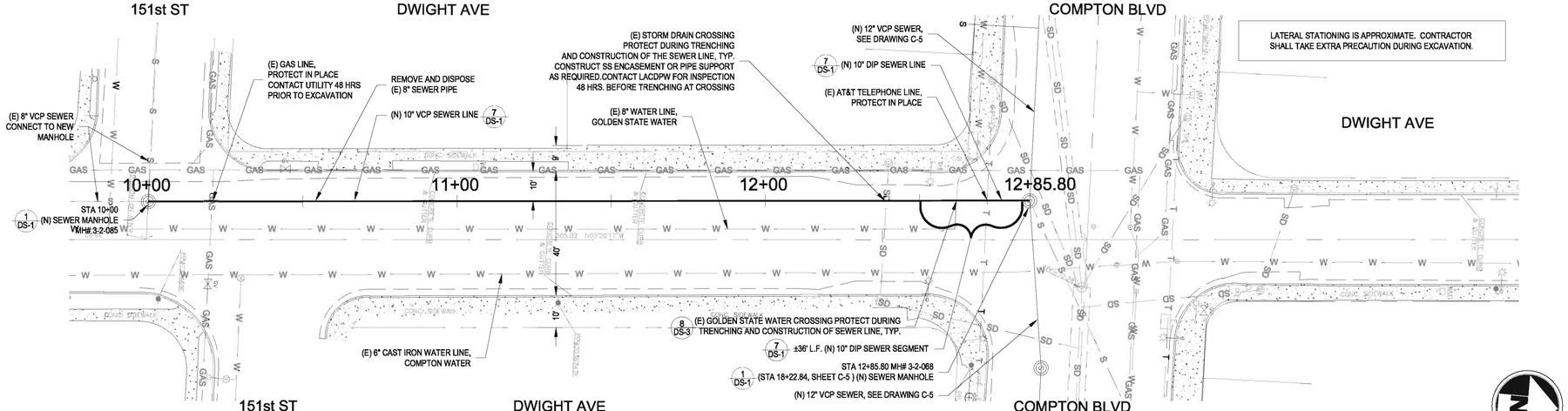
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 16+00 TO 20+09.39

DRAWING No. **C-10**

SHEET 13 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AVE WILMINGTON SEWER_VA 120S-SHT13-C10.dwg 01/04/16 11:23am





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0 10 20 40 60
1"=20'

GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
SO. DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 12+85.80

JOB No. CIP#10-18/JN120S
DRAWING No. C-11
SHEET 14 OF 17 SHEETS

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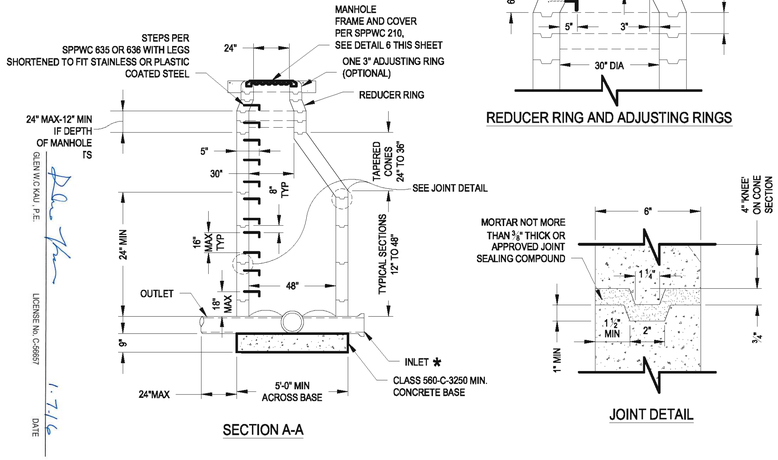
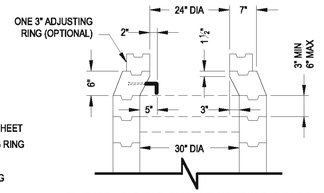
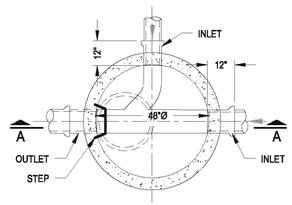


SECTION A-A



REDUCER RING AND ADJUSTING RINGS

JOINT DETAIL



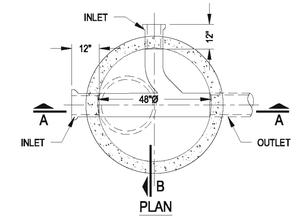
PLAN

NOTES:

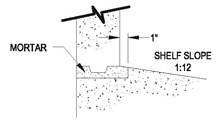
1. SHELF FORMED IN PLACE TO FORM SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED LINED MANHOLES TO BE PROVIDED/ REPAIRED PER STANDARDS FOR LINING (PVC OR EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. STEPS PER SPPWC 636 (NOTE 2, STANDARD PLAN 200-3) STAINLESS OR PLASTIC COATED STEEL APPROVAL SUBMITTAL REQUIRED.
7. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND/ OR DEPARTMENT OF PUBLIC WORKS.
8. MANHOLE COVER CENTERED OVER PRIMARY OUTLET.
9. CONCRETE FOR ALL PRECAST UNITS SHALL BE COMPACTLY VIBRATED IN THE FORMS. IT SHALL BE CURED ACCORDING TO THE APPROVED PRACTICE (STEAM, SPRINKLING, MEMBRANE SOLUTION, OR A COMBINATIONS OF THOSE) MINIMUM 28 DAYS STRENGTH SHALL BE 3500 PSI.
10. STEPS SHALL BE INSTALLED ON TOP OF OUTLET PIPE AS SHOWN ON DETAIL 1.

✱ . FOR CONNECTION TO EXISTING SEWER LINE, CUT EXISTING LINE AND JOIN TO INLET STUB BY STAINLESS STEEL REPAIR CLAMP STYLE LSS1 OR LSS2 BY ROMAC OR EQUAL.

1 DS-1 PRECAST CONCRETE SEWER MANHOLE
NOT TO SCALE



PLAN



SECTION B

NOTES:

1. SHELF FORMED IN PLACE TO PROVIDE SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED, LINED MANHOLES TO BE PROVIDED, REPAIRED PER STANDARDS FOR LINING (PVC EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND DEPARTMENT OF PUBLIC WORKS.
7. STEPS STAINLESS STEEL OR PLASTIC COATED STEEL. APPROVAL SUBMITTAL REQUIRED.
8. CONCRETE FOR ALL PRECAST UNITS SHALL BE COMPACTLY VIBRATED IN THE FORMS. IT SHALL BE CURED ACCORDING TO THE APPROVED PRACTICE (STEAM, SPRINKLING, MEMBRANE SOLUTION, OR A COMBINATIONS OF THOSE) MINIMUM 28 DAYS STRENGTH SHALL BE 3500 PSI.

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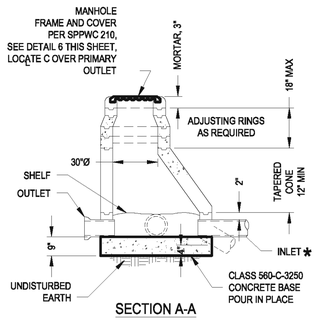
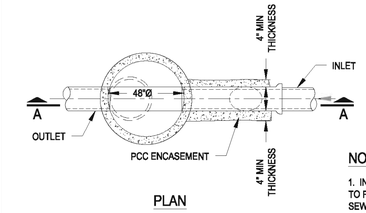
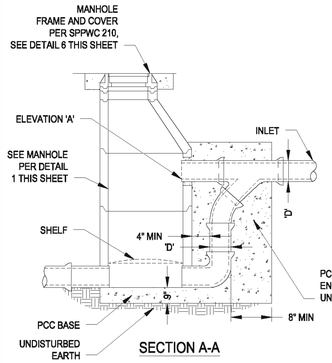


SECTION A-A

3 DS-1 PRECAST CONCRETE SHALLOW MANHOLE
NOT TO SCALE



PLAN

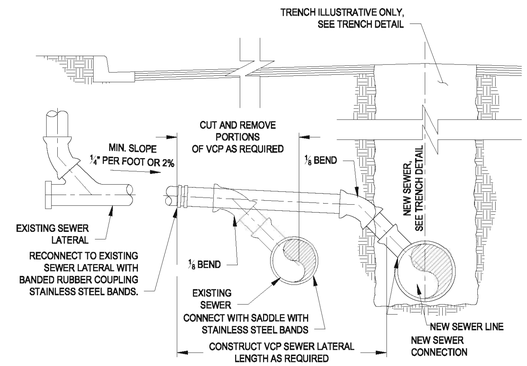


SECTION A-A

NOTES:

1. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
2. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.
3. CONCRETE FOR DROP SECTIONS TO BE FORMED.
4. PENETRATIONS INTO MANHOLES TO BE MADE BY CORE DRILL.
5. LINED MANHOLES TO BE REPAIRED PER STANDARDS FOR LINING (PVC 6" TURNBACK)(APPLIED COATING-RECOAT SUFFICIENT AREA TO ACHIEVE PERMANENT BOND). HOLIDAY TESTING REQUIRED.
6. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS ON SHELF TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY TO SEWER PIPE.
7. PCC CONCRETE TO BE 560-C-3250 MINIMUM, FOR SHORTENED CURE TIME CONCRETE TO BE 600-C-3000 MINIMUM.
8. DETAIL TO BE USED FOR JOINING (E) MANHOLE WHERE DROP REQUIRED.

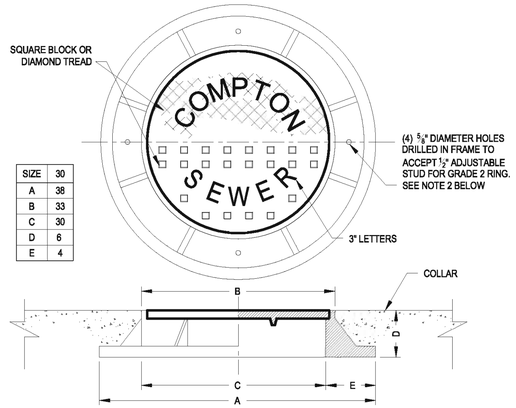
4 DS-1 DROP SEWER MANHOLE
NOT TO SCALE



NOTES:

1. CONTRACTOR TO VERIFY SIZE AND CONDITION OF EXISTING LATERAL. RECONSTRUCTION TO MATCH EXISTING.
2. CONTRACTOR SHALL FIELD LOCATE AND MARK ALL LATERALS PRIOR TO BEGINNING CONSTRUCTION.
3. LATERALS SHALL BE EXTRA STRENGTH VCP.

5 DS-1 SEWER LATERAL CONNECTION
NOT TO SCALE



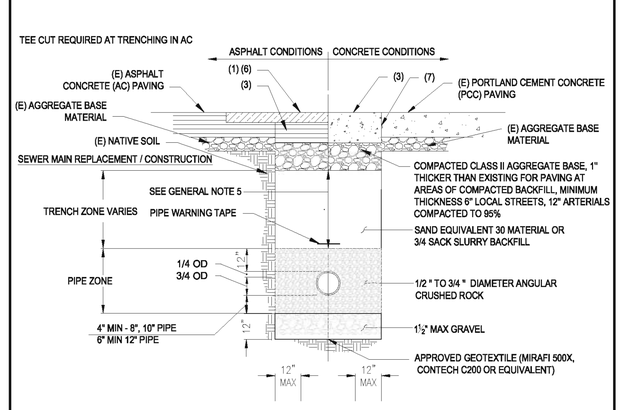
SIZE	30
A	38
B	33
C	30
D	6
E	4

SIZE	ALHAMBRA FOUNDRY	NEENAH FOUNDRY	SOUTH BAY FOUNDRY	PONT-A-MOUSSON
30"	A-1252-5	R-1582	SBF 1252-6	CLASS 400

NOTES:

1. 48" STANDARD "A" AND SHALLOW MANHOLES (DETAILS 1, 2, 3) SHALL HAVE 30" COVERS.
2. FOR FRAMES AND COVER IN EASEMENTS, ALLEYS, PARKWAYS, AND UNIMPROVED AREA INSTALL 4 - ½" INSERTS FOR LOCK DOWN STUDS IN TOP GRADE RING ALIGNED WITH FRAME. FRAME BOLTED TO GRADE RING. FINISH ELEVATION AS SHOWN IN SPPWC.
3. INSTALLATION OF GRADE RINGS, SEE DETAIL 1.
4. ADJUST MANHOLE FRAME AND COVER (WITH COLLAR) TO FINAL PAVING GRADE.
5. SHAFT LOCATIONS: CENTERED AT OUTLET SIDE
6. COVER TO BE COATED IN PLACE WITH BITUMINOUS MATERIAL AFTER INSTALLATION.
7. FOR SHORTENED CURE TIME, CONCRETE TO BE 600-C-3000 MIN./ LOW SLUMP.

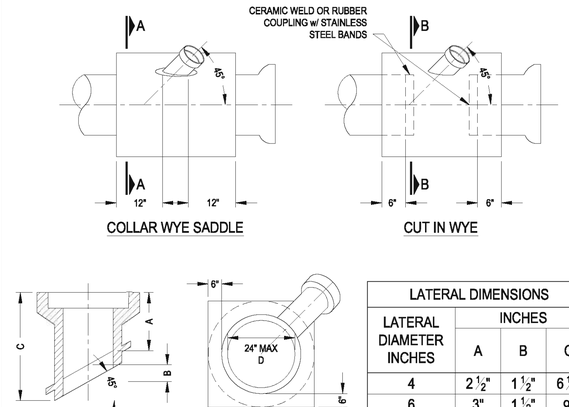
6 DS-1 TRAFFIC MANHOLE FRAME & COVER
NOT TO SCALE



NOTES:

1. GRIND EXISTING PAVEMENT TO 0.15 FT. DEPTH A MINIMUM OF ONE FOOT BEYOND LIMITS OF TRENCH. (TEE CUT)
2. BEDDING 'A' SHALL BE COMPOSED OF SAND, HAVING A CERTIFIED SAND EQUIVALENT OF NOT LESS THAN 30, CONFORM TO THE SAND GRADATION TABLE HEREIN AND SHALL BE COMPACTED TO 90% OF MAX. DENSITY.
3. REPLACEMENT ASPHALT CONCRETE OR CONCRETE SECTIONS SHALL BE PER CITY OF COMPTON STANDARDS WITH AC OR PCC THICKNESS MINIMUM OF ONE INCH GREATER THAN EXISTING. PCC SHALL BE CLASS 520-C-2500. AC SHALL BE PER BID DOCUMENTS. AC MINIMUM 4" IN LOCAL STREETS, MINIMUM 8" IN ARTERIALS. MINIMUM PCC PAVING 6".
4. BEDDING 'B' SHALL BE COMPOSED OF SAND OR OTHER GRANULAR MATERIAL INSTALLED TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BEDDING 'B' SHALL BE COMPACTED TO A RELATIVE DENSITY OF NOT LESS THAN 90%.
5. BACKFILL SHALL BE PER SECTION 217 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BACKFILL ABOVE PIPE ZONE FOR WATER MAINS SHALL BE ¾ SACK SLURRY.
6. IF TRENCH IS WITHIN 4 FEET OF CURB OR GUTTER, GRIND PAVING 0.15' TO EDGE OF PCC OR REMOVE AND REPLACE AC TO EDGE OF PCC GUTTER/ CURB, AC TO BE REPLACED TO A SMOOTH JOIN WITH EXISTING, MAXIMUM ¼" / 10' DEVIATION FROM TRUE.
7. EXISTING PAVEMENT SHALL BE SAWCUT TO CLEAN STRAIGHT LINES IN A RECTANGULAR PATTERN PRIOR TO REMOVAL. PCC SURFACES TO BE JOINED WITH NEW PCC SHALL BE STRAIGHT AND TRUE AND PREPARED WITH CONCRETE BONDING MATERIAL APPROVED BY THE ENGINEER.

7 DS-1 TYPICAL TRENCH
NOT TO SCALE



COLLAR WYE SADDLE

CUT IN WYE

SECTION A-A
LATERAL DETAIL

SECTION B-B
CONC. ENCASEMENT

LATERAL DIAMETER INCHES	LATERAL DIMENSIONS INCHES A	B	C
4	2 ½"	1 ½"	6 ½"
6	3"	1 ½"	9"

NOTES:

1. HOLE FOR THE COLLAR WYE FOR SEWER SADDLE TO BE MADE WITH PURPOSE TAPPING TOOL. HOLE TO BE REAMED AND SANDED TO TRUE SHAPE AND NEAT MATING SURFACE FOR WYE.
2. SECURE WYE SADDLE WITH EPOXY APPROVED FOR JOINING VCP (ENGINEER APPROVAL REQUIRED).
3. AFTER INSPECTION AND ACCEPTANCE BY ENGINEER/ AGENCY REPRESENTATIVE SADDLE CONNECTION TO BE ENCASED WITH MINIMUM 6" CONCRETE (520-C-25000).
4. PROTECT EXISTING AGAINST ENTRY OF DEBRIS FROM CONNECTION. FAILURE TO PREVENT DEBRIS ENTRY REQUIRES SEWER REACH TO BE CLEANED AT CONTRACTOR EXPENSE.
5. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.

8 DS-1 SEWER WYE CONNECTION
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

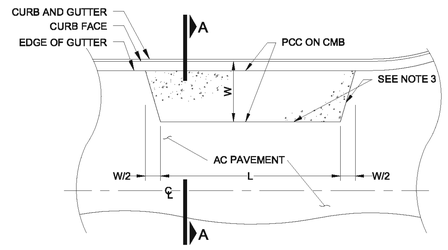
DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

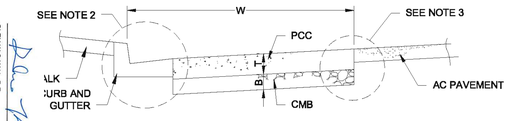
DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-1
SHEET 15 OF 17 SHEETS

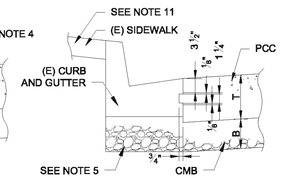
G:\CES PROJECTS\Compton_Sewer_CIP_10-18 and CIP 10-01\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWERS\DS1-DS1.dwg 10/04/16 1:25pm



TYPICAL BUS PAD

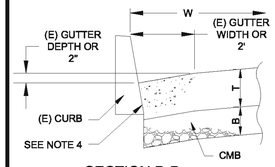


SECTION A-A

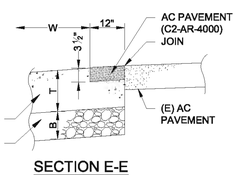


SECTION B-B

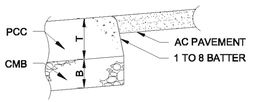
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

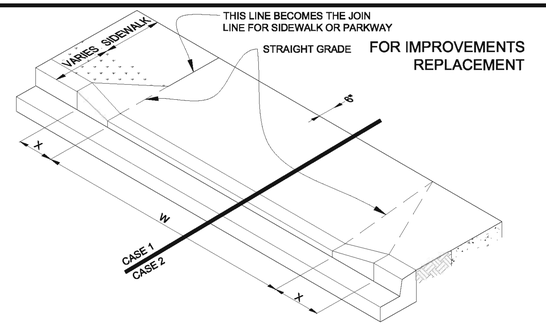
CONSTRUCTION NOTES:

1. DIMENSIONS: (UNLESS OTHERWISE SHOWN)
   L= 85' T= 8"
   W= 10' B= 6"
2. USE SECTION B-B FOR EXISTING CURB AND GUTTER THAT IS TO REMAIN
   USE SECTION C-C FOR NEW CURB AND GUTTER
   USE SECTION D-D FOR EXISTING CURB THAT IS TO REMAIN
3. USE SECTION E-E FOR EXISTING AC PAVEMENT
   USE SECTION F-F FOR NEW AC PAVEMENT
4. AT LOCATIONS WHERE PCC PAVEMENT WILL ABUT EXISTING CONCRETE, AN EPOXY APPROVED BY THE ENGINEER SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACES PRIOR TO CONCRETE PLACEMENT.
5. IF B+T EQUAL TO OR GREATER THAN 12", CMB SHALL EXTEND UNDER NEW CURB AND GUTTER.
6. CONSTRUCT LONGITUDINAL WEAKENED-PLANE JOINT TO MATCH ADJOINING EXISTING GUTTER WIDTH, OR 2' IF NO ADJOINING GUTTER EXISTS.
7. USE 2"x4" HEADER TO FORM 3-½" STEP. TOP OF HEADER SHALL BE SET TO LINE AND GRADE.
8. ALL EXPOSED PCC CORNERS SHALL BE ROUNDED WITH A ½" RADIUS.
9. SURFACE OF CONCRETE SHALL HAVE A ROUGH TRANSVERSE BROOM FINISH.
10. WHERE DESIGNATED BY THE ENGINEER, UNDESIRABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH CMB.
11. WHERE NEW CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING SIDEWALK, SIDEWALK SHALL BE REMOVED AND REPLACED TO NEAREST SCORELINE.
12. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT APPROXIMATELY 10' INTERVALS.
13. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT ALL EXISTING CURB/ CURB AND GUTTER CONSTRUCTION JOINTS AND WEAKENED-PLANE JOINTS.
14. AT THE OPTION OF THE ENGINEER, THE EXISTING PAVEMENT MAY BE NEATLY SAWCUT AROUND THE DIMENSIONS OF THE BUS PAD, AND CONCRETE POURED DIRECTLY USING THE EXISTING PAVEMENT AS A FORM. THE CONCRETE EDGES SHALL BE ROUNDED WITH A ½" RADIUS.
15. CONFIRM CONSTRUCTION DETAILS AND REQUEST INSPECTION FROM TRANSIT AGENCY PRIOR TO TAKING PAD OR BUS STOP OUT OF SERVICE AND DURING CONSTRUCTION AS REQUIRED BY AGENCY.

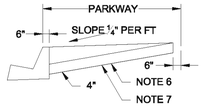
CONCRETE: MIN. CLASS 520-C-2500

5 DS-2 CONCRETE BUS PAD
NOT TO SCALE

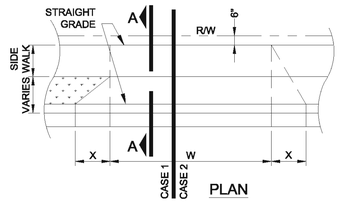
CITY OF COMPTON



FOR IMPROVEMENTS
REPLACEMENT



SECTION A-A



PLAN

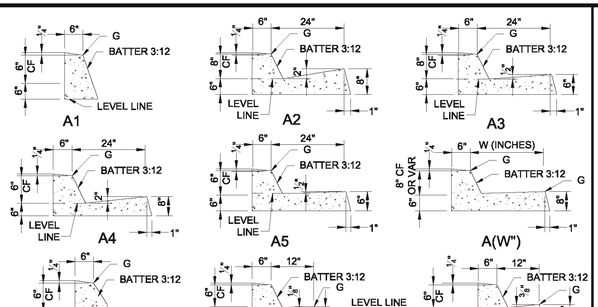
NOTES:

1. W=20' MAXIMUM WIDTH UNLESS OTHERWISE APPROVED BY DIRECTOR OF TRANSPORTATION
2. CASE 1 MAY BE USED FOR PARKWAYS LESS THAN 10 FEET
3. X= 4' WHEN CURB FACE IS 8"
4. X= 3' WHEN CURB FACE IS 6"
5. NO OBSTRUCTIONS WITHIN 2' OF TOP OF "X"
6. SEE COMPTON MUNICIPAL CODE, CHAPTER 20-22, PERMIT ORDINANCE FOR OTHER RESTRICTIONS
7. 4" MIN. CAB OR SELECT SUBBASE WITH EXPANSION LESS THAN 3% BY SOIL TEST

CONCRETE: MIN. CLASS 520-C-2500

2 DS-2 RESIDENTIAL DRIVEWAY CASE 1 & 2
NOT TO SCALE

CITY OF COMPTON



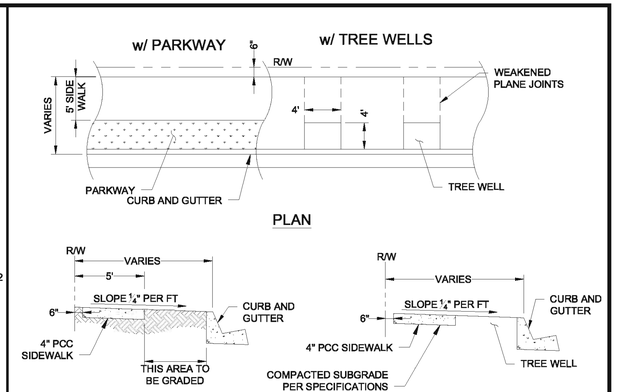
NOTES:

1. TYPE A,C BARRIER CURB
2. TYPE B,D MEDIAN CURB
3. G DESIGNATES GRADE LINE AND/ OR OFFSET POINT
4. W" DESIGNATES WIDTH OF GUTTER
5. h DESIGNATES HEIGHT OF TYPE C AND D ASPHALT CONCRETE CURB
6. TYPES C AND D ARE CONSTRUCTED OF ASPHALTIC CONCRETE (E-AR8000)
7. TYPES A,B,F ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE
8. ALL EXPOSED CORNERS ON PCC CURBS & GUTTERS TO BE ROUNDED WITH A ¾" R

CONCRETE: MIN. CLASS 520-C-2500

3 DS-2 CURB & GUTTER
NOT TO SCALE

FOR IMPROVEMENTS
REPLACEMENT



PARKWAY SECTION

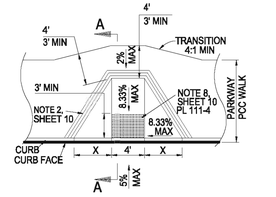
TREE WELL SECTION

NOTES:

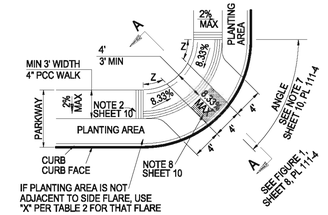
1. WEAKENED PLANE JOINTS TO BE 20' ON CENTER
2. SCORE LINES TO BE 5' ON CENTER
3. TREE WELLS SHALL BE SPACED APPROXIMATELY 50' FEET APART, BUT NOT LESS THAT 1 WELL PER RESIDENTIAL LOT
4. LOCATION OF TREE WELLS WILL BE SUBJECT TO THE FOLLOWING CONDITIONS:
   A. 50' FROM BCR ON THE APPROACH TO AN INTERSECTION AND 15' FROM THE ECR ON THE EXIT SIDE
   B. 20' FROM LIGHT STANDARDS
   C. 10' FROM FIRE HYDRANTS AND DRIVEWAYS
   D. 5' FROM HOUSE WALLS AND UTILITY METERS
5. TREE WELLS ARE TO BE BACKFILLED WITH CLEAN DIRT AND FLUSH WITH ADJACENT WALK UNTIL TREES ARE PLANTED
6. WEAKENED PLANE JOINTS TO BE 20' ON CENTER

CONCRETE: MIN. CLASS 520-C-2500

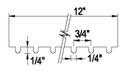
4 DS-2 SIDEWALK WITH TREE WELLS
NOT TO SCALE



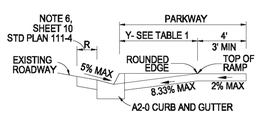
TYPE 1
CASE A



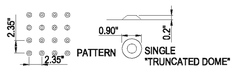
TYPE 6
CASE A



GROOVING DETAIL



SECTION A-A

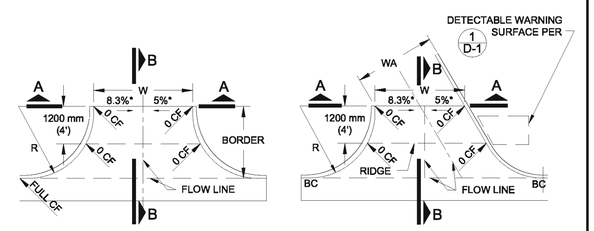


DETECTABLE WARNING DETAIL

NOTES:

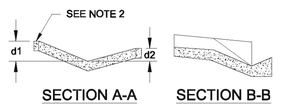
1. CONCRETE SHALL BE CLASS 520-C-2500 CONFORMING TO SPPWC 201-1.1.2 AND SHALL BE MINIMUM 4" THICK.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH ¼" GROOVES APPROXIMATELY ¾" OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS AND COLOR SHALL BE AS REQUIRED BY THE CITY AND BY THE ADA REQUIREMENTS:
   A. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN, A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
   B. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
5. CURB RAMP DETAILS, STANDARD PLAN 111-4, SHEETS 1 THRU 10, FROM THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION ARE BY REFERENCE MADE A PART OF THESE CURB RAMP DETAILS.
6. THE CASE AND TYPE REQUIRED FOR THE SPECIFIC LOCATION SHALL BE SELECTED FROM THE DETAILS SHOWN IN THE SPPWC AND THE REQUIREMENTS AND DETAILS SHOWN SHALL BE APPLIED. TYPE 1 AND TYPE 6 SHOWN ARE EXAMPLES ONLY, WORK SHALL COMPLY WITH THE COMPLETE DETAIL REQUIREMENTS IN THE SPPWC AND ADA.
7. REFERENCES ARE TO SPPWC PLAN 111-4 INCLUDING NOTES & TABLES.

6 DS-2 CURB RAMP
NOT TO SCALE



STANDARD APPROACH

ANGLE APPROACH



SECTION A-A

SECTION B-B

W mm	2400 (8')	3000 (10')	4500 (15')	6000 (20')	7500 (25')	9000 (30')
d1,mm MAX	100 (0.33')	125 (0.42')	188 (0.63')	250 (0.83')	313 (1.04')	375 (1.25')
d2, mm MIN	50 (0.17')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')

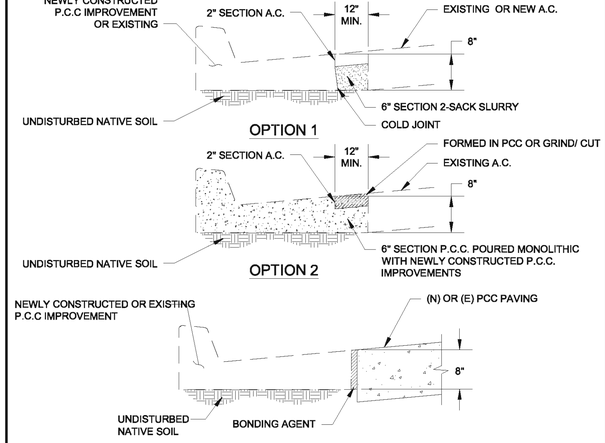
NOTES:

1. THE RADIUS OF CURB RETURN, R, IS EQUAL TO THE PARKWAY WIDTH.
2. ALLEY APPROACH SHALL BE PCC, CLASS 310-C-17 (520-C-2500), 150 MM (6") THICK.
3. ASTERISKS, *, SHOW MAXIMUM GRADES.
4. APPROACHES PER SPPWC.
5. MINIMUM 6" CAB UNDER CONCRETE, MINIMUM CONCRETE THICKNESS 6".

TYPE REPAIR - SAWCUT BONDING AGENT,
1/2" DOWELS AT 24" ALONG JOINT,
MIN. 6" PCC ON 8" CAB COMPACTED TO 95%.

7 DS-2 ALLEY APPROACH
NOT TO SCALE

CONCRETE: MIN. CLASS 520-C-2500



NOTES:

1. CONCRETE MIN 520-C-2500
2. 2" A.C. SECTION SHALL UTILIZE D1-AR-4000, 3/8" COURSE MAXIMUM.C. MIX
3. EXISTING A.C. SHALL BE SAWCUT TO PROVIDE A CLEAN JOINT LINE TO THE SATISFACTION OF THE INSPECTOR
4. THE INSPECTOR MAY REQUIRE ADDITIONAL EXISTING A.C. TO BE REPLACED TO PREVENT JOINING TO DISTRESSED PAVEMENT
5. BONDING AGENT APPROVED BY ENGINEER
6. CONTRACTOR HAS THE OPTION OF METHOD #1 OR #2 FOR AC / PCC JOIN

8 DS-2 PAVING - JOIN AT NEW OR EXISTING CONCRETE
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. KRAUSE
No. 56657
Exp. 06-30-17
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STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
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CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

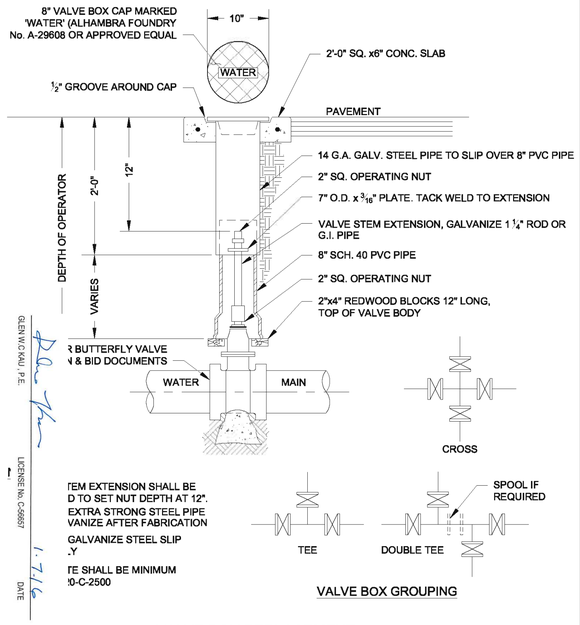
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

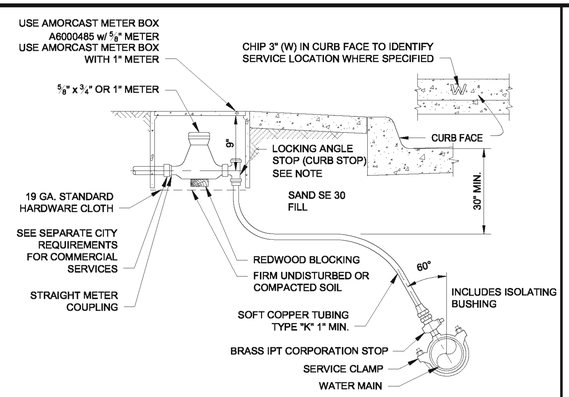
JOB No. CIP#10-18/JN120S
DRAWING No. DS-2
SHEET 16 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS2-CT6.dwg 07/09/16 11:26am



1 DS-3 VALVE BOX REPLACEMENT
NOT TO SCALE

CITY OF COMPTON



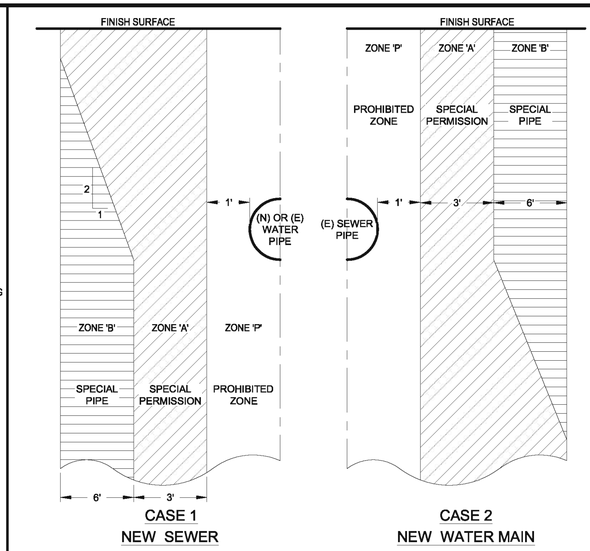
METER VALVE SIZE	CORP STOP VALVE SIZE	MIN. SIZE TUBING	MIN. RADIUS TUBING BEND	METER BOX
3/4"	1"	1"	18"	10X17X12 ARMOR CAST 12X20X12
1"	1"	1"	18"	
1 ½"	1 ½"	1 ½"	COPPER ELBOW	PER CITY OF COMPTON WATER DEPARTMENT DETAILS
2"	2"	2"	COPPER ELBOW	

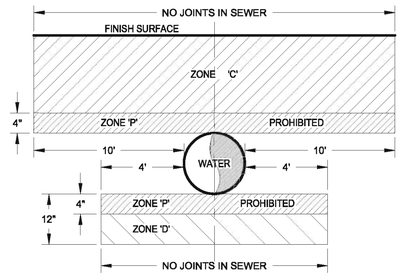
LOCKING ANGLE STOP (CURB STOP)			
MUELLER GROUND KEY ANGLE OR STRAIGHT STOP AS REQUIRED	P-14258 OR H-14255 FOR SIZES ¾" TO 1"	P-14277 1 ½" TO 2"	ALL WITH LOCK WING

NOTES:

1. REPLACE METER BOX IF DAMAGE
2. REPAIR COPPER USING SILVER PER WATER DEPT. SOLDER.
3. TEST & FLUSH BEFORE RETURN TO SERVICE.
4. ALL COMPONENTS SHALL BE LEAD FREE.

3 DS-3 WATER SERVICE
NOT TO SCALE





CASE 1
NEW SEWER CROSSING

NOTES:

1. HYDRANT SHALL BE PAINTED WITH 2 COATS OF ZINC CHROMATE PRIMER AND 2 FINISH COATS OF "SCHOOL BUS/CAUTION YELLOW" PAINT
2. RELOCATED HYDRANTS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH NOTE #1
3. CONCRETE SHALL BE MINIMUM CLASS 520-C-2500
4. FOR SHALLOW PIPE, USE FLANGE FITTINGS & FLANGE x MJ ELL (REQUIRED)
5. NEW & RELOCATED FIRE HYDRANT ASSEMBLY INCLUDES NEW TEE, VALVE, PIPE, FITTINGS, HYDRANT ASSEMBLY AND ALL IMPROVEMENTS INCLUDING TRENCH BACKFILL, PAVING IMPROVEMENTS AND RESTORATION, COMPLETE TESTED IN PLACE AND OPERATIONAL.
6. VALVE TO BE WITHIN 25 FEET OF FIRE HYDRANT.
7. FURNISH AND INSTALL BREAK-OFF CHECK VALVE FOR EACH PROPOSED HYDRANT.

5 D-3 FIRE HYDRANT
NOT TO SCALE

SIGNAGE COPY TO BE SUPPLIED BY OWNER.
QUANTITY AS SPECIFIED OR AS SHOWN.
LOCATIONS AND ORIENTATION AS DIRECTED.
MAINTAIN SIGN IN PLACE PER BID DOCUMENTS

PER CALTRANS RSP T7, RS1-RS-3 / #27

6 DS-3 PROJECT SIGN
NOT TO SCALE

NEW SEWER PARALLEL TO WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED
ZONE 'A'	SEWER SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	SEWER PLACED IN THIS ZONE SHALL BE CONSTRUCTED OF DUCTILE IRON, WITH HOT BITUMINOUS COATING AND COMPRESSION JOINTS, EXTRA STRENGTH VCP WITH COMPRESSION JOINTS, PVC WITH RING JOINTS (ASTM D3034), HDPE (AWWA C906) FUSION WELDED, OR HDPE SPIRAL REINFORCED WITH GASKET JOINTS (ASTM F-894)

NEW SEWER CROSSING WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED (NO SEWER WITHIN 4" OF WATER)
ZONE 'C'	SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT BITUMINOUS COATING AND MECHANICAL JOINTS OR CLASS 200 (DR 14 PER AWWA C900) PVC PRESSURE PIPE NO JOINTS WITHIN 8 FT. OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	SEWER SHALL BE CONTINUOUS DUCTILE IRON WITH HOT BITUMINOUS COATING AND MECHANICAL JOINT, CLASS 200 PVC PRESSURE PIPE (DR 14 PER AWWA C900), HDPE FUSION JOINTS (AWWA C906) OR ANY SEWER MAIN IN A CONTINUOUS SLEEVE
ZONE 'D'	ALTERNATE - SEPARATE PIPES WITH TEN- FOOT BY TEN FOOT, FOUR INCH THICK REINFORCED CONCRETE SLAB CENTERED ON CROSSING

NEW WATER PARALLEL TO SEWER MAIN (CASE 2)

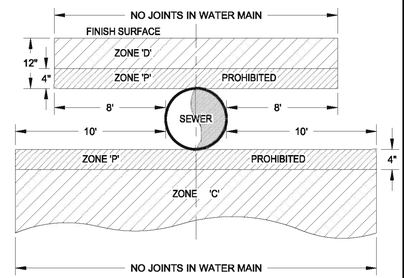
ZONE 'P'	PROHIBITED
ZONE 'A'	SPECIAL PERMISSION BY HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	PIPE SHALL BE DUCTILE IRON WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL, HDPE FUSION JOINT (AWWA C906), OR CLASS 200 PVC (DR 14 PER AWWA C900 AND C905)

NEW WATER MAIN CROSSING SEWER MAIN (CASE 2)

ZONE 'P'	PROHIBITED
ZONE 'C'	NO JOINTS IN WATER MAIN. PIPE DIPPED AND WRAPPED QUARTER WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE RATED OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	NO JOINTS WITHIN 8FT. OF SIDE OF SEWER AND BE DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE PIPE OR HDPE FUSION WELDED (AWWA C906)

NOTES:

1. THE DETAIL SHOWS CONSTRUCTION REQUIREMENTS FOR REDUCED SEPARATION OF NEW OR EXISTING WATER PIPES FROM NEW OR EXISTING SANITARY SEWERS. SEE DEPARTMENT OF HEALTH SERVICES (DOH'S) RULES FOR ADDITIONAL REQUIREMENTS AND PROXIMITY TO FORCE MAINS
2. SEWER LATERALS CROSSING UNDER WATER MAINS SHALL MAINTAIN 4" CLEARANCE
3. WATER SERVICES CROSSING SEWER MAINS SHALL NOT BE BELOW SEWER MAIN OR LATERAL
4. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL MATERIALS REQUIREMENTS (SOME ALTERNATIVE MATERIALS MAY NOT BE ALLOWED ON THIS PROJECT)
5. NEW WATER MAINS AND SEWERS SHALL BE TESTED WHERE THE PIPES ARE LOCATED TEN FEET PART OR LESS. DO NOT DISTURB EXISTING PIPELINES.
6. ALL WORK SHALL COMPLY WITH CALIFORNIA DEPARTMENT OF HEALTH SERVICES.



CASE 2
NEW WATER MAIN CROSSING

8 DS-3 PIPE SEPARATION
NOT TO SCALE

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-3
SHEET 17 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS3-C17.dwg 07/04/16 11:27:pm

INDEX MAP SHOWING SEWERS IN CITY OF COMPTON

Legend

- Compton Pipes
- Compton Manholes
- Trunk Pipes
- Trunk Manholes
- Parcels
- City Boundary

REVISED

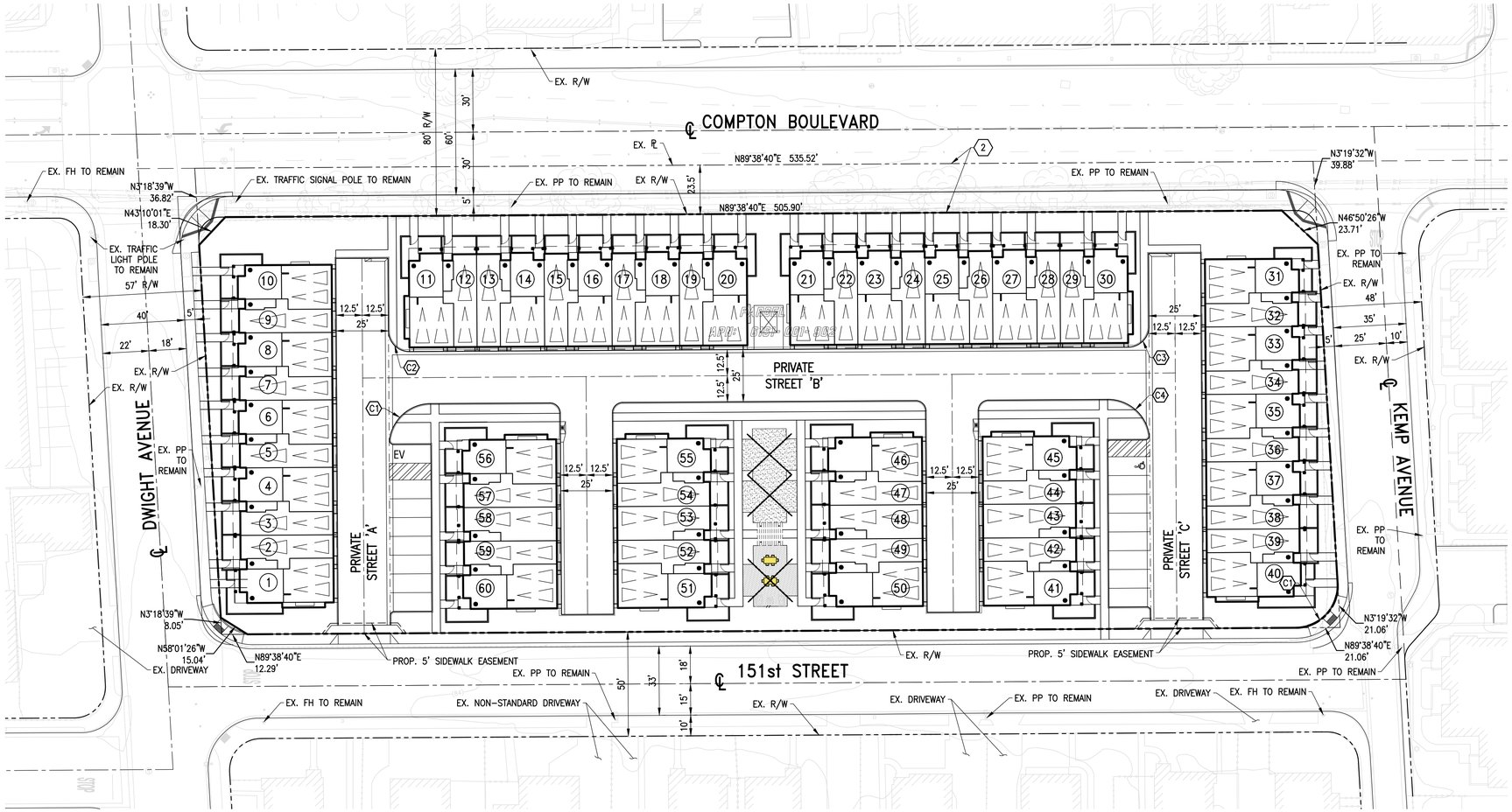
N

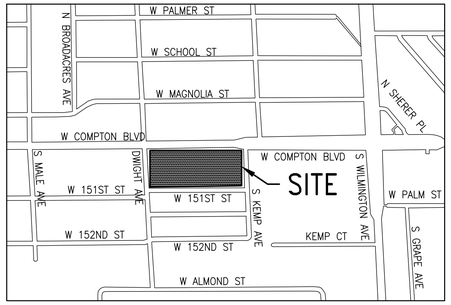
Appendix D

TENTATIVE TRACT MAP

(PROJECT SITE)

CITY OF COMPTON
TENTATIVE TRACT MAP No. 82807
FOR CONDOMINIUM PURPOSES
"CONCORD"





VICINITY MAP
N.T.S.

OWNER:

CITY VENTURES
3121 MICHELSON DR. SUITE 150
IRVINE, CA 92612
PHONE: (949) 258-7555

CIVIL ENGINEER:

C&V CONSULTING, INC.
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
PHONE: (949) 916-3800
CONTACT: DAVID TERRY

TITLE INFORMATION:

THE FOLLOWING TITLE INFORMATION WAS DERIVED FROM A PRELIMINARY TITLE REPORT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER NO.: 989-30024731-SC4 DATED JANUARY 22, 2019 AT 7:30 A.M.

# DENOTES PLOTTED ITEM.

(2) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO:	CITY OF COMPTON, A MUNICIPAL CORPORATION
PURPOSE:	PUBLIC STREET AND INCIDENTAL PURPOSES
RECORDING DATE:	AUGUST 27, 1959
RECORDING NO:	BOOK D585, PAGE 834 OF OFFICIAL RECORDS

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF COMPTON IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHERLY 223.5 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THE EASTERLY 70 FEET THEREOF.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF COMPTON, RECORDED OCTOBER 1, 1948 AS INSTRUMENT NO. 1844, IN BOOK 28405, PAGE 70 OF OFFICIAL RECORDS, AS TO PARCELS 1 AND 2 BELOW:

PARCEL 1:

THAT PORTION OF SAID LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT "G" (SAID NORTHERLY LINE BEARS NORTH 89° 58' 40 EAST), DISTANT THEREON 592.62 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF SAID LOT "G";

THENCE SOUTH 13° 19' 40" EAST, A DISTANCE OF 223.80 FEET;

THENCE SOUTH 89° 38' 40" WEST, A DISTANCE OF 30 FEET:

THENCE NORTH 13° 19' 40" WEST TO THE NORTHERLY LINE OF SAID LOT "G";

THENCE EASTERLY ALONG SAID NORTHERLY LINE OF SAID LOT "G" TO THE POINT OF BEGINNING TO BE KNOWN AS KEMP STREET.

PARCEL 2:

THE WESTERLY 27 FEET OF THE NORTHERLY 223.50 FEET TO THE NORTHWEST QUARTER OF LOT "G" OF TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TO BE KNOWN AS DWIGHT STREET.

EXCEPT THEREFROM ALL OIL, GAS, MINERAL AND HYDROCARBON SUBSTANCES LYING BEING A DEPTH OF 500 FEET FROM THE SURFACE OF SAID LAND, WITHOUT RIGHT OF SURFACE ENTRY, WHICH RIGHT IS RESERVED IN THE DEED FROM ROBERT L. HOROWITZ AND ELEANOR HOROWITZ, HIS WIFE, CLARENCE K. HOROWITZ AND ROSALIE H. HOROWITZ, HIS WIFE, AND FREDERICK G. HOROWITZ AND BARBARA J. HOROWITZ, HIS WIFE, RECORDED MARCH 3, 1970 AS INSTRUMENT NO. 215 OF OFFICIAL RECORDS.

APN(S): 6161-001-902

SHEET INDEX:

1 TENTATIVE MAP
2 CONCEPTUAL SITE PLAN
3 SECTIONS
4 CONCEPTUAL GRADING PLAN
5 CONCEPTUAL UTILITY PLAN

ABBREVIATIONS:

AC	ASPHALT CONCRETE
ASPH	ASPHALT
BLDG	BUILDING
CB	CATCH BASIN
CF	CURB FACE
℄	CENTER LINE
CO	CLEAN OUT
CONC	CONCRETE PAVEMENT
DW	DOMESTIC WATER
EX	EXISTING
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GV	GATE VALVE
INV	INVERT
LAT	LATERAL
MH	MANHOLE
NTS	NOT TO SCALE
OH-E	OVERHEAD POWERLINE
PP	POWER POLE
ℙ	PROPERTY LINE
PROP	PROPOSED
R	RISER
RCP	ROUNDED REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SS	SANITARY SEWER
SVC	SERVICE
S/W	SIDEWALK
ST LT	STREET LIGHT
TYP.	TYPICAL
WM	WATER METER

LEGEND:

- CENTERLINE
- EX. TRACT BOUNDARY/ RIGHT-OF-WAY LINE
- PROP. TRACT BOUNDARY / RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- EX. FENCE
- PROP. WALL
- (84) EX. CONTOUR LINE
- FIRE HYDRANT
- WATER VALVE
- EX. SEWER MANHOLE
- EX. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- PROP. BUILDING
- (17) LOT NUMBER

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA

FLOOD NOTE:

THE SUBJECT PROPERTY FALLS WITHIN "ZONE X – AREA OF MINIMAL FLOOD HAZARD" PER FEMA MAP NO. 06037C1815F, A PRINTED PANEL, EFFECTIVE SEPTEMBER 26, 2008

TOPOGRAPHY NOTE:

TOPOGRAPHY AND CONTOURS SHOWN HEREON ARE BASED ON 1' CONTOUR INTERVALS FROM AERIAL PHOTOGRAMETRY FLOWN BY C&V CONSULTING INC. ON 4/2/2019. THE RELATIVE POSITIONAL ACCURACY OF CALLED OUT IMPROVEMENTS SHOWN ON THE SURVEY IS WITHIN 0.1' OF THEIR ACTUAL LOCATIONS.

BENCHMARK STATEMENT:

LOS ANGELES COUNTY BENCHMARK NO. Y5878
ELEV: 99.944' (NAVD88 LEVELED 2005)
DESCRIBED AS: "L&T IN CB RET 4.3M(14FT) E/O BCR @ NW CORNER LONDRA BL & CENTRAL AVE"

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE BEARING OF WEST COMPTON AVENUE BEING NORTH 89°38'40" EAST AS SHOWN ON TRACT NO. 15223 FILED IN BOOK 331, PAGES 47 AND 48 OF MAPS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER.

ZONING INFORMATION

EXISTING GENERAL PLAN: MEDIUM DENSITY RESIDENTIAL
PROPOSED GENERAL PLAN: HIGH DENSITY RESIDENTIAL

EXISTING ZONING: CL – LIMITED COMMERCIAL AND P – PARKING
PROPOSED ZONING: CL – LIMITED COMMERCIAL

REQUIRED SETBACKS:
FRONT YARD – COMPTON BLVD: 15' TO BUILDING
STREET SIDE YARD – DWIGHT AVE: 5' TO BUILDING
STREET SIDE YARD – KEMP AVE: 5' TO BUILDING
REAR YARD – 151ST ST: 10' TO BUILDING

MINIMUM BUILDING SEPARATION: 8'

AREA SUMMARY:

107,051.35 SQ. FT. (2.457 AC) GROSS
106,726.73 SQ. FT. (2.450 AC) NET

DATE OF PREPARATION:

3/22/21

UTILITY PROVIDERS:

UTILITY	AGENCY	PHONE NUMBER
STORM DRAIN	CITY OF COMPTON	(310) 605-5505
SANITARY SEWER	REPUBLIC SERVICES	(800) 299-4898
WATER	COMPTON MUNICIPAL WATER DEPARTMENT	(310) 605-5524
ELECTRICITY	SOUTHERN CALIFORNIA EDISON	(800) 655-4555
TELEPHONE	AT&T	(800) 331-0500
GAS	SOCALGAS	(800) 427-2200
CATV	SPECTRUM	(866) 874-2389

SCALE: 1" = 30'
0 15 30 60

PREPARED BY:

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LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
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F. 949.916.3805
CVC-INC.NET

"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 1 of 5

PROJ: CVEN-125
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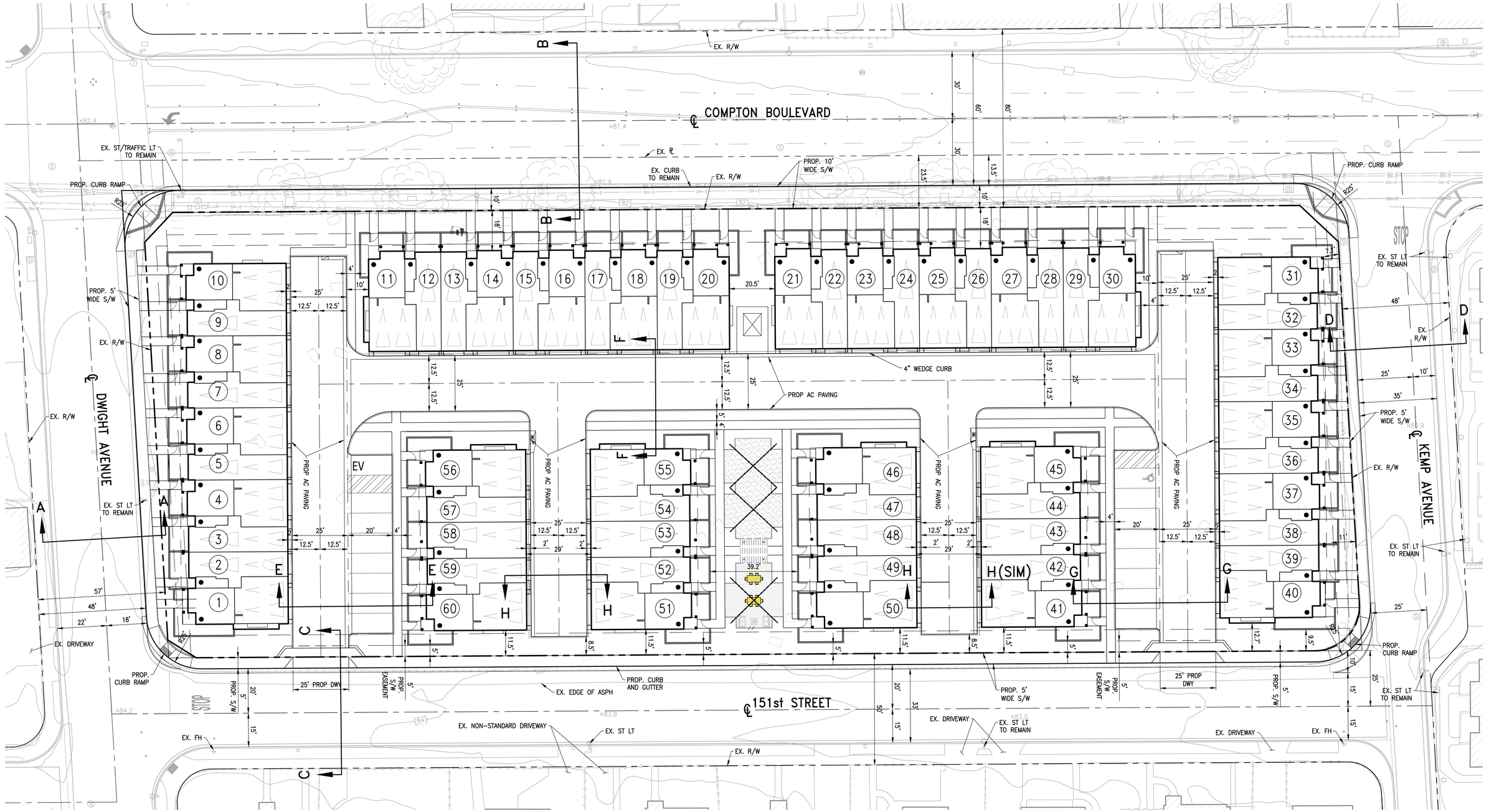
CITY OF COMPTON
CONCEPTUAL SITE PLAN



PREPARED BY:

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SCALE: 1" = 20'
0 10 20 40

CONCEPTUAL SITE PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 2 of 5

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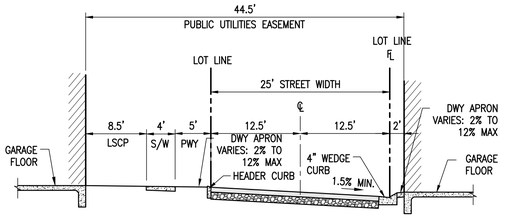
CITY OF COMPTON
STREET SECTIONS



SECTION 'F-F'
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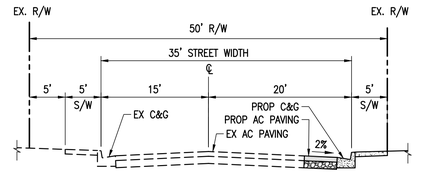

TYPICAL SECTION 'C-C'
151ST ST.
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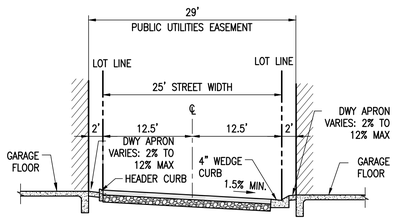

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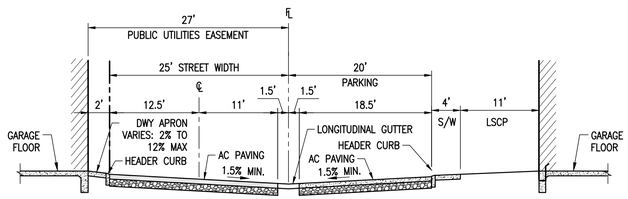

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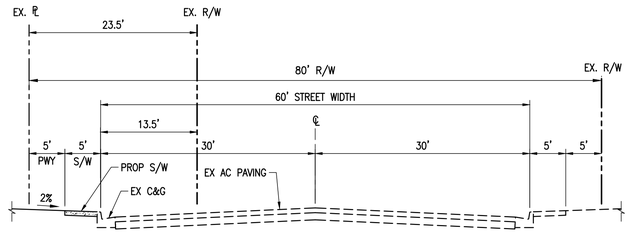

TYPICAL SECTION 'B-B'
COMPTON BLVD.
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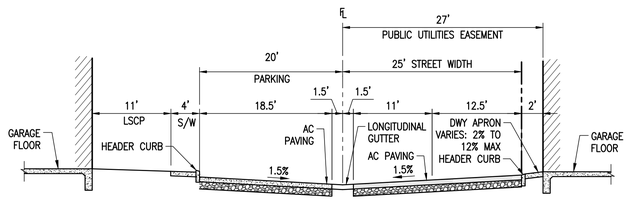

SECTION 'G-G'
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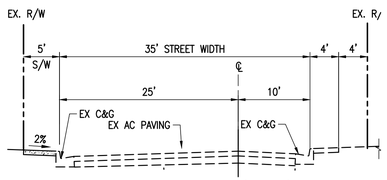

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KEMP AVE.
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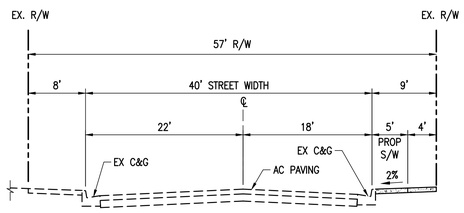

TPYICAL SECTION 'A-A'
DWIGHT AVE.
N.T.S.

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C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
T. 949.916.3800
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CVC-INC.NET

STREET SECTIONS
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 3 of 5

DWG: P:\CVC\CVCN-125\dwg\Sheets\TTM\TTM-PD-03-SECTION.dwg BY: danny Apr 05, 2021 - 3:53:45pm
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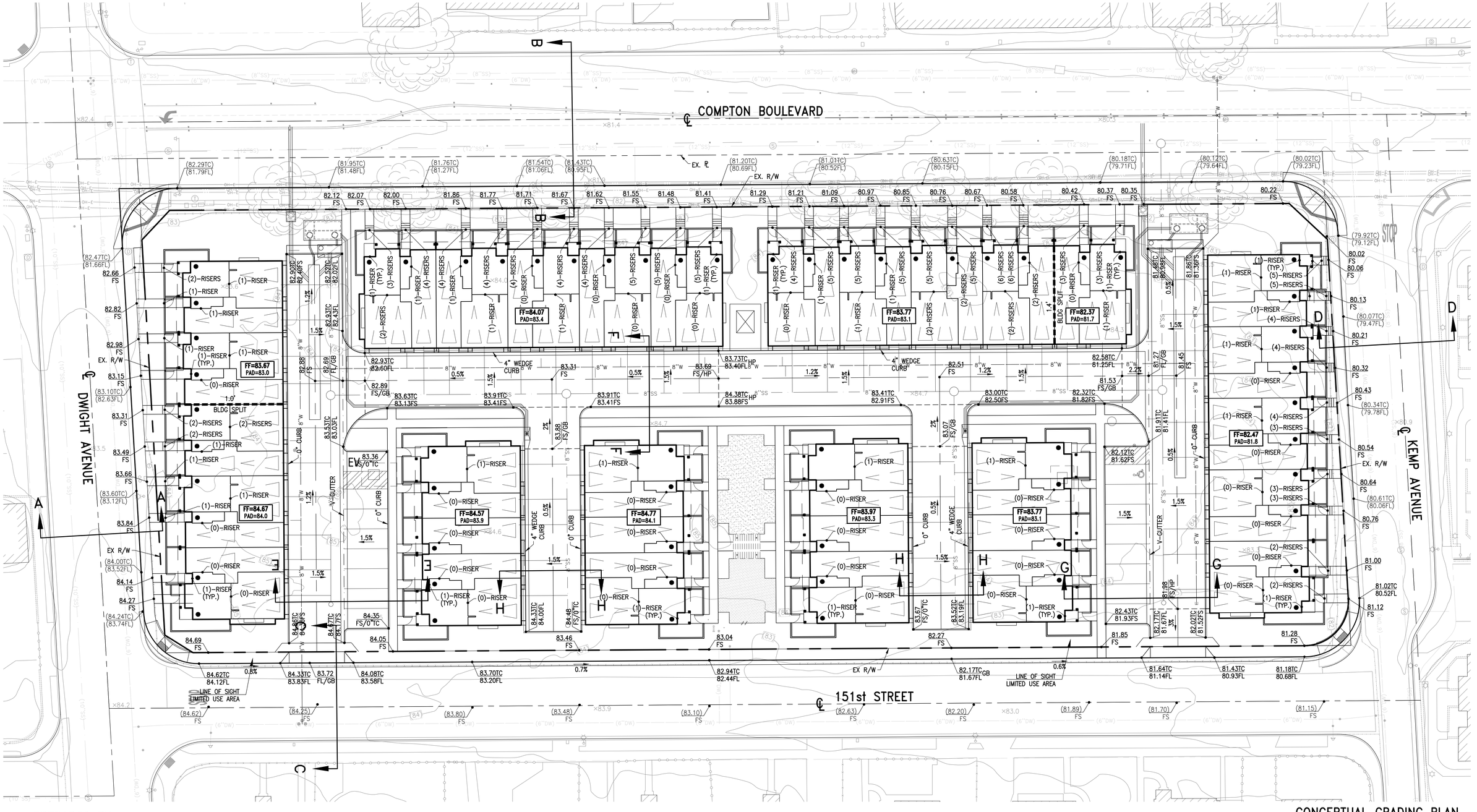
CITY OF COMPTON
CONCEPTUAL GRADING PLAN



PREPARED BY:

C&V CONSULTING, INC. CIVIL ENGINEERING LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630

T. 949.916.3800
F. 949.916.3805

CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

CONCEPTUAL GRADING PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 4 of 5

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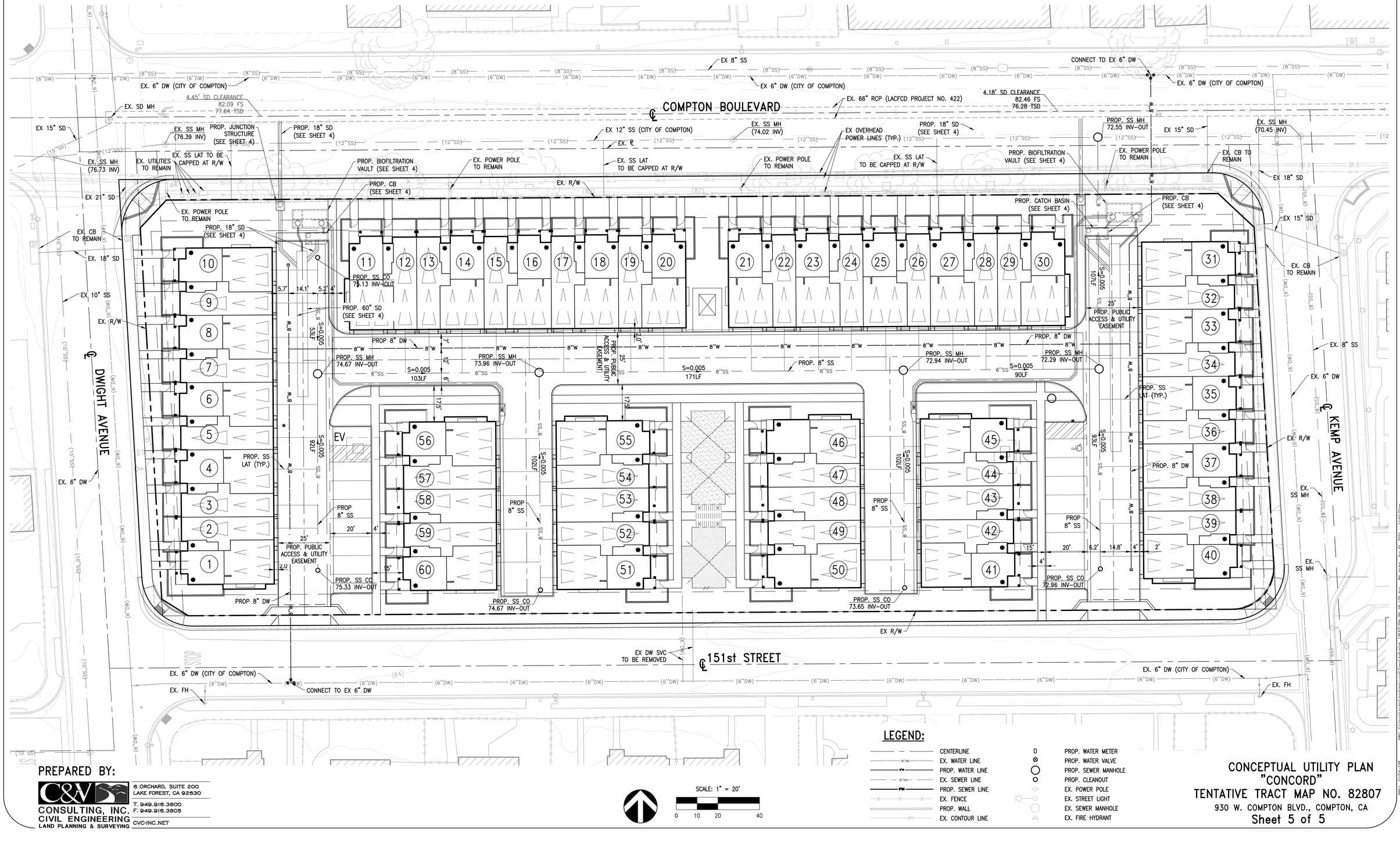
CITY OF COMPTON
CONCEPTUAL UTILITY PLAN



PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
T. 949.916.3800
F. 949.916.3805
CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

LEGEND:

- CENTERLINE
- EX. WATER LINE
- PROP. WATER LINE
- EX. SEWER LINE
- PROP. SEWER LINE
- EX. FENCE
- PROP. WALL
- EX. CONTOUR LINE
- PROP. WATER METER
- PROP. WATER VALVE
- PROP. SEWER MANHOLE
- PROP. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- EX. SEWER MANHOLE
- EX. FIRE HYDRANT

CONCEPTUAL UTILITY PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 5 of 5

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Appendix E

LACDPW SEWER AREA STUDY GUIDELINES,

SEWER ATLAS MAP

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION

AREA STUDY

An area study must be made for all private contract sewer projects. See attached sample. The area study must include the following items:

1. Area being served - In Acres
2. Determined Tributary area to main line being designed (incl. areas of future devel.)- In Acres
3. Existing and Land Use Zoning
4. Anticipated Sewer Discharge in cfs of total area based on zoning, and/or heavy water users
5. Existing or proposed utilities if in conflict
6. Existing and proposed sewers showing pipe size and grade leading up to the trunk line in order for you to evaluate the impact of your proposed development on the existing system
7. Direction of sewer flow
8. Contour lines
9. Scale not to be less than 1"=600'
10. North arrow pointing up or to the left

ZONING COEFFICIENTS

ZONE	COEFFICIENT (cfs/Acre)
Agriculture	0.001
Residential	
R-1	0.004
R-2	0.008
R-3	0.012
R-4	0.016 *
Commerical	
C-1 through C-4	0.015 *
Heavy Industrial	
M-1 through M-4	0.021 *

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown.

The coefficient to be used for any zoned areas not listed will be determined by the County based upon the intended development and use.

The County shall determine which of the coefficients or combination of coefficients shall be used for design as determined by the established or proposed zoning in the study area. Any modifications to these coefficients due to topography, development, or hazard areas, shall be approved by the Department of Public Works.

Estimated Average Daily Sewage Flows for Various Occupancies

Occupancy	Abbreviation	*Average daily flow	
Apartment Buildings:			
Bachelor or Single dwelling units	Apt	100	gal/D.U. → 150
1 bedroom dwelling units	Apt	150	gal/D.U. → 200
2 bedroom dwelling units	Apt	200	gal/D.U. → 250
3 bedroom or more dwelling units	Apt	250	gal/D.U. → use 300 GPD per SMD
Auditoriums, churches, etc.	Aud	5	gal/seat
Automobile parking	P	25	gal/1000 sq ft gross floor area
Bars, cocktails lounges, etc.	Bar	20	gal/seat
Commercial Shops & Stores	CS	100	gal/1000 sq ft gross floor area
Hospitals (surgical)	HS	500	gal/bed
Hospitals (convalescent)	HC	85	gal/bed
Hotels	H	150	gal/room
Medical Buildings	MB	300	gal/1000 sq ft gross floor area
Motels	M	150	gal/unit
Office Buildings	Off	200	gal/1000 sq ft gross floor area
Restaurants, cafeterias, etc.	R	50	gal/seat
Schools:			
Elementary or Jr. High	S	10	gal/student
High Schools	HS	15	gal/student
Universities or Colleges	U	20	gal/student
College Dormitories	CD	85	gal/student

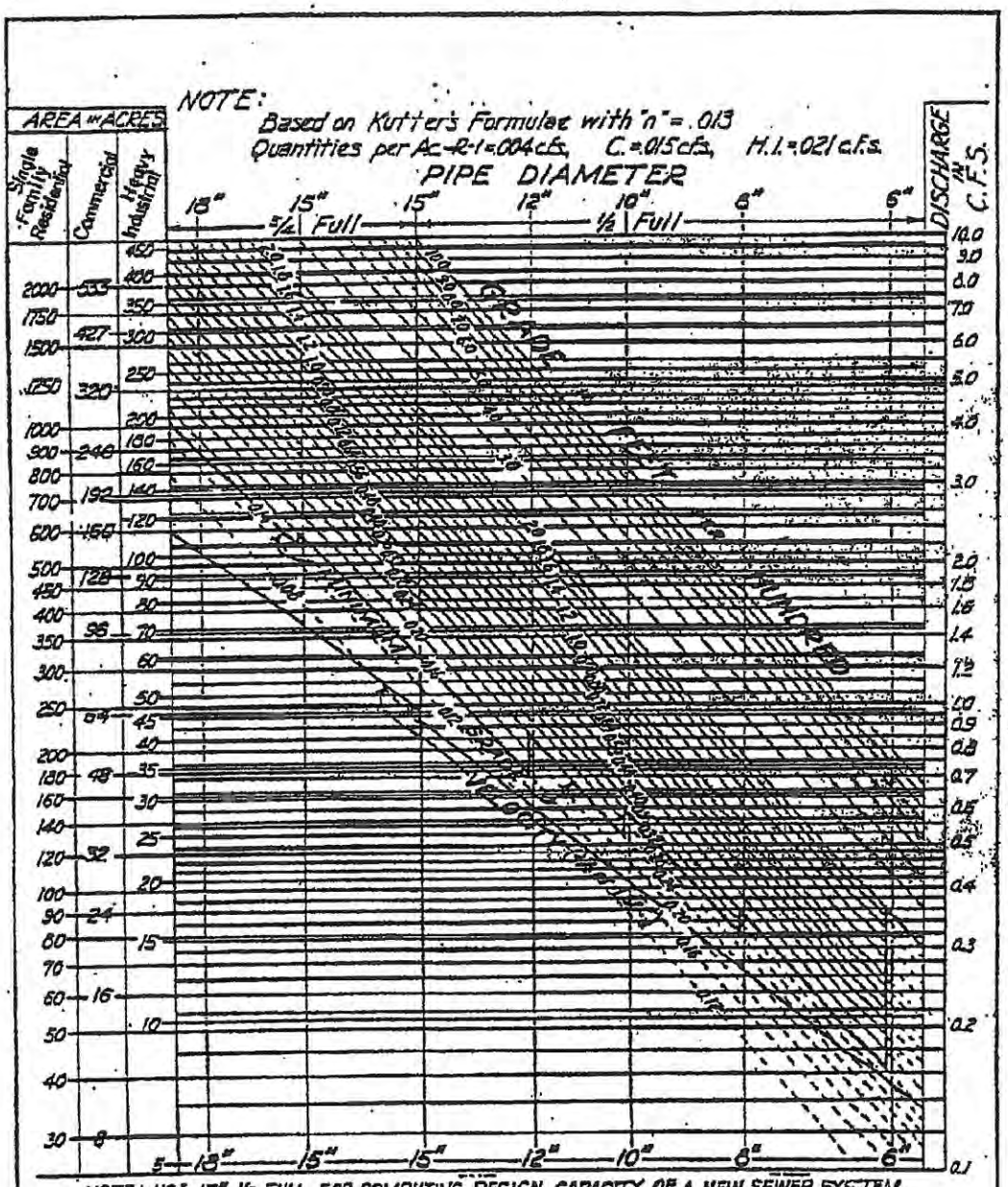
*Multiply the average daily flow by 2.5 to obtain the peak flow

Zoning Coefficients

Zone	Coefficient (cfs/Acre)
Agriculture	**0.001**
Residential+:	
R-1	**0.004**
R-2	**0.008**
R-3	**0.012**
R-4	**0.016***
Commercial:	
C-1 through C-4	**0.015***
Heavy Industrial:	
M1 through M-4	**0.021***

***Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown**

+ Use 0.001 (cfs/unit) for condominiums only



FLOW DIAGRAM FOR THE DESIGN OF CIRCULAR SANITARY SEWERS

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

ASSISTANT DEPUTY

COUNTY ENGINEER

COUNTY ENGINEER STANDARD S-C4

DATE: 3/80

DESIGN RCE 10443

Appendix F

LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

April 5, 2019

Ref. Doc. No.: 4998396

Ms. Caitlin Espinoza
Project Coordinator
C & V Consulting, Inc.
6 Orchard, Suite 200
Lake Forrest, CA 92630

Dear Ms. Espinoza:

Will Serve Letter for 930 West Compton Boulevard Residential Project

The Sanitation Districts of Los Angeles County (Districts) received your will serve letter request for the subject project on March 21, 2019. The proposed project is located within the jurisdictional boundaries of District No. 1. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Joint Outfall G Unit 5 Trunk Sewer, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently produces an average flow of 261.1 mgd.

3. The expected average wastewater flow from the project, described in the conceptual site plan as 24 homes, is 6,240 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee for the privilege of connecting (directly or indirectly) to the Districts' Sewerage System for increasing the strength or quantity of wastewater discharged from connected facilities. This connection fee is a capital facilities fee that is imposed in an amount sufficient to construct an incremental expansion of the Sewerage System to accommodate the proposed project. Payment of a connection fee will be required before a permit to connect to the sewer is issued. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and search for the appropriate link. In determining the impact to the Sewerage System and applicable connection fees, the Districts' Chief Engineer and General Manager will determine the user category (e.g. Condominium, Single

Family home, etc.) that best represents the actual or anticipated use of the parcel or facilities on the parcel. For more specific information regarding the connection fee application procedure and fees, please contact the Connection Fee Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CCA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise you that the Districts intend to provide this service up to the levels that are legally permitted and to inform you of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717.

Very truly yours,

for:

Adriana Raza
Customer Service Specialist
Facilities Planning Department

AR:ar

cc: A. Schmidt
A. Howard

Appendix G

CITY OF COMPTON ZONING MAP

ZONING
THE USE AND REGULATION OF LAND

All land in the City is divided into zones which regulate, through the Zoning Ordinance of the Compton Municipal Code, how a piece of property can be used and physically developed. These zones are designed to promote orderly development, allowing similar uses to coexist while separating incompatible uses.

1. Automatically Permitted Uses

Uses which require no special permits provided that the physical development of the site meets Municipal Code guidelines. Normal permits such as certificates of occupancy, business licenses, building permits, etc., are still required.

2. Conditionally Permitted Uses

Uses which require a special permit, called a "Conditional Use Permit", in addition to all normal permits. Some uses may be "conditionally" permitted in one zone and "automatically" permitted in another zone. Other uses require a Conditional Use Permit no matter where they are located.

The Zoning Ordinance also prohibits certain uses, either in one or more zones or Citywide. If a use is not listed as "automatically" or "conditionally permitted" in the zone or "conditionally permitted" Citywide it is prohibited.

The physical development of land (setbacks, parking, signs, fences, etc.) is also regulated by the Zoning Ordinance. Proposed development must conform to both the usage and the development requirements for the specific zone.

Zoning within the City of Compton is divided into the following designations:

The "R-A" (Residential Agriculture) Zone, which provides for one-family homes on 10,000 square foot or larger lots and certain agricultural uses.

The "R-L" (Low-Density Residential) Zone, which provides for one-family homes on 5,000 square foot or larger lots.

The "R-M" (Medium-Density Residential) Zone, which provides for one dwelling unit per 2,500 square feet on 5,000 square-foot or larger lots. More than four dwelling units require a Conditional Use Permit.

The "R-H" (High-Density Residential) Zone, which provides for one dwelling unit per 1,250 square feet on 5,000 square foot or larger lots. More than four dwelling units require a Conditional Use Permit.

City of Compton
Zoning Map

Legend

- City Limits
- RA - Residential Agriculture
- RL - Low Density Residential
- RM - Medium Density Residential
- RH - High Density Residential
- P - Parking
- PRL - Parking/Low Density Residential
- PRM - Parking/Medium Density Residential
- PRH - Parking/High Density Residential
- CL - Limited Commercial
- CM - Commercial Manufacturing
- ML - Limited Manufacturing
- MH - Heavy Manufacturing
- B - Buffer
- LAC - Los Angeles County
- UNZONED
- creek
- streetsphere

THIS MAP IS A PUBLIC RESOURCE OF GENERAL INFORMATION. THE CITY OF COMPTON MAKES NO WARRANTY, REPRESENTATION OR GUARANTY AS TO THE CONTENT, SEQUENCE, ACCURACY, TIMELINESS OR COMPLETENESS OF ANY OF THE DATABASE INFORMATION PROVIDED HEREIN. THE READER SHOULD NOT RELY ON THE DATA PROVIDED HEREIN FOR ANY REASON. THE CITY OF COMPTON EXPLICITLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE CITY OF COMPTON SHALL ASSUME NO LIABILITY FOR:

1. ANY ERRORS, OMISSIONS, OR INACCURACIES IN THE INFORMATION PROVIDED REGARDLESS OF HOW CAUSED; OR
2. ANY DECISION MADE OR ACTION TAKEN OR NOT TAKEN BY READER IN RELIANCE UPON ANY INFORMATION OR DATA FURNISHED HEREUNDER.

N

SEWER AREA STUDY

TTM No. 82807
CIP #10-18/JN120S
SMD Index 1757, 1812

Prepared for:
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Contact: Kim Prijatel
(949) 258-7555

Property:
TTM No. 82807
APN 6161-001-902
930 West Compton Boulevard
City of Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Contact: David Terry, Project Manager

Ryan J. Bittner R.C.E. 68167

October 2019
Revised: April 2021

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PROJECT DESCRIPTION	2
METHODOLOGY	2
SEWER PIPE CAPACITY ANALYSIS	4
CONCLUSION	5

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B. SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

C. SEWER AS-BUILTS, SEWER MAINTENANCE DIVISION INDEX MAPS, SEWER ATLAS MAP

D. TENTATIVE TRACT MAP (PROJECT SITE)

E. COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, SEWER AREA STUDY DESIGN GUIDELINES

F. LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

G. CITY OF COMPTON ZONING MAP

INTRODUCTION

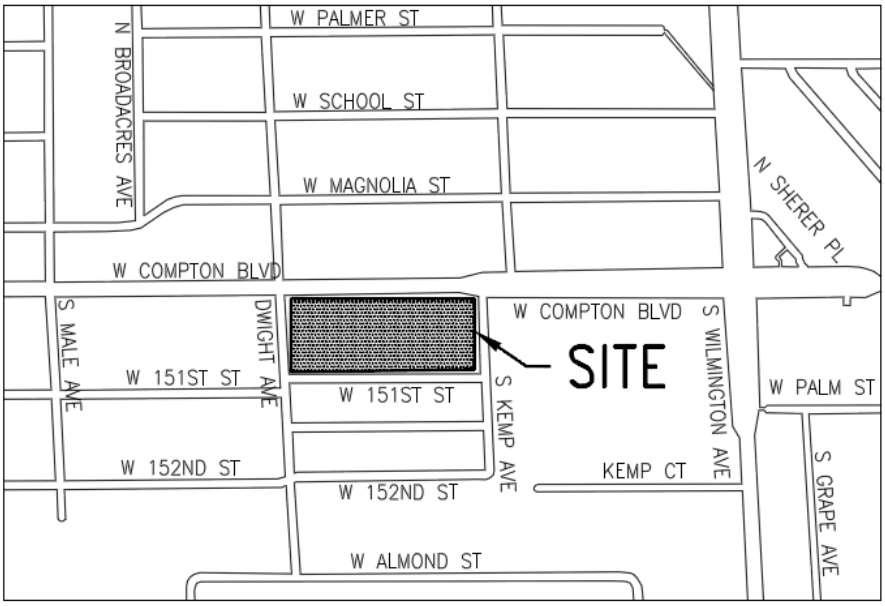
The following Area Study has been prepared by C&V Consulting, Inc. to determine and show:

- ***A.*** The capacity of the existing sewer segments from proposed development site to the Los Angeles County Sanitation District (LACSD) maintained trunk sewers.
- ***B.*** The existing sewer facility will adequately service the proposed development.

This analysis will include any and all tributary flow to the sewer system from the proposed development to the LACSD trunk line downstream of the proposed development. All tributary area within this area study has been developed.

SITE DESCRIPTION

The project is located at 930 West Compton Boulevard, in the City of Compton, California. The site is bounded by West Compton Boulevard to the north, West 151st Street and existing single-family residential to the south, South Kemp Avenue and existing single-family residential to the east, and Dwight Avenue and a liquor store to the west. The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 100% for the existing condition of the site.



VICINITY MAP
N.T.S.

PROJECT DESCRIPTION

The project proposes the construction of eight condominium buildings of sixty (60) attached units with private garages, private drive aisles, hardscape, associated landscaping, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along West 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open space areas. The proposed project is located within the jurisdictional boundaries of Los Angeles County Sanitation District No. 1. The proposed sewer system will be gravity fed and flow will be towards a local sewer line located along West Compton Boulevard, which conveys and connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer.

AP Number	Size (ac)
6161-001-902	2.75

METHODOLOGY

This study will investigate the sewerage discharge route along West Compton Boulevard from the proposed development (TTM No. 82807) to the Districts' Joint Outfall G Unit 5 Trunk Sewer. The route is on a local sewer line, which is not maintained by the Sanitation Districts of Los Angeles County, connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer for conveyance, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013. The subject route of the sewer main will be analyzed by segments based on sewer pipe size, slope, and tributary area.

Reach #1A segment is along West Compton Boulevard to Kemp Avenue, from the connection of the project site Manhole 2 to Manhole 3 and consisting of an existing 12" VCP sewer main with a slope of 0.72%. This segment includes the project site (Area #1A) and the upstream tributary areas of Reach #1.

Reach #2A segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 3 to Manhole 4 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #2 and the upstream tributary areas of Reach #1A.

Reach #2B segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 4 to Manhole 5 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes tributary areas of Reach #2A.

Reach #3A segment is on the cross-section of West Compton Boulevard and North Wilmington Avenue, Manhole 5 to Manhole 6 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #3 and the upstream tributary areas of Reach #2B.

Reach #4A segment is along West Compton Boulevard from Manhole 6 to Manhole 7 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment has a lateral connection to a sewer system to the North which also connects to CSD Manhole (G61). This lateral connection is plugged and abandoned as shown on Reference Sheet C-7. This indicates that the flow in the north sewer line conveys into the project sewer line in this study; therefore, the segment includes the upstream Area #4 and the upstream tributary areas of Reach #3A.

Reach #4B segment is along West Compton Boulevard from Manhole 7 to Manhole 8 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment includes the upstream tributary areas of Reach #4A.

Reach #5 segment is along West Compton Boulevard to Coral Street and connects to the 31.3" Sewer Trunk Line belonging to Sanitation District No. 1 from Manhole 8 to CSD Manhole (G61) consisting of a 15" VCP sewer main with a slope of 0.33%. This Reach#5 segment includes Area #5 and the tributary area of Reach 4B.

SEWER PIPE CAPACITY ANALYSIS

The existing sewer pipes were analyzed per County Standard S-C4 for a maximum design depth at half full for pipes less than 15" and three fourths full for pipes 15" and greater. Data were obtained from corresponding Sewer As-Built plans and Compton sewer atlas map in Appendix C for the analysis.

In order to calculate the pipe capacity, Kutter's formula was utilized assuming a depth of three-fourths full and a Manning's friction factor, n, of 0.013. Kutter's formula is shown below:

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685+\frac{0.00281}{S}+\frac{1.811}{n}}{1+\frac{\left(41.65+\frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Detailed results for each segment have been tabulated in Appendix B. Details of calculations for each reach of pipe has been included in Appendix B following the table.

The tributary sewer flow rate (Q) for the studied sewer lines are analyzed based on County standards as follows:

For Tributary Areas:
Q = Z*A
A = Tributary Area (Acre)
Z = Zoning Coefficients (Refer to the LACDPW guideline information within Appendix E)

For the Project Site
Q = (0.001 cfs/unit) x (60 units) = 0.060 cfs
(0.001 cfs/unit for proposed condominiums per County standard zoning coefficient within Appendix E)

The tributary areas were calculated by reference scaling the County of Los Angeles Sewer Maintenance Division's Atlas Index Maps and referencing County of Los Angeles Assessor's map. The zoning coefficients were referencing the LACDPW guidelines and the Zoning Map provided by the City of Compton in Appendix G. City of Compton's classification of Low-Density Residential matches the density description

of Los Angeles County Zone R-2, so the zoning coefficient of R-2 is used for Compton's zoning area of Low-Density Residential. Medium-Density Residential applies County R-3 coefficient value and High-Density Residential applies County R-4 coefficient value. These values match the capacity/density represent a more conservative scenario.

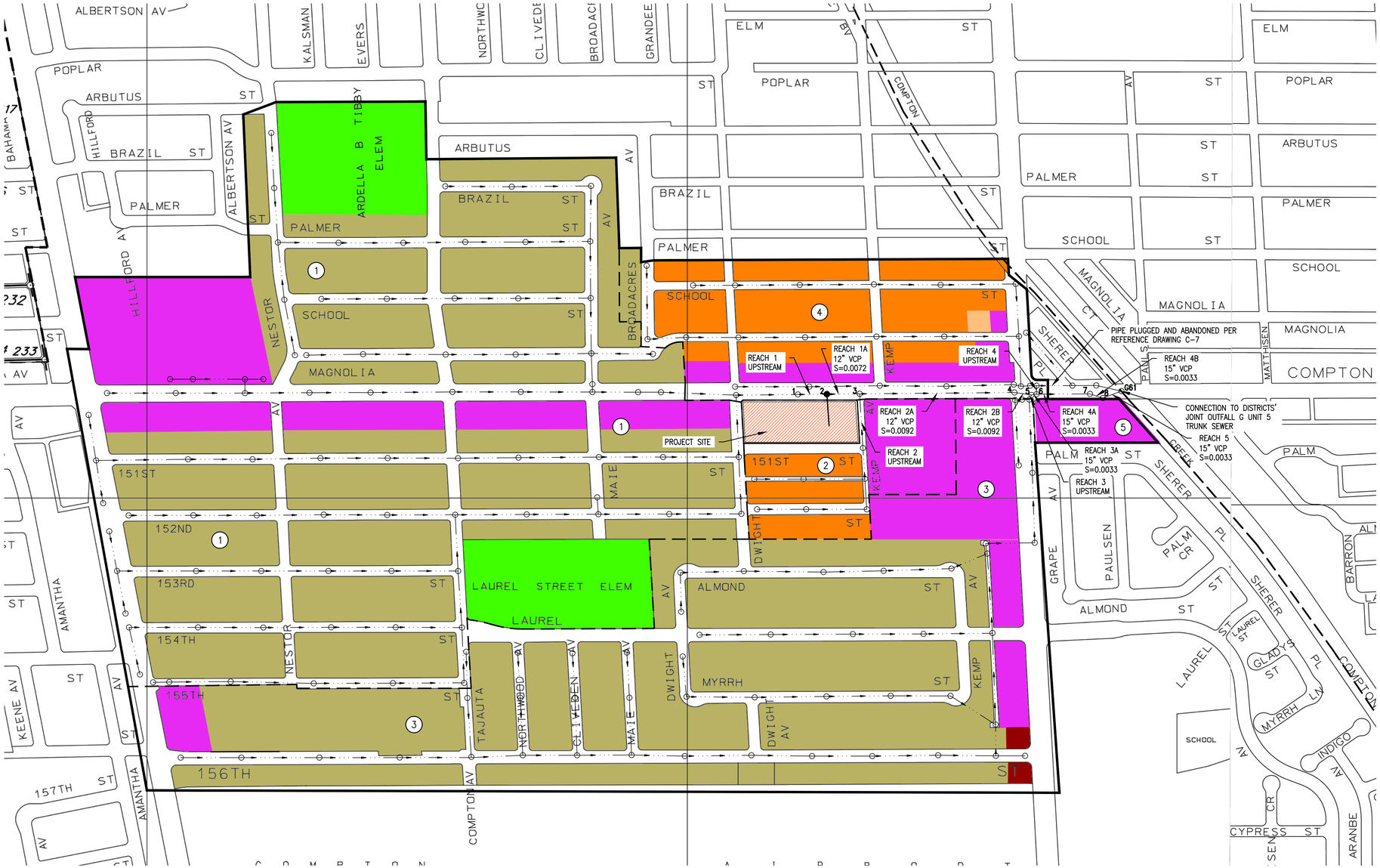
Per County requirements, we separately calculated the sewer discharge for schools based on the "Estimated Average Daily Sewage Flows for Various Occupancies" with a peaking factor of 2.5. Churches were taken into consideration of separate calculation, but the discharge calculated was insignificant compared to the zoning coefficient; therefore, the calculation for churches was analyzed by tributary area and corresponding zone. Unit counts were used to determine the flows on condominium sites where its unit density is greater than the tributary area and corresponding zone. The County Sewer Area Study guidelines indicate a zoning coefficient for R-1 Residential as 0.004 cfs/acre which allow up to 4 dwelling units per acre and matches the actual worse case density; For condominium, County recommends applying coefficient of 0.001 cfs/unit.

CONCLUSION

The existing sewer system being analyzed in this area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B for calculations and tabulated results. Therefore, we conclude that the existing sewer system has adequate capacity for the proposed development.

Appendix A

SEWER AREA STUDY EXHIBIT



LEGEND:

- SEWER AREA STUDY LIMITS
- COUNTY OF LOS ANGELES/ CITY OF COMPTON LIMITS
- TRIBUTARY AREA BOUNDARY TO SEWER SYSTEM
- SEWER SYSTEM FLOW PATH
- TRIBUTARY AREA (REFER TO CALCULATION TABLE)
- PROJECT SITE (MULTI-FAMILY CONDOMINIUMS)
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- PARKING/MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MUNICIPAL PARK
- SCHOOL
- LIMITED COMMERCIAL
- POC (POINT OF CONNECTION)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

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INFO@CVC-INC.NET
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SEWER AREA STUDY EXHIBIT
TENTATIVE TRACT NO. 82807

930 W. COMPTON BLVD.
COMPTON, CA.

Sheet 1 of 1

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Appendix B

SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

Sewer Area Study Table

TR 82807
930 West Compton Boulevard, Compton

Street Name	Segment		Pipe		*Capacity (cfs)		Tributary Area #	Tributary Area (Acres)	Zone	Zoning Coefficient	Calculated Flow (cfs)	**Cumulative Calculated Flow (cfs)	****Cumulative Depth (in)	PC Construction Plan #	Comments	*** Percentage Full	
	MH #	MH #	Size (in.)	Slope (%)	1/2 Full (<15")	3/4 Full (>15")										Flow Depth	Cumulative Flow/ Capacity
Reach #1 Upstream Tributary Area W. Compton Blvd.	1	2	12	0.72	1.444		1	70.52	Low Density Residential	0.0080	0.56416						
							1	17.58	Limited Commercial	0.0150	0.2637						
							1	Laurel Street Elementary School (7.92 AC)	(647 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0250		0.02503						
							1	Tibby Elementary (8.12 AC)	(554 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0214		0.02143	**0.8743**	4.58	CIP #10-18 /JN120S	Compton	76%	61%
Reach #1A W. Compton Blvd.	2	3	12	0.72	1.444		1A	**2.75**	**Proposed Condominium Coefficient 0.001 cfs/DU**		**0.06000**	**0.9343**	4.74	CIP #10-18 /JN120S	***Project Site*** Compton 60 Units	79%	65%
Reach #2A W. Compton Blvd.	3	4	12	0.92	1.633		2	4.05	Medium Density Residential	0.0120	0.04860						
								Condominium Tract No. 51441 (1.05 AC)	(37 Units)(0.001cfs/DU)=0.037		0.03700	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #2B W. Compton Blvd.	4	5	12	0.92	1.633		2	-	-		-	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #3A W. Compton Blvd.	5	6	15	0.33		3.333	3	Condominium Tract No. 37774 (1.34 AC)	(32 Units)(0.001cfs/DU)=0.032		0.03200						
							3	Condominium Tract No. 34166 (2.49 AC)	(53 Units)(0.001cfs/DU)=0.053		0.05300						
								52.64	Low Density Residential	0.0080	0.42112						
								0.49	High Density Residential	0.0160	0.00784						
								4.00	Limited Commercial	0.0150	0.06000	**1.5939**	5.92	CIP #10-18 /JN120S	Compton	53%	48%
Reach #4A W. Compton Blvd.	6	7	15	0.33		3.333	4	0.79	Low Density Residential	0.0080	0.00630						
								13.07	Medium Density Residential	0.0120	0.15686						
								0.23	Parking/Medium Residential	0.0120	0.00274						
								3.54	Limited Commercial	0.0150	0.05315	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%

Reach #4B W. Compton Blvd.	7	8	15	0.33		3.333	4	-	-		-	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%
Reach #5 W. Compton Blvd.	8	G Unit 5	15	0.33		3.333	5	2.24	Limited Commercial	0.0150	0.03360	**1.8465**	7.61	CIP #10-18 /JN120S	LACSD Connection	68%	55%

* Calculated using the Kutter's Equation with n=0.013 and assuming 1/2 full (<15") and 3/4 full (>15")

** Based on current land use and coefficients per LA County, (Attach supporting calculations)

***Flow depth should be divided by 0.75 times the pipe diameter for pipes > 15" and 0.5 times the pipe diameter for pipes < 15"

****Calculations for pipe flow, and flow depth shown on following sheets

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1 Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.38	ft
Depth of Flow	4.58	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.621	radians
Flow Area, A	0.275	sf
Wetted Perimeter	1.331	ft
Hydraulic Radius, R	0.207	ft
Cumulative Flow, Q	0.874	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.74	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.566	radians
Flow Area, A	0.288	sf
Wetted Perimeter	1.359	ft
Hydraulic Radius, R	0.212	ft
Cumulative Flow, Q	0.934	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2B Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 3A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 3A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.49	ft
Depth of Flow	5.92	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.169	radians
Flow Area, A	0.386	sf
Wetted Perimeter	1.557	ft
Hydraulic Radius, R	0.248	ft
Cumulative Flow, Q	1.594	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4A Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4B Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 5 Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% fu	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 5 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.61	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.113	radians
Flow Area, A	0.625	sf
Wetted Perimeter	1.981	ft
Hydraulic Radius, R	0.315	ft
Cumulative Flow, Q	1.847	cfs

Laurel Street Elementary School

Claimed

1321 West Laurel Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
7/10	26 ★★★★★	PK-8	647	Public

This school is rated above average in school quality compared to other schools in California. Students here perform above average on state tests, are making about average year-over-year academic improvement, and this school has above average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 7/10
- Academic progress 6/10
- Advanced courses

EQUITY

- Equity overview 8/10
- Race/ethnicity
- Low-income students 7/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

7/10 Test scores

Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Tibby Elementary School

Unclaimed

1400 West Poplar Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
6/10	23 ★★★☆☆	K-8	554	Public

This school is rated about average in school quality compared to other schools in California. Students here perform about average on state tests, are making about average year-over-year academic improvement, and this school has about average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 6/10
- Academic progress 5/10
- Advanced courses

EQUITY

- Equity overview 5/10
- Race/ethnicity
- Low-income students 5/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

6/10 Test scores

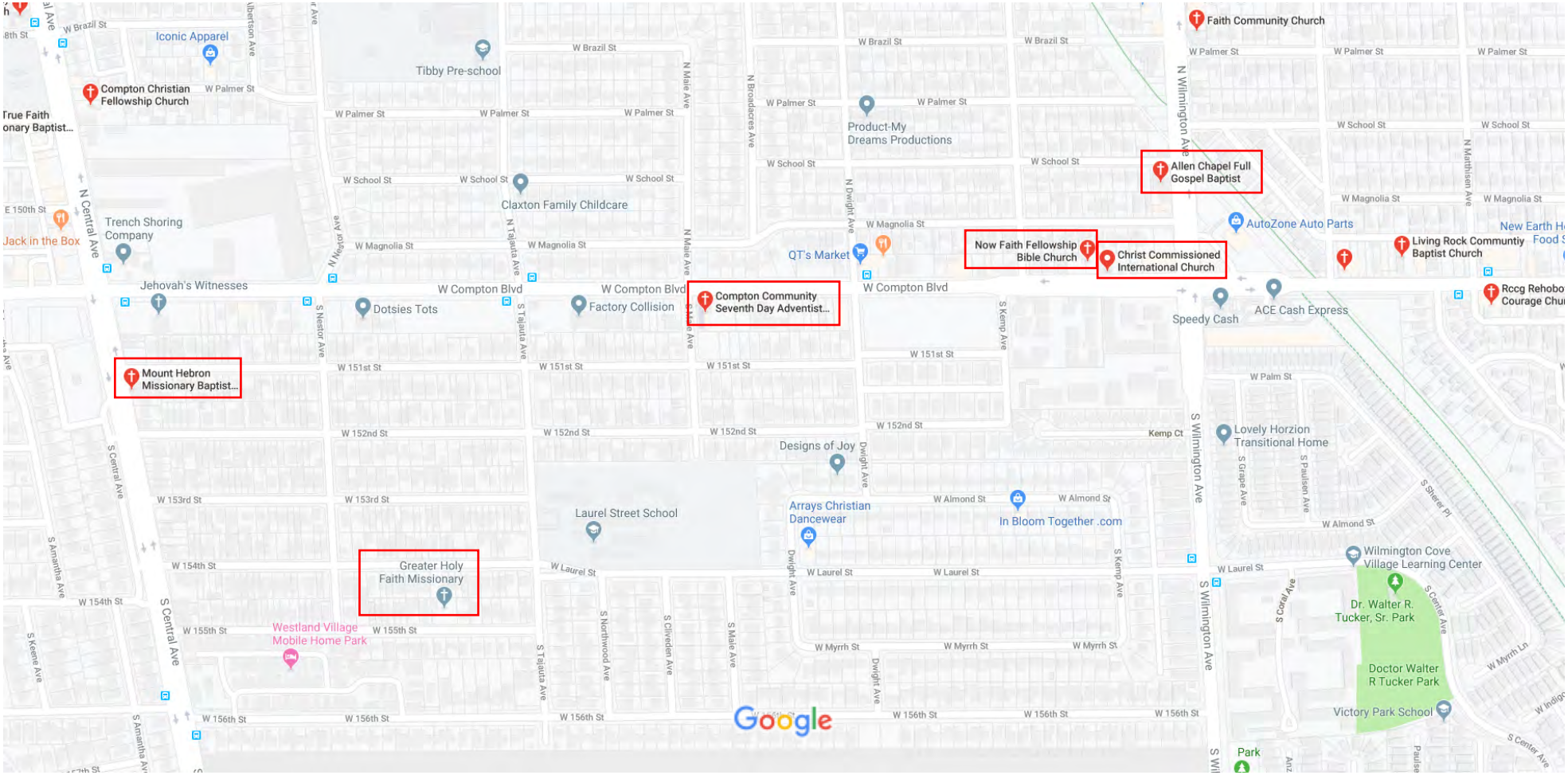
Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Google Maps

church

(Not a significant source for sewerage)



Map data ©2019 200 ft

Appendix C

SEWER AS-BUILTS & SEWER MAINTENANCE DIVISION INDEX MAPS

UTILITY OWNERS & CITY CONTACTS

UTILITY	CONTACT	TELEPHONE
COMPTON PUBLIC WORKS DEPARTMENT	GLEN KAU	(310) 605-5505
COMPTON WATER DEPARTMENT	MICHAEL HARVEY	(310) 605-5524
COMPTON WATER DEPARTMENT		(310) 505-7175
COMPTON TRAFFIC SIGNAL MAINTENANCE	JOE WEDGEWORTH	(951) 847-0070
COMPTON GENERAL MAINTENANCE	ROBERT MONTGOMERY	(310) 605-3501
COMPTON FIRE DEPARTMENT		(310) 605-5670
COMPTON SHERIFF DEPARTMENT		(310) 605-6500
AT&T CALIFORNIA (SBC- PACBELL)	TROY STANARD	(310) 515-2418
ATT TRANSMISSION	CURTIS SHAPAZIAN	(559) 442-2252
PARK WATER CO INC	MIKE ADAMS	(562) 923-0711 X1248
GOLDEN STATE WATER	MIKE THOMPSON	(310) 767-8210
SOUTHERN CALIFORNIA EDISON	CORNELIUS BROWNING	(310) 608-5070
SOUTHERN CALIFORNIA GAS COMPANY	DALE GRABOYES	(310) 687-2013
ATT TRANSMISSION TCG	ALLEN COLE	(213) 787-0204
.L OIL PIPELINE CO	RICH WALCK	(310) 816-2067
AS PLAYA DEL REY - TRANSMISSION	MIKE BATISTA	(818) 701-4543
AS PLAYA DEL REY - TRANSMISSION	OBSERVATION REPRESENTATIVE	(562) 665-5486
OUNTY SANITATION DISTRICT (CSD)	KYLE YEAMAN	(310) 638-1161
ANGELES CO DEPT OF PUBLIC WORKS	DARYLL CHENOWETH	(626) 458-3109
ANGELES CO DEPT OF PUBLIC WORKS		(626) 458-5100
ROPOLITAN TRANSPORTATION AUTHORITY	ASPET DAVIDIAN	(213) 922-5258
LEX TRAFFIC SYSTEMS	CARLOS TLILAYATZI	(310) 642-0470
WARNER CABLE	ESPIE MINERO	(310) 345-4174
DISON-TELECOMMUNICATIONS	TOMMY SAVAGE	(626) 308-6186
G NETWORKS INC	CHRIS CABICO	(909) 593-9700
VERIZON BUSINESS)	CHUCK TRIMBLE	(909) 421-3339
OMMUNICATIONS	LEE ARNOLD	(949)417-7762
TON RENAISSANCE TRANSIT		(562) 633-3798

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE 1-7-16

SHEET INDEX

DRAWING	SHEET	DESCRIPTION
G-1	1	TITLE SHEET
G-2	2	GENERAL NOTES
G-3	3	GENERAL NOTES, LEGEND AND SYMBOLS
C-1	4	POPLAR ST / DWIGHT AVE STA 10+00 TO 16+00
C-2	5	DWIGHT AVE STA 16+00 TO 22+00
C-3	6	DWIGHT AVE / SPRUCE ST TO PACIFIC AVE STA 22+00 TO 26+81.84
C-4	7	MAIE AVE / COMPTON BLVD STA 10+00 TO 16+00
C-5	8	COMPTON BLVD STA 16+00 TO 22+00
C-6	9	COMPTON BLVD STA 22+00 TO 28+00
C-7	10	COMPTON BLVD STA 28+00 TO 34+00
C-8	11	COMPTON BLVD STA 34+00 TO 35+74.13
C-9	12	WILMINGTON AVE STA 10+00 TO 16+00
C-10	13	WILMINGTON AVE STA 16+00 TO 20+09.39
C-11	14	SO. DWIGHT AVE STA 10+00 TO 12+85.80
DS-1	15	DETAILS
DS-2	16	DETAILS
DS-3	17	DETAILS

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES NOT KNOWN OR IN A LOCATION DIFFERENT FROM THAT WHICH IS SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UNDERGROUND SERVICE ALERT AT 1 (800) 227-2600.

TEMPORARY BENCHMARKS	COORDINATES	ELEV
SET TEMP. B.M. 35.00' S/O INT OF MAIE AVE. & COMPTON BLVD.	N 2493.76; E 3156.80	85.99'
SET TEMP B.M. 14.00' SEL'Y OF INT OF 151ST ST. & DWIGHT AVE.	N 2224.70; E 3848.10	84.76'
SET TEMP. B.M. ON COMPTON BLVD.	N 2509.97; E 4393.64	79.76"
SET TEMP B.M. 287.00'W X 34.00'S OF INT OF COMPTON BLVD. & WILMINGTON AVE.	N 2507.63; E 4855.40	77.44'
SET TEMP. B.M. 401.00'E X 32.00'N OF INT. OF COMPTON BLVD. & WILMINGTON AVE.	N 2579.89; E 5543.45	75.66'
SET TEMP. B.M. 54.00' NWL'Y OF INT. OF WILMINGTON AVE & SCHOOL ST.	N 3202.67; E 5062.24	76.22'
FD SSDM TEMP. B.M. ON INT OF WILMINGTON AVE. & ARBUTUS ST.	N 3755.71; E 5072.38	74.45'
FD SSDM 44.00' NWL'Y OF INT OF ELM ST. & WILMINGTON AVE.	N 4296.25; E 5000.93	75.53'

BASIS OF BEARINGS:

THE BEARING SOUTH 03°19'45" EAST, ON THE CENTERLINE OF WILMINGTON AVENUE (COMPTON AVENUE PER TRACT) AS SHOWN ON TRACT NO. 5627, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, AS PER MAP RECORDED IN BOOK 60, PAGES 17-19 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

BENCHMARK:

QUAD YEAR: BASELINE 2005
ELEVATION: 78.209 FT.
CS MON IN WELL 11.6M (38') N/O C/L ROSECRANS AVE & 50M(164') E/O C/L DWIGHT ST 11.6M(38') W/O NW COR BRIDGE OVER COMPTON CREEK MKD (CS MON BM 21-2 1952 RE 63)

BM NUMBER:1073A

CITY OF COMPTON

PUBLIC WORKS DEPARTMENT

SEWER BOND IMPROVEMENT PROJECT
JOB NO. JN120S
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT PROJECT, CIP # 10-18

ON WILMINGTON AVE FROM ELM AVE TO COMPTON CREEK
ON POPLAR AVE FROM GRANDEE AVE TO DWIGHT AVE
ON DWIGHT AVE FROM POPLAR AVE TO SPRUCE ST
ON SPRUCE ST FROM DWIGHT AVE TO LACSD AT COMPTON CREEK
ON COMPTON BLVD FROM MAIE AVE TO LACSD AT COMPTON CREEK
ON DWIGHT AVE FROM 151st ST TO COMPTON BLVD

COUNTY SANITATION DISTRICT (CSD) NOTES:

1. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION.

2. BEFORE BREAKING INTO A CSD SEWER OR MANHOLE, AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, A CSD INSPECTOR SHALL BE NOTIFIED BY TELEPHONE AT (310) 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

3. CONSTRUCTION OR ABANDONMENT OF CSD SEWERS OR MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND CSD'S LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DRAWINGS FOR CONSTRUCTION. A COPY OF THE AMENDMENTS AND STANDARD DRAWINGS MAY BE OBTAINED AT THE PUBLIC COUNTER (ROOM 110) LOCATED AT CSD'S JOINT ADMINISTRATION OFFICE, 1955 WORKMAN MILL ROAD, WHITTIER, CA 90601.

LACFCD / LACPDW NOTES:

CROSSINGS AT LOS ANGELES COUNTY STORM DRAIN & SEWER FACILITIES

1. THE CONTRACTOR SHALL NOTIFY THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS THAT THE WORK INCLUDES A PIPELINE REPLACEMENT OR NEW PIPE LINE CROSSING ABOVE THE EXISTING STORM DRAIN OR COUNTY SEWER. PERMIT, IF REQUIRED, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE CROSSING. WORK SHALL PROCEED ONLY ON COMPLIANCE WITH ALL REQUIREMENTS OF THE COUNTY DPW. CONTACT INFORMATION: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FREMONT AVE., ALHAMBRA, CA 91803, TELEPHONE (626) 458 3129 (SEE LACDPW WEBSITE FOR ADDITIONAL INFORMATION).

2. IF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND SEWER MAINTENANCE MANHOLES REQUIRE ADJUSTMENT, CONTRACTOR IS REQUIRED TO FOLLOW THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), 2006 EDITION, SUBSECTION 302-5.8, PERTAINING TO ADJUSTMENTS OF MANHOLES AND OTHER STRUCTURES. IN ADDITION, A CONSTRUCTION PERMIT IS REQUIRED.

UTILITY AGENCY NOTES:

SHELL PIPELINE CO:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, CONTACT RICH WALCK (310) 816-2067 TO ARRANGE FOR FIELD MARKINGS OF SHELL'S FACILITIES. THIS NOTIFICATION IS IN ADDITION TO TO NOTIFICATION THROUGH UNDERGROUND SERVICE ALERT. CONTRACTOR SHALL NOT PAVE OVER ANY SHELL SURFACE EQUIPMENT.

THE GAS COMPANY:
INFORM GAS COMPANY (OFFICE OF DALE GRABOYES, (310) 687-2013) OF CONSTRUCTION SCHEDULING AND ON SITE MEETINGS. GAS MAINS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY SOUTHERN CALIFORNIA GAS COMPANY. THE MAIN LOCATIONS ARE APPROXIMATE ONLY AND DEPTHS OF THE MAINS VARY. ACTUAL LOCATION AND DEPTHS WILL NEED TO BE VERIFIED BY POT HOLING. ADDITIONALLY, THERE MAY BE SERVICE LATERALS FROM THE MAINS THAT ARE NOT IDENTIFIED.

AT&T CALIFORNIA (SBC-PACBELL):
CONTACT THE OFFICE OF TROY STANARD AT (310) 515-2418 AT LEAST 2 DAYS PRIOR START OF WORK. UNDERGROUND TELECOM DUCTS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY AT&T CALIFORNIA. THE LOCATIONS ARE APPROXIMATE ONLY AND SIZES AND DEPTHS VARY. ACTUAL LOCATIONS AND DEPTHS WILL NEED TO BE VERIFIED BY POTHOLING. ADDITIONALLY, THERE MAY BE SERVICE CROSSINGS THAT ARE NOT IDENTIFIED.

PARK WATER:
CONTACT THE OFFICE OF MIKE ADAMS AT (562) 923-0711 X 1248 AT LEAST 2 DAYS PRIOR START OF WORK IN THE VICINITY OF PARK WATER . COORDINATE WITH PARK WATER STAFF DURING CONSTRUCTION.

CITY OF COMPTON MUNICIPAL WATER DEPARTMENT:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ACTIVITIES NOTIFY COMPTON WATER DEPARTMENT (310) 605-5524.

GOLDEN STATE WATER:
CONTACT THE OFFICE OF MIKE THOMPSON AT (310) 767-8210 AT LEAST 48 HOURS PRIOR START OF WORK IN THE VICINITY OF GOLDEN STATE WATER . COORDINATE WITH GOLDEN STATE STAFF DURING CONSTRUCTION.

NOTE:

1. CITY OF COMPTON "SEWER SPILL PREVENTION PLAN" SHALL BE IMPLEMENTED DURING PROJECT WORK. CONTRACTOR SHALL SUBMIT BYPASS PLAN FOR SEWER SYSTEM DURING CONSTRUCTION IN COMPLIANCE THEREOF.

NOTICE TO CONTRACTOR:

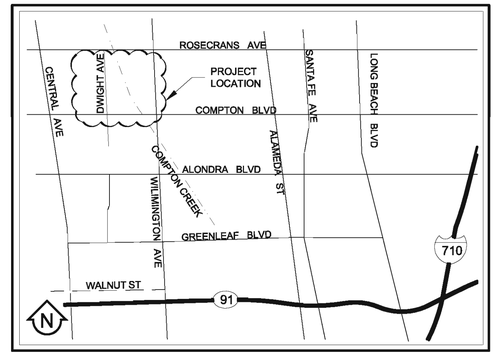
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING, AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY NECESSARY ADJUSTMENTS TO ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PREVENT DAMAGE TO ANY UTILITY FACILITIES SHOWN AND ANY OTHER FACILITIES NOT SHOWN ON THESE PLANS.

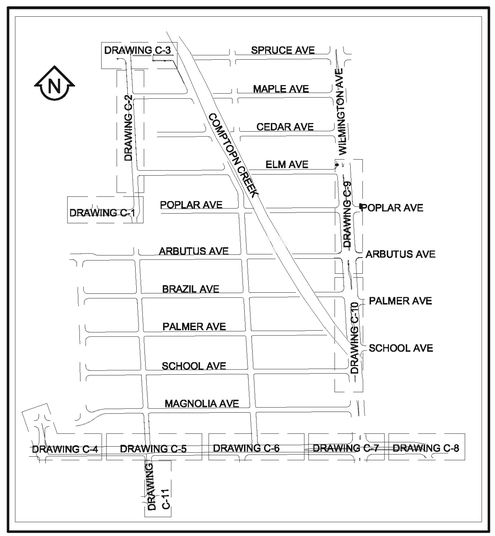
ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS AGREE THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THEY WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS INCLUDES PROVIDING FOR THE SAFETY OF ALL PERSONS AND PROPERTY AND SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTORS AND SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

CONTRACTOR NOTIFICATION:

BY SUBMITTAL OF A BID, THE CONTRACTOR REPRESENTS THAT THE SITES HAVE BEEN THOROUGHLY INVESTIGATED AND THAT ALL CONDITIONS HAVE BEEN ACCOUNTED FOR IN HIS BID. CONTRACTOR UNDERSTANDS THAT NO ADDED COSTS WILL BE ALLOWED FOR FAILURE TO ACCOMMODATE THE EXISTING CONDITIONS.



VICINITY MAP
N.T.S.



DRAWING LOCATION MAP
N.T.S.

CALL BEFORE YOU DIG — Underground Service Alert — CALL TOLL FREE 1-800 227-2600 — TWO WORKING DAYS BEFORE YOU DIG

COUNTY SANITATION DISTRICT NO. 1
OF LOS ANGELES COUNTY, CALIFORNIA
STEPHEN R. MAGUIN - CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY: _____ OFFICE ENGINEER

DATE: _____

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER — GLEN W. C. KAU — No. 56657 Exp. 06-30-17 — CIVIL — STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON

APPROVED BY: _____

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE
1	REVISED CONTACT NAMES		

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

TITLE SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. G1
SHEET 01 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\G1-COVER SHEET.dwg 01/04/16 10:59am

GENERAL NOTES

1. ALL WORK SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") LATEST EDITION, CALTRANS STANDARD PLANS LATEST EDITION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION, MUTCD CALIFORNIA SUPPLEMENT LATEST EDITION, ANY OTHER REFERENCED STANDARDS, CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT.

2. ALL APPLICABLE ORDINANCES OF THE CITY OF COMPTON SHALL BE COMPLIED WITH.

3. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS, BUSINESSES AND AGENCIES 72-HOURS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS ON HAND AT ALL TIMES TO EXPEDITE ANY EMERGENCY REPAIR.

5. THE CONTRACTOR SHALL NOTIFY THE CITY DIRECTOR OF PUBLIC WORKS FORTY-EIGHT HOURS PRIOR TO STARTING WORK, TELEPHONE NUMBER (310) 605-5505.

6. WORK IN PUBLIC STREETS, ONCE BEGUN SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT OWNERS AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A
OF TITLE 16 OF THE COUNTY CODE, HIGHWAY PERMIT CODE.

RSECTING UTILITY INSTALLATIONS WILL BE RELOCATED BY THE CONTRACTOR AFTER REVIEW BY THE AFFECTED UTILITY
?RIOR APPROVAL BY THE CITY ENGINEER.

/ENT OF CONFLICT BETWEEN DETAILS, THE MORE STRINGENT SHALL TAKE PRECEDENCE. THE DECISION OF THE
SHALL BE FINAL.

TRACTOR SHALL COORDINATE ALL REQUIRED SITE INSPECTIONS FROM ALL ENTITIES HAVING JURISDICTION.
ATION IS TO BE MADE SUFFICIENTLY IN ADVANCE OF NEEDED SITE INSPECTION THAT THE PROGRESS OF THE WORK IS
ED NOR THE QUALITY AFFECTED. CONTRACTOR SHALL PAY ALL COSTS OF PERMIT AND SITE REVIEW BY ANY UTILITY OR

GLEN W.C KAU, P.E. LICENSE No. C-56657 1-7-16 DATE

\CTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AS REQUIRED BY THE SPECIFICATIONS. UNLESS NOTIFIED IN
HE PROPOSED CONSTRUCTION SEQUENCE SHALL BE FOLLOWED. WRITTEN REQUEST FOR APPROVAL IS REQUIRED TO
: SCHEDULE.

\NTRACTOR SHALL VERIFY THAT ALL SETS OF PLANS AND SPECIFICATIONS ARE CURRENT AND APPROVED FOR
:TION.

BUILT SET OF PLANS FOR UPDATING BY REDLINE SHALL BE ON SITE AT ALL TIMES AND BE AVAILABLE TO THE ENGINEER.
. BE USED ONLY AS BUILT UPDATING. VERIFICATION THAT AS BUILT DRAWINGS ARE CURRENT IS A REQUIREMENT FOR PROGRESS PAYMENT REQUEST SUBMITTAL.

13. CONTRACTOR AND ALL SUBCONTRACTORS SHALL POSSESS VALID CONTRACTOR LICENSES AND CURRENT CITY BUSINESS LICENSES. ONSITE VENDORS SHALL ALSO BE IN COMPLIANCE WITH LOCAL BUSINESS LICENSE REQUIREMENTS.

14. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCE TO SECURE THE WORK AND WORKSITE FROM DAMAGE AND THEFT. CONTRACTOR SHALL REPAIR OR REPLACE ANY LOSS OR DAMAGE INCURRED UNTIL WRITTEN ACCEPTANCE OF THE WORK BY THE CITY.

15. CONTRACTOR IS LIABLE FOR ALL INJURY OR DAMAGE CAUSED BY ANY WORK, STORAGE OF MATERIALS AND EQUIPMENT, AND ANY OTHER ACTIVITY ON THE SITE.

16. THE CONTRACTOR SHALL FULLY ASSUME RESPONSIBILITY FOR ANY DAMAGES TO EXISTING FACILITIES, BUILDINGS, UTILITIES, STRUCTURES, OR OTHER APPURTENANCES DUE TO CONTRACTOR'S, SUBCONTRACTOR'S, VENDORS OR EMPLOYEES WHETHER INTENTIONAL OR ACCIDENTAL.

17. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOBSITE AND ANY DISCREPANCY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR REVIEW. WORK AT OR AFFECTED BY ANY CONFLICT SHALL BE HALTED UNTIL A RESOLUTION OR REVISION HAS BEEN DETERMINED.

18. THE CONTRACTORS WORK FORCE SHALL CONSIST OF PERSONS SKILLED IN THE TRADES AND TYPE OF WORK INVOLVED. LESS TRAINED WORKERS SHALL BE CLOSELY SUPERVISED BY SKILLED TRADESMEN.

19. THESE PLANS AND REFERENCES HEREIN ARE HEREBY MADE A PART OF THE SPECIFICATIONS AND CONTRACTUAL AGREEMENT.

20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE CITY ENGINEER.

21. THERE SHALL BE NO ABOVE-GROUND OBSTRUCTION IN ANY PORTION OF THE SIDEWALK EXCEPT WHERE THE WIDTH, EXCLUSIVE OF THE TOP OF CURB, IS 6 FT. OR GREATER. A CLEAR WALKING PATH OF AT LEAST FOUR (4) FT. MIN. SHALL BE MAINTAINED AT ALL TIMES.

22. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARDS TO SAFETY ORDERS AND THE CONTRACTOR SHALL COMPLY IN ALL WAYS WITH THE REQUIREMENTS THEREOF. ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA.

23. INSPECTION PROVIDED BY THE CITY CAN IN NO WAY BE CONSTRUED AS SAFETY INSPECTION.

24. PRIOR TO STARTING AND/OR DURING ALL WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH THE "CALIFORNIA SAFETY AND HEALTH ACT 1976" INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.

25. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE CITY OF COMPTON PRIOR TO START OF ANY WORK. CONTRACTOR SHALL IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO PROVIDE SAFETY TO THOSE ON THE SITE AND TO THE MOTORING AND PEDESTRIAN PUBLIC.

26. CONTRACTOR SHALL MAINTAIN AND RESTORE ALL TRAFFIC SIGNS ERECT AND IN SAME POSITION AS ORIGINALLY FOUND.

27. NO REPRESENTATIVE OF THE CITY OR ITS AGENCIES WILL SURVEY OR OTHERWISE LAYOUT ANY PORTION OF THE WORK.

28. CONTRACTOR SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS FOR OPEN EXCAVATIONS" AS SHOWN IN THE LOS ANGELES COUNTY PUBLIC WORKS STANDARD 6008-0.

29. AT JOBSITE, ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA. ALL REQUIRED JURISDICTIONALLY REQUIRED NOTICES SHALL BE DISPLAYED AT SITE.

30. THE CONTRACTOR'S ATTENTION IS EXPRESSLY DIRECTED TO ALL THE REQUIREMENTS AND PROVISIONS OF THE STATE OF CALIFORNIA SAFETY REGULATIONS. CONFORMANCE THERETO SHALL BE STRICTLY ENFORCED THROUGH THE DURATION OF THE PROJECT.

31. BARRICADES WITH FLASHING LIGHTS ARE TO BE MAINTAINED ON ALL OBSTRUCTIONS WITHIN STREET RIGHTS OF WAY AND PEDESTRIAN OR VEHICLE ACCESSIBLE AREAS AT ALL TIMES DURING THE PROJECT. CONSTRUCTION WARNING SIGNS AND FLAGGERS ARE TO BE IN PLACE DURING ALL TIMES OF WORK.

32. CONTRACTOR SAFETY PROGRAM TO BE IN PLACE AND AVAILABLE FOR EXAMINATION BY THE ENGINEER. IT SHALL BE KEPT AT THE JOBSITE OFFICE OR IN THE VEHICLE OF THE ONSITE SUPERVISION.

33. THE CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED PERMITS FOR CONSTRUCTION OF THE PROJECT FROM THE CITY OF COMPTON AND ANY AGENCIES HAVING JURISDICTION, AT CONTRACTOR'S EXPENSE.

34. ALL CONTRACTOR EQUIPMENT SHALL HAVE BEEN INSPECTED AND PERMITTED BY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR EMISSION COMPLIANCE.

35. PERMIT AND INSPECTIONS FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS SPECIFIED TO BE REIMBURSED OR TO BE AT NO COST.

36. CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS AND REQUIREMENTS OF ALL PERMITS PERTAINING TO THE PROJECT. THE REQUIREMENTS THEREIN ARE BY REFERENCE INCLUDED IN THE CONTRACT.

37. SEPARATE PERMIT FOR WORK IN ANY STATE HIGHWAY MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 120 SOUTH SPRING STREET, LOS ANGELES CA.

38. CONTRACTOR SHALL COMPLY WITH ALL STORMWATER POLLUTION CONTROL, NPDES AND REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) REQUIREMENTS, INCLUDING BUT NOT LIMITED TO BEST MANAGEMENT PRACTICE (BMPs).

39. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ALL DAMAGE THAT MAY OCCUR FROM STORM WATER AND/OR DEPOSITION OF DEBRIS FROM ANY AND ALL WORK IN CONNECTION WITH PROJECT CONSTRUCTION.

40. CONTRACTOR SHALL MAINTAIN EXISTING PROJECT AREA DRAINAGE AND SHALL INSTALL ADDITIONAL TEMPORARY DRAINAGE SYSTEMS TO PROTECT THE SITE AND ADJACENT PROPERTIES.

41. CONTRACTOR SHALL KEEP THE SITE CLEAN AND FREE OF RUBBISH. TRASH AND EXCESS MATERIALS SHALL BE DISPOSED OF OFFSITE DAILY.

42. CONTRACTOR SHALL PROVIDE FOR DUST CONTROL AT ALL TIMES TO THE SATISFACTION OF THE CITY ENGINEER AND ANY AGENCY HAVING JURISDICTION, AND SHALL BE IN COMPLIANCE WITH THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (A.Q.M.D.) RULE 403 FOR DUST CONTROL AND MITIGATION.

43. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE INCURRED DURING THE PROGRESS OF THE PROJECT, WITHOUT REGARD TO FAULT OR CAUSE.

44. CALL UNDERGROUND SERVICE ALERT, 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WHICH MAY DAMAGE OR INTERRUPT THE SERVICE OF ANY UNDERGROUND UTILITY.

45. THE CONTRACTOR IS FULLY RESPONSIBLE FOR KNOWING THE LOCATION OF ALL UTILITIES AND SHALL COMPLY WITH ALL UTILITY NOTES ON THE PLANS AND SPECIFICATION. THE CONTRACTOR SHALL FULLY COORDINATE ALL HIS WORK WITH AFFECTED UTILITY COMPANIES AND AGENCIES FOR ALL UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT.

46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITY LINES, VALVES, METERS, ETC. WITHIN THE LIMITS OF WORK WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT.

47. CONTRACTOR SHALL KEEP ALL TRAFFIC SIGNAL LIGHTS IN OPERATION AT STREET INTERSECTIONS AFFECTED BY UTILITY CONSTRUCTION OR PAVING WORK.

48. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

49. SOUTHERN CALIFORNIA EDISON CO. SHALL BE NOTIFIED FOR ANY ELECTRICAL MANHOLES, VAULTS, OR PULL BOXES WHICH REQUIRE ADJUSTMENT. ANY POLE RELOCATIONS WILL BE BY THE OWNING UTILITY.

50. POWER POLE PROTECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SOUTHERN CALIFORNIA EDISON CO.

51. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE OWNER OF ANY GAS FACILITY VALVE COVERS AND COORDINATE THEIR ADJUSTMENT TO GRADE OR OTHER RELOCATION AS REQUIRED.

52. TELEPHONE AND CABLE MANHOLES, VAULTS, BOXES AND APPURTENANCES SHALL BE PROTECTED FROM THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AND COORDINATE ANY WORK WHICH WILL REQUIRE ADJUSTMENT OF COMMUNICATION FACILITIES. ACCESS FACILITIES SHALL BE ADJUSTED TO GRADE IF REQUIRED.

53. APPROVAL OF THESE PLANS BY THE CITY OR THEIR REPRESENTATIVES DOES NOT CONSTITUTE A REPRESENTATION AS TO ACCURACY OF THE LOCATION, EXISTENCE, OR ABSENCE OF ANY UNDERGROUND STRUCTURE OR UTILITY WITHIN THE PROJECT AREA LIMITS.

54. ALL CONSTRUCTION JOINTS FOR P.C.C. CURBS, GUTTERS, AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK" LATEST EDITION).

55. ANY BROKEN CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, TREE WELLS OR ANY OTHER STRUCTURES SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER RECOMMENDATION BY THE CITY PROJECT INSPECTOR WITH NO EXTRA COMPENSATION, THE CONTRACTOR IS RESPONSIBLE TO FIELD CHECK FOR SUCH CONDITIONS PRIOR TO SUBMITTAL OF BID.

56. ALL SIDEWALK, CURB AND GUTTER REPAIRS SHALL JOIN WITH THE EXISTING AT THE NEAREST CONSTRUCTION JOINTS AND BE ADJUSTED TO MATCH WITH THE GRADE OF THE EXISTING CONCRETE STRUCTURES.

57. PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED IN GUTTER, SIDEWALK, CURB AND RAMP JOINTS AT UNIFORM INTERVALS NOT TO EXCEED 25 FT., AT THE TOP OF "X" OF DRIVEWAYS, AT THE END OF CURVES, AND HANDICAP RAMPS.

58. HANDICAP RAMPS SHALL BE INSTALLED AT ALL NEW AND REPLACEMENT INTERSECTION SIDEWALK, CURB AND GUTTER INSTALLATIONS. TRUNCATED DOME ADA COMPLIANT DETECTABLE SURFACES SHALL BE INSTALLED, COLOR TO BE SELECTED BY THE CITY.

59. ALL SURFACES TO BE JOINED SHALL BE CLEANED, PREPARED, ABRADED, PRIMED, AND OTHERWISE BE MADE READY FOR JOINING WITH THE NEW CONSTRUCTION.

60. ALL NEW SIDEWALK, CURB, GUTTER, SLABS AND OTHER EXPOSED CONCRETE SURFACES SHALL BE FINISHED TO MATCH THE EXISTING SURFACES. IN THE EVENT THERE ARE DIFFERING ADJACENT SURFACES, THE ENGINEER SHALL SELECT THE SURFACE TO MATCH OR DIRECT THE FINISH TO BE APPLIED TO THE NEW OR REPLACED WORK.

61. ABANDON EXISTING FIRE HYDRANT AS REQUIRED FOR RELOCATION OF NEW FIRE HYDRANT. EXISTING FIRE HYDRANT AND RISER SHALL BE REMOVED AND IMPROVEMENTS RESTORED AS PART OF INSTALLATION OF NEW FIRE HYDRANT ASSEMBLY.

62. AGGREGATE BASE TO BE COMPACTED TO A MINIMUM OF 95%, SUB-BASE TO BE COMPACTED TO A MINIMUM OF 90%. REFERENCE SSPWC SECTIONS 211-1 / 306-1, UNLESS OTHERWISE NOTED.

63. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE UNDISTURBED BOTTOM AND SIDES OF THE EXCAVATION.

64. SANITARY SEWER, WATER, STORM DRAIN, VAULT, AND OTHER MANHOLE FRAME AND COVER ASSEMBLIES SHALL BE RAISED TO NEW GRADE IF DISTURBED. USE OF CAST FERROUS RAISING RINGS IS NOT ACCEPTABLE.

65. COMPLETED ASPHALT PAVING OR REPAIR PAVING SHALL BE COMPACTED BY ACCEPTABLE MEANS TO PROVIDE A SURFACE FREE OF DEPRESSIONS, BUMPS, RIDGES OR OTHER IRREGULARITIES OR OTHER MARKINGS.

66. PAVEMENT MARKINGS SHALL BE REPLACED USING THE CURRENT MARKING METHOD IN USE BY THE CITY FOR NEW INSTALLATIONS. MARKINGS SHALL COMPLY WITH ALL JURISDICTIONAL REQUIREMENTS.

67. ALL CONSTRUCTION STAKING AND RELATED SURVEYS SHALL BE PROVIDED BY THE CONTRACTOR.

68. CONTRACTOR SHALL PROTECT ALL STREET CENTERLINE MONUMENTS AND TIES. ANY CENTERLINE MONUMENTS/TIES DISTURBED DURING THE CONSTRUCTION SHALL BE RESET BY THE CONTRACTOR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS AND RECORDED WITH LOS ANGELES COUNTY AT NO COST TO THE CITY.

69. CONTRACTOR SHALL UTILIZE A LICENSED SURVEYOR SERVICE TO INVESTIGATE THE PROJECT AREA, TIE OUT ANY MONUMENT WHICH MAY BE DISTURBED AND TO RESET AND RECORD THE SURVEY WITH THE COUNTY WHERE REQUIRED. LOCATE ALL MONUMENTS AND VERIFY TIE OUTS PRIOR TO BEGINNING CONSTRUCTION.

70. ELEVATIONS ARE IN FEET ABOVE U.S.C. AND G.S. SEA LEVEL, DATUM AS SHOWN, AND REFERENCED LOCAL BENCHMARKS.

71. IN ADDITION TO "AS BUILTS" CONTRACTOR SHALL PROVIDE GRADE SHEETS WITH STATIONING REPRESENTING COMPLETED WORK AS CONSTRUCTED. STATIONING OF ALL CONNECTIONS SHALL BE SHOWN.

72. THE CONTRACTOR ACKNOWLEDGES BY ENTERING INTO THE CONTRACT FOR THE WORK THAT ALL NECESSARY INSPECTIONS AND INVESTIGATIONS WERE UNDERTAKEN PRIOR TO BID AND CONTRACT EXECUTION.

73. SUFFICIENTLY PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL INVESTIGATE THE AREA OF THE PROPOSED NEW CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS WHICH REQUIRE REVISION OF THE WORK. EXTRA WORK INCURRED BY CONFLICTS ENCOUNTERED DURING PERFORMANCE OF THE WORK WHICH SHOULD HAVE BEEN APPARENT TO THE INVESTIGATION WILL NOT JUSTIFY ADDED COSTS.

74. THE CONTRACTOR SHALL REVIEW AND VERIFY CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PORTION OF THE WORK. COMPARE ACTUAL CONDITIONS WITH DRAWINGS TO ASCERTAIN CONDITIONS UNDER WHICH WORK IS PERFORMED: CHECK AND CONFIRM LOCATION OF EXISTING STRUCTURES, EQUIPMENT, AND UTILITIES WHICH MAY AFFECT WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE FULL ACCEPTANCE OF THE EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER FOR RESOLUTION PRIOR TO COMMENCEMENT OF WORK.

75. ANY PLANTED AREAS DISTURBED BY THE WORK SHALL HAVE ALL ROOTS AND DELETERIOUS MATERIALS REMOVED AND BE REPLANTED INCLUDING NEW TOPSOIL AND ROOT BARRIERS INSTALLED TO PROVIDE A COMPLETE REPLACEMENT OF THE ORIGINAL TO THE SATISFACTION OF THE ENGINEER.

76. ALL TREES TO REMAIN SHALL BE PROTECTED IN PLACE AND BE WATERED AND TRIMMED AS SCHEDULED BY OWNER IF ACCESS IS IMPEDED.

ROADWAY RECONSTRUCTION GENERAL NOTES

1. CURB AND GUTTER TO BE REPLACED TO MATCH EXISTING AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS.

2. JOIN NEW CURB AND GUTTER TO ASPHALT PAVEMENT PER DETAILS SHOWN OR REFERENCED. CONSTRUCT CURB AND GUTTER TYPE A1-6 (150) AND A1-8 (200) PER THE "GREENBOOK" STD PLAN 120-2 AND CITY REQUIREMENTS UNLESS OTHERWISE SHOWN.

3. JOIN NEW ASPHALT PAVING TO CURB AND GUTTER PER DETAILS SHOWN OR REFERENCED. PRIME ALL AREAS TO BE JOINED. SAWCUT ALL CONCRETE AND ASPHALT PAVING TO BE JOINED PRIOR TO DEMOLITION AND REMOVALS.

4. REPLACE ANY DAMAGED ALLEY APPROACH PER DETAIL HEREIN AS SHOWN AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS. CONCRETE TO BE 520-C-2500. MATCH EXISTING CURB AND GUTTER, SIDEWALK AND ALLEY GRADES. DAMAGED AREAS TO BE REPAIRED SHALL BE REMOVED TO THE NEXT SCORE LINE OR JOINT.

5. ANY NEW CURB AND GUTTER CONSTRUCTED AT EXISTING ASPHALT WEARING COURSE SHALL BE JOINED WITH A MINIMUM SIX INCH NOTCH PER STANDARD DETAIL.

6. DRIVEWAY APPROACHES DISTURBED BY THE WORK SHALL BE REPLACED PER DETAILS HEREIN OR GREEN BOOK STANDARDS.

7. REPLACE DISTURBED TRAFFIC LOOPS & DETECTION SYSTEM COMPLETE & OPERATIONAL.

8. COUNTY AND CITY STANDARDS SHALL BE FOLLOWED FOR STENCIL MARKING ALL CATCH BASINS OR STORM DRAIN INLETS WHICH HAVE BEEN INSTALLED OR DISTURBED BY THE CONSTRUCTION.

9. MANHOLE FRAME AND COVERS, UTILITY VAULTS, VALVE BOXES, AND OTHER UTILITY ACCESS STRUCTURES SHALL BE RAISED TO MATCH FINISH SURFACE IN ACCORDANCE WITH STANDARD SPECIFICATIONS, CITY AND COUNTY REQUIREMENTS.

10. BLUE REFLECTORS SHALL BE INSTALLED ON THE ROADWAY SURFACE AT THE REQUIRED LOCATIONS TO INDICATE THE LOCATION OF EACH HYDRANT. REFLECTORS SHALL BE IN ACCORDANCE WITH FIRE DEPARTMENT REGULATIONS.

11. ALL WORK IN COUNTY ROADWAY SHALL BE IN ACCORDANCE WITH LACDPW REQUIREMENTS AND SHALL BE INSPECTED BY LACDPW. CONTRACTOR SHALL APPLY FOR AND OBTAIN COUNTY PERMIT AT CONTRACTOR'S EXPENSE.

12. THE EXISTENCE AND LOCATION OF ANY MANHOLES, UTILITY VAULTS, PULL BOXES, WATER METERS, VALVES AND OTHER UTILITIES ARE OBTAINED THROUGH TOPOGRAPHIC SURVEY AND ARE TO BE PROTECTED WITHIN THE AFFECTED WORK AREA WITHOUT ADDITIONAL COST TO THE OWNER.

13. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC AS SPECIFIED, PER CALTRANS 84 AND PER CITY OF COMPTON REQUIREMENTS.

GENERAL SIGNAGE AND STRIPING NOTES

1. ALL STRIPING AND SIGNAGE REQUIRED TO RESTORE DAMAGE TO EXISTING SHALL BE DONE IN CONFORMANCE WITH THE APPLICABLE CALTRANS STANDARD PLANS AND PROVISIONS OF THE CALTRANS STANDARD SPECIFICATIONS, INCLUDING SECTION 84 AND CITY AND COUNTY STANDARDS AND REQUIREMENTS.

2. COMPLY WITH ALL MARKING REQUIREMENTS OF AGENCY HAVING JURISDICTION. PAVEMENT LEGENDS SHALL CONFORM TO CITY OF COMPTON STENCILS. SIGNS, STRIPES AND PAVEMENT LEGENDS SHALL BE REFLECTORIZED.

3. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 84 AND PROJECT BID DOCUMENTS.

4. STENCILS ARE REQUIRED AT ALL CATCH BASINS. CATCH BASIN MARKINGS MAY BE PAINTED.

5. REPLACE ALL SIGNAGE DAMAGED BY THE WORK IN KIND WITH NEW PER BID DOCUMENTS AND CITY / AGENCY / JURISDICTIONAL REQUIREMENTS.

TRAFFIC CONTROL AND SAFETY

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY, INCLUDING SIGNING, BARRICADES, SITE SECURITY, ACCESS, DETOURS, AND DEDICATED TRAFFIC CONTROL PERSONNEL TO PROTECT THE MOTORING AND PEDESTRIAN PUBLIC AND MAINTAIN ACCESS TO PRIVATE PROPERTY DURING WORKING AND NON-WORKING HOURS.

2. THE CONTRACTOR SHALL PREPARE AND SUBMIT A PROJECT TRAFFIC CONTROL PLAN IN CONFORMANCE WITH THE WATCH MANUAL AND THE SPECIFICATIONS WHICH SHALL BE COORDINATED WITH THE CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION, EXCAVATION, PAVING, OR OTHER OPERATIONS THAT WILL DISRUPT TRAFFIC OR ACCESS TO RESIDENCES OR BUSINESSES. PLAN SHALL BE IMPLEMENTED DURING ALL CONSTRUCTION.

3. WHERE PARKING CONTROL IS REQUIRED, APPROVED TEMPORARY DATE LIMITED NO PARKING SIGNS SHALL BE POSTED NO MORE THAN 100 FEET APART AT LEAST 72 HOURS PRIOR TO WORK.

4. DURING PAVING OPERATIONS, THE CONTRACTOR SHALL PROVIDE INDIVIDUALS OR EQUIPMENT DESIGNATED TO PERFORM AND MAINTAIN TRAFFIC CONTROL ONLY.

5. ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES OR FLAGGER CONTROL OF TRAFFIC SHALL BE IMPLEMENTED.

6. EACH EXCAVATION LEFT OVERNIGHT SHALL BE SECURED WITH PLATES PER CALTRANS AND SHALL HAVE MINIMUM 3 FLASHING BARRICADES EACH DIRECTION AT EXCAVATION AT MAXIMUM SPACING OF 20 FEET.

SEQUENCE NOTES

1. A COMPLETE SCHEDULE OF THE WORK SHOWING THE FOLLOWING SEQUENCE SHALL BE PREPARED: VERIFY & TIE OUT MONUMENTS, TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS, AND MATERIAL SUBMITTALS, SET UP FACILITIES AND LAY DOWN AREA,SURVEY AND STAKING FOR CONSTRUCTION, SAWCUT, PAVING REMOVAL AND DISPOSAL, REMOVAL OF CONCRETE IMPROVEMENTS, TRENCHING AND DISPOSAL OF EXISTING PIPE, STRUCTURES REMOVAL AND DISPOSAL, WATER MAIN CONSTRUCTION, VALVE BOX CONSTRUCTION, SERVICE CONNECTION AND CONSTRUCTION, PIPELINE TESTING, PIPELINE DISINFECTION, BACKFILL AND COMPACTION, PREPARATION OF BASE, PAVEMENT GRIND, PAVING BASE COURSE, PAVING WEAR COURSE, ADJUSTMENT OF VALVE BOXES AND RELATED COVERS/BOXES TO GRADE, RESTORATION OF CONCRETE IMPROVEMENTS, RE-STRIPING, PAVEMENT MARKER REPLACEMENT, PLACEMENT OF SIGNAGE, AS BUILTS, CLEAN UP AND MOVE OFF.

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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
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SHEET 02 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\GS- GENERAL NOTES.dwg 01/04/16 11:04am

WATER MAIN CONSTRUCTION GENERAL NOTES

1. REMOVE AND LEGALLY DISPOSE OF EXISTING ASBESTOS CEMENT PIPE. ALL LEGALLY MANDATED MEASURES SHALL BE TAKEN TO CONTAIN ALL MATERIALS FROM THE ACP. THE PUBLIC SHALL BE ISOLATED FROM ALL DEBRIS FROM THE PIPE OR ADJACENT CONTAMINATED SOILS OR OTHER MATERIALS. ADDITIONAL REQUIREMENTS ARE LISTED IN THE PROJECT SPECIFICATIONS.

2. WATER MAIN PIPE SHALL BE DUCTILE IRON MINIMUM THICKNESS CLASS 52, PRESSURE CLASS 350, DOUBLE CEMENT MORTAR LINED, UNLESS NOTED OTHERWISE.

3. ALL FITTINGS SHALL BE RATED EQUAL TO OR GREATER THAN THE REQUIRED PIPE CLASSIFICATIONS.

4. WHERE DIRECTED, REPLACE IRON RESIDENTIAL AND COMMERCIAL SERVICES SHOWN OR WHICH ARE DISTURBED OR DISCONNECTED BY THE CONSTRUCTION. ALL SERVICES SHALL INCLUDE SERVICE CLAMP, CORPORATION STOP, COPPER TYPE K TUBE, AND CURB STOP. COPPER SHALL BE FIELD BENT PER PLUMBING CODE STANDARDS. IF CONNECTION BETWEEN COPPER PIPES IS REQUIRED, SILVER SOLDER SHALL BE USED. COPPER SERVICES SHALL BE RECONNECTED AS A PART OF WATERMAIN INSTALLATION. COMPRESSION COUPLING OPTIONAL PENDING CITY APPROVAL.

5. WHERE DIRECTED, REMOVE EXISTING METER BOXES AND INSTALL NEW METER BOXES AT ALL NEW OR REPLACED RESIDENTIAL AND COMMERCIAL SERVICE CONNECTION LOCATIONS.

6. ANY SEWER LATERAL DAMAGED BY THE CONSTRUCTION SHALL BE REPLACED FROM SEWER MAIN TO RECONNECT AT SOUND PIPE. AT NO COST TO THE CITY.

7. PROVIDE NEW BLOW OFF ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS WHEN SO DIRECTED BY THE ENGINEER.

8. PROVIDE NEW COMBINATION VACUUM RELIEF / AIR RELEASE VALVE ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS OR AT HIGH POINTS WHEN SO DIRECTED BY THE ENGINEER.

9. ALL NECESSARY TRANSITION FITTINGS SHALL BE PROVIDED AND INSTALLED TO CONNECT THE NEW PIPING, VALVES, AND FITTINGS TO EXISTING PIPING AND APPURTENANCES OF DISSIMILAR MATERIALS AS AN INTEGRAL PART OF THE WORK REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

10. ALL GATE AND BUTTERFLY VALVES SHALL BE INSTALLED COMPLETE WITH VALVE BOX ASSEMBLIES WITH A CAST COVER MARKED AND PAINTED IN ACCORDANCE WITH COMPTON WATER DEPARTMENT REQUIREMENTS AND PER PLAN DETAIL.

11. CONSTRUCTION PERMIT AND ALL JURISDICTIONAL PERMITS SHALL BE OBTAINED AND PUBLIC WORKS/JURISDICTIONAL CONSTRUCTION INSPECTION SCHEDULED PER CITY AND/OR JURISDICTIONAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.

12. THRUST BLOCKS, PER APPLICABLE PLAN DETAILS, SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION OF THE PIPING (INCLUDING TEES AND PIPE CAPS). ALL THRUST BLOCKS SHALL BEAR UPON UNDISTURBED SOLID SOIL WITH A BEARING AREA PER CHART SHOWN WITH THRUST BLOCK DETAILS. GREASE ALL PIPE AND FITTING CONTACT AREAS. DO NOT COVER ANY PIPE JOINT WITH CONCRETE. UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH ADDITIONAL CONCRETE THRUST BLOCK MATERIAL. SHOULD EXTENSIVE UNSUITABLE SOIL BE ENCOUNTERED, THE WORK SHALL BE SUSPENDED AND THE ENGINEER NOTIFIED. WORK SHALL BE DISCONTINUED IN THE IMMEDIATE AREA UNTIL WRITTEN DETERMINATION MADE. VERTICAL DIRECTION CHANGE OR FITTINGS SHALL BE STRAPPED PER DETAILS.

13. ANY VALVE OR FITTING INSTALLED FOR FUTURE USE SHALL BE PRESSURE CAPPED, PLUGGED, OR BLIND FLANGED TO SECURE THE LINE AND PREVENT LEAKAGE. THRUST BLOCK SHALL BE INSTALLED.

14. ALL FIRE HYDRANT INSTALLATIONS INCLUDE CONNECTION TO THE WATER MAIN, THRUST BLOCKS, CUT IN, NEW TEE, ALL PIPE AND FITTINGS, NEW 6" CUT OFF GATE VALVE, VALVE BOX COMPLETE PER DETAIL INCLUDING CONCRETE COLLAR, 6" CLOW MODEL 850 WET BARREL HYDRANT, CONCRETE PAD, BREAKAWAY BOLTING, DISINFECTION, TESTING, DEMOLITION AND DISPOSAL, PAVING REMOVAL, TRENCHING, INSTALLATION, BACKFILL, PAVING AND IMPROVEMENTS RESTORATION, AND ALL APPURTENANCES COMPLETE IN PLACE OPERATIONAL AND ACCEPTABLE TO THE CITY AND THE COUNTY FIRE DEPARTMENT. NEW, RELOCATED OR RECONDITIONED HYDRANTS WHERE PAINTING SYSTEM NOT SPECIFIED SHALL BE PAINTED WITH TWO COATS OF ZINC CHROMATE PRIMER AND TWO COATS OF INDUSTRIAL SEVERE SERVICE ENAMEL IN SCHOOL BUS / CAUTION YELLOW PER CITY AND WATER DEPARTMENT STANDARDS. RELOCATED HYDRANTS SHALL BE RECONDITIONED TO A NEW CONDITION. FITTINGS AND VALVES SHALL NOT BE REUSED. BACKFILL ABOVE PIPE ZONE TO BASE OF IMPROVEMENT SHALL BE SLURRY.

15. CONTRACTOR SHALL PROVIDE ALL NECESSARY ASSISTANCE, MATERIALS AND EQUIPMENT FOR ANY FIRE DEPARTMENT REQUIRED PROOF TESTING. HYDRANT FAILING TO MEET THE FIRE DEPARTMENT STANDARDS OR TESTING SHALL BE CORRECTED OR REPLACED AND RETESTED TO FIRE DEPARTMENT SATISFACTION.

16. TEE CUT REQUIRED FOR ASPHALT CONCRETE PAVING REPAIR AT ALL TRENCH AND EXCAVATION IN PAVED AREAS. ALL EDGES SHALL BE SAWCUT TO RECTANGULAR PATTERN AFTER TRENCH IS BACKFILLED AND BEFORE ASPHALT REPAIR. PRIME ALL CONTACT AREAS. IF TRENCH EDGE IS WITHIN FOUR FEET OF GUTTER OR CURB CONTINUE THE 2 INCH GRIND TO EDGE OF PAVEMENT, OR REMOVE AND REPLACE PAVING FROM TRENCH TO GUTTER. REPLACEMENT AC SHALL BE OF MINIMUM THICKNESS SHOWN AND 1 INCH GREATER IN THICKNESS THAN THE EXISTING SECTION. ASPHALT REMOVED SHALL BE DISPOSED OFFSITE AND MAY NOT BE USED IN BACKFILL.

17. TRENCH CUT IN EXISTING PCC STREET OR ALLEY SHALL BE SAWCUT BEFORE REMOVAL OF ROADWAY SURFACE. CONCRETE SHALL BE LEGALLY DISPOSED OF OFFSITE AND MAY NOT BE USED IN BACKFILL. PCC SHALL BE SAWCUT TO PROVIDE STRAIGHT RECTANGULAR JOINTS. BASE MATERIAL REMOVED SHALL BE REPLACED WITH CONCRETE. NEW CONCRETE ROADWAY MINIMUM 1" GREATER IN THICKNESS THAN THE EXISTING SECTION AND A MINIMUM 6" THICKNESS SHALL BE CONSTRUCTED WITHIN THESE LIMITS. EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM SPACING OF 30 FEET. CONCRETE SHALL BE 520-A-2500 MINIMUM.

18. REMOVE EXISTING WATER PIPE, FITTINGS, APPURTENANCES, VALVES AND DISPOSE OFF-SITE. ALL EXCAVATION AND DEMOLITION, REMOVAL TRANSPORT AND DISPOSAL SHALL BE IN ACCORDANCE WITH LEGAL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO SCAQMD, OSHA, CAL-OSHA, HEALTH DEPARTMENT, STATE, FEDERAL AND LOCAL REQUIREMENTS. PIPE REMOVAL INCLUDES ALL APPURTENANCES. REPLACE WITH NEW DUCTILE IRON PIPE, FITTINGS, VALVES, SERVICES, HYDRANTS, APPURTENANCES AND CONNECTIONS OF THE SIZES, TYPES AND CONFIGURATIONS SHOWN AND SPECIFIED. GROUP NEW VALVES AT TEE/ CROSS WHEREVER POSSIBLE.

19. CONTRACTOR TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS WHOSE WATER SERVICE WILL BE AFFECTED BY THE CONSTRUCTION 72 HOURS PRIOR TO DISCONTINUANCE OF SERVICE, THEN AT 24 HOURS IN ADVANCE OF SHUT OFF AND CHANGE OVER. HIGHLINE SERVICES REQUIRED FOR ALL AFFECTED OCCUPANTS.

20. WHERE STEEL PIPE INSTALLATION IS REQUIRED, IT SHALL BE DOUBLE CEMENT MORTAR LINED (AND EPOXY OR CEMENT MORTAR COATED AS SHOWN OR REQUIRED), WELDED CONNECTIONS AND COMPLETELY PATCHED INSIDE AND OUT PRIOR TO ACCEPTANCE AND BEING PLACED IN SERVICE. PRESSURE TEST AND DISINFECTION REQUIRED PER AWWA.

21. BACKFILL AT WATER MAINS ABOVE PIPE ZONE TO LOWER LIMIT OF PAVING SHALL BE THREE QUARTER SACK SAND CEMENT SLURRY ABOVE PIPE ZONE BEDDING.

22. INSTALLATION OF HDPE PIPE BY DIRECTIONAL DRILLING AT INTERFERING UTILITY CROSSING LOCATIONS MAY BE PERMITTED AS OPTIONAL METHOD SUBJECT TO APPROVAL BY JURISDICTIONAL AUTHORITIES. SUBMITTAL OF METHOD REQUIRED. SDR/DR AS REQUIRED BY ENGINEER.

SEWER CONSTRUCTION GENERAL NOTES

1. SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND PUBLIC WORKS CONSTRUCTION INSPECTION SCHEDULED PER CITY REQUIREMENTS. PERMIT FROM OTHER JURISDICTIONS FOR EXCAVATION IN STREETS IS RESPONSIBILITY OF CONTRACTOR.

2. THE CONTRACTOR SHALL PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE STATIONED ON THE LINE CONNECTING THE CENTERLINE OF MANHOLES SHOWING LATERALS.

3. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "G" IN ACCORDANCE WITH SECTION 208-2 OF THE STANDARD SPECIFICATIONS.

4. HOUSE LATERALS TO BE REPLACED SHALL BE CONSTRUCTED TO PROPERTY LINE AND CONNECTED OR CAPPED AS REQUIRED. ALL CONNECTION PER LACSD AND CITY STANDARDS. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED. FOR POWER POLE WITHIN THREE FEET OF THE SEWER PIPE, THE SEWER SHALL BE ENCASED PER LACDPW STANDARD PLAN 2023-2, CASE II, FOUR FEET EACH WAY FROM LIMITS OF POLE.

5. CONNECTIONS BETWEEN VITRIFIED CLAY AND CAST/DUCTILE IRON PIPES SHALL BE MADE USING RUBBER SLEEVE JOINT, TYPE "D" PER STANDARD SPECIFICATIONS SECTION 208-2. BUSHING INSTALLED IF REQUIRED.

6. SEWER WYE AND LATERAL DETAILS AND STANDARD DETAILS ARE SHOWN OR REFERENCED. NEW LATERAL FROM NEW SEWER TO JOIN PER DETAIL. LATERALS AND WYES TO BE LOCATED AT LEAST FIVE FEET APART AND MINIMUM FIVE FEET FROM ANY MANHOLE IN ACCORDANCE WITH LOS ANGELES COUNTY PUBLIC WORKS AND LACSD STANDARDS.

7. VITRIFIED CLAY PIPE LATERALS OR SEWERS FOUND TO HAVE LESS THAN FOUR FEET OF COVER SHALL BE ENCASED PER LOS ANGELES COUNTY STANDARD PLAN 2023-2, CASE II, AS A PART OF THE SEWER MAIN LINE CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

8. WHERE PVC SEWER IS ALLOWED, PIPE SHALL BE SDR 26 OR HEAVIER AND BE SPECIFICALLY APPROVED FOR SANITARY SEWER SERVICE. DETAILED SUBMITTAL AND APPROVAL, PRIOR TO USE, ARE NECESSARY.

9. FOR SEWER PIPES WITHIN THE VICINITY OF POTABLE WATER PIPES, REFER TO AND COMPLY WITH THE COUNTY DEPARTMENT OF HEALTH, COUNTY PUBLIC WORKS, CA DEPT. OF HEALTH AND THE STANDARD DETAILS HEREIN.

10. MANHOLES PRECAST PER APWA STANDARD PLAN 200-2 OR PER L.A. COUNTY DEPT. OF PUBLIC WORKS STANDARD PLAN 2003-2 EXCEPT AS NOTED OR DETAILED OTHERWISE. MANHOLES AT LACSD CONNECTION POINTS SHALL MEET LACSD REQUIREMENTS.

11. RESURFACE/REPLACE PAVED SURFACES AS SHOWN AND PER STANDARD DETAILS. LOCAL INSPECTION AND JURISDICTIONAL AGENCY INSPECTION REQUIRED. TEE CUT AND ALL REQUIREMENTS FOR JOINING EXISTING SHALL BE ENFORCED. PERMIT FOR WORK IN COUNTY STREETS REQUIRED AT CONTRACTOR'S EXPENSE.

12. BACKFILL IN STREET SHALL BE IN FULL COMPLIANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 217-2. EXCEPT AS MODIFIED HEREIN. CERTIFICATION OF THE BACKFILL MATERIALS AND COMPACTION SHALL BE PERFORMED BY AN INDEPENDENT AND CERTIFIED TESTING SERVICE AND LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND APPROVED BY THE CITY AND THE ENGINEER. ALL COMPLIANCE TEST RESULTS SHALL BE SUBMITTED, THREE RING BOUND, TO THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.

13. BACKFILL OUTSIDE OF PAVED, RIGHT OF WAY, OR IMPROVED AREAS SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D 1557-78, METHOD "D" UNLESS OTHERWISE SPECIFIED. THE COMPLIANCE TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND ACCEPTABLE TO THE CITY ENGINEER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE CITY BOUND CHRONOLOGICALLY IN A 3 RING BINDER PRIOR TO PROJECT ACCEPTANCE BY THE CITY.

14. TOP OF MANHOLE TO BE SIX (6") INCHES ABOVE FINISHED GRADE IN ANY UNIMPROVED RIGHT OF WAY.

15. LEAKAGE TESTING TO BE PER SECTION 306-7.8.2.4. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION UNLESS MORE STRINGENT TESTING IS SPECIFIED OR REQUIRED BY LOCAL REGULATION, LACDPW OR LACSD.

16. COMPLIANCE WITH THE MOST STRINGENT OF LOS ANGELES COUNTY SEWER STANDARDS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OR PLANS AND SPECIFICATIONS IS REQUIRED UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER.

17. ANY CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE MUST HAVE BEEN ISSUED A COUNTY SANITATION DISTRICTS PERMIT FOR INDUSTRIAL WASTE DISCHARGE AND A COPY THEREOF MUST BE ON SITE FOR INSPECTION BY LOCAL JURISDICTION.

18. BEFORE CONSTRUCTION OF A CONNECTION TO A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT THE LOS ANGELES COUNTY SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED FOR INSPECTION, (TELEPHONE # (310) 638-1161). RECORD OF INSPECTION AND SIGN OFF BY SANITATION DISTRICT IS TO BE SUBMITTED PRIOR TO PROJECT CLOSE OUT.

19. REQUIREMENTS FOR WORKING IN CONFINED SPACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AS AMENDED BY THE SANITATION DISTRICTS AND WITH THE REQUIREMENTS OF Cal/OSHA.

20. SEWER MANHOLES SHALL BE ADJUSTED TO GRADE AS NECESSARY BY THE ADDITION OF PRECAST RINGS OR FORMED CAST IN PLACE CONCRETE AND SHALL BE FINISHED WITH CONCRETE SURFACE TO MATCH EXISTING ASPHALT. FERROUS RAISING RINGS NOT ALLOWED.

21. MANHOLE COVERS SHALL BE PER CITY OR AGENCY STANDARD AND SHALL INCORPORATE THE NAME AND DESIGNATIONS REQUIRED BY THE CITY OR AGENCY.

22. CONTRACTOR TO FIELD LOCATE AND CONNECT ALL EXISTING SEWER LATERALS TO NEW SEWER MAIN LINE. AS A PART OF MAINLINE CONSTRUCTION, CONNECTIONS SHALL BE PER LACSD AND CITY STANDARDS.

23. CONTRACTOR TO PROVIDE A BYPASS OR ALTERNATE METHOD TO MAINTAIN SEWER SERVICEABILITY WHILE CONSTRUCTING NEW SEWER MAIN SEGMENTS IN ACCORDANCE WITH CITY NPDES PERMIT. SUBMIT PROPOSED METHOD FOR REVIEW BY ENGINEER & CITY 72 HOURS PRIOR TO CONSTRUCTION. METHODS TO BE IN ACCORDANCE WITH CITY GENERAL NPDES PERMIT.

24. CONTRACTORS TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS THAT WILL BE AFFECTED BY THE CONSTRUCTION FOR EACH SEWER SEGMENT 72 HOURS, THEN AT 24 HOURS IN ADVANCE OF INTERRUPTIONS.

LEGEND:

ABAN	ABANDONED	FP	FINISH PAVEMENT	PT	POINT	UTIL CAB	UTILITY CABINET
AC	ACCEPTED	FS	FINISH SURFACE	PTS	POINTS	V	VALVE
AC, ACC	ASPHALTIC CONCRETE	FT	FEET	PT.COM.	POINT OF COMMENCEMENT	VAC	VACATION
ACP	ASBESTOS CEMENT PIPE	FW	FRONT OF WALK	PTR	PRELIMINARY TITLE REPORT	VCP	VITRIFIED CLAY PIPE
ADA	AMERICANS WITH DISABILITY ACT	G	GAS LINE	PUN	PUNCHED	VG	VALLEY GUTTER
AP	ANGLE POINT	GA	GUY ANCHOR	PVC	POLYVINYL CHLORIDE	VLT	VAULT
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	GALV.	GALVANIZED	PVMT.	PAVEMENT	W	WATER LINE
		GFA	GROSS FLOOR AREA	PWD	PARKWAY DRAIN	W	WEST
ARV	AIR RELEASE VALVE	GM , ⧗	GAS METER	PWFB	PUBLIC WORKS FIELD BOOK	W/	WITH
AVE	AVENUE	GP	GUARD POST	R	RECORD	WLY	WESTERLY
AWWA	AMERICAN WATER WORKS ASSOCIATION	GTE	GENERAL TELEPHONE CONDUIT	R	RADIUS	WA	WATER ASSEMBLY
		GTE MH	GENERAL TELEPHONE MANHOLE	R 11 W	RANGE 11 WEST	WDF	WOOD FENCE
BC	BEGINNING OF CURVE	GTE VLT	GENERAL TELEPHONE VAULT	RAD	RADIAL	WIF	WROUGHT IRON FENCE
BCM	BUILDING CORNER-METAL	GV	GATE VALVE	R.C.B.	REINFORCED CONCRETE BOX	WM	WATER METER
BFP	BACKFLOW PREVENTION DEVICE	HC	HANDICAP	RCE	REGISTERED CIVIL ENGINEER	WSO	WATER SHUT OFF VALVE
BFV	BUTTERFLY VALVE	HCR	HANDICAP RAMP	RCLW	RECLAIMED WATER LINE	WV	WATER VALVE
BK.	BOOK	HDPE	HIGH-DENSITY POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE	W VLT	WATER VAULT
BLDG	BUILDING	HWF	HOG WIRE FENCE	RD	ROOF DRAIN	X-ARM	CROSS ARM
BLVD	BOULEVARD	ICB	IRRIGATION CONTROL BOX	R.D.	ROAD DEPARTMENT		
BMPs	BEST MANAGEMENT PRACTICES	ICV	IRRIGATION CONTROL VALVE	RDFB	ROAD DEPARTMENT FIELD BOOK		
BR	BRASS	ILLEG	ILLEGIBLE	REC	RECORD		
BRMP	BOTTOM OF RAMP	IN	INCHES, INLET	REF	REFERENCE		
BSTP	BOTTOM STEP	INST. NO.	INSTRUMENT NUMBER	RET	RETAINING		
BV / BFV	BUTTERFLY VALVE	INT-INTER	INTERSECTION	RR	RAILROAD		
BW	BACK OF WALK	INV	INVERT	R.S.B.	RECORD OF SURVEY BOOK		
BWF	BARBED WIRE FENCE	IP	IRON PIPE	R/W	RIGHT OF WAY		
CA, CAL	CALIFORNIA	L	LENGTH	RWQCB	REGIONAL WATER QUALITY CONTROL BOARD		
CAB	CRUSHED AGGREGATE BASE	LACDPW	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS	S	SEWER LINE		
CADT	CALIF. DEPT. OF TRANSPORTATION			S	SOUTH		
CATV	CABLE TELEVISION	LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	SBL	SETBACK LINE		
CI/CIP	CAST IRON PIPE			S.B.M.	SAN BERNARDINO MERIDIAN		
C&G	CURB AND GUTTER	LACSD	LOS ANGELES COUNTY SANITATION DISTRICT	S'LY	SOUTHERLY		
CB	CATCH BASIN			S&W	SPIKE & WASHER		
CC & R's	COVENANTS, CONDITIONS AND RESTRICTIONS	LACE	LOS ANGELES COUNTY ENGINEER	SCAQMD	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		
		LACS	LOS ANGELES COUNTY SURVEYOR				
CEFB	CITY ENGINEER'S FIELD BOOK	LD	LEGAL DESCRIPTION				
CF	CURB FACE	LF	LINEAR FOOT	SCE	SOUTHERN CALIFORNIA EDISON CO.		
C.F.	CALCULATED FROM	LIP	LIP OF GUTTER	SCO	SEWER CLEAN OUT		
CHIS.	CHISELED	LP	LIGHT POLE	SD	STORM DRAIN		
C/L, Ç ,C	CENTERLINE, CENTER	LS	LICENSED SURVEYOR	SDR	STANDARD DIMENSION RATIO		
CLF	CHAIN LINK FENCE	L&T	LEAD AND TACK	SE	SAND EQUIVALENT		
CMB	CRUSHED MISCELLANEOUS BASE	LT&T	LEAD TACK AND TAG	SE	SOUTHEAST		
CMC	CEMENT MORTAR COATED	LTLT	LOT LIGHT	SE'LY	SOUTHEASTERLY		
CML	CEMENT MORTAR LINED	LT STD	LIGHT STANDARD	SEC	SOUTHEAST CORNER		
CML&C	CEMENT MORTAR LINED & COATED	M	MEASURED	SEC 7	SECTION 7		
CML&E	CEMENT MORTAR LINED & EPOXY COATED	MAX	MAXIMUM	SF	SQUARE FEET		
		M.B.	MAP BOOK	SFN	SEARCHED, FOUND NOTHING		
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	SHT	SHEET		
CO.ENG.FB	COUNTY ENGINEER'S FIELD BOOK	MIN	MINIMUM	SLCB	STREET LIGHT CONTROL BOX		
CONC	CONCRETE	MON	MONUMENT	SLPB	STREET LIGHT PULL BOX		
COR	CORNER	MS	MOW STRIP	SMH	SEWER MANHOLE		
CSFB	COUNTY SURVEYOR'S FIELD BOOK	MUTCD	MANUAL ON TRAFFIC CONTROL DEVICES	SP	SIGN POST		
CD	CURB DRAIN	MW	MONITORING WELL	SPECS	SPECIFICATIONS		
D, △	DELTA=CENTRAL ANGLE	(N)	NEW	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
D, DIA	DIAMETER	N	NORTH				
DCV	DETECTOR CHECK VALVE	N'LY	NORTHERLY	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK)		
DED	DEDICATION	N.A.P.	NOT A PART				
DEPT.	DEPARTMENT	NE	NORTHEAST	ST	STREET		
DESC	DESCRIBED	NEC	NORTHEAST CORNER	ST LT	STREET LIGHT		
DI	DROP INLET	NE'LY	NORTHEASTERLY	STD	STANDARD		
DIP	DUCTILE IRON PIPE	NG	NATURAL GROUND	SW	SOUTHWEST		
DIST	DISTANCE	NO.	NUMBER	SWC	SOUTHWEST CORNER		
DN	DOWN	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	SW'LY	SOUTHWESTERLY		
DOC. NO.	DOCUMENT NO.			SW&T	SPIKE WASHER & TIN		
DR	DIMENSION RATIO	NW	NORTHWEST	S/W	SIDEWALK		
DWG	DRAWING	NWC	NORTHWEST CORNER	T	TANGENT		
DRWY	DRIVEWAY	NW'LY	NORTHWESTERLY	T 3 S	TOWNSHIP 3 SOUTH		
(E)	EXISTING	OH	OVERHEAD	TB	TOP OF BERM		
E	EAST	OIL W.W.	OIL WASTE WATER LINE	TC	TOP OF CURB		
E'LY	EASTERLY	O.R.	OFFICIAL RECORDS	TAN	TANGENT		
EB	ESTABLISHED BETWEEN	O/S	OFF SET	TE	TRASH ENCLOSURE		
EBFM	ESTABLISHED BETWEEN	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TELE	TELEPHONE		
EBP	ESTABLISHED BY PRORATION			TELE SW B	TELEPHONE SWITCH BOX		
EC	EDGE OF CONCRETE	PA	PLANTER AREA	TG	TOP OF GRATE		
EC	END OF CURVE	PB	PULL BOX	10" TR	10" DIAMETER TREE		
EF	ESTABLISHED FROM	PCC	POINT OF COMPOUND CURVE	TMH	TELEPHONE MANHOLE		
ELEC	ELECTRIC	PCC	PORTLAND CEMENT CONCRETE	TOE	TOE OF SLOPE		
ELEV.	ELEVATION	PCL	PARCEL	TOP	TOP OF SLOPE		
EM	ELECTRIC METER	PED	PEDESTAL	TP	TELEPHONE POLE		
EMH	ELECTRIC MAN HOLE	PG.	PAGE	T.P.O.B.	TRUE POINT OF BEGINNING		
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	TR	TRACK		
EPB	ELECTRIC PULL BOX	PIV	POST INDICATOR VALVE	TRANS	TRANSFORMER		
ESMT	EASEMENT	PKWY	PARKWAY	T	TRANSITE PIPE		
EST	ESTABLISHED	PL	PROPERTY LINE	TS	TRAFFIC SIGN		
EXIST, (E)	EXISTING	PM	PROPORTIONATE MEASUREMENT	TSCB	TRAFFIC SIGNAL CONTROL BOX		
FAR	FLOOR AREA RATIO	P.M.	PARCEL MAP	TSPB	TRAFFIC SIGNAL PULL BOX		
FB	FIELD BOOK	P.M.B.	PARCEL MAP BOOK	TSTP	TOP STEP		
FC	FLOOD CONTROL	P.O.B.	POINT OF BEGINNING	TVLT	TELEPHONE VAULT		
FD	FOUND MONUMENTS	POC	POINT ON CURVE	TW	TOP OF WALL		
FDC	FIRE DEPARTMENT CONNECTION	P.O.C.	POINT OF CONNECTION	TWC	TOP OF CONCRETE WALL		
FF	FINISHED FLOOR ELEVATION	P.O.L.	POINT ON LINE	TYP.	TYPICAL		
FH	FIRE HYDRANT	POS	POINT ON SLOPE	U.D.	UTILITY DROP		
FL	FLOW LINE	PP	POWER POLE	UDG	UNDERGROUND CONDUIT		
FL IFOB	FL AT INSIDE WALL CB	PRC	POINT OF REVERSE CURVE	ULT.	ULTIMATE		
FNC	FENCE	PROD	PROLONGATION	UTIL	UTILITY		
F/O	FIBER OPTIC	PROP	PROPOSED	UTIL B	UTILITY BOX		

SYMBOLS:

- ABOVE GRADE CONTROL BOX
- AIRCONDITIONING UNIT
- CABLE TV BOX
- CATCH BASIN
- COLUMN
- DRAIN
- ELECTRIC MANHOLE
- EXISTING GRADE
- FINISH GRADE 75.90
- FIRE CONTROL VALVE
- FIRE DEPT. CONN. (FDC)
- FIRE HYDRANT - PROPOSED
- FIRE HYDRANT - EXISTING
- GAS METER
- GAS VALVE
- GATE POST
- GATE VALVE, EXISTING, WITH CITY OF COMPTON ID # 123
- GATE VALVE - PROPOSED
- IRRIGATION VALVE
- LIGHT STANDARD/ PED. CROSSING LIGHT
- MAIL BOX
- MONITORING WELL
- PARKING METER
- POST
- POWER POLE
- POWER POLE ANCHOR
- PULL BOX
- SEWER CL OUT
- SEWER MANHOLE
- SIGN POST
- STORM DRAIN MANHOLE
- STREET LIGHT
- STREET LIGHT BOX
- TEL (PUBLIC PHONE)
- TEL BOX
- TELECOM PULL BOX
- TELEPHONE MANHOLE
- TRAFFIC LIGHT
- TRAFFIC LIGHT CONTROL BOX
- TRAFFIC LIGHT WITH ARM
- TRAFFIC LIGHT WITH STREET LIGHT
- TREES
- VENT
- WATER MANHOLE
- WATER METER
- WATER VALVE - EXISTING
- WATER VAULT

- CONCRETE
- AGGREGATE BASE
- UNDISTURBED SOIL
- COMPACTED SOIL
- VEGETATED AREA
- ASPHALT
- GRIND/REPAVE
- BACKFILL
- SAND/PIPE ZONE BACKFILL
- SAND/PIPE ZONE BACKFILL
- 3/4 SACK SLURRY
- PROPERTY LINE
- CENTERLINE
- FENCE
- WALL
- BUILDING EDGE
- GAS
- SEWER
- WATER - PROPOSED
- WATER - EXISTING
- STORM DRAIN
- RAILROAD

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PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU — REGISTERED PROFESSIONAL ENGINEER — No. 56857 Exp. 06-30-17 — STATE OF CALIFORNIA — CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
1-7-16
GLEN W.C KAU , P.E. — LICENSE No. C-56857 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

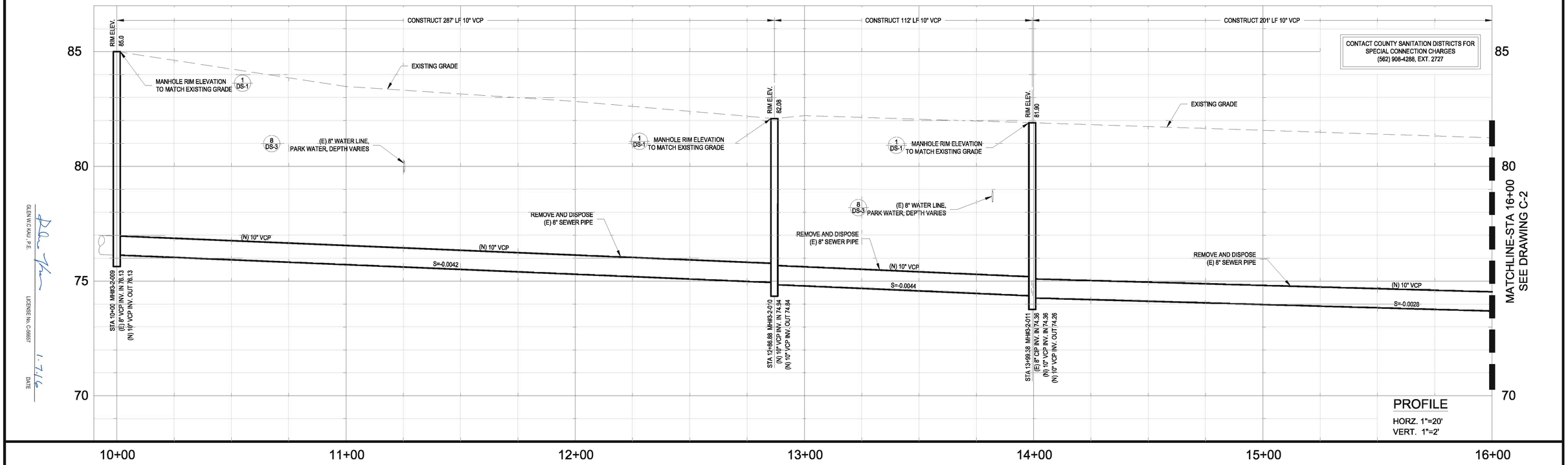
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

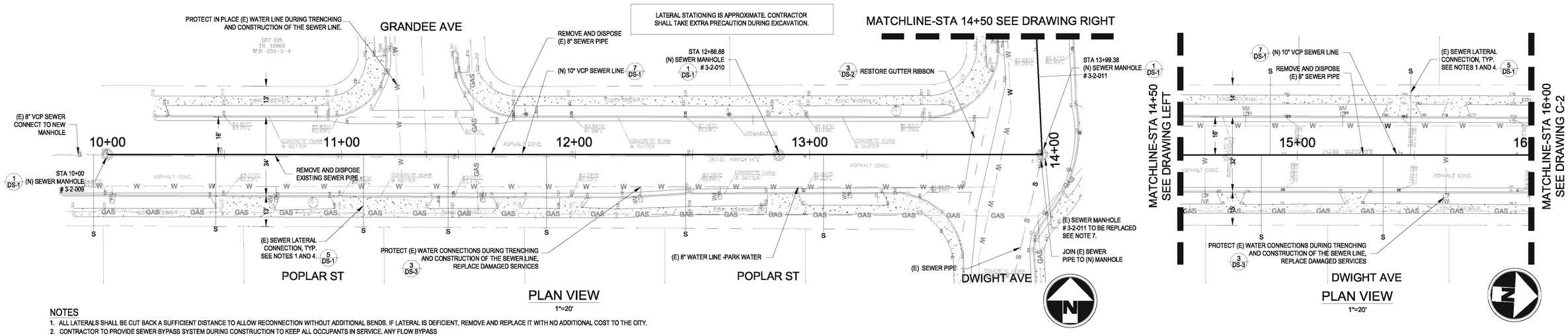
COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
GENERAL NOTES, LEGEND AND SYMBOLS

JOB No. CIP#10-18/JN120S
DRAWING No. G-3
SHEET 03 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\03-GENERAL NOTES, SYMBOLS.dwg 01/04/16 11:05am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1.7.16



NOTES

1. ALL LATERALS SHALL BE CUT BACK A SUFFICIENT DISTANCE TO ALLOW RECONNECTION WITHOUT ADDITIONAL BENDS. IF LATERAL IS DEFICIENT, REMOVE AND REPLACE IT WITH NO ADDITIONAL COST TO THE CITY.
2. CONTRACTOR TO PROVIDE SEWER BYPASS SYSTEM DURING CONSTRUCTION TO KEEP ALL OCCUPANTS IN SERVICE. ANY FLOW BYPASS SYSTEM INVOLVING CSD MANHOLES SHALL BE IN ACCORDANCE WITH SECTION 500-1.1.7 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY CSD.
3. CONTRACTOR TO PROVIDE TEMPORARY WATER SERVICE HIGHLINE TO ALL OCCUPANTS WHERE WATER SERVICE MAY BE INTERRUPTED.
4. FIELD VERIFY LOCATION OF EACH LATERAL AT EACH PROPERTY PRIOR TO BEGINNING CONSTRUCTION.
5. WATER SERVICES REFERENCED FROM WATER METERS.
6. CONTRACTOR MAY ADJUST THE PIPE HORIZONTAL OR VERTICAL ALIGNMENT TO MAINTAIN ADEQUATE SEPARATION BETWEEN WATER AND SEWER LINE WITH NO ADDITIONAL COST TO THE CITY.
7. EXISTING MANHOLE SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
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CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

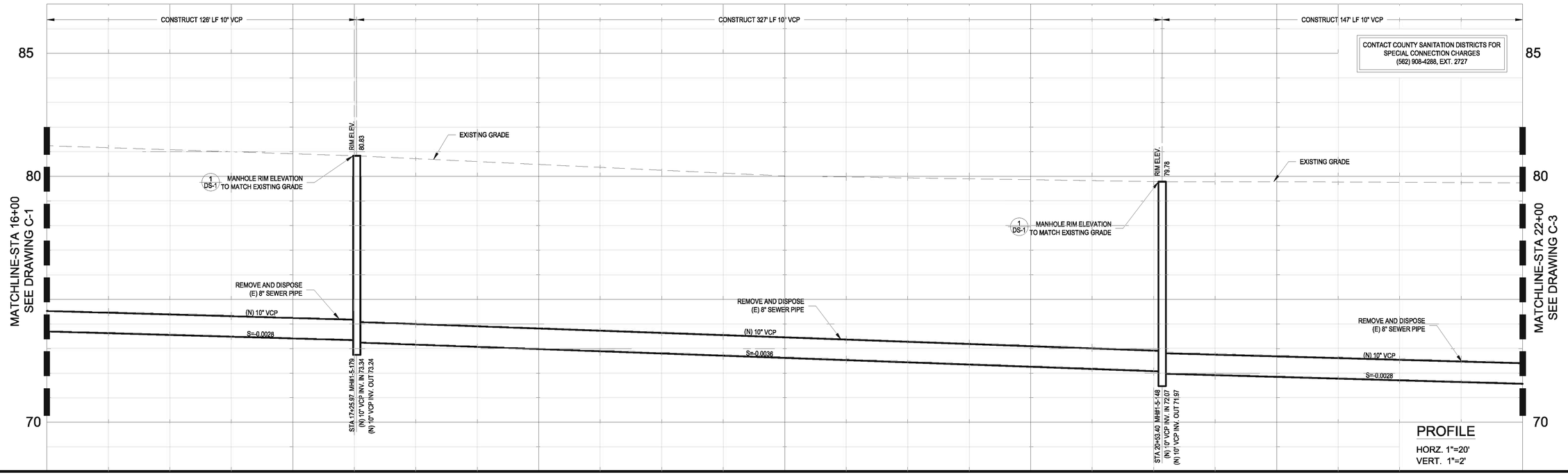
NO.	REVISION DESCRIPTION	APP.	DATE

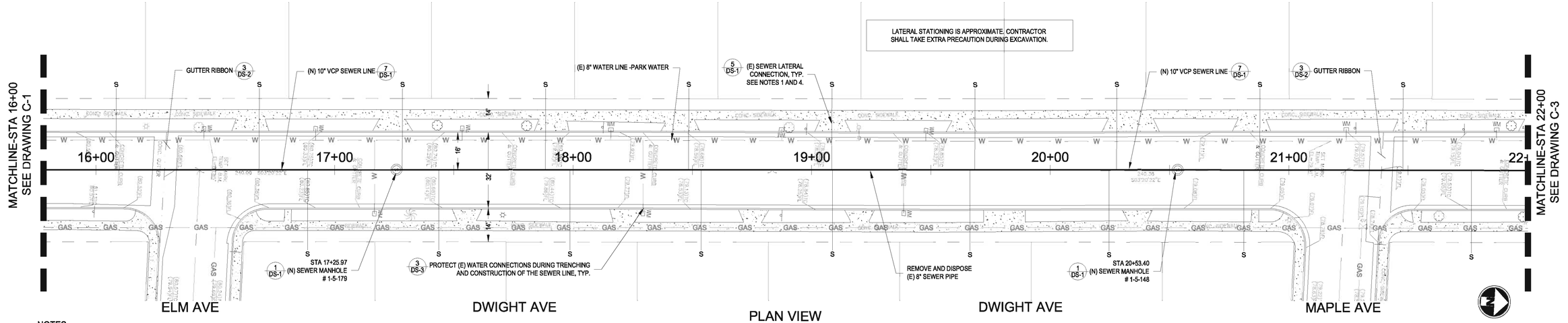
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
POPLAR ST / DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-1
SHEET 04 OF 17 SHEETS

Z:\CS PROJECTS\Compton Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT04-C1.dwg 01/04/16 11:07am





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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 STATE OF CALIFORNIA CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

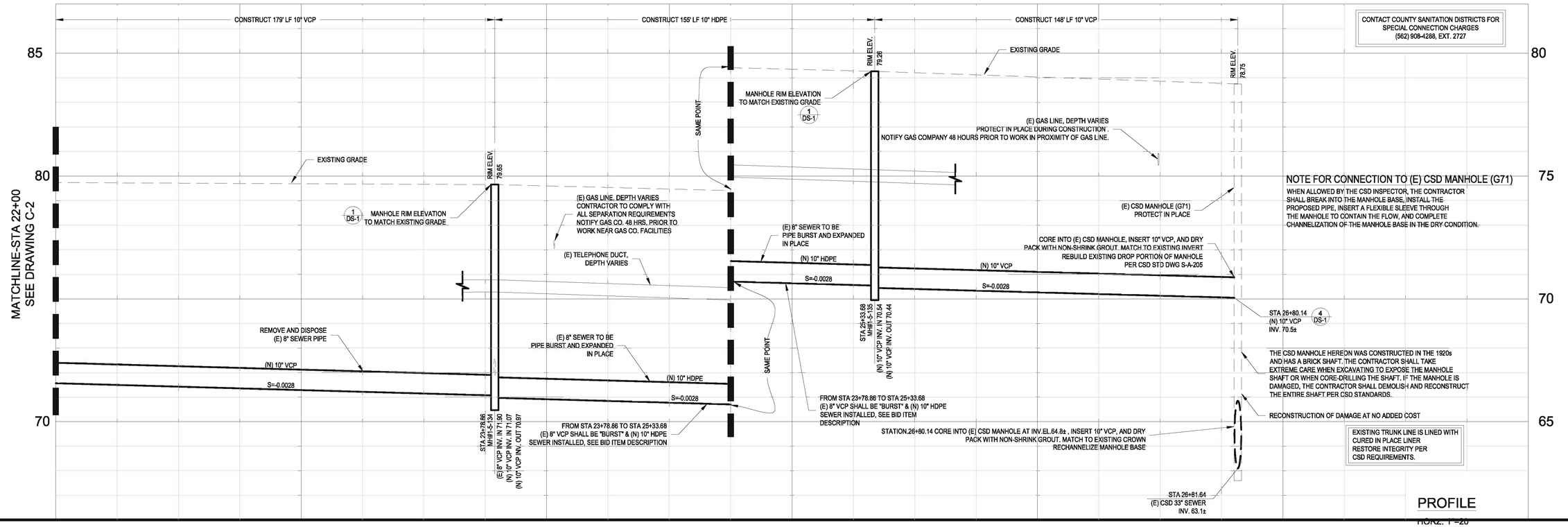
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
DWIGHT AVE
PLAN AND PROFILE
STA 16+00 TO 22+00

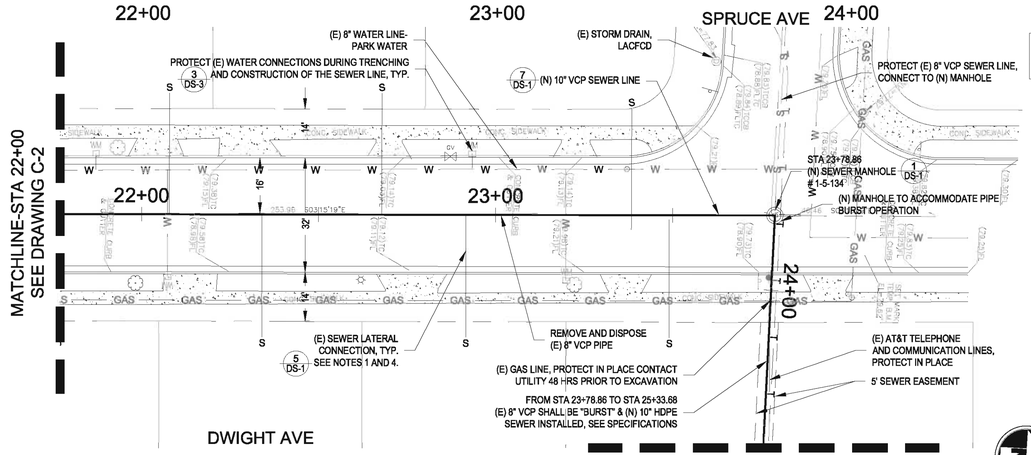
JOB No. CIP#10-18/JN120S
DRAWING No. **C-2**
SHEET 05 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER.dwg 10CS-SHT05-C2.dwg 01/04/16 11:09am

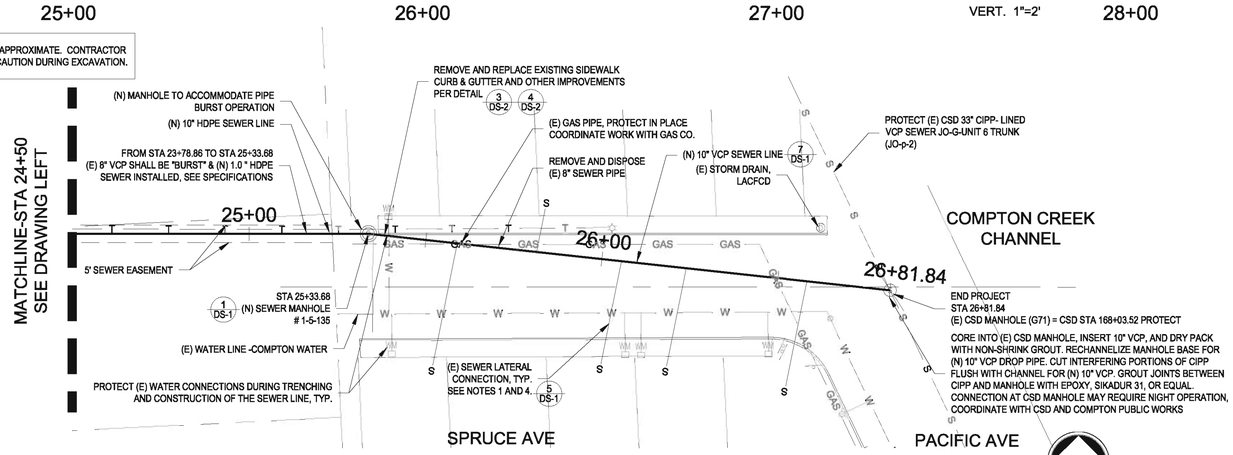


PROFILE

HORZ. 1"=20'
VERT. 1"=2'



LATERAL STATIONING IS APPROXIMATE. CONTRACTOR SHALL TAKE EXTRA PRECAUTION DURING EXCAVATION.



PLAN VIEW

1"=20'

0 10 20 40 60

1"=20'

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9. PIPE BURSTING METHOD SHALL BE PERFORMED IN A MANNER THAT WILL MINIMIZE MOVEMENT OF THE GROUND.
10. SHOULD ANYTHING PREVENT COMPLETION OF CONSTRUCTION OR PIPE BURSTING METHOD. THE REMAINDER OF THE PIPE LINE SHALL BE CONSTRUCTED BY THE METHOD APPROVED BY THE CITY.
11. CONTRACTOR SHALL SUBMIT CONSTRUCTION PLAN INCLUDING EXACT LOCATION AND SIZE OF SENDING / RECEIVING PITS FOR CITY APPROVAL. SUBMITTAL SHALL INCLUDE SHEETING / SHORING CALCULATIONS.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: GLEN W. C. KAU No. 56657 Exp. 06-30-12 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

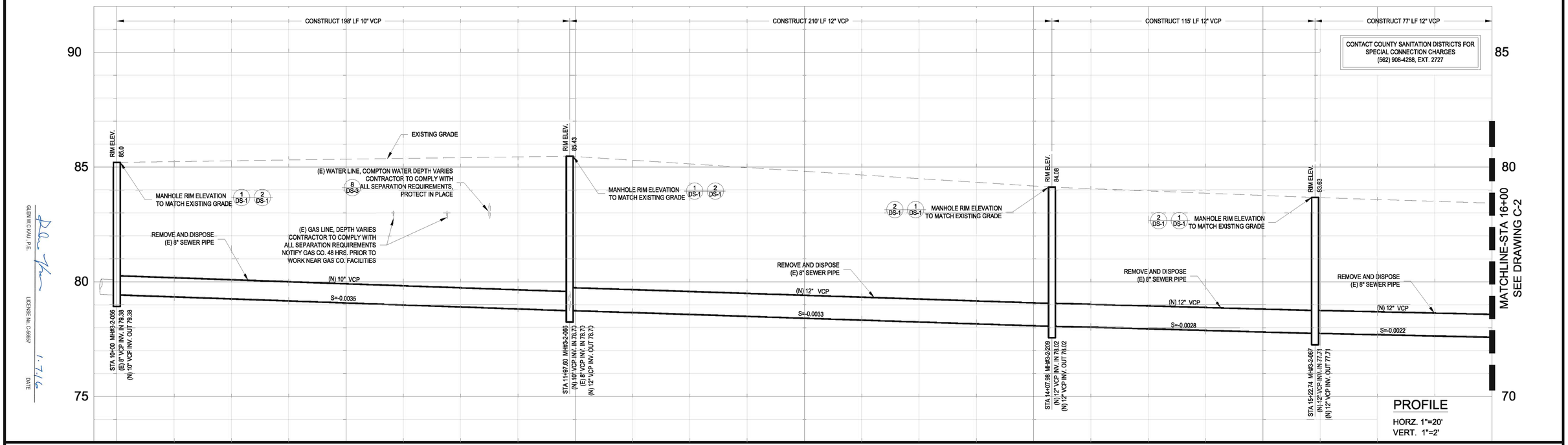
CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

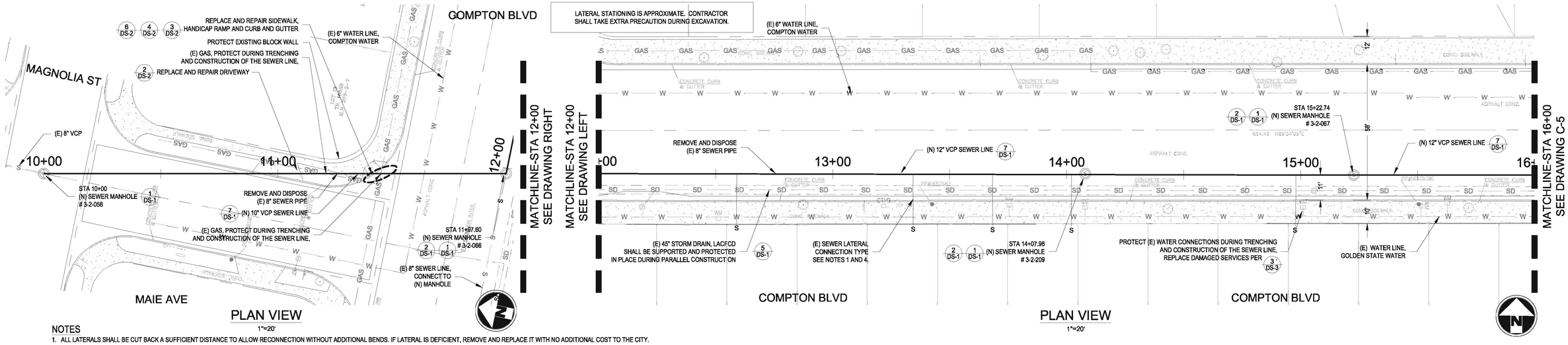
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S
DRAWING No. C-3
SHEET 06 OF 17 SHEETS

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
DWIGHT AVE / SPRUCE AVE / PACIFIC AVE
PLAN AND PROFILE
STA 22+00 TO 26+81.84

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT06-C3.dwg 01/04/16 11:10am



GLEN W.C KAU, P.E. — LICENSE No. C-56657 — DATE 1-7-16



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0 10 20 40 60
1"=20'

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TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. — LICENSE No. C-56657 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
MAIE AVE / COMPTON BLVD
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-4
SHEET 07 OF 17 SHEETS

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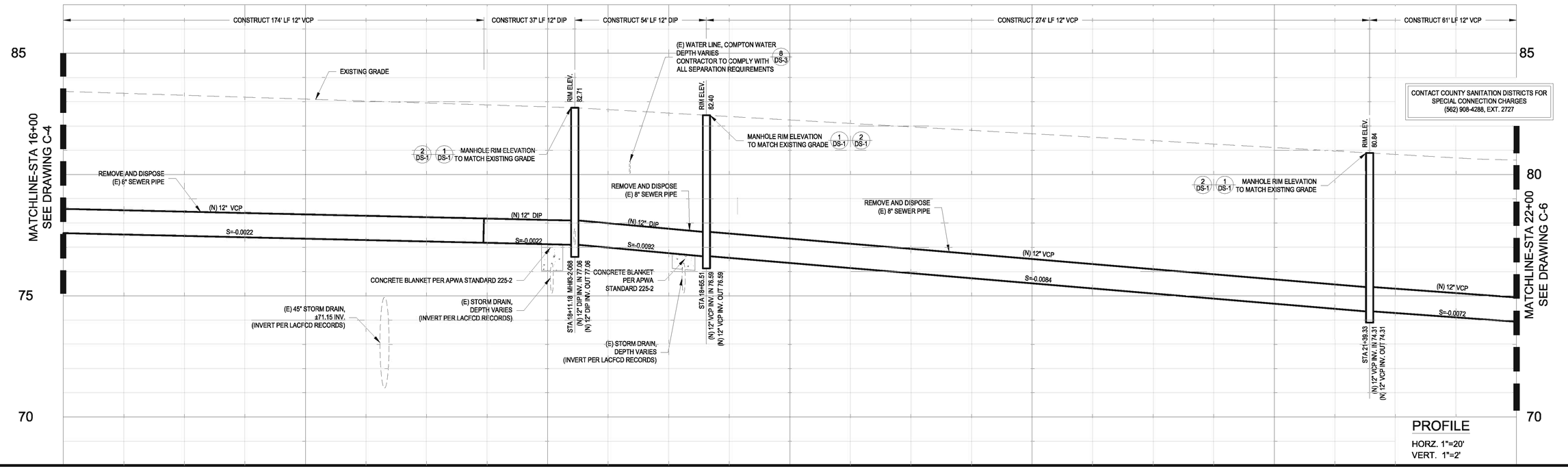
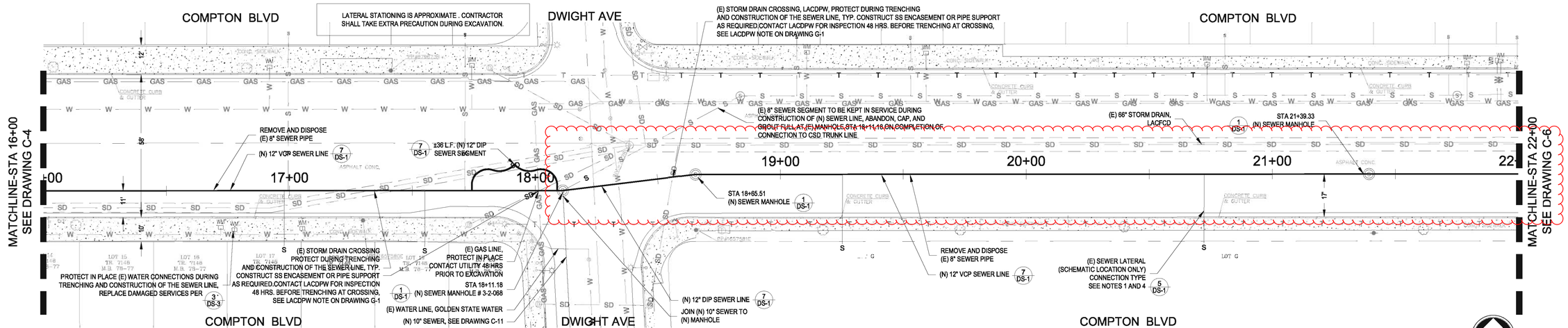


PROFILE

HORZ. 1"=20'
VERT. 1"=2'



PLAN VIEW

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8. CONTRACTOR AT HIS OWN EXPENSE MAY RETAIN AND RESTORE MANHOLE #3-2-068 IN PLACE.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON Incorporated 1888

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

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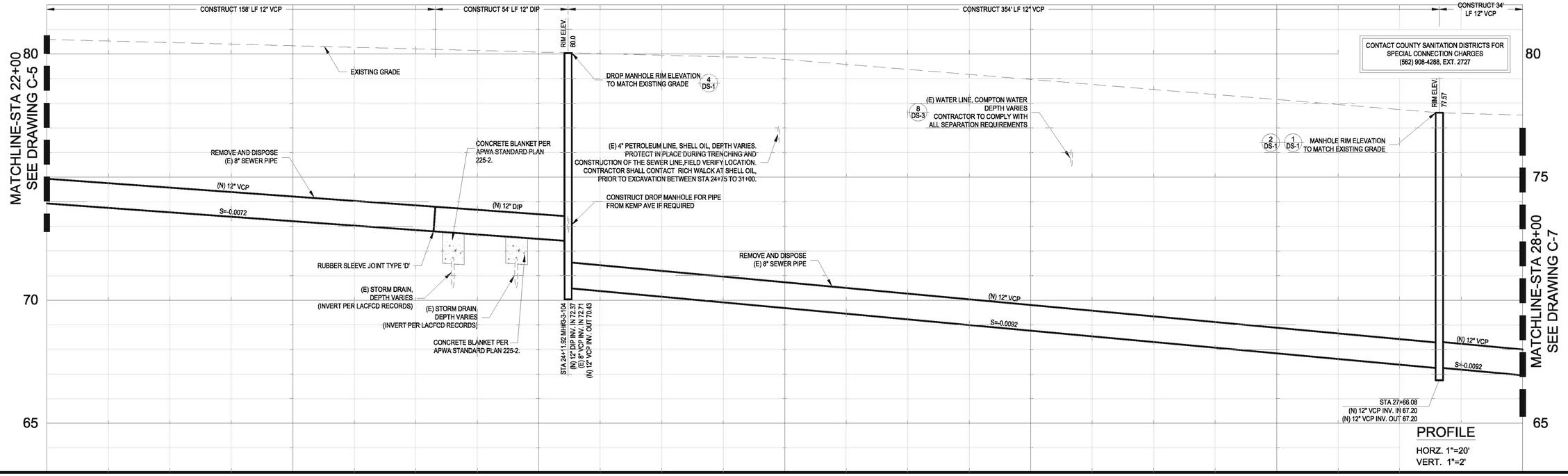
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 16+00 TO 22+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-5
SHEET 08 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STARCH.VA 1205-SHT08-C5.dwg 07/04/16 11:16am



PROFILE

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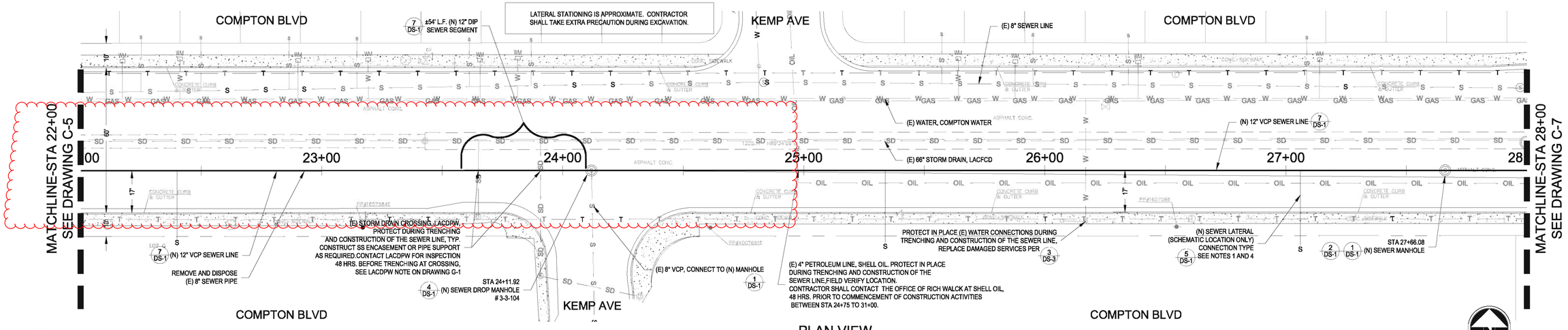

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9. CONTRACTOR SHALL SHORE TRENCH STA 25+00 TO STA 31+00. SUBMIT FOR APPROVAL. MAXIMUM TRENCH WIDTH SHALL BE 5'-0" .

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

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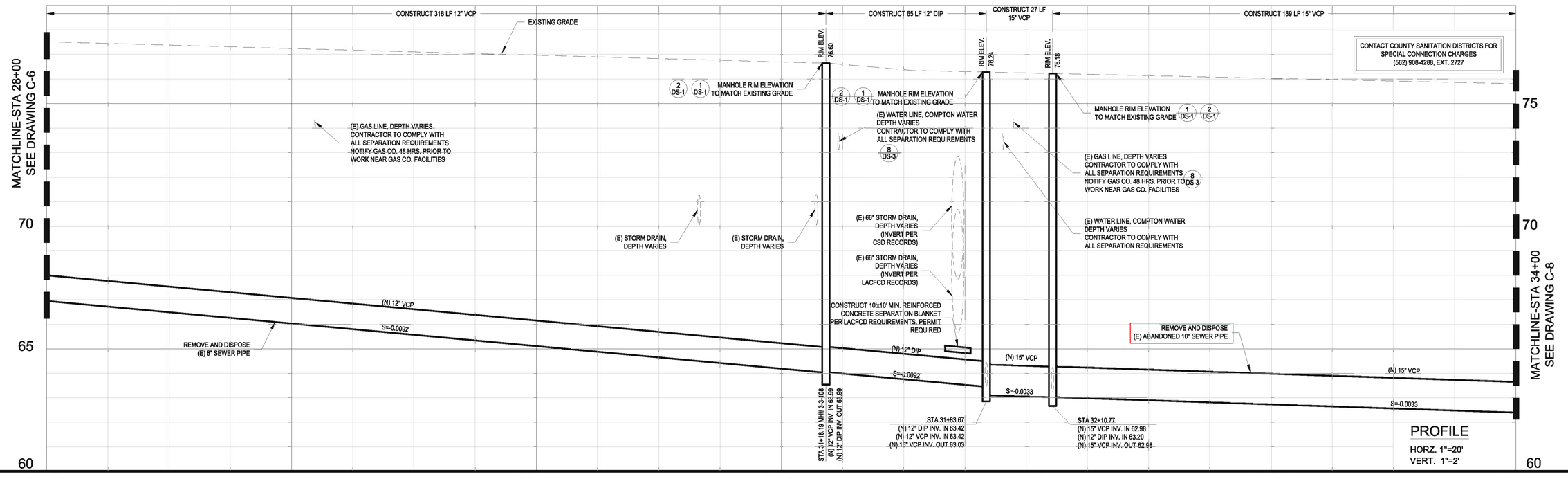
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 22+00 TO 28+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-6
SHEET 09 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\ut_120S-SHT09-CE.dwg 01/04/16 11:17am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

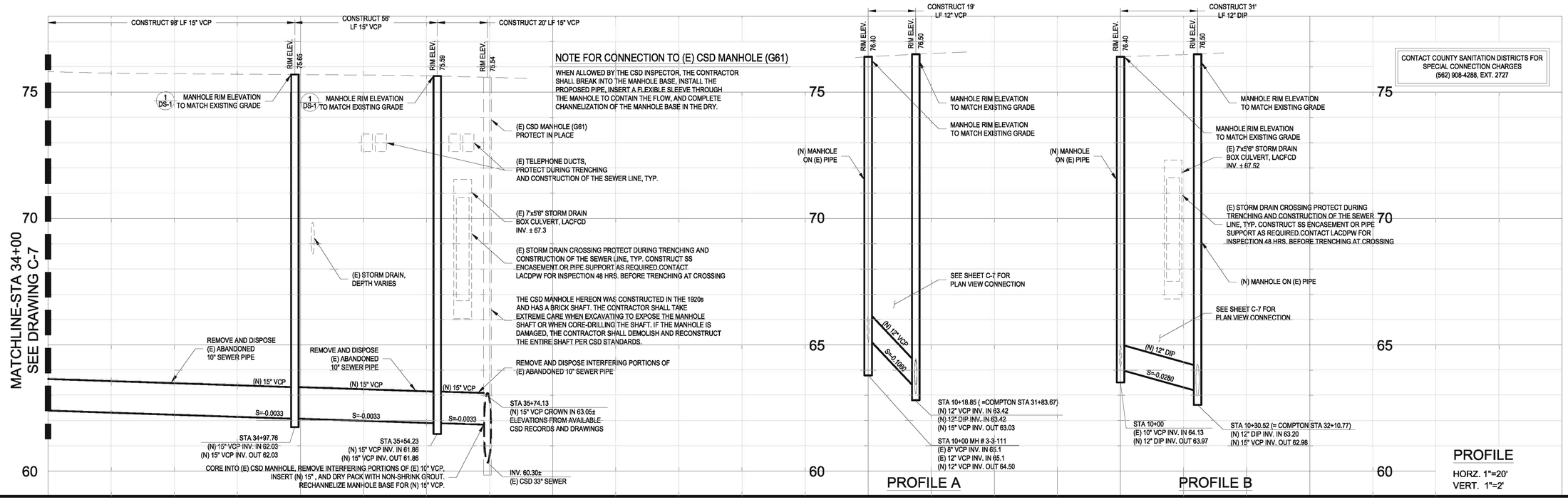
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

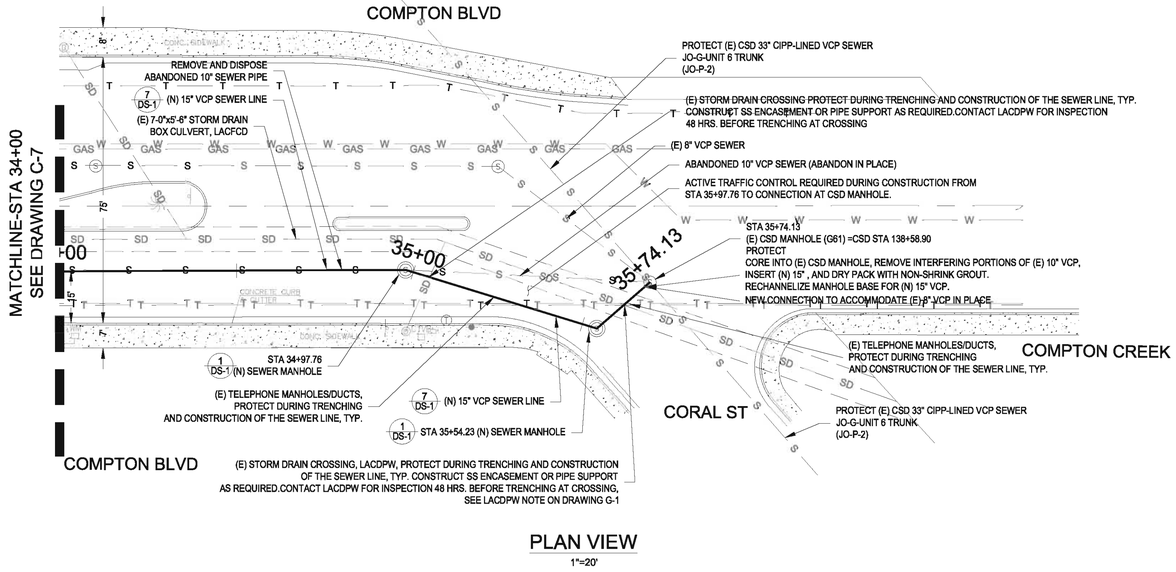
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 28+00 TO 34+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-7
SHEET 10 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STA(C).vsx 1205-SHT10-C7.dwg 07/07/16 11:18am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



PLAN VIEW
1"=20'

NOTE FOR CONNECTION TO (E) CSD MANHOLE (G61)

WHEN ALLOWED BY THE CSD INSPECTOR, THE CONTRACTOR SHALL BREAK INTO THE MANHOLE BASE, INSTALL THE PROPOSED PIPE, INSERT A FLEXIBLE SLEEVE THROUGH THE MANHOLE TO CONTAIN THE FLOW, AND COMPLETE CHANNELIZATION OF THE MANHOLE BASE IN THE DRY.

NOTES

1. ALL LATERALS SHALL BE CUT BACK A SUFFICIENT DISTANCE TO ALLOW RECONNECTION WITHOUT ADDITIONAL BENDS. IF LATERAL IS DEFICIENT, REMOVE AND REPLACE IT WITH NO ADDITIONAL COST TO THE CITY.
2. CONTRACTOR TO PROVIDE SEWER BYPASS SYSTEM DURING CONSTRUCTION TO KEEP ALL OCCUPANTS IN SERVICE. ANY FLOW BYPASS SYSTEM INVOLVING CSD MANHOLES SHALL BE IN ACCORDANCE WITH SECTION 500-1.1.7 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY CSD.
3. CONTRACTOR TO PROVIDE TEMPORARY WATER SERVICE HIGHLINE TO ALL OCCUPANTS WHERE WATER SERVICE MAY BE INTERRUPTED.
4. FIELD VERIFY LOCATION OF EACH LATERAL AT EACH PROPERTY PRIOR TO BEGINNING CONSTRUCTION.
5. WATER SERVICES REFERENCED FROM WATER METERS.
6. CONTRACTOR MAY ADJUST THE PIPE HORIZONTAL OR VERTICAL ALIGNMENT TO MAINTAIN ADEQUATE SEPARATION BETWEEN WATER AND SEWER LINE WITH NO ADDITIONAL COST TO THE CITY.
7. EXISTING MANHOLE SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
8. CONTRACTOR SHALL POTHOLE TO VERIFY LOCATION AND DEPTH OF ALL UTILITY CROSSINGS PRIOR TO PROCUREMENT OF MATERIALS OR COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

0 10 20 40 60
1"=20'

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

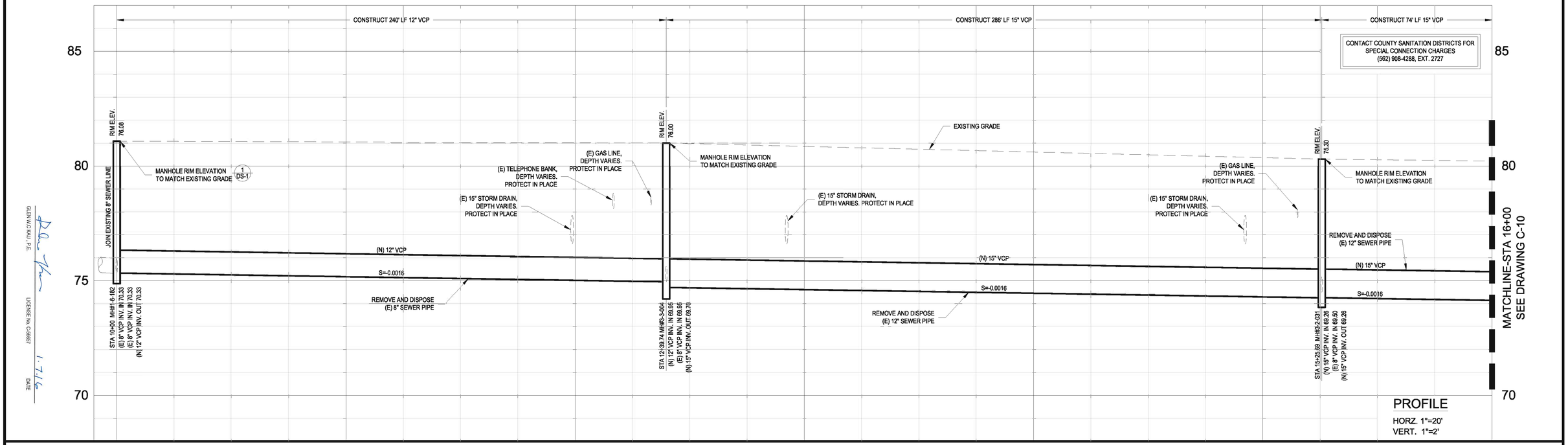
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 34+00 TO 35+74.13

DRAWING No. **C-8**

SHEET 11 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 proj CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\A_VA 120S-SHT11-C8.dwg 01/04/16 11:19am



PLAN VIEW
1"=20'

NOTES

1. ALL LATERALS SHALL BE CUT BACK A SUFFICIENT DISTANCE TO ALLOW RECONNECTION WITHOUT ADDITIONAL BENDS. IF LATERAL IS DEFICIENT, REMOVE AND REPLACE IT WITH NO ADDITIONAL COST TO THE CITY.
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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

Underground Service Alert
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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

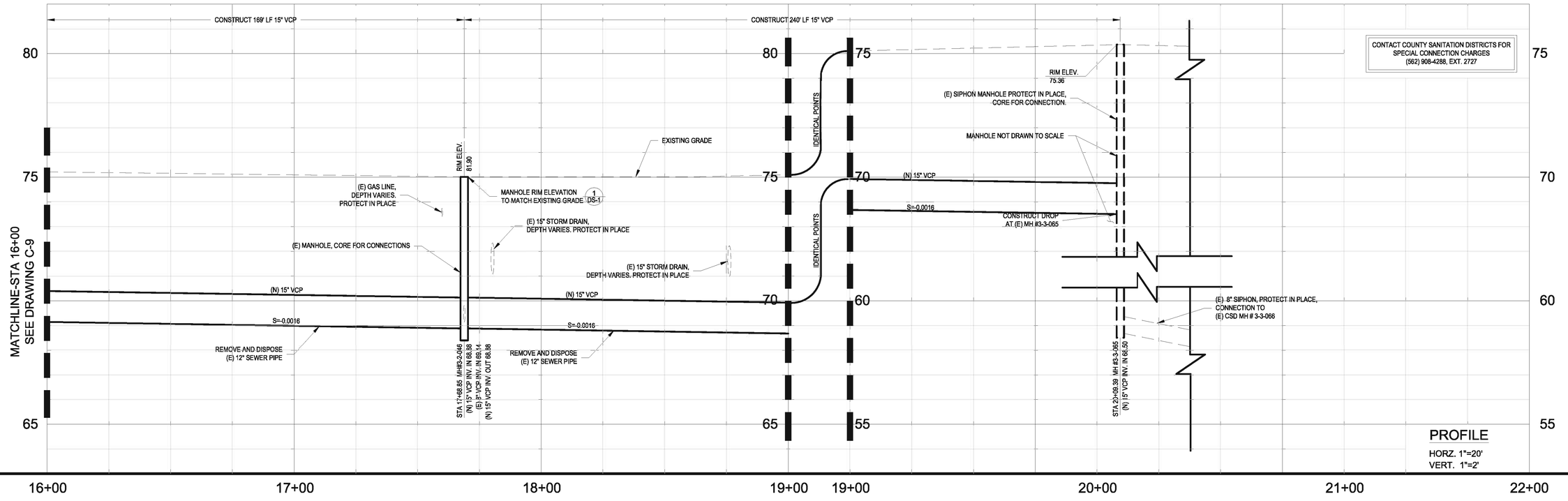
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

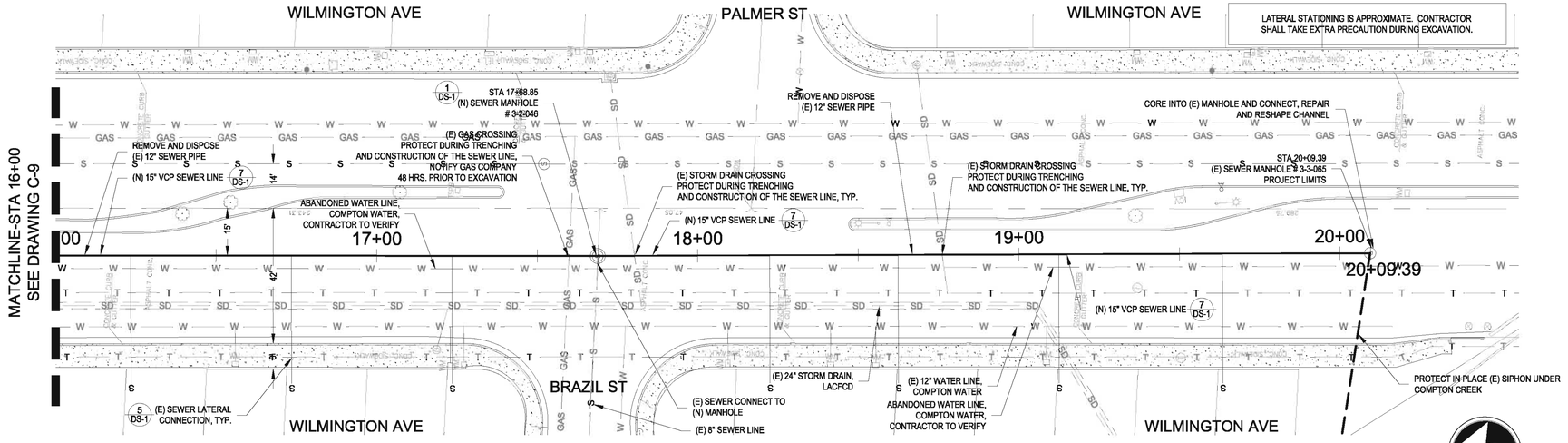
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-9
SHEET 12 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\sh 12OS-SH12-c9.dwg 01/04/16 11:22am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



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0 10 20 40 60
1"=20'

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TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
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NO.	REVISION DESCRIPTION	APP.	DATE

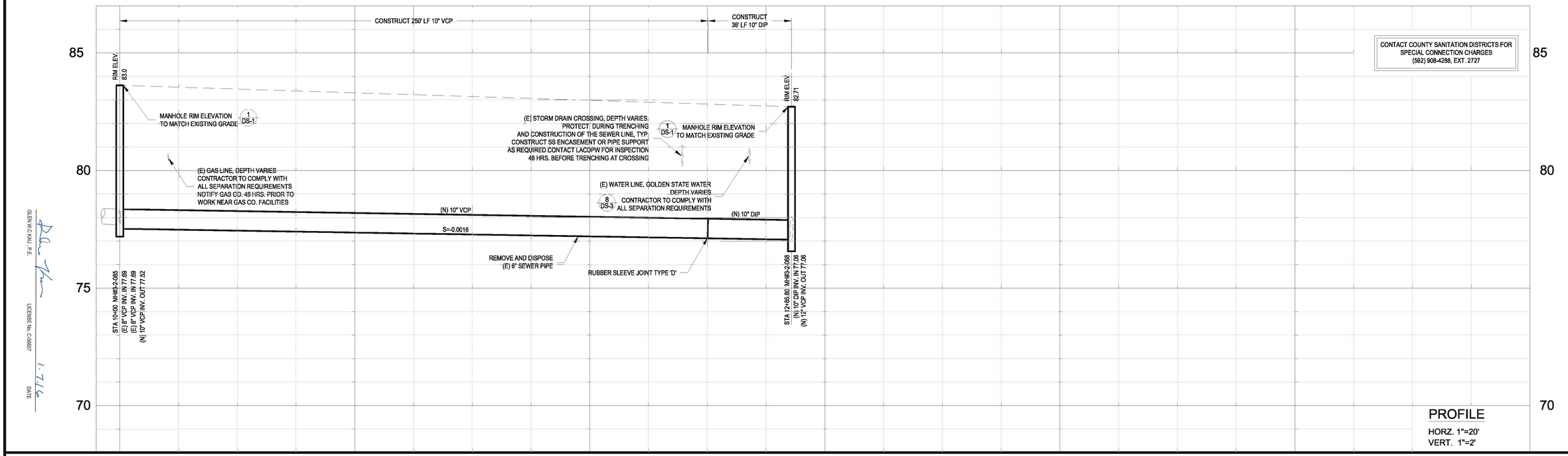
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

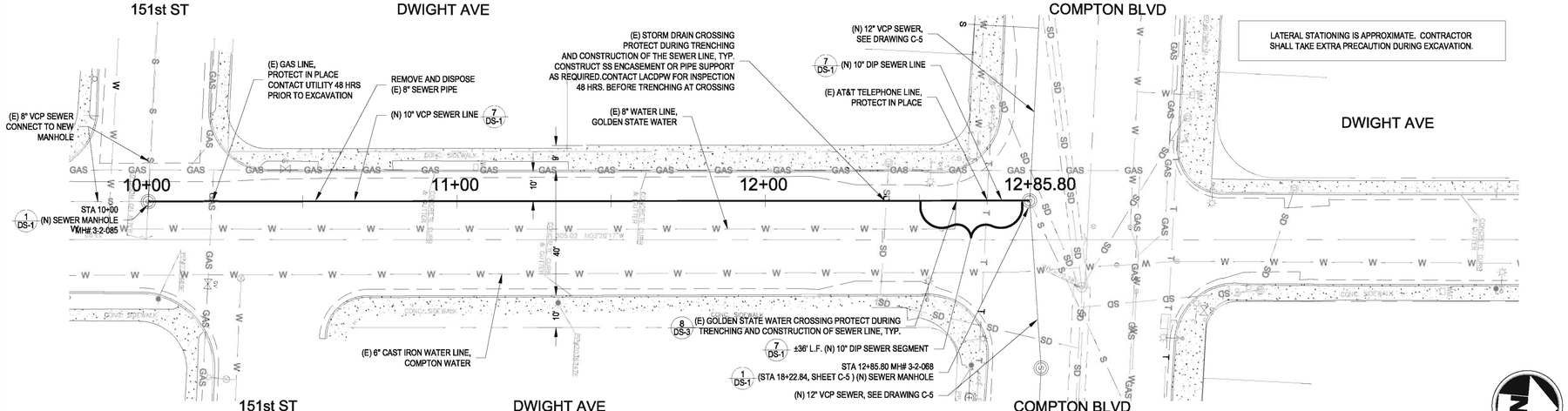
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 16+00 TO 20+09.39

DRAWING No. **C-10**

SHEET 13 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AVE WILMINGTON SEWER_VA 120S-SHT13-C10.dwg 01/04/16 11:23am





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0 10 20 40 60
1"=20'

GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

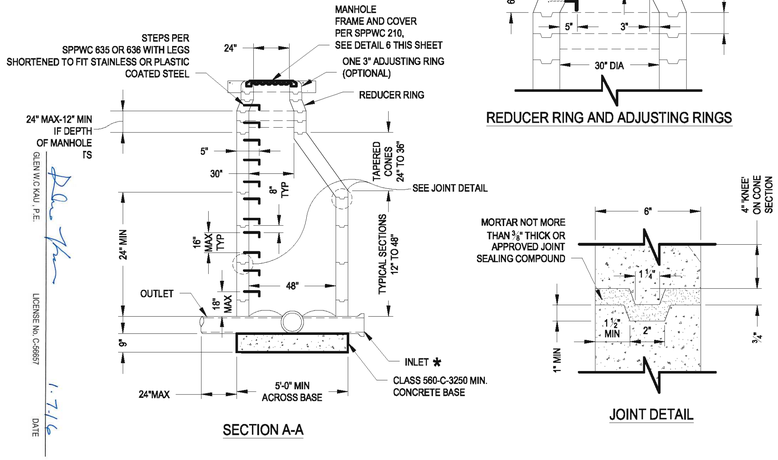
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

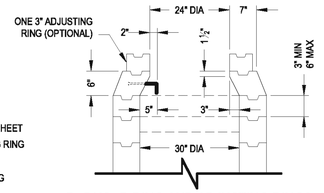
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
SO. DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 12+85.80

JOB No. CIP#10-18/JN120S
DRAWING No. C-11
SHEET 14 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\PLN 120S-SHT14-C11.dwg 01/04/16 11:25pm

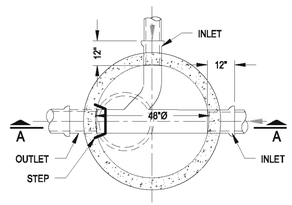


SECTION A-A



REDUCER RING AND ADJUSTING RINGS

JOINT DETAIL



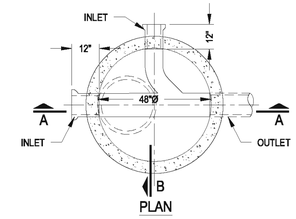
PLAN

NOTES:

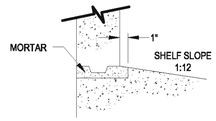
1. SHELF FORMED IN PLACE TO FORM SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED LINED MANHOLES TO BE PROVIDED/ REPAIRED PER STANDARDS FOR LINING (PVC OR EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. STEPS PER SPPWC 636 (NOTE 2, STANDARD PLAN 200-3) STAINLESS OR PLASTIC COATED STEEL APPROVAL SUBMITTAL REQUIRED.
7. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND/ OR DEPARTMENT OF PUBLIC WORKS.
8. MANHOLE COVER CENTERED OVER PRIMARY OUTLET.
9. CONCRETE FOR ALL PRECAST UNITS SHALL BE COMPACTLY VIBRATED IN THE FORMS. IT SHALL BE CURED ACCORDING TO THE APPROVED PRACTICE (STEAM, SPRINKLING, MEMBRANE SOLUTION, OR A COMBINATIONS OF THOSE) MINIMUM 28 DAYS STRENGTH SHALL BE 3500 PSI.
10. STEPS SHALL BE INSTALLED ON TOP OF OUTLET PIPE AS SHOWN ON DETAIL 1.

✱ . FOR CONNECTION TO EXISTING SEWER LINE, CUT EXISTING LINE AND JOIN TO INLET STUB BY STAINLESS STEEL REPAIR CLAMP STYLE LSS1 OR LSS2 BY ROMAC OR EQUAL.

1 DS-1 PRECAST CONCRETE SEWER MANHOLE
NOT TO SCALE



PLAN



SECTION B

NOTES:

1. SHELF FORMED IN PLACE TO PROVIDE SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED, LINED MANHOLES TO BE PROVIDED, REPAIRED PER STANDARDS FOR LINING (PVC EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND DEPARTMENT OF PUBLIC WORKS.
7. STEPS STAINLESS STEEL OR PLASTIC COATED STEEL. APPROVAL SUBMITTAL REQUIRED.
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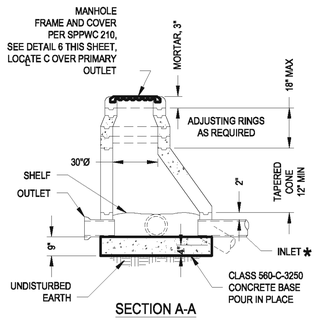
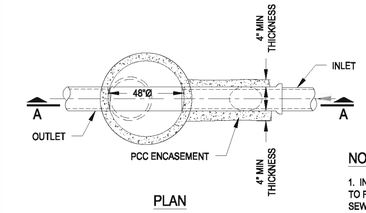
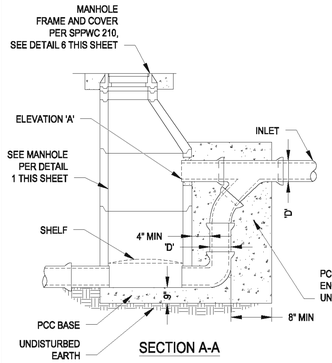


SECTION A-A

3 DS-1 PRECAST CONCRETE SHALLOW MANHOLE
NOT TO SCALE



PLAN

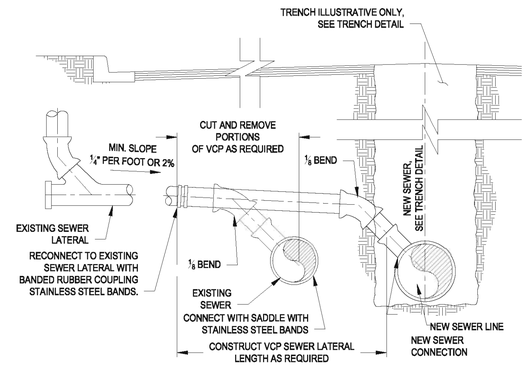


SECTION A-A

NOTES:

1. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
2. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.
3. CONCRETE FOR DROP SECTIONS TO BE FORMED.
4. PENETRATIONS INTO MANHOLES TO BE MADE BY CORE DRILL.
5. LINED MANHOLES TO BE REPAIRED PER STANDARDS FOR LINING (PVC 6" TURNBACK)(APPLIED COATING-RECOAT SUFFICIENT AREA TO ACHIEVE PERMANENT BOND). HOLIDAY TESTING REQUIRED.
6. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS ON SHELF TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY TO SEWER PIPE.
7. PCC CONCRETE TO BE 560-C-3250 MINIMUM, FOR SHORTENED CURE TIME CONCRETE TO BE 600-C-3000 MINIMUM.
8. DETAIL TO BE USED FOR JOINING (E) MANHOLE WHERE DROP REQUIRED.

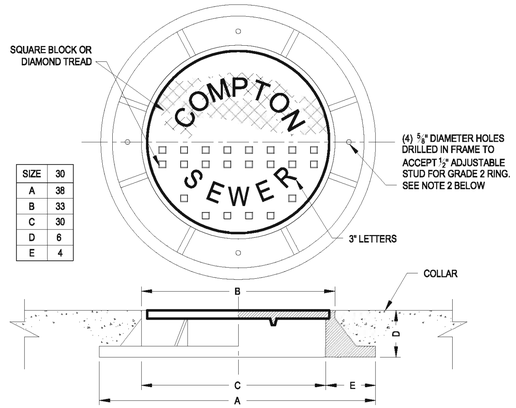
4 DS-1 DROP SEWER MANHOLE
NOT TO SCALE



NOTES:

1. CONTRACTOR TO VERIFY SIZE AND CONDITION OF EXISTING LATERAL. RECONSTRUCTION TO MATCH EXISTING.
2. CONTRACTOR SHALL FIELD LOCATE AND MARK ALL LATERALS PRIOR TO BEGINNING CONSTRUCTION.
3. LATERALS SHALL BE EXTRA STRENGTH VCP.

5 DS-1 SEWER LATERAL CONNECTION
NOT TO SCALE



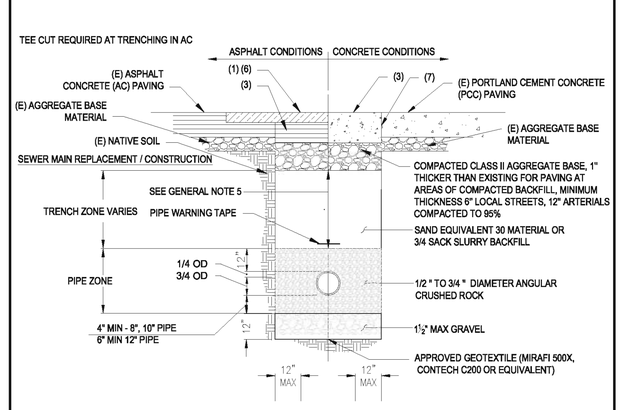
SIZE	30
A	38
B	33
C	30
D	6
E	4

SIZE	ALHAMBRA FOUNDRY	NEENAH FOUNDRY	SOUTH BAY FOUNDRY	PONT-A-MOUSSON
30"	A-1252-5	R-1582	SBF 1252-6	CLASS 400

NOTES:

1. 48" STANDARD "A" AND SHALLOW MANHOLES (DETAILS 1, 2, 3) SHALL HAVE 30" COVERS.
2. FOR FRAMES AND COVER IN EASEMENTS, ALLEYS, PARKWAYS, AND UNIMPROVED AREA INSTALL 4 - ½" INSERTS FOR LOCK DOWN STUDS IN TOP GRADE RING ALIGNED WITH FRAME. FRAME BOLTED TO GRADE RING. FINISH ELEVATION AS SHOWN IN SPPWC.
3. INSTALLATION OF GRADE RINGS, SEE DETAIL 1.
4. ADJUST MANHOLE FRAME AND COVER (WITH COLLAR) TO FINAL PAVING GRADE.
5. SHAFT LOCATIONS: CENTERED AT OUTLET SIDE
6. COVER TO BE COATED IN PLACE WITH BITUMINOUS MATERIAL AFTER INSTALLATION.
7. FOR SHORTENED CURE TIME, CONCRETE TO BE 600-C-3000 MIN./ LOW SLUMP.

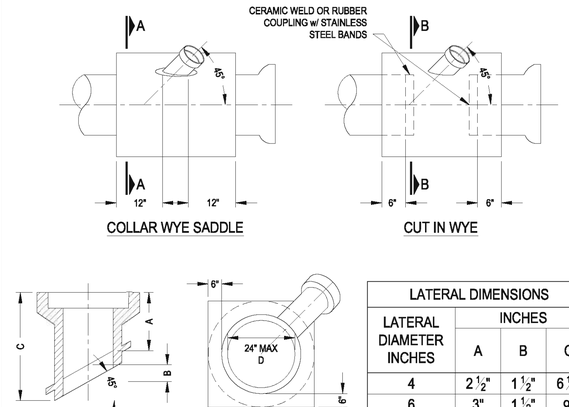
6 DS-1 TRAFFIC MANHOLE FRAME & COVER
NOT TO SCALE



NOTES:

1. GRIND EXISTING PAVEMENT TO 0.15 FT. DEPTH A MINIMUM OF ONE FOOT BEYOND LIMITS OF TRENCH. (TEE CUT)
2. BEDDING 'A' SHALL BE COMPOSED OF SAND, HAVING A CERTIFIED SAND EQUIVALENT OF NOT LESS THAN 30, CONFORM TO THE SAND GRADATION TABLE HEREIN AND SHALL BE COMPACTED TO 90% OF MAX. DENSITY.
3. REPLACEMENT ASPHALT CONCRETE OR CONCRETE SECTIONS SHALL BE PER CITY OF COMPTON STANDARDS WITH AC OR PCC THICKNESS MINIMUM OF ONE INCH GREATER THAN EXISTING. PCC SHALL BE CLASS 520-C-2500. AC SHALL BE PER BID DOCUMENTS. AC MINIMUM 4" IN LOCAL STREETS, MINIMUM 8" IN ARTERIALS. MINIMUM PCC PAVING 6".
4. BEDDING 'B' SHALL BE COMPOSED OF SAND OR OTHER GRANULAR MATERIAL INSTALLED TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BEDDING 'B' SHALL BE COMPACTED TO A RELATIVE DENSITY OF NOT LESS THAN 90%.
5. BACKFILL SHALL BE PER SECTION 217 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BACKFILL ABOVE PIPE ZONE FOR WATER MAINS SHALL BE ¾ SACK SLURRY.
6. IF TRENCH IS WITHIN 4 FEET OF CURB OR GUTTER, GRIND PAVING 0.15' TO EDGE OF PCC OR REMOVE AND REPLACE AC TO EDGE OF PCC GUTTER/ CURB, AC TO BE REPLACED TO A SMOOTH JOIN WITH EXISTING, MAXIMUM ¼" / 10' DEVIATION FROM TRUE.
7. EXISTING PAVEMENT SHALL BE SAWCUT TO CLEAN STRAIGHT LINES IN A RECTANGULAR PATTERN PRIOR TO REMOVAL. PCC SURFACES TO BE JOINED WITH NEW PCC SHALL BE STRAIGHT AND TRUE AND PREPARED WITH CONCRETE BONDING MATERIAL APPROVED BY THE ENGINEER.

7 DS-1 TYPICAL TRENCH
NOT TO SCALE



COLLAR WYE SADDLE

CUT IN WYE

SECTION A-A
LATERAL DETAIL

SECTION B-B
CONC. ENCASEMENT

LATERAL DIAMETER INCHES	LATERAL DIMENSIONS INCHES A	B	C
4	2 ½"	1 ½"	6 ½"
6	3"	1 ½"	9"

NOTES:

1. HOLE FOR THE COLLAR WYE FOR SEWER SADDLE TO BE MADE WITH PURPOSE TAPPING TOOL. HOLE TO BE REAMED AND SANDED TO TRUE SHAPE AND NEAT MATING SURFACE FOR WYE.
2. SECURE WYE SADDLE WITH EPOXY APPROVED FOR JOINING VCP (ENGINEER APPROVAL REQUIRED).
3. AFTER INSPECTION AND ACCEPTANCE BY ENGINEER/ AGENCY REPRESENTATIVE SADDLE CONNECTION TO BE ENCASED WITH MINIMUM 6" CONCRETE (520-C-25000).
4. PROTECT EXISTING AGAINST ENTRY OF DEBRIS FROM CONNECTION. FAILURE TO PREVENT DEBRIS ENTRY REQUIRES SEWER REACH TO BE CLEANED AT CONTRACTOR EXPENSE.
5. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.

8 DS-1 SEWER WYE CONNECTION
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

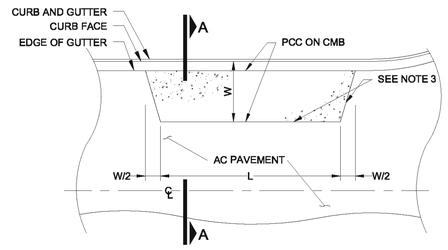
DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

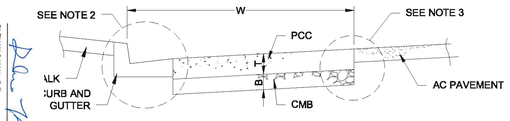
DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-1
SHEET 15 OF 17 SHEETS

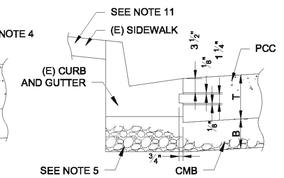
G:\CES PROJECTS\Compton_Sewer_CIP_10-18 and CIP 10-01\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWERS\DS1-DS1.dwg 10/04/16 1:25pm



TYPICAL BUS PAD

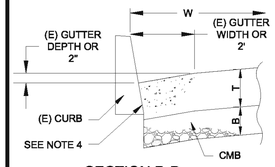


SECTION A-A

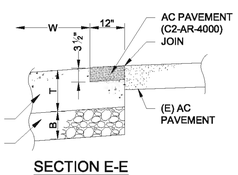


SECTION B-B

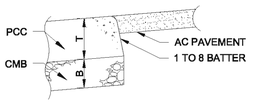
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

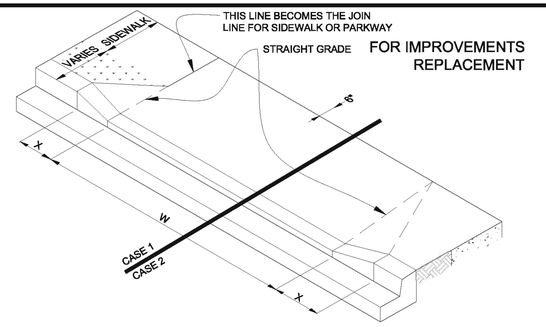
CONSTRUCTION NOTES:

1. DIMENSIONS: (UNLESS OTHERWISE SHOWN)
   L= 85' T= 8"
   W= 10' B= 6"
2. USE SECTION B-B FOR EXISTING CURB AND GUTTER THAT IS TO REMAIN
   USE SECTION C-C FOR NEW CURB AND GUTTER
   USE SECTION D-D FOR EXISTING CURB THAT IS TO REMAIN
3. USE SECTION E-E FOR EXISTING AC PAVEMENT
   USE SECTION F-F FOR NEW AC PAVEMENT
4. AT LOCATIONS WHERE PCC PAVEMENT WILL ABUT EXISTING CONCRETE, AN EPOXY APPROVED BY THE ENGINEER SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACES PRIOR TO CONCRETE PLACEMENT.
5. IF B+T EQUAL TO OR GREATER THAN 12", CMB SHALL EXTEND UNDER NEW CURB AND GUTTER.
6. CONSTRUCT LONGITUDINAL WEAKENED-PLANE JOINT TO MATCH ADJOINING EXISTING GUTTER WIDTH, OR 2' IF NO ADJOINING GUTTER EXISTS.
7. USE 2"x4" HEADER TO FORM 3-½" STEP. TOP OF HEADER SHALL BE SET TO LINE AND GRADE.
8. ALL EXPOSED PCC CORNERS SHALL BE ROUNDED WITH A ½" RADIUS.
9. SURFACE OF CONCRETE SHALL HAVE A ROUGH TRANSVERSE BROOM FINISH.
10. WHERE DESIGNATED BY THE ENGINEER, UNDESIRABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH CMB.
11. WHERE NEW CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING SIDEWALK, SIDEWALK SHALL BE REMOVED AND REPLACED TO NEAREST SCORELINE.
12. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT APPROXIMATELY 10' INTERVALS.
13. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT ALL EXISTING CURB/ CURB AND GUTTER CONSTRUCTION JOINTS AND WEAKENED-PLANE JOINTS.
14. AT THE OPTION OF THE ENGINEER, THE EXISTING PAVEMENT MAY BE NEATLY SAWCUT AROUND THE DIMENSIONS OF THE BUS PAD, AND CONCRETE POURED DIRECTLY USING THE EXISTING PAVEMENT AS A FORM. THE CONCRETE EDGES SHALL BE ROUNDED WITH A ½" RADIUS.
15. CONFIRM CONSTRUCTION DETAILS AND REQUEST INSPECTION FROM TRANSIT AGENCY PRIOR TO TAKING PAD OR BUS STOP OUT OF SERVICE AND DURING CONSTRUCTION AS REQUIRED BY AGENCY.

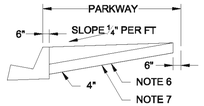
CONCRETE: MIN. CLASS 520-C-2500

5 DS-2 CONCRETE BUS PAD
NOT TO SCALE

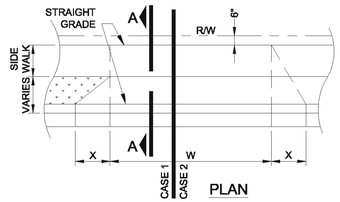
CITY OF COMPTON



FOR IMPROVEMENTS
REPLACEMENT



SECTION A-A



PLAN

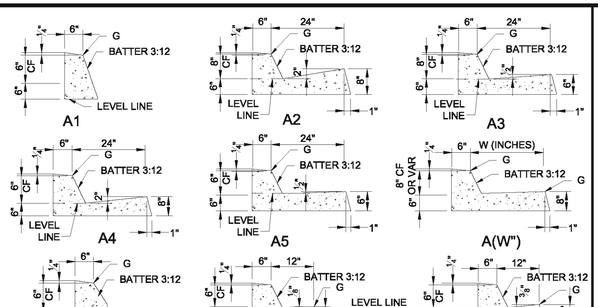
NOTES:

1. W=20' MAXIMUM WIDTH UNLESS OTHERWISE APPROVED BY DIRECTOR OF TRANSPORTATION
2. CASE 1 MAY BE USED FOR PARKWAYS LESS THAN 10 FEET
3. X= 4' WHEN CURB FACE IS 8"
4. X= 3' WHEN CURB FACE IS 6"
5. NO OBSTRUCTIONS WITHIN 2' OF TOP OF "X"
6. SEE COMPTON MUNICIPAL CODE, CHAPTER 20-22, PERMIT ORDINANCE FOR OTHER RESTRICTIONS
7. 4" MIN. CAB OR SELECT SUBBASE WITH EXPANSION LESS THAN 3% BY SOIL TEST

CONCRETE: MIN. CLASS 520-C-2500

2 DS-2 RESIDENTIAL DRIVEWAY CASE 1 & 2
NOT TO SCALE

CITY OF COMPTON



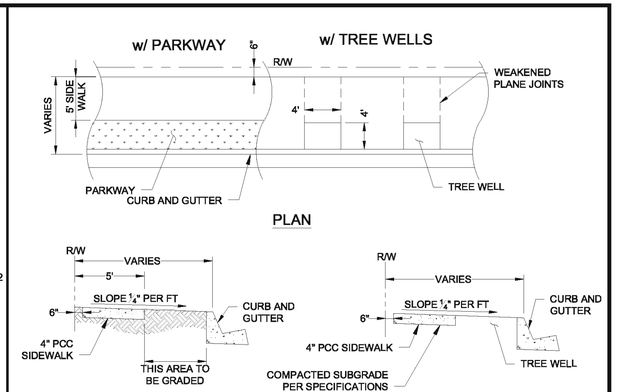
NOTES:

1. TYPE A,C BARRIER CURB
2. TYPE B,D MEDIAN CURB
3. G DESIGNATES GRADE LINE AND/ OR OFFSET POINT
4. W" DESIGNATES WIDTH OF GUTTER
5. h DESIGNATES HEIGHT OF TYPE C AND D ASPHALT CONCRETE CURB
6. TYPES C AND D ARE CONSTRUCTED OF ASPHALTIC CONCRETE (E-AR8000)
7. TYPES A,B,F ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE
8. ALL EXPOSED CORNERS ON PCC CURBS & GUTTERS TO BE ROUNDED WITH A ¾" R

CONCRETE: MIN. CLASS 520-C-2500

3 DS-2 CURB & GUTTER
NOT TO SCALE

FOR IMPROVEMENTS
REPLACEMENT



PARKWAY SECTION

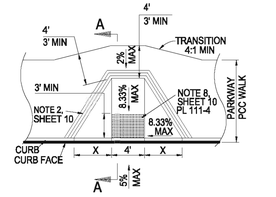
TREE WELL SECTION

NOTES:

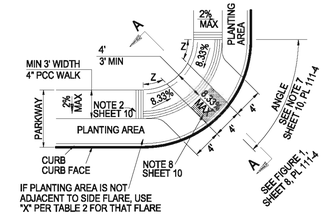
1. WEAKENED PLANE JOINTS TO BE 20' ON CENTER
2. SCORE LINES TO BE 5' ON CENTER
3. TREE WELLS SHALL BE SPACED APPROXIMATELY 50' FEET APART, BUT NOT LESS THAT 1 WELL PER RESIDENTIAL LOT
4. LOCATION OF TREE WELLS WILL BE SUBJECT TO THE FOLLOWING CONDITIONS:
   A. 50' FROM BCR ON THE APPROACH TO AN INTERSECTION AND 15' FROM THE ECR ON THE EXIT SIDE
   B. 20' FROM LIGHT STANDARDS
   C. 10' FROM FIRE HYDRANTS AND DRIVEWAYS
   D. 5' FROM HOUSE WALLS AND UTILITY METERS
5. TREE WELLS ARE TO BE BACKFILLED WITH CLEAN DIRT AND FLUSH WITH ADJACENT WALK UNTIL TREES ARE PLANTED
6. WEAKENED PLANE JOINTS TO BE 20' ON CENTER

CONCRETE: MIN. CLASS 520-C-2500

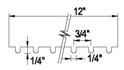
4 DS-2 SIDEWALK WITH TREE WELLS
NOT TO SCALE



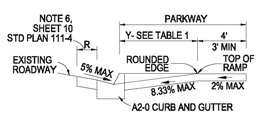
TYPE 1
CASE A



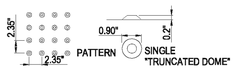
TYPE 6
CASE A



GROOVING DETAIL



SECTION A-A

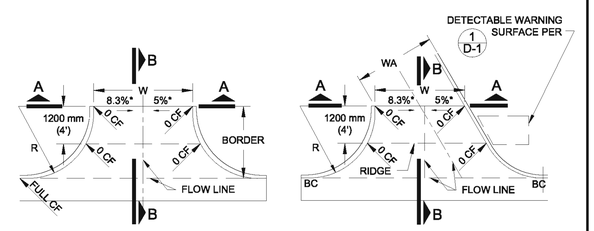


DETECTABLE WARNING DETAIL

NOTES:

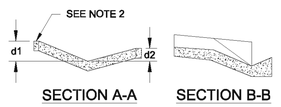
1. CONCRETE SHALL BE CLASS 520-C-2500 CONFORMING TO SPPWC 201-1.1.2 AND SHALL BE MINIMUM 4" THICK.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH ¼" GROOVES APPROXIMATELY ¾" OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS AND COLOR SHALL BE AS REQUIRED BY THE CITY AND BY THE ADA REQUIREMENTS:
   A. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN, A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
   B. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
5. CURB RAMP DETAILS, STANDARD PLAN 111-4, SHEETS 1 THRU 10, FROM THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION ARE BY REFERENCE MADE A PART OF THESE CURB RAMP DETAILS.
6. THE CASE AND TYPE REQUIRED FOR THE SPECIFIC LOCATION SHALL BE SELECTED FROM THE DETAILS SHOWN IN THE SPPWC AND THE REQUIREMENTS AND DETAILS SHOWN SHALL BE APPLIED. TYPE 1 AND TYPE 6 SHOWN ARE EXAMPLES ONLY, WORK SHALL COMPLY WITH THE COMPLETE DETAIL REQUIREMENTS IN THE SPPWC AND ADA.
7. REFERENCES ARE TO SPPWC PLAN 111-4 INCLUDING NOTES & TABLES.

6 DS-2 CURB RAMP
NOT TO SCALE



STANDARD APPROACH

ANGLE APPROACH



SECTION A-A

SECTION B-B

W mm	2400 (8')	3000 (10')	4500 (15')	6000 (20')	7500 (25')	9000 (30')
d1,mm MAX	100 (0.33')	125 (0.42')	188 (0.63')	250 (0.83')	313 (1.04')	375 (1.25')
d2, mm MIN	50 (0.17')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')

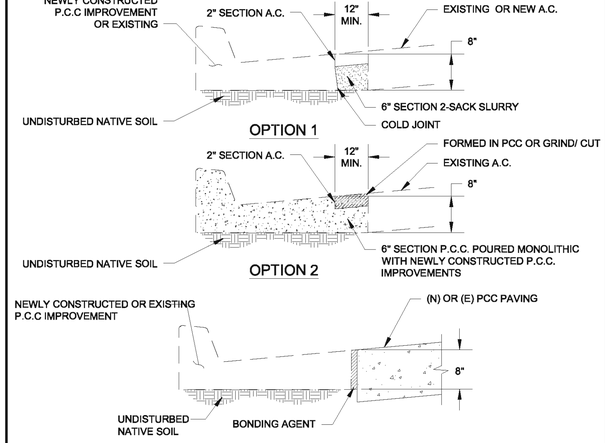
NOTES:

1. THE RADIUS OF CURB RETURN, R, IS EQUAL TO THE PARKWAY WIDTH.
2. ALLEY APPROACH SHALL BE PCC, CLASS 310-C-17 (520-C-2500), 150 MM (6") THICK.
3. ASTERISKS, *, SHOW MAXIMUM GRADES.
4. APPROACHES PER SPPWC.
5. MINIMUM 6" CAB UNDER CONCRETE, MINIMUM CONCRETE THICKNESS 6".

TYPE REPAIR - SAWCUT BONDING AGENT,
1/2" DOWELS AT 24" ALONG JOINT,
MIN. 6" PCC ON 8" CAB COMPACTED TO 95%.

7 DS-2 ALLEY APPROACH
NOT TO SCALE

CONCRETE: MIN. CLASS 520-C-2500



NOTES:

1. CONCRETE MIN 520-C-2500
2. 2" A.C. SECTION SHALL UTILIZE D1-AR-4000, 3/8" COURSE MAXIMUM.C. MIX
3. EXISTING A.C. SHALL BE SAWCUT TO PROVIDE A CLEAN JOINT LINE TO THE SATISFACTION OF THE INSPECTOR
4. THE INSPECTOR MAY REQUIRE ADDITIONAL EXISTING A.C. TO BE REPLACED TO PREVENT JOINING TO DISTRESSED PAVEMENT
5. BONDING AGENT APPROVED BY ENGINEER
6. CONTRACTOR HAS THE OPTION OF METHOD #1 OR #2 FOR AC / PCC JOIN

8 DS-2 PAVING - JOIN AT NEW OR EXISTING CONCRETE
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. KRAUSE
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

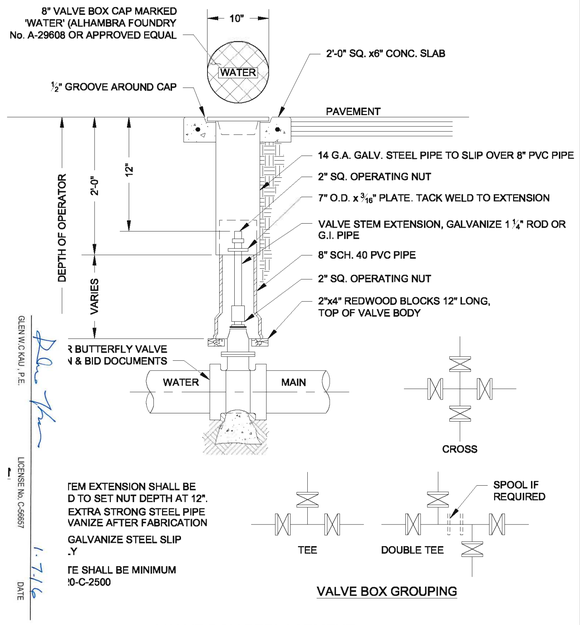
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

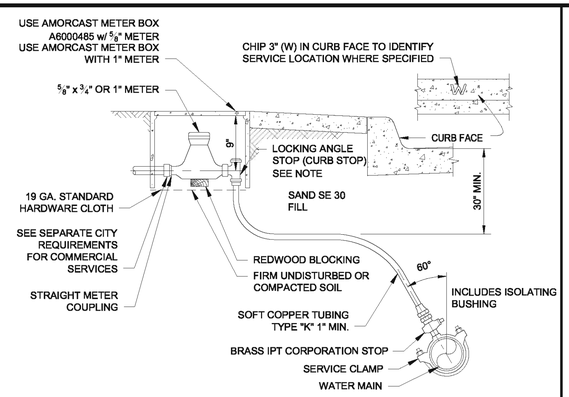
JOB No. CIP#10-18/JN120S
DRAWING No. DS-2
SHEET 16 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS2-CT6.dwg 07/09/16 11:26am



1 DS-3 VALVE BOX REPLACEMENT
NOT TO SCALE

CITY OF COMPTON



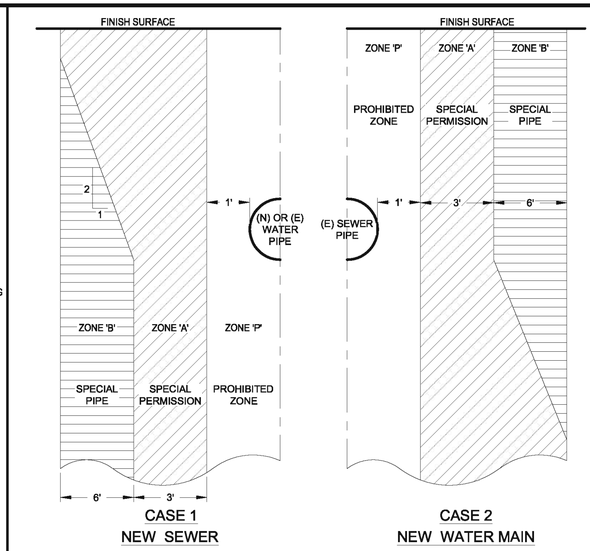
METER VALVE SIZE	CORP STOP VALVE SIZE	MIN. SIZE TUBING	MIN. RADIUS TUBING BEND	METER BOX
3/4"	1"	1"	18"	10X17X12 ARMOR CAST 12X20X12
1"	1"	1"	18"	
1 ½"	1 ½"	1 ½"	COPPER ELBOW	PER CITY OF COMPTON WATER DEPARTMENT DETAILS
2"	2"	2"	COPPER ELBOW	

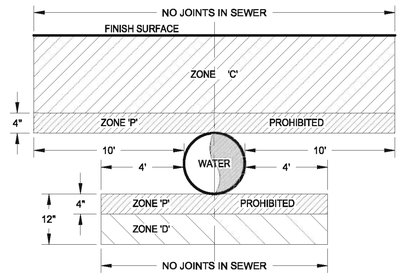
LOCKING ANGLE STOP (CURB STOP)			
MUELLER GROUND KEY ANGLE OR STRAIGHT STOP AS REQUIRED	P-14258 OR H-14255 FOR SIZES ¾" TO 1"	P-14277 1 ½" TO 2"	ALL WITH LOCK WING

NOTES:

1. REPLACE METER BOX IF DAMAGE
2. REPAIR COPPER USING SILVER PER WATER DEPT. SOLDER.
3. TEST & FLUSH BEFORE RETURN TO SERVICE.
4. ALL COMPONENTS SHALL BE LEAD FREE.

3 DS-3 WATER SERVICE
NOT TO SCALE





CASE 1
NEW SEWER CROSSING

NOTES:

1. HYDRANT SHALL BE PAINTED WITH 2 COATS OF ZINC CHROMATE PRIMER AND 2 FINISH COATS OF "SCHOOL BUS/CAUTION YELLOW" PAINT
2. RELOCATED HYDRANTS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH NOTE #1
3. CONCRETE SHALL BE MINIMUM CLASS 520-C-2500
4. FOR SHALLOW PIPE, USE FLANGE FITTINGS & FLANGE x MJ ELL (REQUIRED)
5. NEW & RELOCATED FIRE HYDRANT ASSEMBLY INCLUDES NEW TEE, VALVE, PIPE, FITTINGS, HYDRANT ASSEMBLY AND ALL IMPROVEMENTS INCLUDING TRENCH BACKFILL, PAVING IMPROVEMENTS AND RESTORATION, COMPLETE TESTED IN PLACE AND OPERATIONAL.
6. VALVE TO BE WITHIN 25 FEET OF FIRE HYDRANT.
7. FURNISH AND INSTALL BREAK-OFF CHECK VALVE FOR EACH PROPOSED HYDRANT.

5 D-3 FIRE HYDRANT
NOT TO SCALE

SIGNAGE COPY TO BE SUPPLIED BY OWNER.
QUANTITY AS SPECIFIED OR AS SHOWN.
LOCATIONS AND ORIENTATION AS DIRECTED.
MAINTAIN SIGN IN PLACE PER BID DOCUMENTS

PER CALTRANS RSP T7, RS1-RS-3 / #27

6 DS-3 PROJECT SIGN
NOT TO SCALE

NEW SEWER PARALLEL TO WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED
ZONE 'A'	SEWER SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	SEWER PLACED IN THIS ZONE SHALL BE CONSTRUCTED OF DUCTILE IRON, WITH HOT BITUMINOUS COATING AND COMPRESSION JOINTS, EXTRA STRENGTH VCP WITH COMPRESSION JOINTS, PVC WITH RING JOINTS (ASTM D3034), HDPE (AWWA C906) FUSION WELDED, OR HDPE SPIRAL REINFORCED WITH GASKET JOINTS (ASTM F-894)

NEW SEWER CROSSING WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED (NO SEWER WITHIN 4" OF WATER)
ZONE 'C'	SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT BITUMINOUS COATING AND MECHANICAL JOINTS OR CLASS 200 (DR 14 PER AWWA C900) PVC PRESSURE PIPE NO JOINTS WITHIN 8 FT. OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	SEWER SHALL BE CONTINUOUS DUCTILE IRON WITH HOT BITUMINOUS COATING AND MECHANICAL JOINT, CLASS 200 PVC PRESSURE PIPE (DR 14 PER AWWA C900), HDPE FUSION JOINTS (AWWA C906) OR ANY SEWER MAIN IN A CONTINUOUS SLEEVE
ZONE 'D'	ALTERNATE - SEPARATE PIPES WITH TEN- FOOT BY TEN FOOT, FOUR INCH THICK REINFORCED CONCRETE SLAB CENTERED ON CROSSING

NEW WATER PARALLEL TO SEWER MAIN (CASE 2)

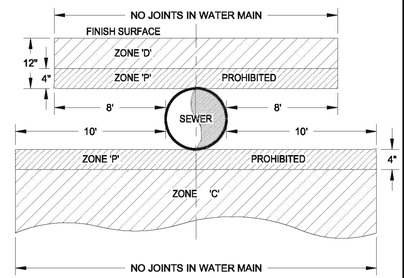
ZONE 'P'	PROHIBITED
ZONE 'A'	SPECIAL PERMISSION BY HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	PIPE SHALL BE DUCTILE IRON WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL, HDPE FUSION JOINT (AWWA C906), OR CLASS 200 PVC (DR 14 PER AWWA C900 AND C905)

NEW WATER MAIN CROSSING SEWER MAIN (CASE 2)

ZONE 'P'	PROHIBITED
ZONE 'C'	NO JOINTS IN WATER MAIN. PIPE DIPPED AND WRAPPED QUARTER WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE RATED OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	NO JOINTS WITHIN 8FT. OF SIDE OF SEWER AND BE DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE PIPE OR HDPE FUSION WELDED (AWWA C906)

NOTES:

1. THE DETAIL SHOWS CONSTRUCTION REQUIREMENTS FOR REDUCED SEPARATION OF NEW OR EXISTING WATER PIPES FROM NEW OR EXISTING SANITARY SEWERS. SEE DEPARTMENT OF HEALTH SERVICES (DOH'S) RULES FOR ADDITIONAL REQUIREMENTS AND PROXIMITY TO FORCE MAINS
2. SEWER LATERALS CROSSING UNDER WATER MAINS SHALL MAINTAIN 4" CLEARANCE
3. WATER SERVICES CROSSING SEWER MAINS SHALL NOT BE BELOW SEWER MAIN OR LATERAL
4. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL MATERIALS REQUIREMENTS (SOME ALTERNATIVE MATERIALS MAY NOT BE ALLOWED ON THIS PROJECT)
5. NEW WATER MAINS AND SEWERS SHALL BE TESTED WHERE THE PIPES ARE LOCATED TEN FEET PART OR LESS. DO NOT DISTURB EXISTING PIPELINES.
6. ALL WORK SHALL COMPLY WITH CALIFORNIA DEPARTMENT OF HEALTH SERVICES.



CASE 2
NEW WATER MAIN CROSSING

8 DS-3 PIPE SEPARATION
NOT TO SCALE

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-3
SHEET 17 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS3-C17.dwg 07/04/16 11:27:pm

INDEX MAP SHOWING SEWERS IN CITY OF COMPTON

Legend

- Compton Pipes
- Compton Manholes
- Trunk Pipes
- Trunk Manholes
- Parcels
- City Boundary

REVISED

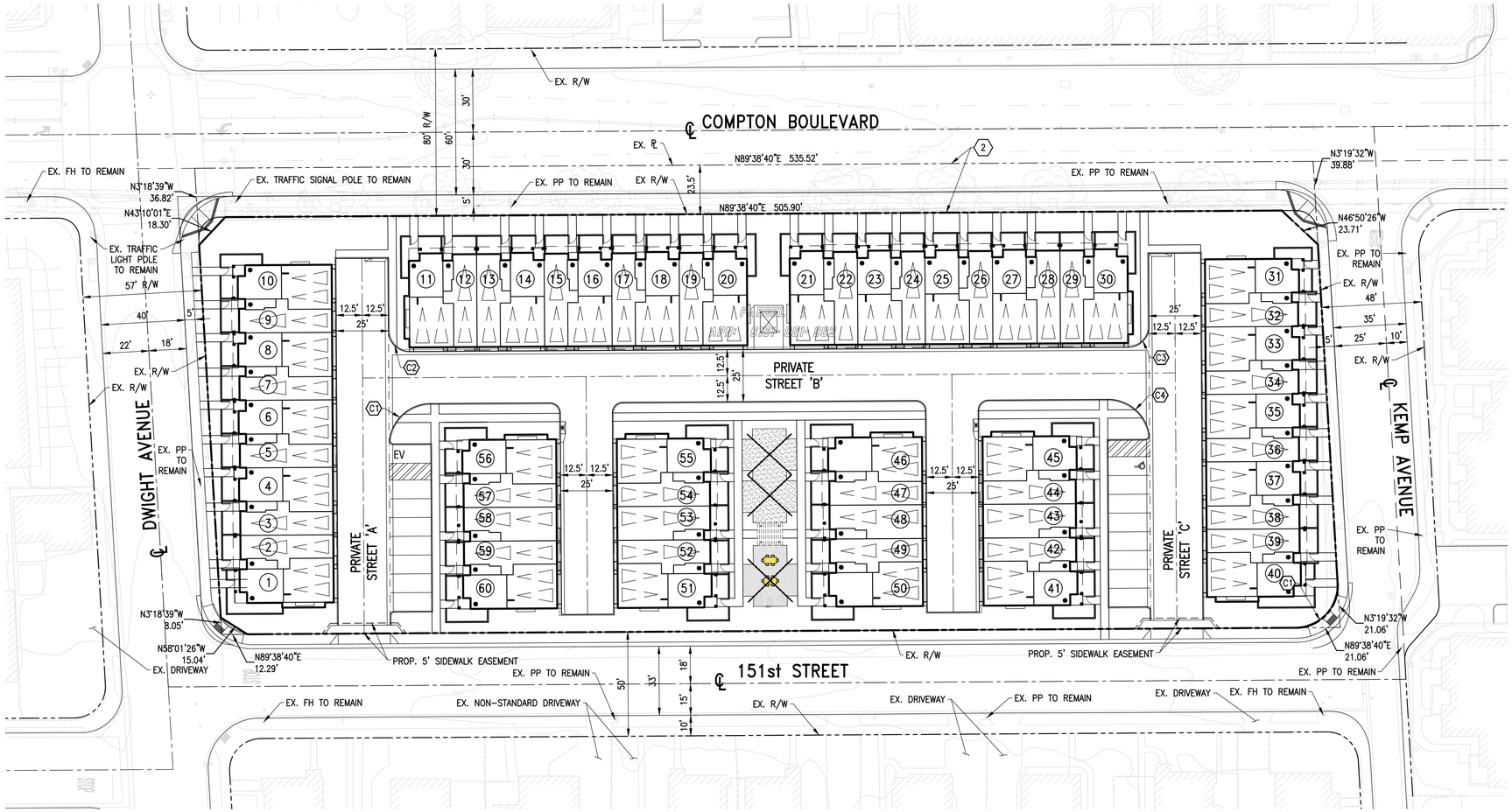
N

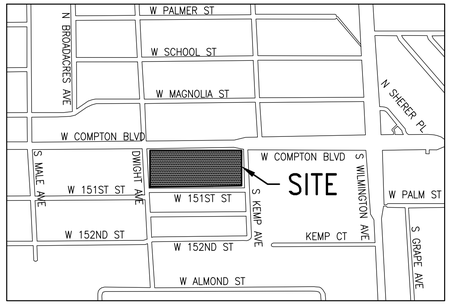
Appendix D

TENTATIVE TRACT MAP

(PROJECT SITE)

CITY OF COMPTON
TENTATIVE TRACT MAP No. 82807
FOR CONDOMINIUM PURPOSES
"CONCORD"





VICINITY MAP
N.T.S.

OWNER:

CITY VENTURES
3121 MICHELSON DR. SUITE 150
IRVINE, CA 92612
PHONE: (949) 258-7555

CIVIL ENGINEER:

C&V CONSULTING, INC.
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
PHONE: (949) 916-3800
CONTACT: DAVID TERRY

TITLE INFORMATION:

THE FOLLOWING TITLE INFORMATION WAS DERIVED FROM A PRELIMINARY TITLE REPORT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER NO.: 989-30024731-SC4 DATED JANUARY 22, 2019 AT 7:30 A.M.

# DENOTES PLOTTED ITEM.

(2) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO:	CITY OF COMPTON, A MUNICIPAL CORPORATION
PURPOSE:	PUBLIC STREET AND INCIDENTAL PURPOSES
RECORDING DATE:	AUGUST 27, 1959
RECORDING NO:	BOOK D585, PAGE 834 OF OFFICIAL RECORDS

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF COMPTON IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHERLY 223.5 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THE EASTERLY 70 FEET THEREOF.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF COMPTON, RECORDED OCTOBER 1, 1948 AS INSTRUMENT NO. 1844, IN BOOK 28405, PAGE 70 OF OFFICIAL RECORDS, AS TO PARCELS 1 AND 2 BELOW:

PARCEL 1:

THAT PORTION OF SAID LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT "G" (SAID NORTHERLY LINE BEARS NORTH 89° 58' 40 EAST), DISTANT THEREON 592.62 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF SAID LOT "G";

THENCE SOUTH 13° 19' 40" EAST, A DISTANCE OF 223.80 FEET;

THENCE SOUTH 89° 38' 40" WEST, A DISTANCE OF 30 FEET:

THENCE NORTH 13° 19' 40" WEST TO THE NORTHERLY LINE OF SAID LOT "G";

THENCE EASTERLY ALONG SAID NORTHERLY LINE OF SAID LOT "G" TO THE POINT OF BEGINNING TO BE KNOWN AS KEMP STREET.

PARCEL 2:

THE WESTERLY 27 FEET OF THE NORTHERLY 223.50 FEET TO THE NORTHWEST QUARTER OF LOT "G" OF TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TO BE KNOWN AS DWIGHT STREET.

EXCEPT THEREFROM ALL OIL, GAS, MINERAL AND HYDROCARBON SUBSTANCES LYING BEING A DEPTH OF 500 FEET FROM THE SURFACE OF SAID LAND, WITHOUT RIGHT OF SURFACE ENTRY, WHICH RIGHT IS RESERVED IN THE DEED FROM ROBERT L. HOROWITZ AND ELEANOR HOROWITZ, HIS WIFE, CLARENCE K. HOROWITZ AND ROSALIE H. HOROWITZ, HIS WIFE, AND FREDERICK G. HOROWITZ AND BARBARA J. HOROWITZ, HIS WIFE, RECORDED MARCH 3, 1970 AS INSTRUMENT NO. 215 OF OFFICIAL RECORDS.

APN(S): 6161-001-902

SHEET INDEX:

1 TENTATIVE MAP
2 CONCEPTUAL SITE PLAN
3 SECTIONS
4 CONCEPTUAL GRADING PLAN
5 CONCEPTUAL UTILITY PLAN

ABBREVIATIONS:

AC	ASPHALT CONCRETE
ASPH	ASPHALT
BLDG	BUILDING
CB	CATCH BASIN
CF	CURB FACE
℄	CENTER LINE
CO	CLEAN OUT
CONC	CONCRETE PAVEMENT
DW	DOMESTIC WATER
EX	EXISTING
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GV	GATE VALVE
INV	INVERT
LAT	LATERAL
MH	MANHOLE
NTS	NOT TO SCALE
OH-E	OVERHEAD POWERLINE
PP	POWER POLE
ℙ	PROPERTY LINE
PROP	PROPOSED
R	RISER
RCP	ROUNDED REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SS	SANITARY SEWER
SVC	SERVICE
S/W	SIDEWALK
ST LT	STREET LIGHT
TYP.	TYPICAL
WM	WATER METER

LEGEND:

- CENTERLINE
- EX. TRACT BOUNDARY/ RIGHT-OF-WAY LINE
- PROP. TRACT BOUNDARY / RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- EX. FENCE
- PROP. WALL
- (84) EX. CONTOUR LINE
- FIRE HYDRANT
- WATER VALVE
- EX. SEWER MANHOLE
- EX. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- PROP. BUILDING
- (17) LOT NUMBER

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA

FLOOD NOTE:

THE SUBJECT PROPERTY FALLS WITHIN "ZONE X – AREA OF MINIMAL FLOOD HAZARD" PER FEMA MAP NO. 06037C1815F, A PRINTED PANEL, EFFECTIVE SEPTEMBER 26, 2008

TOPOGRAPHY NOTE:

TOPOGRAPHY AND CONTOURS SHOWN HEREON ARE BASED ON 1' CONTOUR INTERVALS FROM AERIAL PHOTOGRAMETRY FLOWN BY C&V CONSULTING INC. ON 4/2/2019. THE RELATIVE POSITIONAL ACCURACY OF CALLED OUT IMPROVEMENTS SHOWN ON THE SURVEY IS WITHIN 0.1' OF THEIR ACTUAL LOCATIONS.

BENCHMARK STATEMENT:

LOS ANGELES COUNTY BENCHMARK NO. Y5878
ELEV: 99.944' (NAVD88 LEVELED 2005)
DESCRIBED AS: "L&T IN CB RET 4.3M(14FT) E/O BCR @ NW CORNER LONDRA BL & CENTRAL AVE"

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE BEARING OF WEST COMPTON AVENUE BEING NORTH 89°38'40" EAST AS SHOWN ON TRACT NO. 15223 FILED IN BOOK 331, PAGES 47 AND 48 OF MAPS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER.

ZONING INFORMATION

EXISTING GENERAL PLAN: MEDIUM DENSITY RESIDENTIAL
PROPOSED GENERAL PLAN: HIGH DENSITY RESIDENTIAL

EXISTING ZONING: CL – LIMITED COMMERCIAL AND P – PARKING
PROPOSED ZONING: CL – LIMITED COMMERCIAL

REQUIRED SETBACKS:
FRONT YARD – COMPTON BLVD: 15' TO BUILDING
STREET SIDE YARD – DWIGHT AVE: 5' TO BUILDING
STREET SIDE YARD – KEMP AVE: 5' TO BUILDING
REAR YARD – 151ST ST: 10' TO BUILDING

MINIMUM BUILDING SEPARATION: 8'

AREA SUMMARY:

107,051.35 SQ. FT. (2.457 AC) GROSS
106,726.73 SQ. FT. (2.450 AC) NET

DATE OF PREPARATION:

3/22/21

UTILITY PROVIDERS:

UTILITY	AGENCY	PHONE NUMBER
STORM DRAIN	CITY OF COMPTON	(310) 605-5505
SANITARY SEWER	REPUBLIC SERVICES	(800) 299-4898
WATER	COMPTON MUNICIPAL WATER DEPARTMENT	(310) 605-5524
ELECTRICITY	SOUTHERN CALIFORNIA EDISON	(800) 655-4555
TELEPHONE	AT&T	(800) 331-0500
GAS	SOCALGAS	(800) 427-2200
CATV	SPECTRUM	(866) 874-2389

SCALE: 1" = 30'
0 15 30 60

PREPARED BY:

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CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
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F. 949.916.3805
CVC-INC.NET

"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 1 of 5

PROJ: CVEN-125
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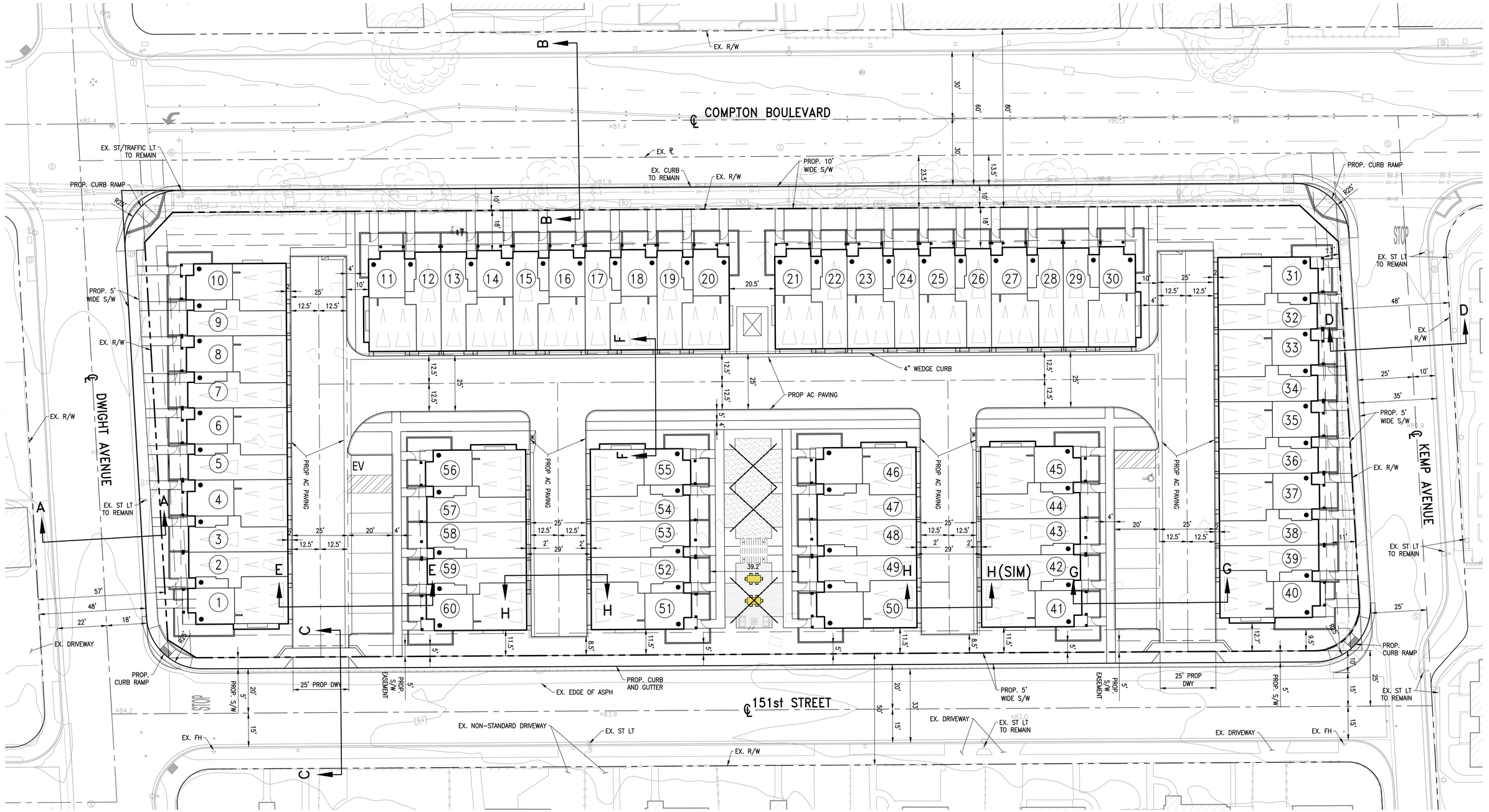
CITY OF COMPTON
CONCEPTUAL SITE PLAN



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SCALE: 1" = 20'
0 10 20 40

CONCEPTUAL SITE PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 2 of 5

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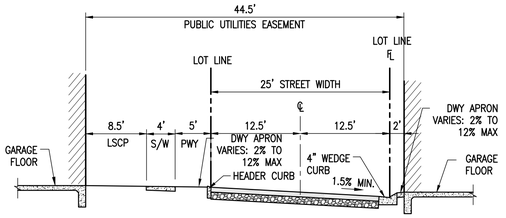
CITY OF COMPTON
STREET SECTIONS



SECTION 'F-F'
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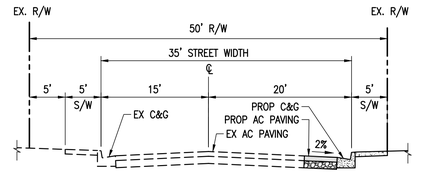

TYPICAL SECTION 'C-C'
151ST ST.
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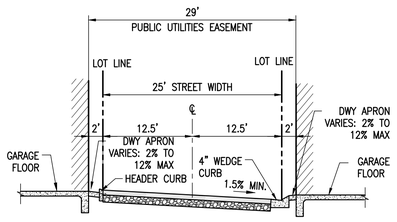

SECTION 'H-H'
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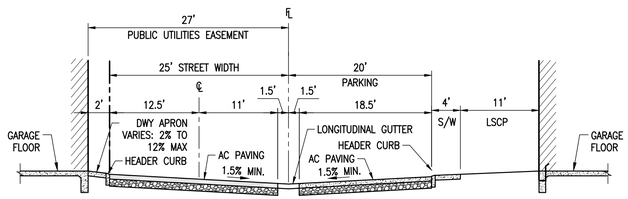

SECTION 'E-E'
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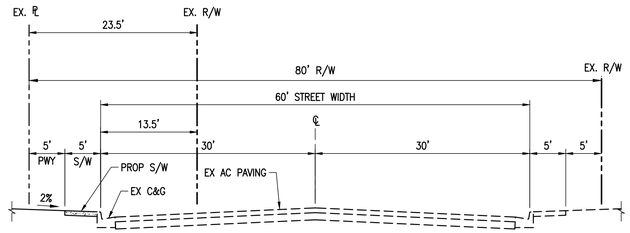

TYPICAL SECTION 'B-B'
COMPTON BLVD.
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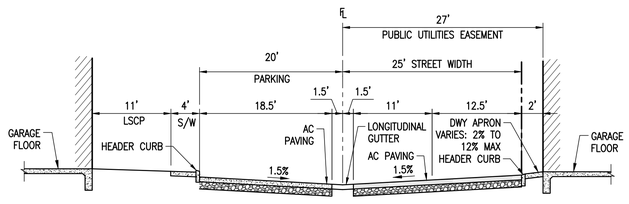

SECTION 'G-G'
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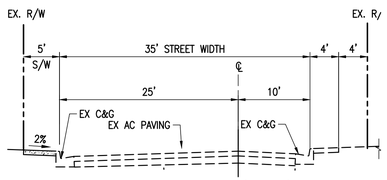

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KEMP AVE.
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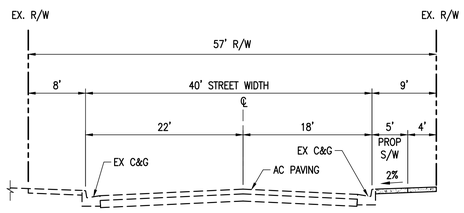

TPYICAL SECTION 'A-A'
DWIGHT AVE.
N.T.S.

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C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
T. 949.916.3800
F. 949.916.3805
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STREET SECTIONS
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 3 of 5

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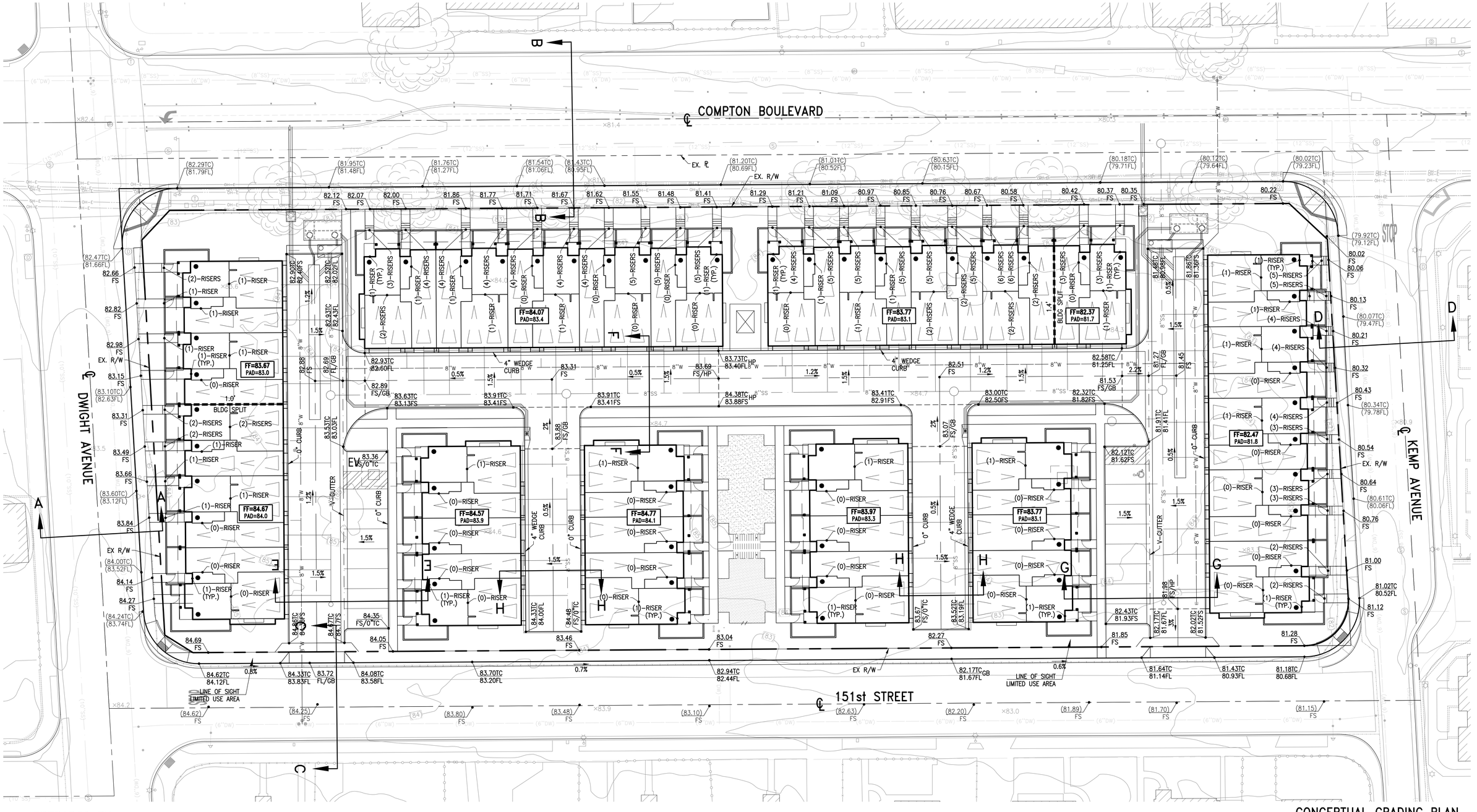
CITY OF COMPTON
CONCEPTUAL GRADING PLAN



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C&V CONSULTING, INC. CIVIL ENGINEERING LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630

T. 949.916.3800
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SCALE: 1" = 20'

0 10 20 40

CONCEPTUAL GRADING PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 4 of 5

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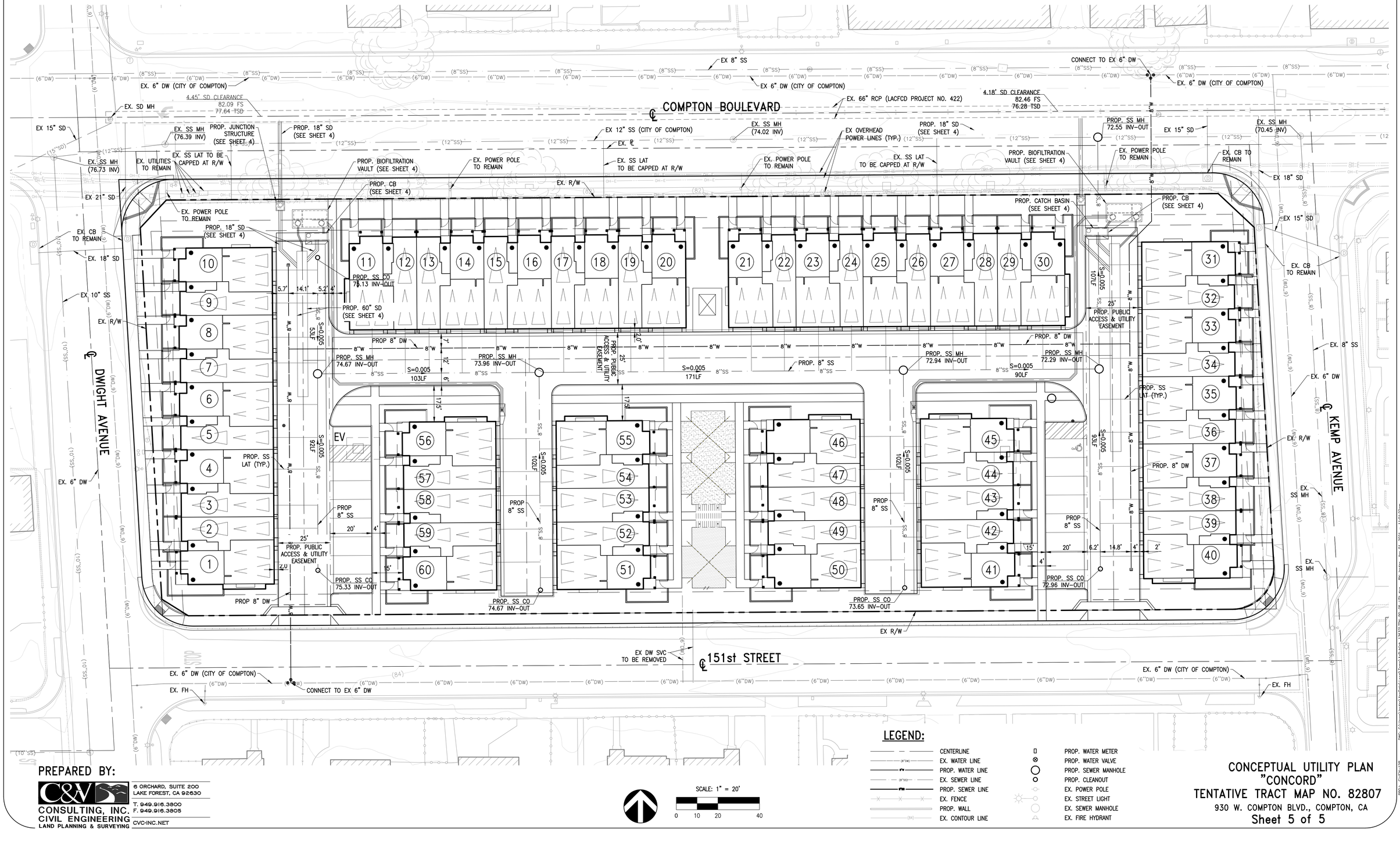
PROJ: CVEN-125

CITY OF COMPTON
CONCEPTUAL UTILITY PLAN



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CIVIL ENGINEERING
LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
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F. 949.916.3805
CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

LEGEND:

- CENTERLINE
- EX. WATER LINE
- PROP. WATER LINE
- EX. SEWER LINE
- PROP. SEWER LINE
- EX. FENCE
- PROP. WALL
- EX. CONTOUR LINE
- PROP. WATER METER
- PROP. WATER VALVE
- PROP. SEWER MANHOLE
- PROP. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- EX. SEWER MANHOLE
- EX. FIRE HYDRANT

CONCEPTUAL UTILITY PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 5 of 5

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Appendix E

LACDPW SEWER AREA STUDY GUIDELINES,

SEWER ATLAS MAP

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION

AREA STUDY

An area study must be made for all private contract sewer projects. See attached sample. The area study must include the following items:

1. Area being served - In Acres
2. Determined Tributary area to main line being designed (incl. areas of future devel.)- In Acres
3. Existing and Land Use Zoning
4. Anticipated Sewer Discharge in cfs of total area based on zoning, and/or heavy water users
5. Existing or proposed utilities if in conflict
6. Existing and proposed sewers showing pipe size and grade leading up to the trunk line in order for you to evaluate the impact of your proposed development on the existing system
7. Direction of sewer flow
8. Contour lines
9. Scale not to be less than 1"=600'
10. North arrow pointing up or to the left

ZONING COEFFICIENTS

ZONE	COEFFICIENT (cfs/Acre)
Agriculture	0.001
Residential	
R-1	0.004
R-2	0.008
R-3	0.012
R-4	0.016 *
Commerical	
C-1 through C-4	0.015 *
Heavy Industrial	
M-1 through M-4	0.021 *

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown.

The coefficient to be used for any zoned areas not listed will be determined by the County based upon the intended development and use.

The County shall determine which of the coefficients or combination of coefficients shall be used for design as determined by the established or proposed zoning in the study area. Any modifications to these coefficients due to topography, development, or hazard areas, shall be approved by the Department of Public Works.

Estimated Average Daily Sewage Flows for Various Occupancies

Occupancy	Abbreviation	*Average daily flow	
Apartment Buildings:			
Bachelor or Single dwelling units	Apt	100	gal/D.U. → 150
1 bedroom dwelling units	Apt	150	gal/D.U. → 200
2 bedroom dwelling units	Apt	200	gal/D.U. → 250
3 bedroom or more dwelling units	Apt	250	gal/D.U. → use 300 GPD per SMD
Auditoriums, churches, etc.	Aud	5	gal/seat
Automobile parking	P	25	gal/1000 sq ft gross floor area
Bars, cocktails lounges, etc.	Bar	20	gal/seat
Commercial Shops & Stores	CS	100	gal/1000 sq ft gross floor area
Hospitals (surgical)	HS	500	gal/bed
Hospitals (convalescent)	HC	85	gal/bed
Hotels	H	150	gal/room
Medical Buildings	MB	300	gal/1000 sq ft gross floor area
Motels	M	150	gal/unit
Office Buildings	Off	200	gal/1000 sq ft gross floor area
Restaurants, cafeterias, etc.	R	50	gal/seat
Schools:			
Elementary or Jr. High	S	10	gal/student
High Schools	HS	15	gal/student
Universities or Colleges	U	20	gal/student
College Dormitories	CD	85	gal/student

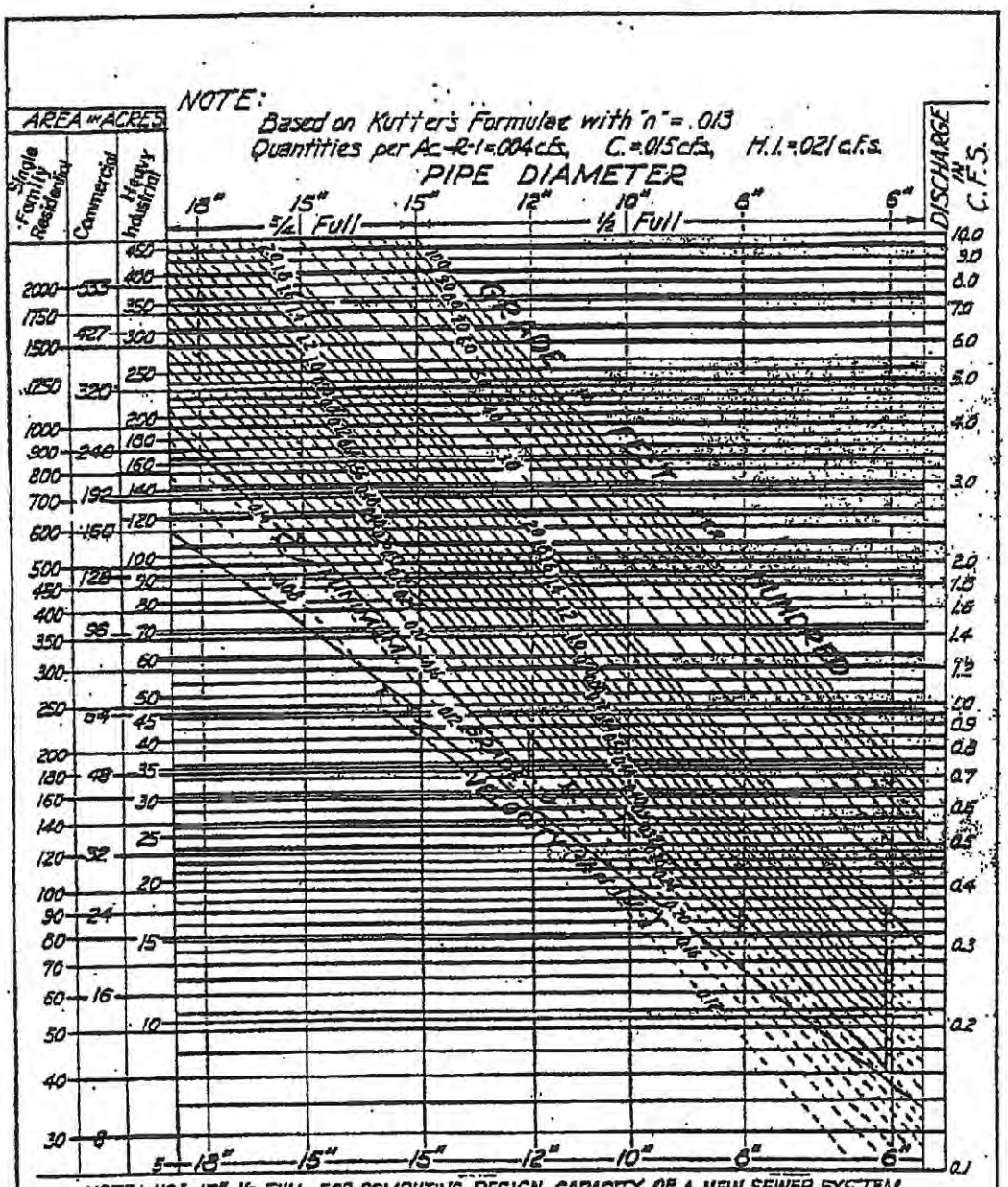
*Multiply the average daily flow by 2.5 to obtain the peak flow

Zoning Coefficients

Zone	Coefficient (cfs/Acre)
Agriculture	**0.001**
Residential+:	
R-1	**0.004**
R-2	**0.008**
R-3	**0.012**
R-4	**0.016***
Commercial:	
C-1 through C-4	**0.015***
Heavy Industrial:	
M1 through M-4	**0.021***

***Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown**

+ Use 0.001 (cfs/unit) for condominiums only



FLOW DIAGRAM FOR THE DESIGN OF CIRCULAR SANITARY SEWERS

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

ASSISTANT DEPUTY

COUNTY ENGINEER

COUNTY ENGINEER STANDARD S-C4

DATE: 3/80

DESIGN RCE 10443

Appendix F

LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

April 5, 2019

Ref. Doc. No.: 4998396

Ms. Caitlin Espinoza
Project Coordinator
C & V Consulting, Inc.
6 Orchard, Suite 200
Lake Forrest, CA 92630

Dear Ms. Espinoza:

Will Serve Letter for 930 West Compton Boulevard Residential Project

The Sanitation Districts of Los Angeles County (Districts) received your will serve letter request for the subject project on March 21, 2019. The proposed project is located within the jurisdictional boundaries of District No. 1. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Joint Outfall G Unit 5 Trunk Sewer, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently produces an average flow of 261.1 mgd.

3. The expected average wastewater flow from the project, described in the conceptual site plan as 24 homes, is 6,240 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee for the privilege of connecting (directly or indirectly) to the Districts' Sewerage System for increasing the strength or quantity of wastewater discharged from connected facilities. This connection fee is a capital facilities fee that is imposed in an amount sufficient to construct an incremental expansion of the Sewerage System to accommodate the proposed project. Payment of a connection fee will be required before a permit to connect to the sewer is issued. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and search for the appropriate link. In determining the impact to the Sewerage System and applicable connection fees, the Districts' Chief Engineer and General Manager will determine the user category (e.g. Condominium, Single

Family home, etc.) that best represents the actual or anticipated use of the parcel or facilities on the parcel. For more specific information regarding the connection fee application procedure and fees, please contact the Connection Fee Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CCA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise you that the Districts intend to provide this service up to the levels that are legally permitted and to inform you of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717.

Very truly yours,

for:

Adriana Raza
Customer Service Specialist
Facilities Planning Department

AR:ar

cc: A. Schmidt
A. Howard

Appendix G

CITY OF COMPTON ZONING MAP

ZONING
THE USE AND REGULATION OF LAND

All land in the City is divided into zones which regulate, through the Zoning Ordinance of the Compton Municipal Code, how a piece of property can be used and physically developed. These zones are designed to promote orderly development, allowing similar uses to coexist while separating incompatible uses.

1. Automatically Permitted Uses

Uses which require no special permits provided that the physical development of the site meets Municipal Code guidelines. Normal permits such as certificates of occupancy, business licenses, building permits, etc., are still required.

2. Conditionally Permitted Uses

Uses which require a special permit, called a "Conditional Use Permit", in addition to all normal permits. Some uses may be "conditionally" permitted in one zone and "automatically" permitted in another zone. Other uses require a Conditional Use Permit no matter where they are located.

The Zoning Ordinance also prohibits certain uses, either in one or more zones or Citywide. If a use is not listed as "automatically" or "conditionally permitted" in the zone or "conditionally permitted" Citywide it is prohibited.

The physical development of land (setbacks, parking, signs, fences, etc.) is also regulated by the Zoning Ordinance. Proposed development must conform to both the usage and the development requirements for the specific zone.

Zoning within the City of Compton is divided into the following designations:

The "R-A" (Residential Agriculture) Zone, which provides for one-family homes on 10,000 square foot or larger lots and certain agricultural uses.

The "R-L" (Low-Density Residential) Zone, which provides for one-family homes on 5,000 square foot or larger lots.

The "R-M" (Medium-Density Residential) Zone, which provides for one dwelling unit per 2,500 square feet on 5,000 square-foot or larger lots. More than four dwelling units require a Conditional Use Permit.

The "R-H" (High-Density Residential) Zone, which provides for one dwelling unit per 1,250 square feet on 5,000 square foot or larger lots. More than four dwelling units require a Conditional Use Permit.

City of Compton
Zoning Map

Legend

- City Limits
- RA - Residential Agriculture
- RL - Low Density Residential
- RM - Medium Density Residential
- RH - High Density Residential
- P - Parking
- PRL - Parking/Low Density Residential
- PRM - Parking/Medium Density Residential
- PRH - Parking/High Density Residential
- CL - Limited Commercial
- CM - Commercial Manufacturing
- ML - Limited Manufacturing
- MH - Heavy Manufacturing
- B - Buffer
- LAC - Los Angeles County
- UNZONED
- creek
- streetsphere

THIS MAP IS A PUBLIC RESOURCE OF GENERAL INFORMATION. THE CITY OF COMPTON MAKES NO WARRANTY, REPRESENTATION OR GUARANTY AS TO THE CONTENT, SEQUENCE, ACCURACY, TIMELINESS OR COMPLETENESS OF ANY OF THE DATABASE INFORMATION PROVIDED HEREIN. THE READER SHOULD NOT RELY ON THE DATA PROVIDED HEREIN FOR ANY REASON. THE CITY OF COMPTON EXPLICITLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE CITY OF COMPTON SHALL ASSUME NO LIABILITY FOR:

1. ANY ERRORS, OMISSIONS, OR INACCURACIES IN THE INFORMATION PROVIDED REGARDLESS OF HOW CAUSED; OR
2. ANY DECISION MADE OR ACTION TAKEN OR NOT TAKEN BY READER IN RELIANCE UPON ANY INFORMATION OR DATA FURNISHED HEREUNDER.

N

PRELIMINARY HYDROLOGY & HYDRAULICS STUDY
TTM 82807
930 W. COMPTON BOULEVARD
COMPTON, CA 90220

Project Address:
930 W. Compton Boulevard
Compton, CA 90220

Prepared For:

City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Kim Prijatel, Vice President of Development
(949) 258-7555

Prepared by:

C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
Philip Malcomson, P.E.

Prepared: August 2019
Revised: March 2021

Preliminary Hydrology & Hydraulics Study
For
Tract Map No. 82807

ACKNOWLEDGEMENT AND SIGNATURE PAGE

This Hydrology Study was prepared by C&V Consulting, Inc. under the supervision of Philip Malcomson, P.E.

_____ _____

Philip Malcomson, PE 67819 Date
C&V Consulting, Inc.

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VI. Conclusions 4
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APPENDICES

A. Vicinity Map
B. South Gate Isohyet Map
C. HydroCalc Outputs
D. Existing Conditions Hydrology Map
E. Proposed Conditions Hydrology Map
F. Hydraulic Calculations
G. Detention Calculations
H. LACDPW Allowable Q

I. Purpose

The purpose of this report is to provide quantitative information to verify the design of the storm drain infrastructure and hydrologic methodology of the project site. The values and statements within the confirm the subject site is designed and planned in accordance to the Los Angeles County Hydrology Manual and the City of Compton drainage requirements.

II. Introduction

The proposed project comprises a total of 2.45 acres and is located 930 W. Compton Boulevard, in the City of Compton (APN: 6161-001-902). The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west. Refer to Appendix A for the Vicinity Map.

The development proposes to construct 8 buildings of 60 residential units with private garages, private drive aisles, sidewalks, guest parking areas, and common landscaped areas. The project site will be accessible via two entrances/exits along W. 151st Street.

The existing site is currently vacant, pervious land. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level with a relative low point near the northeast corner of the site. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into the rights-of-way of W. Compton Boulevard and S. Kemp Avenue. Within W. Compton Boulevard and S. Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility within W. Compton Boulevard which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and ultimately the Pacific Ocean at San Pedro Bay.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground detention systems which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flowrate (Allowable Q) provided Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H for the Allowable Q provided by LACFCD.

III. Methodology

The project site's drainage was analyzed per the Los Angeles County Hydrology Manual. The existing and proposed conditions of the site were analyzed for peak flow rate and time of concentration for the 25-, 50-, and 100-year storm events based on acreage and land cover per the LACDPW HydroCalc software.

IV. Design Assumptions

1. The LACDPW HydroCalc Calculator Program was used to determine Tc, peak run-off flow rate, and run-off volumes for each subarea.

2. The property is located in the "South Gate" rainfall region, per Figure 1-H1.9 of the Hydrology Manual. A depth of 6.15 inches of rainfall was used for the 50-year storm.

3. The site is in the soil classification "003" per Figure 1-H1.9 of the Hydrology Manual.

4. The site was analyzed for a 25-year, 50-year, and 100-year storm events. Copies of the HydroCalc output data can be found in Appendix C of this report. The peak runoff values have also been incorporated into the included hydrology exhibits, which are made a part of this study.

5. Proposed storm drains will be sized to convey the 25-year storm per Section 4.3 of the Hydrology Manual.

6. The existing project site is undeveloped and was assumed to be 1% impervious based on recommended values per the Hydrology Manual.

7. The proposed project site was assumed to be approximately 86% impervious based on the development type and recommended values per the Hydrology Manual.

8. Detention Calculations were determined using the LACDPW HydroCalc output values for the 25-year storm event. Refer to Appendix G of this report for detention calculations.

V. Hydraulic Calculations

Pipe Sizing

Onsite storm drain piping will be sized for the 25-year storm event and will be analyzed based on open channel flow. Therefore, WSPG hydraulic pressure analysis is not warranted.

$Q = \frac{k'}{n} d^{8/3} S^{1/2}$ per King's Handbook

k' = 0.463
d = pipe diameter

n=0.013*
S=0.005

Pipe Diameter	Max. Q (cfs)
8"	0.854
12"	2.518
15"	4.566
18"	7.425
24"	15.991
36"	47.146

n=0.013*
S=0.010

Pipe Diameter	Max. Q (cfs)
8"	1.208
12"	3.562
15"	6.457
18"	10.501
24"	22.614
36"	66.675

*A Manning's Roughness Coefficient of 0.013 has been utilized to represent the roughness coefficient of PVC and/or HDPE piping.

Catch Basin Sizing

Catch Basin Sizing will be provided during final engineering.

100-Year Water Surface Elevation (WSE)

The elevation of the 100-year water surface will be analyzed during final engineering. Building finished floors will be set at a minimum of at least 1 foot above the 100-year WSE.

VI. Conclusions

Below is a summary of the project site existing and proposed conditions peak runoff values.

	DA	Q_{25} (cfs)	Q_{50} (cfs)	Q_{100} (cfs)
Existing Condition	X1	1.70	2.53	3.59
Proposed Condition	1	2.94	3.37	3.80
	2	3.70	4.24	4.78
	Total	6.62	7.59	8.56

Refer to Appendix C of this report for additional information and LACDPW HydroCalc output data.

Since this project proposes to drain directly to the existing LACFCD 66" storm drain facility within W. Compton Boulevard, LACDPW provided an Allowable Q of 1.10 cfs/acre of for the proposed development. The product of the Allowable Q (cfs/acre) and the acreage for each drainage area is the total Allowable Q (cfs) for each drainage area.

The onsite detention required to mitigate the proposed condition peak flowrate during the 25-year storm event to the Allowable Q was calculated by utilizing the 25-year storm event hydrographs generated by the LACDPW HydroCalc software and the total Allowable Q. The area under the hydrograph for all flowrates greater than the total Allowable Q equals the amount of detention required. The results are summarized below:

Drainage Area	Acreage	Allowable Q (cfs) (Acreage x 1.1 cfs/acre)	Required Storage (cf)	Provided Storage
1	1.085	1.194	1,243.8	70 lf of 60" pipe → 1,374.5 cf
2	1.365	1.501	1,564.8	100 lf of 60" pipe → 1,963.5 cf
Total	2.45	2.695	2,722	3,338 cf

Refer to Appendix G for detention calculations.

After the required amount of detention was determined, the orifice diameter required to mitigate the discharge rate was calculated by utilizing the following equation:

$$O = KA\sqrt{2gh}$$ per King's Handbook

Where, O = orifice outflow (cfs)
K = constant, 0.65
A = area of orifice (sf)
g = acceleration due to gravity (32.2 ft/s^2)
h = hydraulic head above orifice (60" pipe → h = 5 ft)

After solving the orifice equation for the area, the minimum required diameter for each drainage area was calculated. Orifice calculations for mitigating the 25-year storm event to the Allowable Q for each drainage area (DA) are shown below:

DA 1

Acreage = 1.085

Allowable Q = 1.194 cfs

$$A = \frac{O}{K\sqrt{2gh}}$$

$$A = \frac{1.194 \text{ cfs}}{0.65\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})}} = 0.1024 \text{ ft}^2$$

$$A = \left(\frac{\pi}{4}\right) D^2 \rightarrow D = \sqrt{\frac{4}{\pi}A}$$

$$D = \sqrt{\frac{4}{\pi}(0.1024 \text{ ft}^2)} = 0.361 \text{ ft}$$

$$= 4.33 \text{ in} \rightarrow \text{use } 4.25\text{" orifice}$$

$$O = (0.65)\left(\frac{\pi}{4}\right)\left(\frac{4.25}{12}\text{ft}\right)^2\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})} = 1.149 \text{ cfs} < 1.194 \text{ cfs}\checkmark$$

DA 2

Acreage = 1.365

Allowable Q = 1.501 cfs

$$A = \frac{O}{K\sqrt{2gh}}$$

$$A = \frac{1.501 \text{ cfs}}{0.65\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})}} = 0.1287 \text{ ft}^2$$

$$A = \left(\frac{\pi}{4}\right) D^2 \rightarrow D = \sqrt{\frac{4}{\pi}A}$$

$$D = \sqrt{\frac{4}{\pi}(0.1287 \text{ ft}^2)} = 0.405 \text{ ft}$$

$$= 4.85 \text{ in} \rightarrow \text{use } 4.75\text{" orifice}$$

$$O = (0.65)\left(\frac{\pi}{4}\right)\left(\frac{4.75}{12}\text{ft}\right)^2\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})} = 1.435 \text{ cfs} < 1.501 \text{ cfs}\checkmark$$

VII. References

1. Los Angeles County Department of Public Works (LACDPW) Hydrology Manual, January 2006.

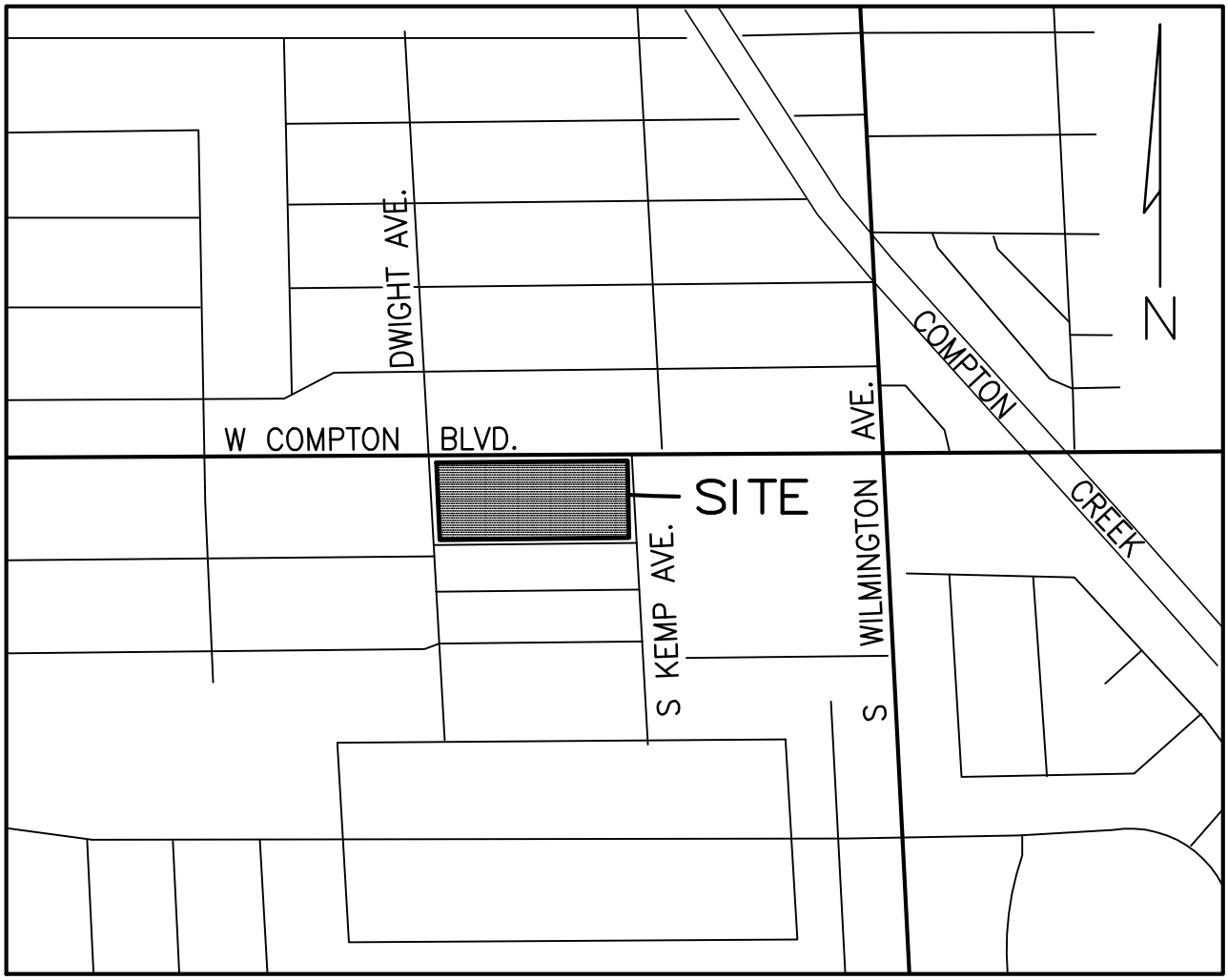
2. LACDPW HydroCalc Program was utilized to determine flow rates and time of concentrations.

3. Existing and Proposed Conditions Hydrology Maps for Tract Map No. 82807, prepared by C&V Consulting, Inc., August 2019

4. KING, HORACE WILLIAMS. HANDBOOK OF HYDRAULICS: for the Solution of Hydraulic Problems (Classic Reprint). FORGOTTEN Books, 2015

APPENDIX A

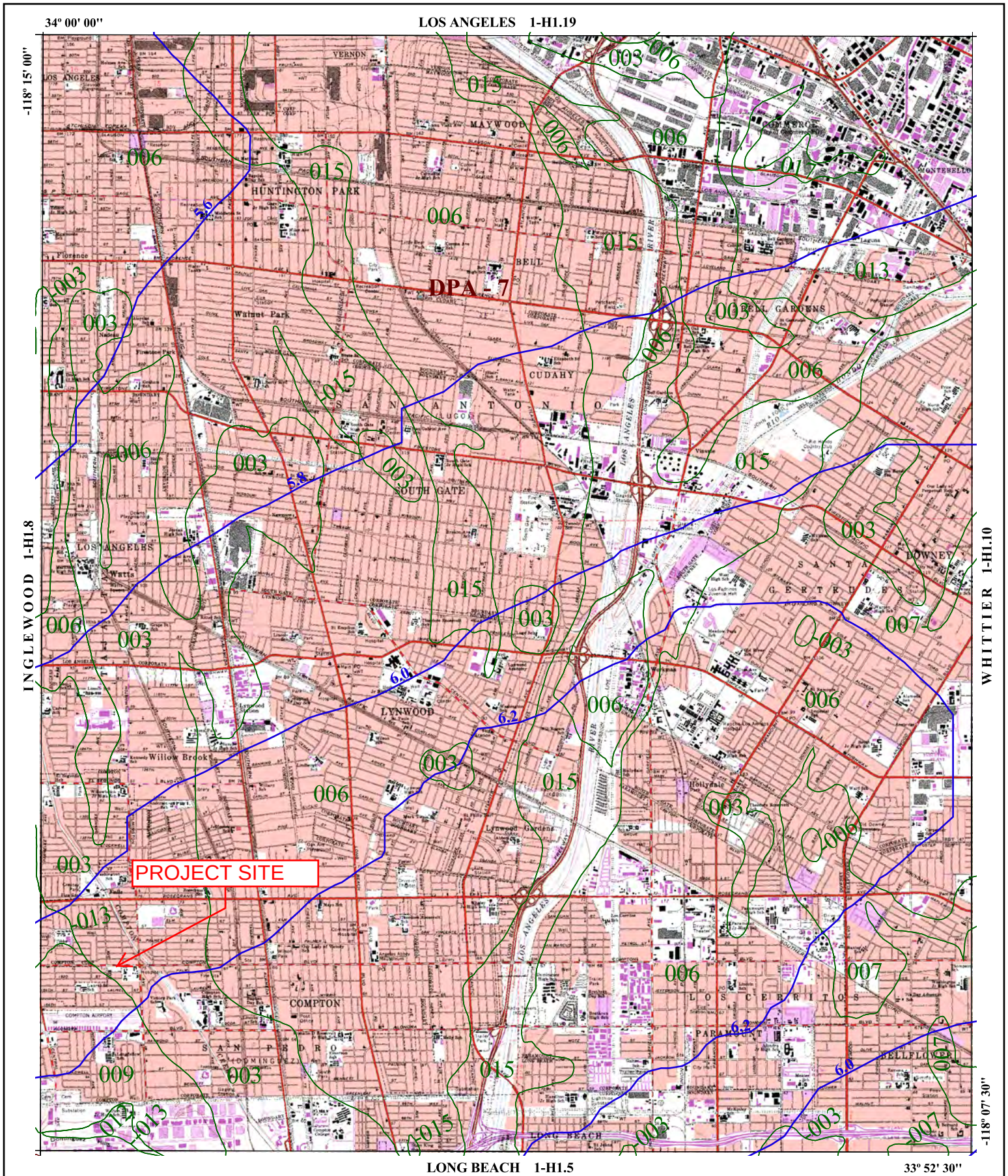
VICINITY MAP



930 W. COMPTON BOULEVARD
COMPTON, CA 90220

APPENDIX B

SOUTH GATE ISOHYETAL MAP



N
W E
S

016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

SOUTH GATE
50-YEAR 24-HOUR ISOHYET

1-H1.9

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

APPENDIX C

HYDROCALC OUTPUTS

EXISTING CONDITIONS CALCULATIONS

Peak Flow Hydrologic Analysis

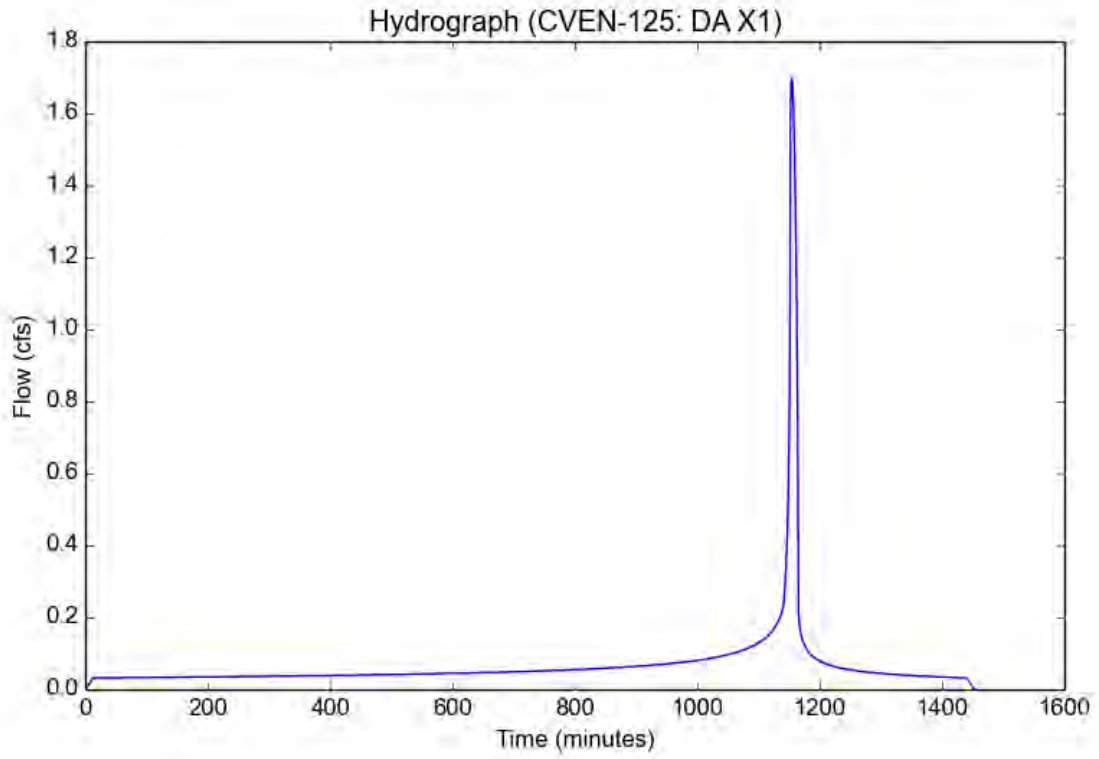
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20190812/DA X1_Q25.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA X1
Area (ac)	2.457
Flow Path Length (ft)	418.0
Flow Path Slope (vft/hft)	0.0086
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.01
Soil Type	3
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.3997
Peak Intensity (in/hr)	2.0561
Undeveloped Runoff Coefficient (Cu)	0.3303
Developed Runoff Coefficient (Cd)	0.336
Time of Concentration (min)	13.0
Clear Peak Flow Rate (cfs)	1.6973
Burned Peak Flow Rate (cfs)	1.6973
24-Hr Clear Runoff Volume (ac-ft)	0.1372
24-Hr Clear Runoff Volume (cu-ft)	5975.4147



Peak Flow Hydrologic Analysis

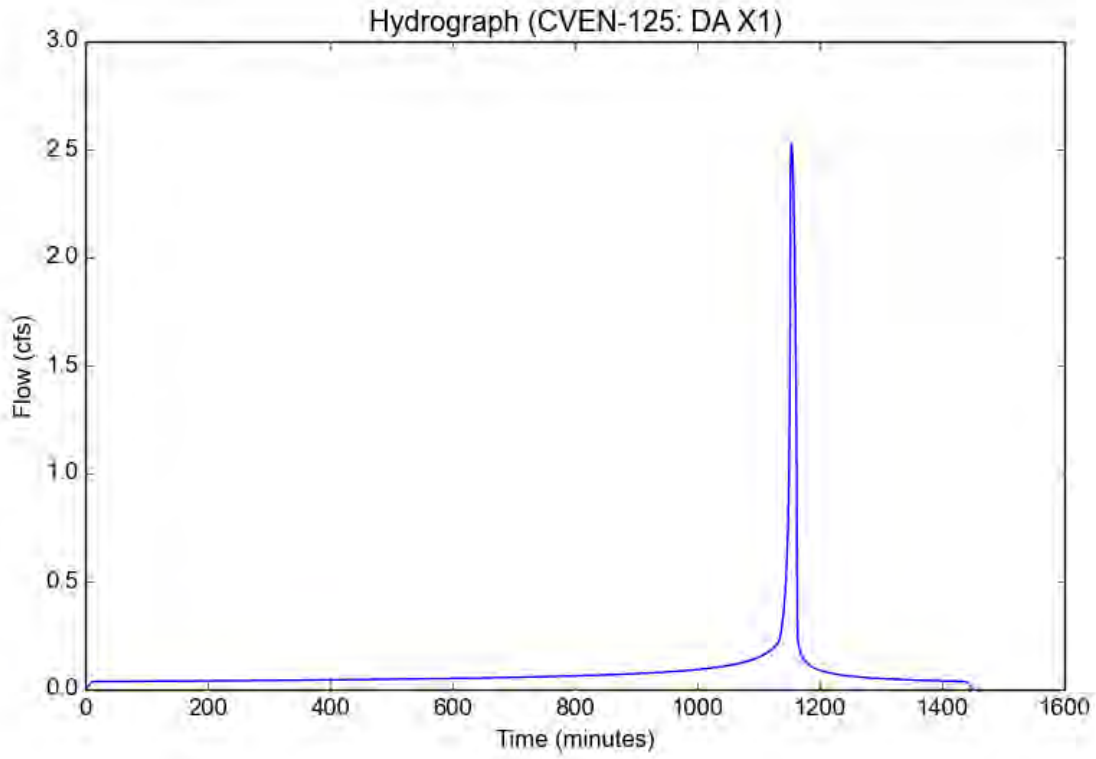
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20190812/DA X1_Q50.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA X1
Area (ac)	2.457
Flow Path Length (ft)	418.0
Flow Path Slope (vft/hft)	0.0086
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.01
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.15
Peak Intensity (in/hr)	2.533
Undeveloped Runoff Coefficient (Cu)	0.401
Developed Runoff Coefficient (Cd)	0.406
Time of Concentration (min)	11.0
Clear Peak Flow Rate (cfs)	2.527
Burned Peak Flow Rate (cfs)	2.527
24-Hr Clear Runoff Volume (ac-ft)	0.1631
24-Hr Clear Runoff Volume (cu-ft)	7102.5288



Peak Flow Hydrologic Analysis

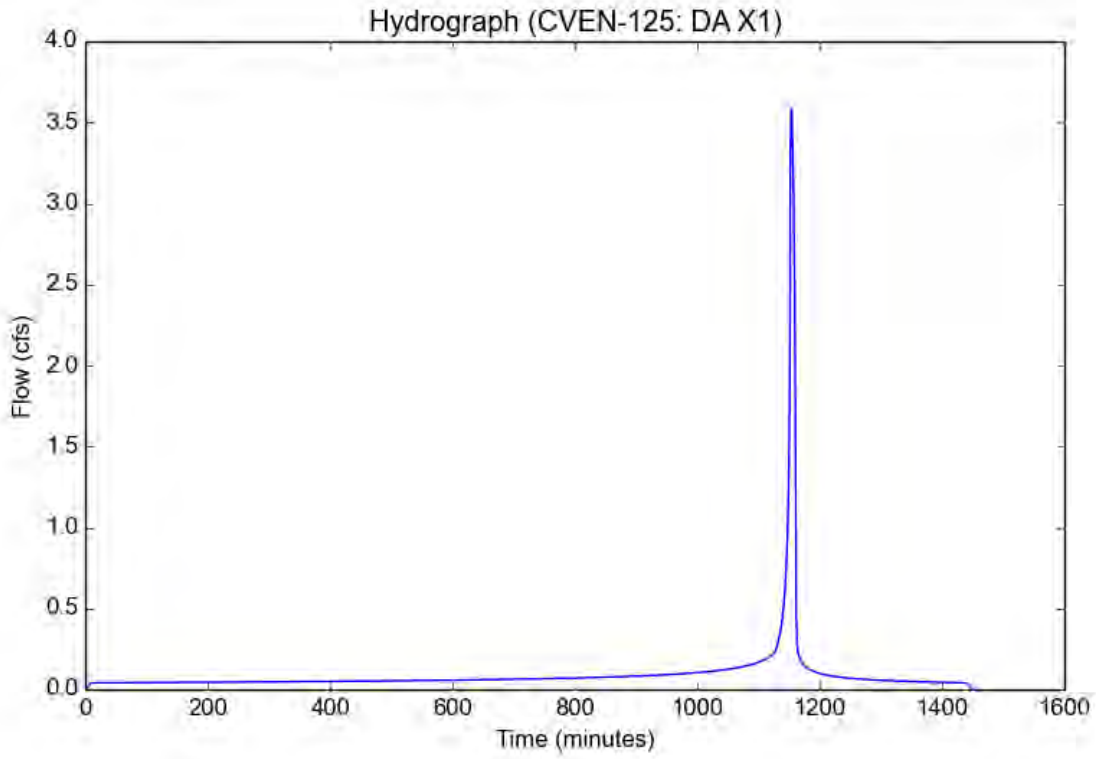
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20190812/DA X1_Q100.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA X1
Area (ac)	2.457
Flow Path Length (ft)	418.0
Flow Path Slope (vft/hft)	0.0086
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.01
Soil Type	3
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.9003
Peak Intensity (in/hr)	3.1232
Undeveloped Runoff Coefficient (Cu)	0.463
Developed Runoff Coefficient (Cd)	0.4674
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	3.5866
Burned Peak Flow Rate (cfs)	3.5866
24-Hr Clear Runoff Volume (ac-ft)	0.1901
24-Hr Clear Runoff Volume (cu-ft)	8281.9288



PROPOSED CONDITIONS CALCULATIONS

Peak Flow Hydrologic Analysis

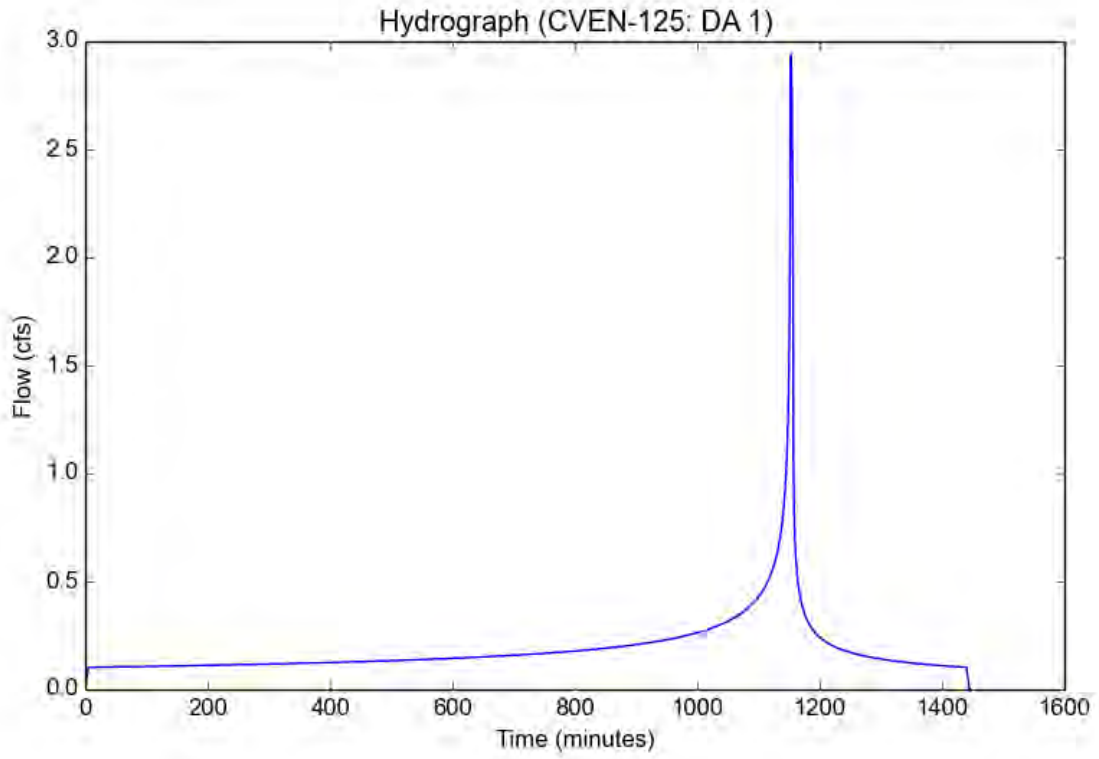
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 1, 25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.3997
Peak Intensity (in/hr)	3.2216
Undeveloped Runoff Coefficient (Cu)	0.4734
Developed Runoff Coefficient (Cd)	0.8403
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.9371
Burned Peak Flow Rate (cfs)	2.9371
24-Hr Clear Runoff Volume (ac-ft)	0.383
24-Hr Clear Runoff Volume (cu-ft)	16683.1509



Peak Flow Hydrologic Analysis

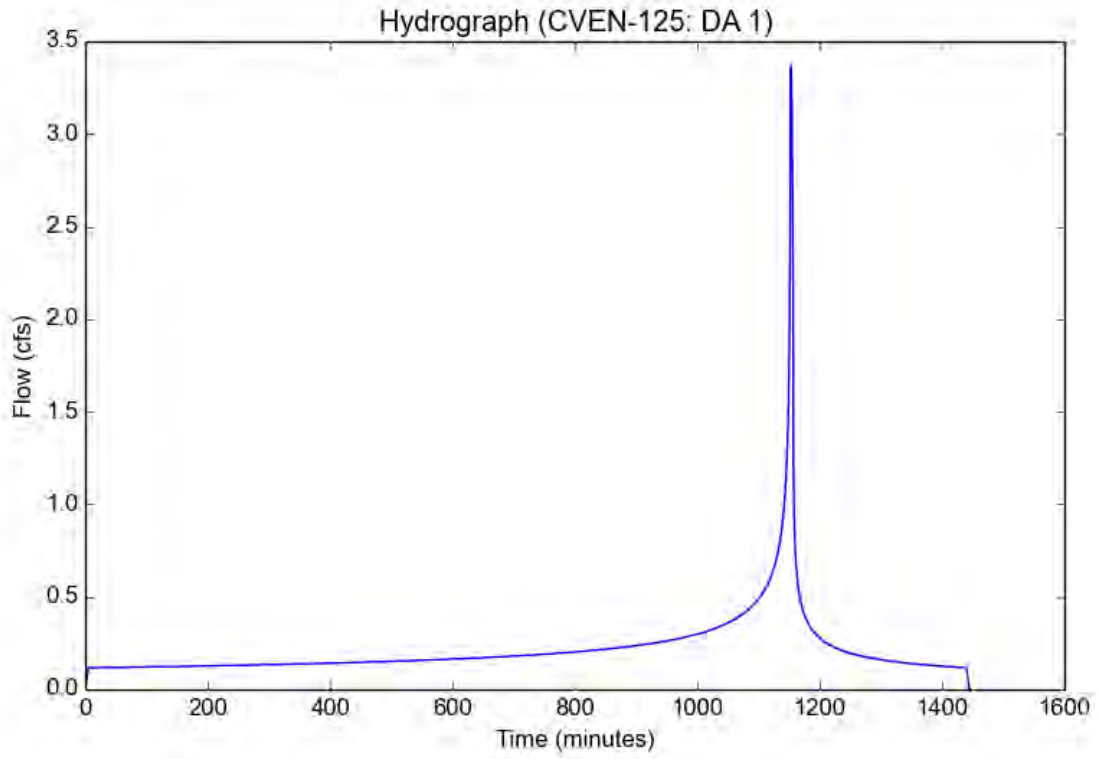
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 1, 50-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.15
Peak Intensity (in/hr)	3.6693
Undeveloped Runoff Coefficient (Cu)	0.515
Developed Runoff Coefficient (Cd)	0.8461
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.3684
Burned Peak Flow Rate (cfs)	3.3684
24-Hr Clear Runoff Volume (ac-ft)	0.4365
24-Hr Clear Runoff Volume (cu-ft)	19015.8376



Peak Flow Hydrologic Analysis

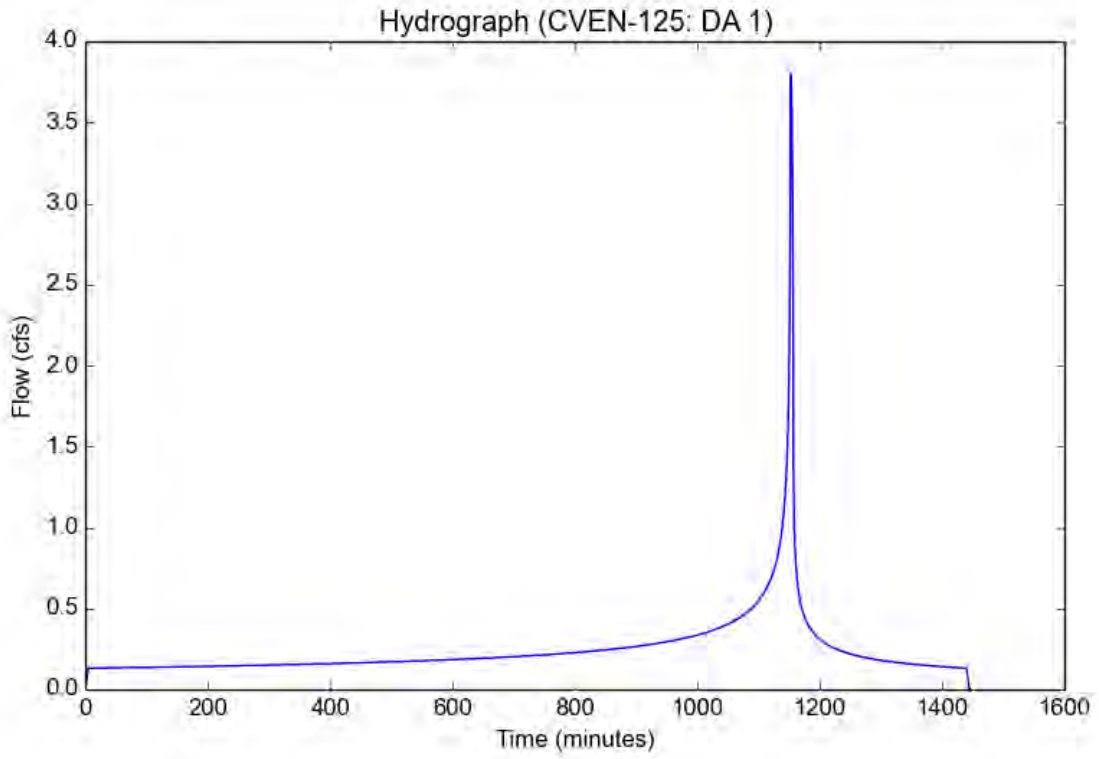
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 1, 100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.9003
Peak Intensity (in/hr)	4.1169
Undeveloped Runoff Coefficient (Cu)	0.5477
Developed Runoff Coefficient (Cd)	0.8507
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.7998
Burned Peak Flow Rate (cfs)	3.7998
24-Hr Clear Runoff Volume (ac-ft)	0.4902
24-Hr Clear Runoff Volume (cu-ft)	21351.6355



Peak Flow Hydrologic Analysis

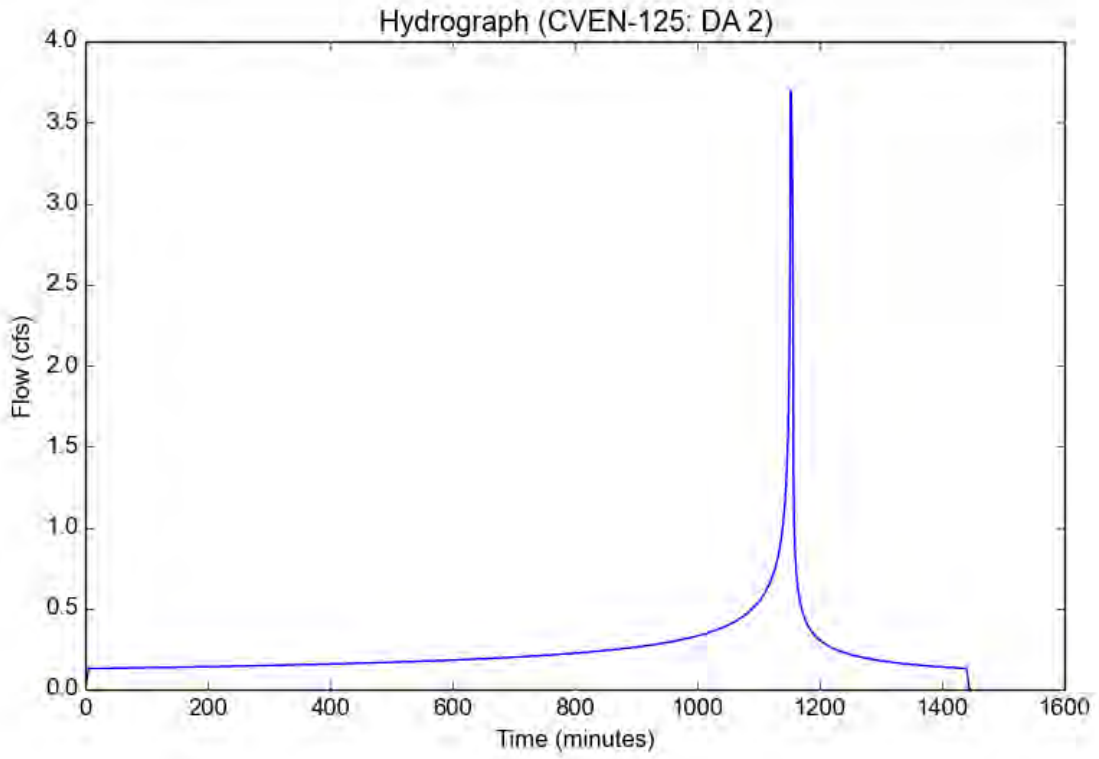
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 2, 25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.3997
Peak Intensity (in/hr)	3.2216
Undeveloped Runoff Coefficient (Cu)	0.4734
Developed Runoff Coefficient (Cd)	0.8403
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.6951
Burned Peak Flow Rate (cfs)	3.6951
24-Hr Clear Runoff Volume (ac-ft)	0.4818
24-Hr Clear Runoff Volume (cu-ft)	20988.4802



Peak Flow Hydrologic Analysis

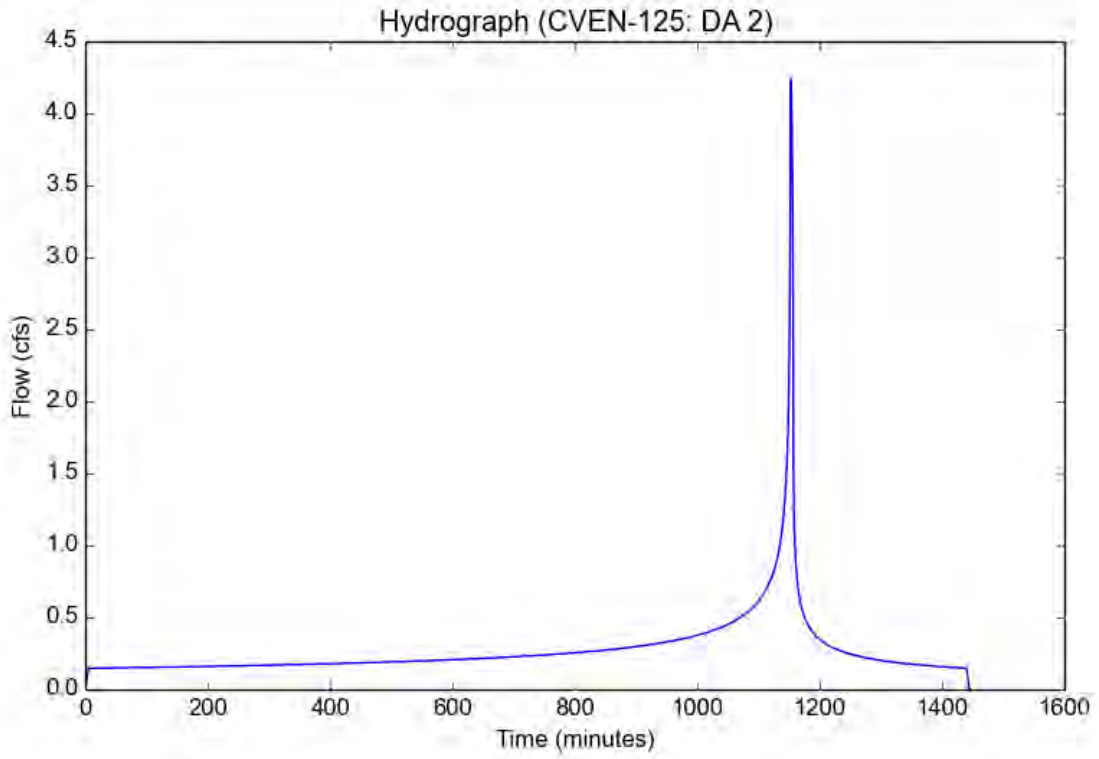
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 2, 50-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.15
Peak Intensity (in/hr)	3.6693
Undeveloped Runoff Coefficient (Cu)	0.515
Developed Runoff Coefficient (Cd)	0.8461
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	4.2377
Burned Peak Flow Rate (cfs)	4.2377
24-Hr Clear Runoff Volume (ac-ft)	0.5492
24-Hr Clear Runoff Volume (cu-ft)	23923.1505



Peak Flow Hydrologic Analysis

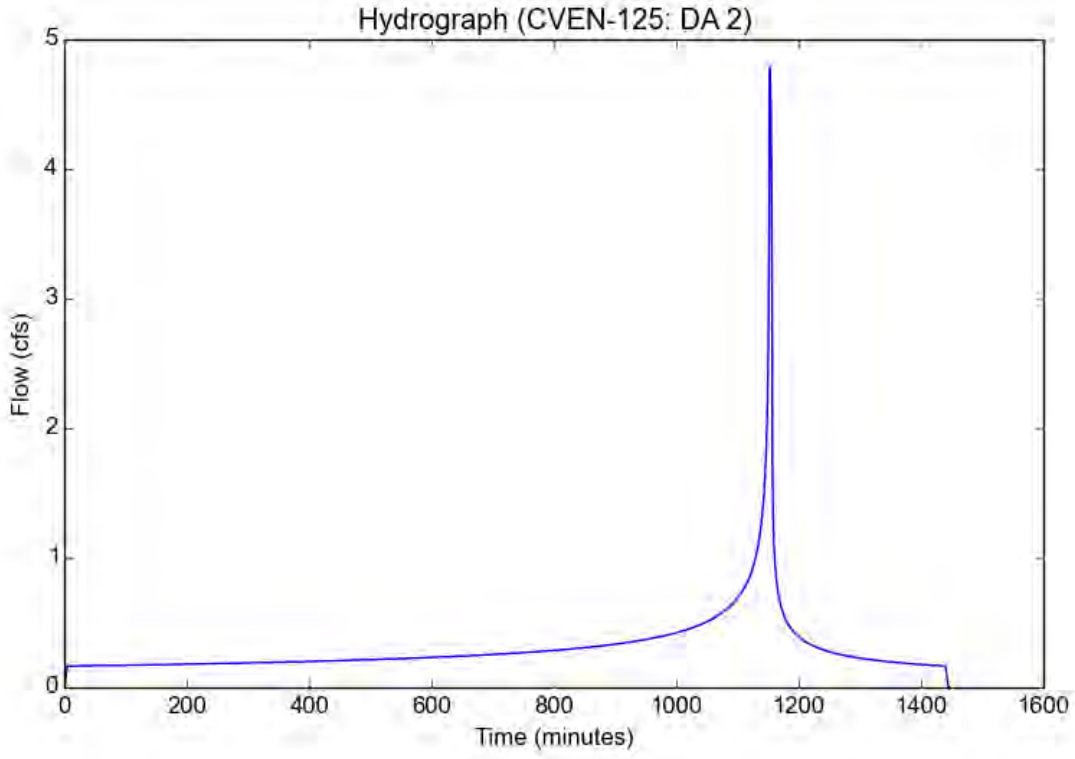
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 2, 100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

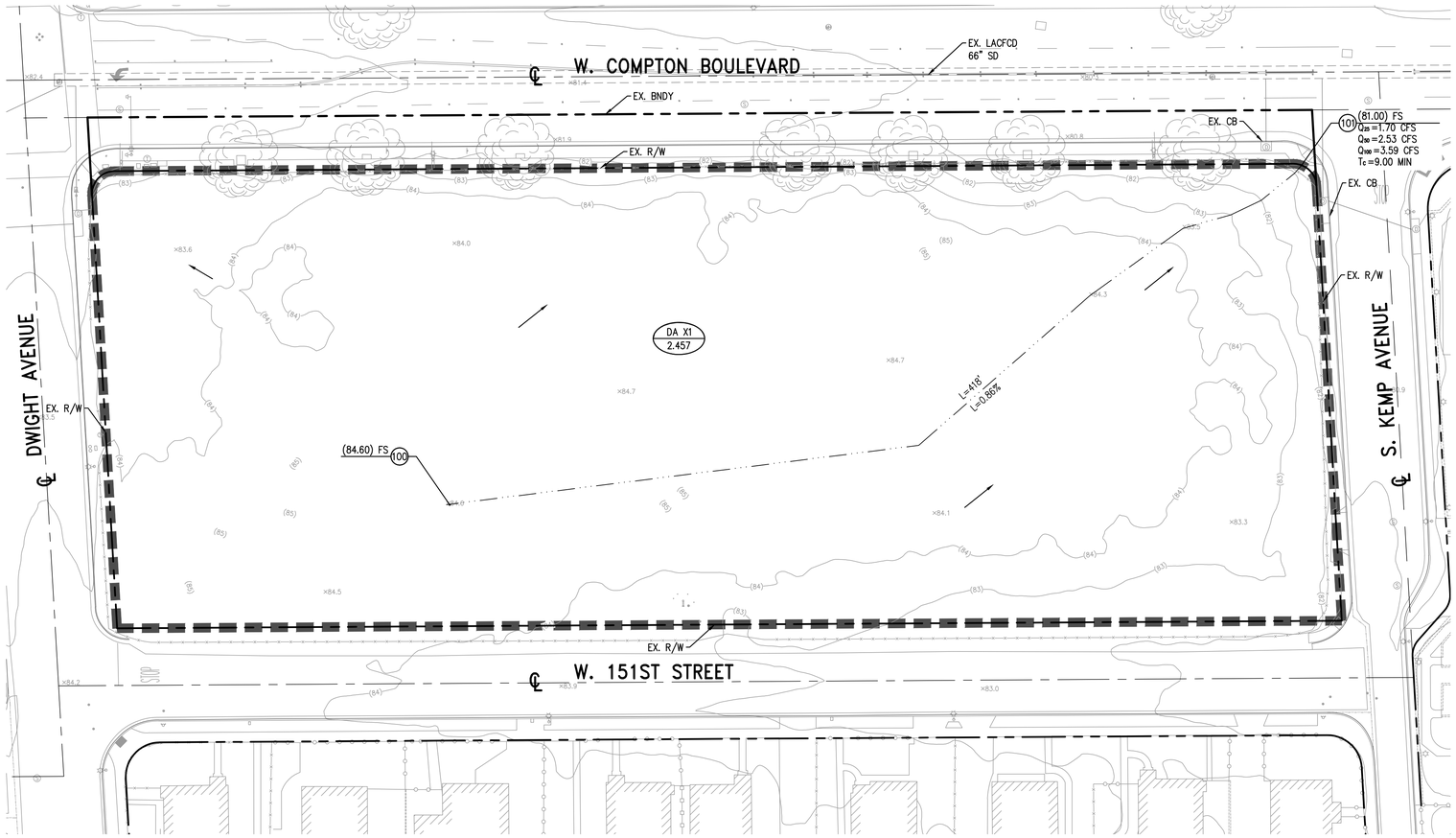
Modeled (100-yr) Rainfall Depth (in)	6.9003
Peak Intensity (in/hr)	4.1169
Undeveloped Runoff Coefficient (Cu)	0.5477
Developed Runoff Coefficient (Cd)	0.8507
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	4.7805
Burned Peak Flow Rate (cfs)	4.7805
24-Hr Clear Runoff Volume (ac-ft)	0.6167
24-Hr Clear Runoff Volume (cu-ft)	26861.735

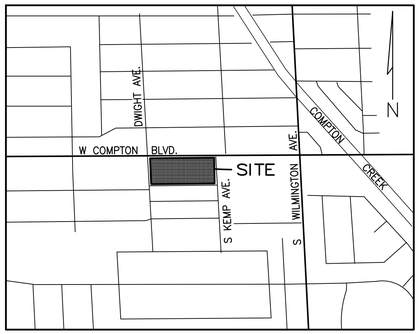


APPENDIX D

EXISTING CONDITIONS HYDROLOGY MAP

EXISTING CONDITION HYDROLOGY MAP
930 W. COMPTON BOULEVARD
CITY OF COMPTON, COUNTY OF LOS ANGELES





VICINITY MAP
NTS

LEGEND

- EXISTING RIGHT-OF-WAY/ BOUNDARY
- DRAINAGE FLOW ARROWS
- DRAINAGE AREA BOUNDARY
- X1 / X.XXX AC — DRAINAGE AREA NUMBER / DRAINAGE AREA IN ACRES
- 1 (00.00) Q100=X.XX CFS Tc=X.X MIN — SPOT ELEVATION / PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS) / TIME OF CONCENTRATION IN MINUTES (MIN)

SCALE: 1" = 30'

0 15 30 60

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

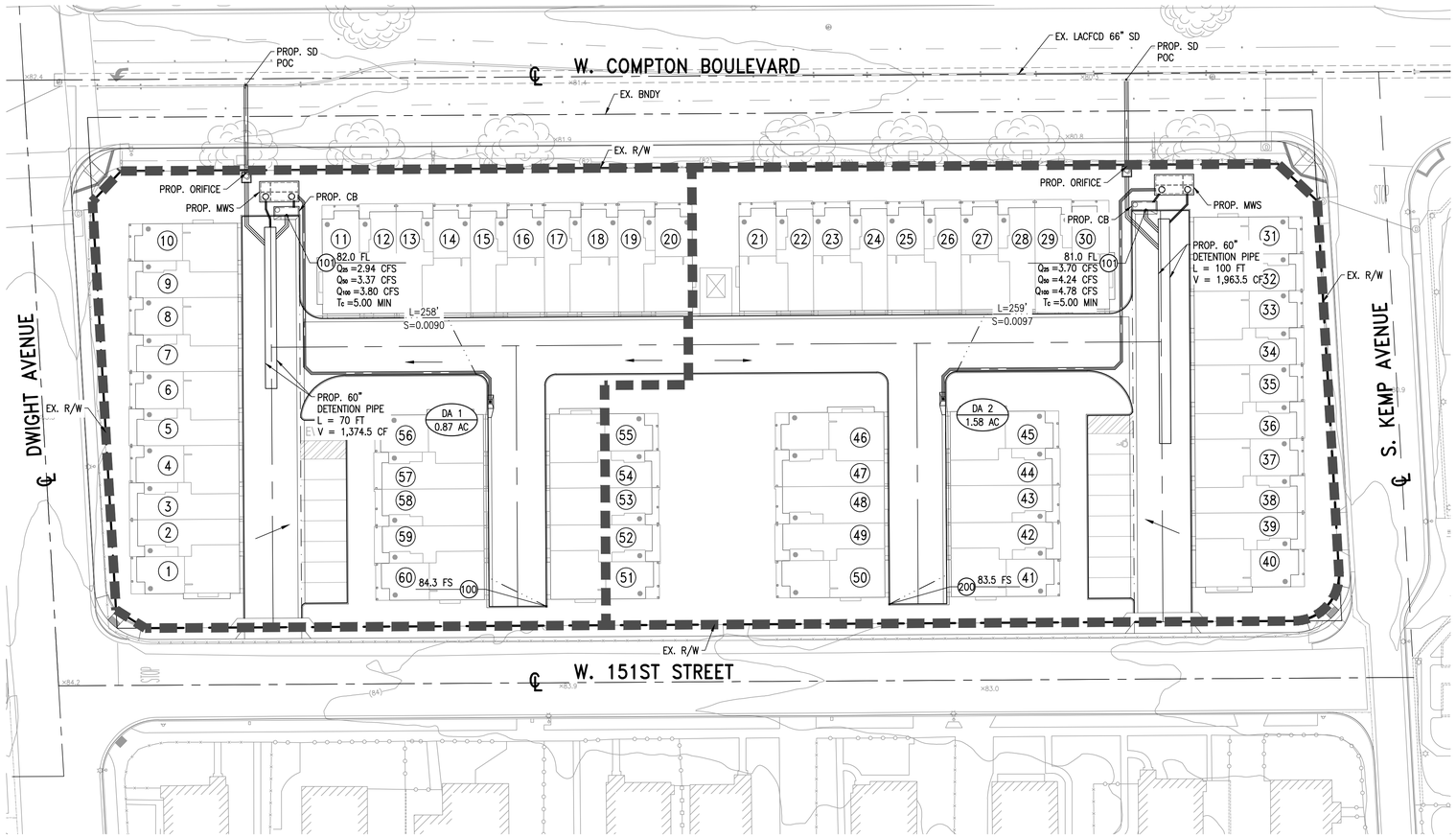
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

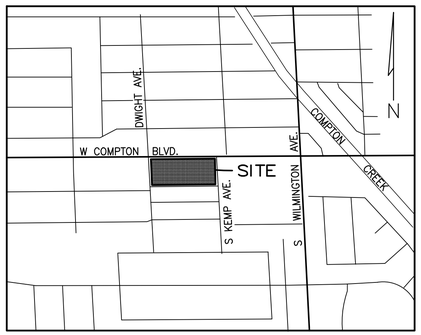
TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

APPENDIX E

PROPOSED CONDITIONS HYDROLOGY MAP

PROPOSED CONDITION HYDROLOGY MAP
930 W. COMPTON BOULEVARD
CITY OF COMPTON, COUNTY OF LOS ANGELES





VICINITY MAP
NTS

LEGEND

- EXISTING BOUNDARY
- PROPOSED RIGHT-OF-WAY/BOUNDARY
- PROPOSED STORM DRAIN
- DRAINAGE FLOW ARROWS
- DRAINAGE AREA BOUNDARY
- DA X / X.XXX — DRAINAGE AREA NUMBER / DRAINAGE AREA IN ACRES
- SPOT ELEVATION
- 1 00.00 / Q_{100}=X.XX CFS / T_c=X.X MIN — PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS) / TIME OF CONCENTRATION IN MINUTES (MIN)

SCALE: 1" = 30'

0 15 30 60

PREPARED BY:

C&V CONSULTING, INC.
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LAND PLANNING & SURVEYING
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INFO@CVC-INC.NET
WWW.CVC-INC.NET

TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

APPENDIX F

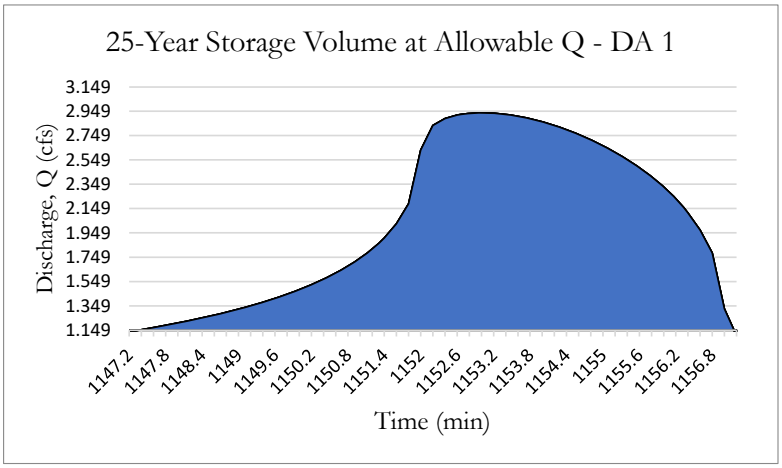
HYDRAULIC CALCULATIONS

APPENDIX G

DETENTION CALCULATIONS

DA 1 Allowable Q = (1.1 cfs/acre)(1.085 acres)
Allowable Q = 1.194 cfs
Orifice Q = 1.149 cfs
Q-25 Hydrograph - DA 1

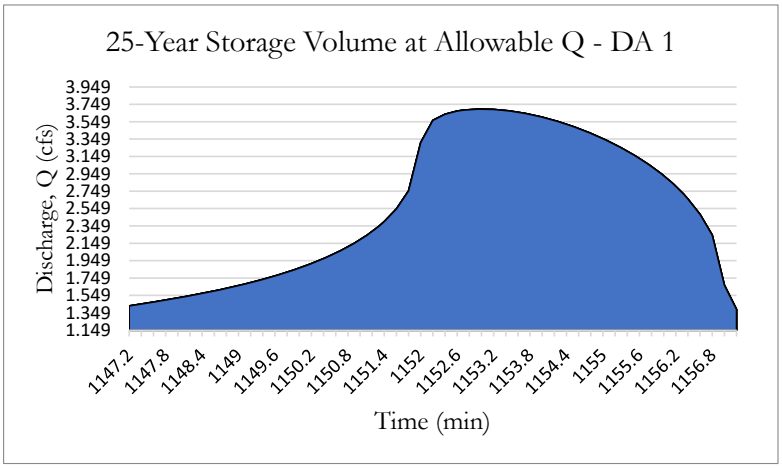
Time (min)	Q (cfs)	Area Under Curve
1147.2	1.13571056	0.228803724
1147.4	1.15232668	0.232207656
1147.6	1.16974988	0.235780088
1147.8	1.188051	0.239536127
1148	1.20731027	0.24349294
1148.2	1.22761912	0.247670144
1148.4	1.24908231	0.2520903
1148.6	1.27182068	0.256779531
1148.8	1.29597463	0.261768321
1149	1.32170858	0.267092551
1149.2	1.34921693	0.27279487
1149.4	1.37873177	0.278926538
1149.6	1.41053361	0.285549961
1149.8	1.444966	0.292742256
1150	1.48245656	0.300570885
1150.2	1.52325229	0.309133129
1150.4	1.568079	0.318612789
1150.6	1.61804889	0.329247891
1150.8	1.67443003	0.341348631
1151	1.73905629	0.355380713
1151.2	1.81475084	0.372102206
1151.4	1.90627121	0.392914857
1151.6	2.02287736	0.421119035
1151.8	2.18831299	0.481815679
1152	2.6298438	0.546287121
1152.2	2.83302741	0.572231801
1152.4	2.88929059	0.580784512
1152.6	2.91855452	0.585148703



1152.8	2.9329325	0.587005727
1153	2.93712476	0.587063586
1153.2	2.93351109	0.585697327
1153.4	2.92346218	0.583128361
1153.6	2.90782143	0.579494061
1153.8	2.88711918	0.57487988
1154	2.86167962	0.5693357
1154.2	2.83167739	0.562884499
1154.4	2.7971676	0.555526706
1154.6	2.75809947	0.547241769
1154.8	2.71431822	0.53798746
1155	2.66555638	0.527696926
1155.2	2.61141288	0.516272851
1155.4	2.55131563	0.503577329
1155.6	2.48445766	0.489414457
1155.8	2.40968691	0.47349931
1156	2.32530619	0.455357898
1156.2	2.22827279	0.434121881
1156.4	2.11294602	0.408500958
1156.6	1.97206357	0.375540707
1156.8	1.7833435	0.310819513
1157	1.32485163	0.242767733
1157.2	1.10282571	0.220565142
		20.73031274
	Volume	1243.8

DA 2 Allowable Q = (1.1 cfs/acre)(1.365 acres)
Allowable Q = 1.501 cfs
Orifice Q = 1.435 cfs
Q-25 Hydrograph - DA 1

Time (min)	Q (cfs)	Area Under Curve
1147.2	1.42879715	0.287849846
1147.4	1.44970131	0.292132213
1147.6	1.47162082	0.296626563
1147.8	1.49464481	0.301351902
1148	1.51887421	0.306329827
1148.2	1.54442406	0.311585019
1148.4	1.57142614	0.317145861
1148.6	1.60003247	0.323045216
1148.8	1.63041969	0.329321436
1149	1.66279467	0.336019661
1149.2	1.69740194	0.343193546
1149.4	1.73453352	0.35090758
1149.6	1.77454228	0.359240273
1149.8	1.81786045	0.368288644
1150	1.86502599	0.378137564
1150.2	1.91634966	0.388909421
1150.4	1.97274455	0.400835444
1150.6	2.03560989	0.414215089
1150.8	2.106541	0.429438601
1151	2.18784501	0.447091865
1151.2	2.28307364	0.468128581
1151.4	2.39821217	0.49431224
1151.6	2.54491023	0.529794915
1151.8	2.75303893	0.606155209
1152	3.30851317	0.687264443
1152.2	3.56413126	0.719904524
1152.4	3.63491397	0.730664386
1152.6	3.67172989	0.73615482



1152.8	3.68981831	0.738491076
1153	3.69509245	0.738563866
1153.2	3.69054621	0.736845025
1153.4	3.67790403	0.733613099
1153.6	3.65822696	0.729040915
1153.8	3.6321822	0.723235978
1154	3.60017758	0.716261042
1154.2	3.56243284	0.708145014
1154.4	3.5190173	0.698888437
1154.6	3.46986707	0.688465451
1154.8	3.41478744	0.676822934
1155	3.3534419	0.663876777
1155.2	3.28532588	0.649504554
1155.4	3.20971966	0.633532768
1155.6	3.12560802	0.615714962
1155.8	3.0315416	0.595692681
1156	2.92538521	0.572869614
1156.2	2.80331093	0.546153334
1156.4	2.65822241	0.51392056
1156.6	2.4809832	0.472454438
1156.8	2.24356118	0.391031
1157	1.66674882	0.305417471
1157.2	1.38742589	0.277485178
		26.08007086
	Volume	1564.8

APPENDIX H

LACDPW ALLOWABLE Q

Office Use Only
☐ Sent Initials: _____
☐ Fax ☐ Email ☐ Other: _____
Date: _____ Time: _____

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION – HYDRAULIC ANALYSIS UNIT

INFORMATION REQUEST SUMMARY

INFORMATION REQUESTED BY

*Requester's Name: Daniel Ramirez
Company: C&V Consulting, Inc.
*Phone Number: 949-916-3800 Fax Number: 949-916-3805
*Email: dramirez@cvc-inc.net

Method of Contact: ☐ Walk-in ☐ Phone ☐ Fax ☒ Email ☐ Prelim. Mtg. Date: 6/05/2019

Intended Use: Due Diligence

Proposed Project Type: Residential Acreage Involved: 2.74

*Will information be used in any litigation? ☐ YES ☒ NO
Case Info. Name: _____ No: _____ Location: _____

INFORMATION REQUESTED (Attach Assessor Map)

LACFCD Facility: Name: West Compton Storm Drain Project No. 422
Unit: _____ Line: H Station: 11+00 -18+00
City: Compton
*Street/Cross-street: Compton Blvd/ Dwight Ave
*Thomas Guide: Page: 734 Grid: G4 ☐ Site Map/Plans Submitted
Info. Requested: To determine if site is tributary to 422 facility, if so, please provide Allowable Q and any available hydraulic data.

***Required Information. See Page 2 of 2 for Instructions.**

BELOW SECTION TO BE COMPLETED BY THE HYDRAULIC ANALYSIS UNIT

INFORMATION PROVIDED:
Hydrology Data, Drainage Map, As Built Drawing, and As Built Hydraulic Calculation Data Sheet

REFERENCES SEARCHED:
Project No. 422 Files.

COMMENTS, ETC:
1- Sub Area No. 6 Allowable Q=11.8/10.7=1.10cfs/acre.

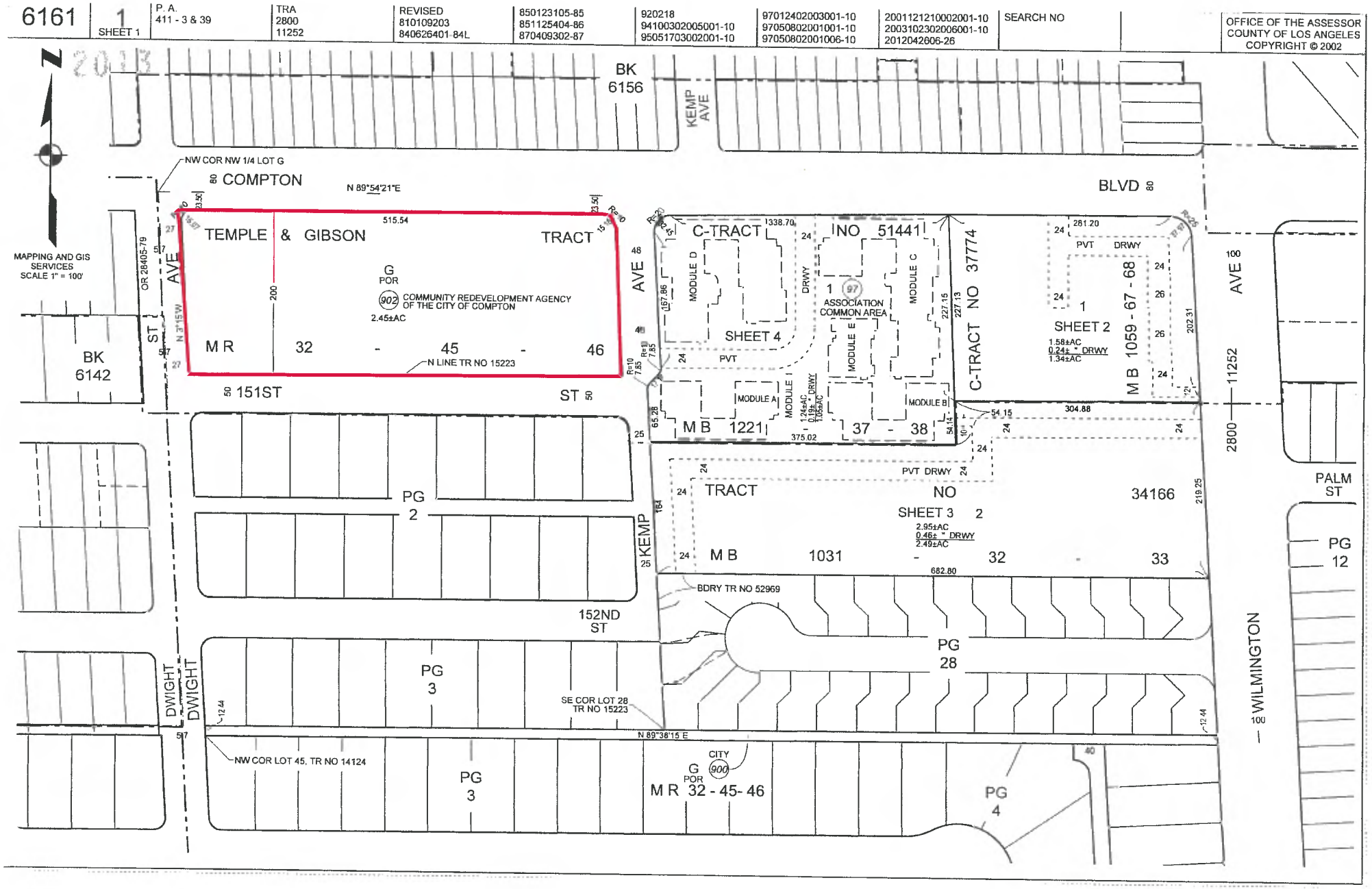
2- See attached Hydraulic Calculation Sheet to obtain Water Surface Elevation.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS DESIGN DIVISION Hydraulic Analysis Unit OFFICIAL RECORD DOCUMENT Issued By: GKA Date: 6/19/2019 Public Service That Works

INFORMATION PROVIDED BY: George K Aintablian Date: 06/19/2019

INFORMATION REVIEWED BY: Date:

Print Save a Copy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SHEET 1
P. A.
411 - 3 & 39
TRA
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SEARCH NO
OFFICE OF THE ASSESSOR
COUNTY OF LOS ANGELES
COPYRIGHT © 2002
MAPPING AND GIS SERVICES
SCALE 1" = 100'
BK 6156
KEMP AVE
NW COR NW 1/4 LOT G
80 COMPTON BLVD 80
N 89°54'21"E
515.54
TEMPLE & GIBSON TRACT
G POR
(902) COMMUNITY REDEVELOPMENT AGENCY OF THE CITY OF COMPTON
2.45±AC
M R 32 - 45 - 46
N LINE TR NO 15223
200
OR 28405-79
AVE
ST
BK 6142
50 151ST ST 50
PG 2
KEMP AVE
152ND ST
DWIGHT AVE
PG 3
SE COR LOT 28 TR NO 15223
N 89°38'15 E
NW COR LOT 45, TR NO 14124
CITY (900)
G POR
M R 32 - 45 - 46
PG 3
PG 4
C-TRACT 1338.70
INO 51441
MODULE D
MODULE C
MODULE E
MODULE A
MODULE I
MODULE B
DRWY
ASSOCIATION COMMON AREA (97)
SHEET 4
PVT
M B 1221
37 - 38
375.02
C-TRACT NO 37774
281.20
PVT DRWY
SHEET 2
1.58±AC
0.24± * DRWY
1.34±AC
M B 1059 - 67 - 68
304.88
2800 11252 AVE
PALM ST
TRACT NO 34166
SHEET 3 2
2.95±AC
0.46± * DRWY
2.49±AC
M B 1031 - 32 - 33
682.80
BDRY TR NO 52969
PG 28
PG 12
WILMINGTON
219.25
202.31

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Sht 1 of 1

Hydraulic Calculation Sheet

PROJECT # 422-LINE "A"

CALCULATED BY HLH

DATE 9-30-64

STA.	ELEV. INV.	D	ELEV. W.S.	SECTION	A	W.P. / k	R / V	Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
0+00	57.66	5.5'	68.69	80'x 7'w x 5'h	37.96	600 8	10.47	397.5	1.70	70.39	.00436							
BC 1+25.8			69.24	"	"	"		"		70.24	"	.00436	125.8	.55				
EC 1+54.8			69.59	"	"	"		"		71.29	"	"	29	.13	.22			
4+51.5			71.09	"	"	"	"	"	"	72.22	"	"	296.7	1.30	.20			
"			72.63	"	"	"	5.99	237.0	.55	73.18	.00395							
4+86.15			72.77	"	"	"	"	"	"	73.32	"	.00395	34.7	.14				
4+94.15			72.31	80' 7'w x 4'h	27.46	3820	8.63	"	1.16	73.47	.00385	.00390	8	.03			.12	
5+65.60	"		72.79	"	"	"	"	"	"	73.95	"	.00385	71.4	.28	.20			
8+94.15			74.06	"	"	"	"	"	"	75.22	"	"	328.60	1.27				
9+92.00			74.44	"	"	"	"	"	"	75.60	"	"	98	.38				
10+00			74.16	66"ϕ	23.76	3364	9.98	"	1.55	75.71	.00496	.00440	8	.03			.08	
13+00			75.65	"	"	"	"	"	"	77.20	"	.00496	300	1.49			.15	
"			75.95	"	"	"	9.48	225.2	1.40	77.35	.00447	.00447	498.40	2.23				
17+98.50			78.23	"	"	"	"	"	"	79.58	"							
" "			78.32	45"ϕ	11.04	1209	9.54	105.4	1.41	79.73	.00162							

COUNTY OF LOS ANGELES
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Plot

PROJECT 422-H

FREQUENCY 10

ISOHYETAL ZONE K

W

HYDROLO

Drainage Area Soil Dev.	A Acres	C	CA	I in/hrs.	ΔQ cfs	ΣQ cfs	S Slope	$S^{\frac{1}{2}}$	K	Section	V fp
										L =	196
M-Res.											
1	25.4	.76	19.3	1.83	35.3	35.3	.00281	.053	666	36	5.
2	8.8	.76	6.7	1.78	11.9	47.2	.00152	.039	1209	45	4.
3	10.8	.75	8.1	1.74	14.1	61.3	.00257	.0507	1209	45	5.
4, 4a	15.0	.746	11.2	1.70	19.0	80.3	.00442	.0665	1209	45	7.3
						80.3	.00637	.0798	1006	42	8.
5a	21.6	.73	15.8	1.59	25.1	105.4				Dwight A	
	84.6								L = 2275' Flat		
Re-Res											
1-b	37.0	.795	29.4	1.74	51.1	51.1	.00588	.0767	666	36	7.2
2-b	9.6	.78	7.5	1.68	12.6	63.7	.00596	.0772	825	39	7.
3-b	4.5	.78	3.5	1.66	5.8	69.5	.00477	.0691	1006	42	7.
4-b	23.5	.78	18.3	1.63	29.8	99.3	.00255	.0505	1966	54	6.
6-b	17.1	.76	13.0	1.58	20.5	119.8	.00371	.0609	1966	54	7.
7-b	2.0								Compton Blvd (Main line)		
M-Res	37		Q = 105.4 + 119.8 =			225.2	.00448	.0669	3365	66	9.
6	10.7	.72	7.7	1.53	11.8	237.0	.00496	.0704	3365	66	10.
						237.0	.00375	.0620	3823	7'0"x4'0"	8.
7, 7a, 8	172.2			1.49							
				Wilmington Ave Lateral					L = 4560'		
M-Res.											
7	86.8	.71	61.6	1.46	89.9	89.9	.00392	.0626	1436	48	7.2
7a	70.0	.71	49.7	1.46	71.6	16.15	.00384	.0620	2603	60	8.2
8	15.4	.70	10.8	1.39	15.0	176.5					
											C
	Adjust Q		$\frac{1.39}{1.49}$ (237) = 221 + 176.5 = 397.5 cfs								
1-5a						397.5	.00442	.0665	5962	7'0"x5'6"	10.

COUNTY OF LOS ANGELES
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Hydraulic Analysis Unit
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By
6-19-2019

WILSEY & HAM

HYDROLOGY CALCULATION SHEET

K	Section	v fps	At min	Et min	L feet	Elev. HGL Sect. Out	Elev. HGL Sect. In	Head Loss hf	Vel Loss or Recovry hv, hr	Junc. & Curve Loss hc, hj	Ground Line Elev.	
	L = 1960' Flat Slope				V = 4'/sec	$\frac{1960}{60\times4}$ =		8.2 Min	tc = 18.2 Min			
	Compton Blvd (Main line)											
6	36"	5.0	.8	18.2	250	88.00		-.70			91.00	
9	45"	4.3	1.0	19.0	250	87.37	87.30	-.38	h_v=+.07	h_c=-.04	90.50	
9	45"	5.5	.9	20.0	300	86.80	86.99	-.77	h_v=-.19		90.50	
9	45"	7.3	2.1	20.9	900	85.42	86.03	-3.98	h_v=-.36	h_c=-.25	90.00	
6	42"	8.3	.8	23.0	400	80.80	81.44	-2.55	h_v=-.24	h_c=-.40		
	Dwight Ave Lateral			23.8			78.25				81.30	
= 2275'	Flat Slope	V = 4'/sec			$\frac{2275}{4\times60}$	= 9.9 Min	tc =	19.9	Min			
6	36"	7.2	1.6	19.9	700	88.00		-4.11			91.00	
5	39"	7.7	.5	21.5	240	83.51	83.89	-1.43	h_v=-.12	h_c=.26	86.50	
6	42"	7.2	.6	22.1	240	82.17	82.08	-1.14	h_v=+.09		86.00	
6	54"	6.2	1.6	22.7	610	81.02	81.03	-7.56	h_v=+.16	h_c=-.17	85.50	
6	54"	7.5	.5	24.3	240	79.01	79.46	-1.89	h_v=-.27	h_c=-.18	83.00	
Hyd (Main line) cont.				24.8			78.12					
5	66"	9.5	1.2	24.8	657.7	77.19	78.12	-3.0	h_v=-.53	h_j=-.40	81.30	
5	66	10.0	.4	26.0	150	74.04	74.19	-.75	h_v=-.15		77.10	
3	7'0"x4'0"	8.5	1.0	26.4	505	73.59	73.29	-1.90	h_v=+.30		77.90	
				27.4			71.69				73.50	
L = 4560'		$\frac{1560}{4\times60}$ =	19 Min.		tc = 29.0	Min.						
6	48"	7.2	1.3	29.0	540	78.70		-2.12			82.00	
3	60"	8.2	2.3	30.3	1150	76.34	76.58	-4.42	h_v=-.24	h_c=-.22	79.50	
				32.6			71.70				73.50	
	Compton Blvd (Main line) cont'd											
2	7'0"x5'6"	10.3	.8	32.6	494	71.21	71.69	-2.20	h_v=-.48	h_j=-.32	73.50	
				33.4			68.69					

COUNTY OF LOS ANGELES
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Sheet 1 of 2
Calculated by G.W. Potter
Checked by S.I.H.
Date July 9, 1959

n	Head Loss hf	Vel Loss or Recovry hv, hr	Junc. & Curve Loss hc, hj	Ground Line Elev.				Streets & Limits	Station
	8.2 Min	tc = 18.2 Min							
								In Compton Ave	
	-.70			91.00				153rd St.	
	-.38	hr = +.07		90.50				152nd St.	
	-.77	hv = -.19		90.50				151st St.	
	-3.98	hv = -.36	hc = -.25	90.00				Compton Blvd.	
	-2.55	hv = -.24	hc = -.40						
				81.30				Dwight Ave	18+07.00
	19.9 Min								
	-4.11			91.00				Palmer & Tojouto	
	-1.43	hv = -.12	hc = .26	86.50				Palmer & Maie	
	-1.14	hr = +.09		86.00				Maie & School	
	-7.56	hr = +.16	hc = -.17	85.50				Maie & Magnolia	
	-1.89	hv = -.27	hc = -.18	83.00				Magnolia & Dwight	
	-3.0	hv = -.53	hj = -.40	81.30				Dwight & Compton	18+07.00
	-.75	hv = -.15		77.10				& Kemp St	~~10+00.00~~
	-1.90	hr = +.30		77.90				~~Kemp St.~~	~~11+49.20~~
				73.50				Wilmington Ave	4+94.15
								In Wilmington	
	-2.12			82.00				156th St.	
	-4.42	hv = -.24	hc = -.22	79.50				Laurel St.	
				73.50				Wilmington & Compton	4+94.15
	-2.20	hv = -.48	hj = -.32	73.50				Wilmington & Compton	4+94.15
								Compton Creek	0+00.00
								W.S. K50	60.63

CITY OF LOS ANGELES
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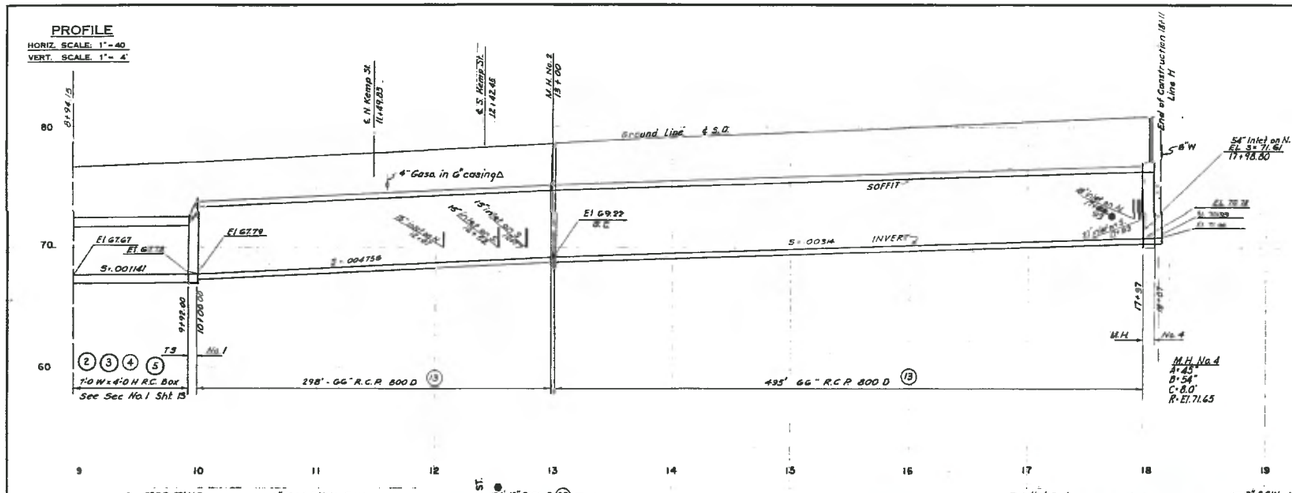
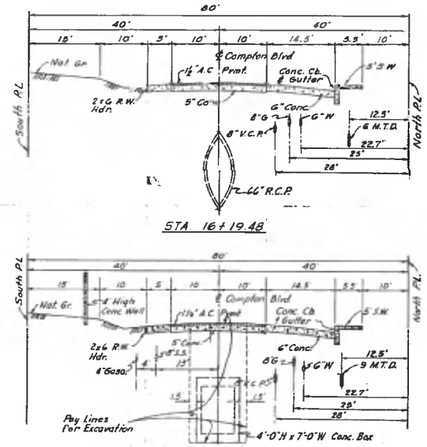
Date: 6/17/2019
Service Through Engineering

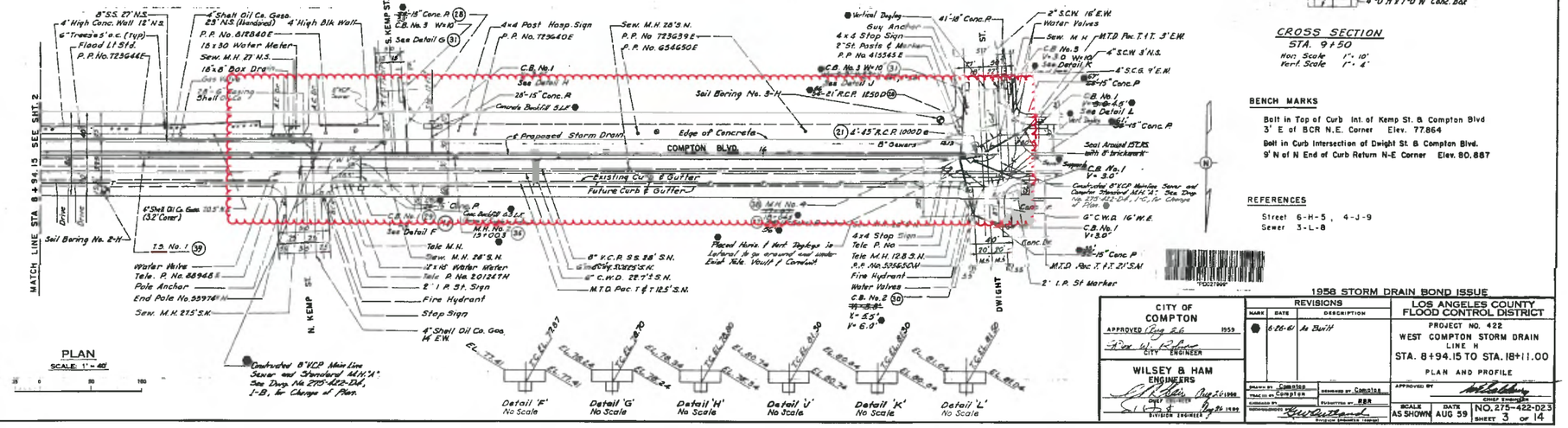
PROFILE

HORIZ. SCALE: 1"= 40
VERT. SCALE: 1"= 4





CROSS SECTION
STA. 9+50
Hori. Scale 1"= 10'
Vert. Scale 1"= 4'



PLAN
SCALE: 1"= 40'

BENCH MARKS

Bolt in Top of Curb Int. of Kemp St. & Compton Blvd 3' E of BCR N.E. Corner Elev. 77.864

Bolt in Curb Intersection of Dwight St. & Compton Blvd. 9' N of N End of Curb Return N-E Corner Elev. 80.887

REFERENCES

Street 6-H-5, 4-J-9
Sewer 3-L-8

CITY OF COMPTON
APPROVED Aug 2-6 1959
CITY ENGINEER

WILSEY & HAM ENGINEERS
CHIEF ENGINEER Aug 26 1959
DIVISION ENGINEER

REVISIONS		
MARK	DATE	DESCRIPTION
●	6-26-61	As Built

1958 STORM DRAIN BOND ISSUE

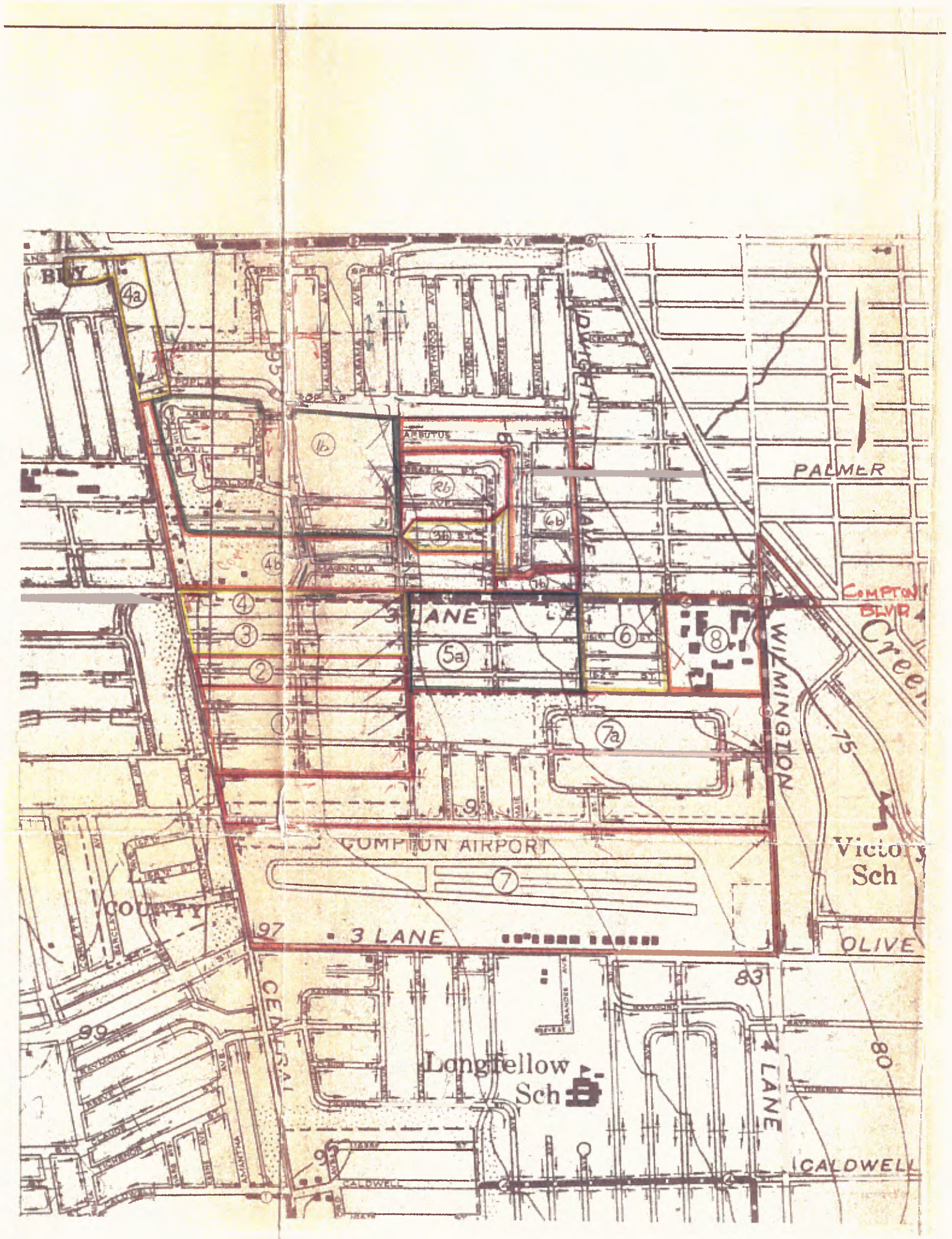
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PROJECT NO. 422
WEST COMPTON STORM DRAIN LINE H
STA. 8+94.15 TO STA. 18+11.00
PLAN AND PROFILE

DRAWN BY Compton
TRACED BY Compton
DESIGNED BY Compton
CHECKED BY
QUANTITIES BY
SUBMITTED BY RBR
DIVISION ENGINEER (Name)

APPROVED BY
CHIEF ENGINEER

SCALE AS SHOWN
DATE AUG 59
NO. 275-422-D2.3
SHEET 3 OF 14



LINE "H"

CC
DEPARTMENT
Issued By
Date
Public Works

EXISTI
DRAIN
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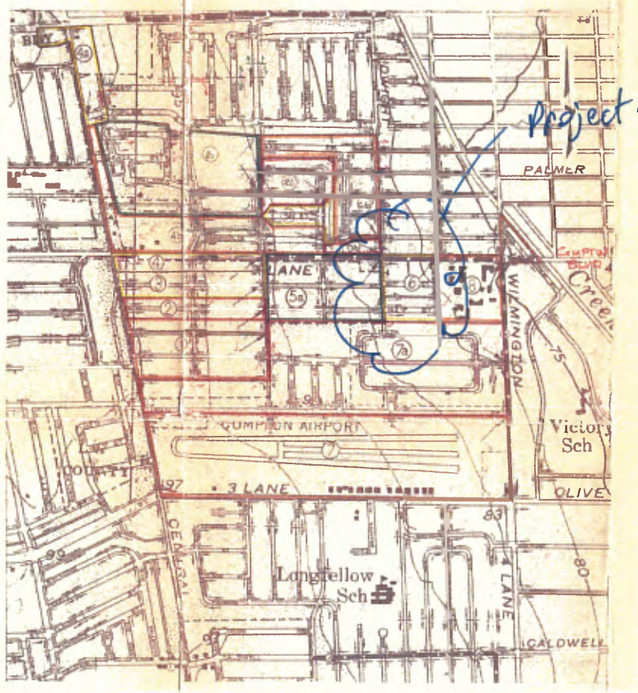
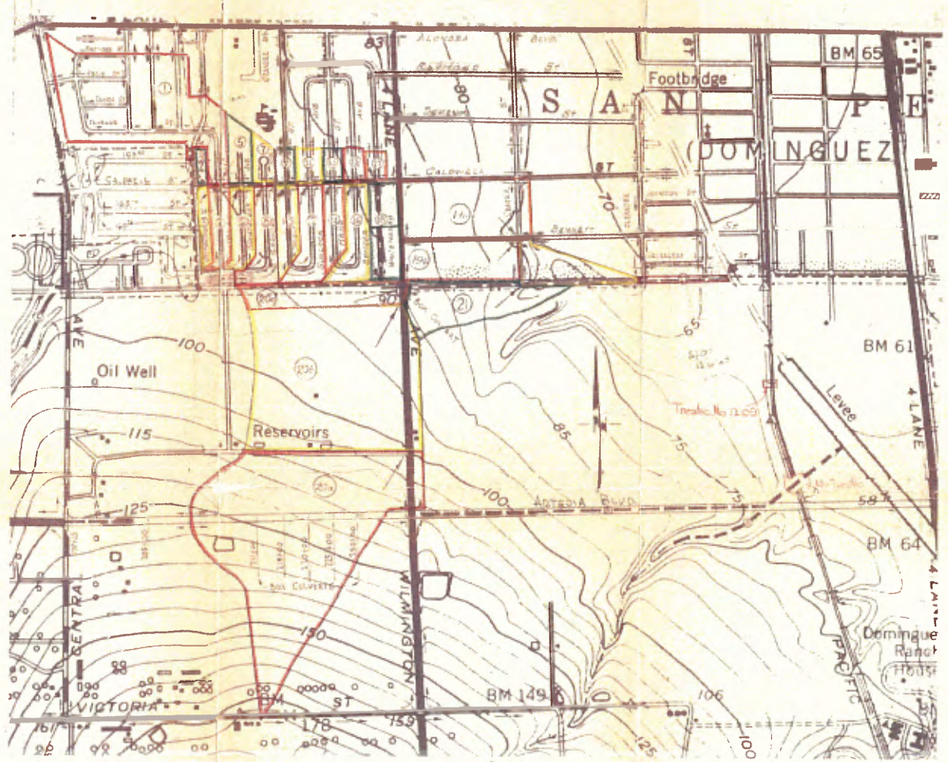
L.
FUTUR
DF



LINE "H"



LINE "J"

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Hydraulic Analysis Unit
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Date: 6/12/2017
Public Service That Works

LEGEND

EXISTING DRAINS	—①—
DRAINS to be CONSTRUCTED UNDER 1958 BOND ISSUE	—②—
FUTURE EXTENSIONS of DRAINAGE SYSTEMS BY L.A. COUNTY	—⑤—
FUTURE EXTENSIONS of DRAINAGE SYSTEMS	—⑥—

SCALE
1" = 600'

1958 STORM DRAIN BOND ISSUE

WILSEY and HAM CIVIL ENGINEERS Los Angeles, California	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WEST COMPTON PROJECT NO. 422 DRAINAGE AREA MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT

930 Compton Boulevard,
Compton, California 90220
Stantec Project No: 185804169

Prepared for:
City Ventures Homebuilding, LLC
3121 Michelson Drive, Suite 150
Irvine, California 92612

Prepared by:
Stantec Consulting Services Inc.
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

May 8, 2019

Sign-off Sheet

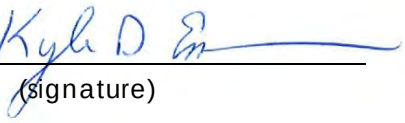
This PHASE II ENVIRONMENTAL SITE ASSESSMENT was prepared by Stantec Consulting Services Inc. for City Ventures Home Building, LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Author _____
(signature)

Deborah Hernandez
Geologic Staff

Quality Reviewer _____
(signature)

Alicia Jansen
Associate Scientist

Independent Reviewer  _____
(signature)

Kyle Emerson, CEG
Managing Principal Geologist

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Executive Summary

The subject property consists of approximately 2.45 acres of vacant land located at 930 Compton Boulevard in Compton, California (the "Property" or the "Site"). The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. Stantec previously completed a Phase I Environmental Site Assessment (ESA) report for the Property, dated April 27, 2018.

The Phase I Environmental Site Assessment had identified the following recognized environmental conditions (RECs) in connection with the Property:

- Historical Agricultural Use. Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

To address these recommendations, Stantec performed a Phase II ESA (*i.e.*, subsurface investigation) on April 24, 2019. The Phase II ESA involved the advancement of six (6) shallow soil borings throughout the Property to a depth of 3.0 feet below ground surface (bgs) and collection of soil samples a depth of 1.0 and 3.0 feet bgs. Soil boring locations are notated in Figure 2. The 1.0 feet bgs soil samples from each boring were analyzed for Organochlorine Pesticides (OCP) by EPA test method 8081 and arsenic and lead by EPA test method 6010B. Stantec concludes that this scope of work was sufficient for evaluating the historical agricultural use of the Property.

The results of the analysis of the soil samples reported 4,4'-DDE in sample HA-2-1 at 0.0022 milligrams per kilogram (mg/kg). Additionally, sample HA-6-1 showed concentrations of 4,4'-DDE and 4,4'-DDT reported at 0.0046 and 0.0036, respectively. None of the detections of organochlorine pesticides were above their respective United States Regional Screening Levels (US EPA RSLs) for residential sites. Therefore, the detected levels of organochlorine pesticides do not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Arsenic was reported above US EPA RSLs for residential sites in five of the six soil samples at concentrations ranging from 1.3 to 4.1 milligrams per kilogram (mg/kg). However, arsenic typically occurs naturally throughout soil in the State of California at levels significantly exceeding the RSL (*i.e.,* the naturally-occurring levels typically range from 0.6 to 12.0 mg/kg). Therefore, reported arsenic concentrations are well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of six samples collected at concentrations ranging from 4.2 to 19 mg/kg, which are well below the residential soil screening level of 80 mg/kg.

Therefore, the metals associated with herbicide application do not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Certified analytical reports with chain of custody documentation are provided in Appendix A.

Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk, in light of the contemplated residential use of the Property, and recommends no further investigation regarding this issue.

1.0 INTRODUCTION

This report documents the methodology and results of a Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) for the real property that approximately 2.4 acres in size and previously developed as a convalescent hospital, located at 930 Compton Boulevard, Compton California (the "Property"). A property location map is illustrated on Figure 1. A property details map illustrating the main features of the Property is provided as Figure 2.

The completed work was conducted in accordance with the Master Services Agreement between Stantec and City Ventures (the "Client"). The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the property description and a summary of past operations. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

1.1 PROPERTY DESCRIPTION AND OPERATIONS

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

1.2 PROPERTY GEOLOGY AND HYDROGEOLOGY

The Property is located in Los Angeles County. The area is located within the Peninsular Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey ["CGS"], 2002). The vicinity consists of recent-age alluvium (CDMG, 1962). Soil at a facility 1,500 feet to the west is reportedly sand (Geotracker, 2015).

According to data presented in Adanta Inc.'s *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.

The Property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.04). The basin is located within the southeastern portion of Los Angeles County. The basin is constrained by the La Brea high to the north, bedrock core complexes to the northeast and east, a drainage province boundary to the southeast, and the Newport-Inglewood Fault to the southwest. Two forebays and one pressure area are present in the basin and water-bearing units consist of sand, gravel and clay up to 2,200 feet in thickness (Department of Water Resources [DWR], 2004).

According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.

2.0 BACKGROUND INFORMATION

Stantec completed a Phase I Environmental Site Assessment (ESA) for the Property and identified the following recognized environmental conditions (RECs) associated with the Property:

- Historical Agricultural Use. Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

Based on these findings a Phase II ESA was recommended for the property. The results of that Phase II ESA are presented below and show that the historical agricultural use does not represent a recognized environmental condition under ASTM E 1527-13.

3.0 FIELD INVESTIGATION PROGRAM

3.1 SCOPE OF WORK

The scope of work consisted of the following general elements:

Pre-Drilling Activities

Prior to the commencement of fieldwork activities Stantec made the following preparations:

- As required by law, Stantec visited the Property to mark the proposed boring locations and acquire a current Underground Service Alert (USA) ticket number prior to commencement of Property drilling activities.
- In accordance with federal OSHA regulations (29 CFR, Section 1910.120), Stantec developed a site-specific Health and Safety Plan (HASP) for the subject property. All Stantec personnel and subcontractors associated with the project were required to be familiar with, and comply with, all provisions of the HASP.

Field Investigation

Stantec provided the services of a field geologist or engineer to supervise and direct all onsite activities. All work was conducted under the supervision of a State of California registered professional and include the following:

- On April 24, 2019, six soil borings (HA-1 through HA-6) were advanced to a depth of 3 feet bgs with soil samples collected at 0.5 to 1.0 foot and 2.5 to 3.0 feet. The soil borings were located at location on the Property where historical agricultural use was noted on aerial photographs. The 1.0 foot soil samples were analyzed for pesticides, lead, and arsenic with the 3 foot soil samples placed on hold pending results from the 1.0 foot samples.

Stantec concludes that this scope of work was sufficient for evaluating the issues identified by the Phase I Environmental Site Assessment.

3.2 SAMPLING PROCEDURES

Soil Sampling

During the investigation, soil samples were collected at depths of 0.5 to 1.0 feet and 2.5 to 3.0 feet. Upon advancement of the hand auger to the desired depth, the auger was withdrawn from the boring, and the contents of the auger bucket were discharged into a clean 8-ounce glass jar provided by the laboratory, and sealed with a threaded Teflon lined lid.

All soil sample containers were sealed tightly and labeled with appropriate identification information (boring number, sample depth, sample collection date, and sample collection time). The samples were then logged on a chain-of-custody form and placed in a cooler for transport to the laboratory. Copies of the chain-of-custody forms are included as Appendix A.

3.3 BORING ABANDONMENT PROCEDURES

Following the completion of drilling and soil sampling, borings were abandoned by removing the sampling equipment from the borehole and subsequently backfilling with soil cuttings.

3.4 DECONTAMINATION PROCEDURES

To maintain quality control during soil sampling, prior to each sampling interval, the sampling equipment was decontaminated in an Alconox scrub solution and double-rinsed, first with tap water followed by a final rinse using distilled water.

3.5 WASTE DISPOSAL

All soil cuttings generated during this investigation were used to backfill the boring.

4.0 LABORATORY TESTING PROGRAM

A total of twelve (12) soil samples from the Property collected during this investigation were delivered under chain-of-custody (Appendix A) to Advanced Technology Laboratories (ATL) based out of Signal Hill, California. ATL is certified to perform hazardous waste testing by the State of California Department of Health Services, Environmental Laboratory Accreditation Program.

Six (6) soil samples were analyzed for arsenic and lead by EPA test method 6010B and organochlorine pesticides by EPA test method 8081A. Analytical results are tabulated in Table 1 and Table 2. Analytical laboratory test results are included in Appendix A and discussed in Section 5.0.

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

On April 24, 2019, Stantec personnel advanced six (6) borings at the Property. Soils encountered during the investigation consisted of silty sand. No groundwater was encountered in any of the boreholes. No staining or hydrocarbon odors were observed in any of the boreholes.

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below. Laboratory test results are summarized in attached Table 1 and Table 2. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

Soil Samples

The results of the analysis of the soil samples reported 4,4'-DDE in sample HA-2-1 at 0.0022 milligrams per kilogram (mg/kg). Additionally, sample HA-6-1 had concentrations of 4,4'-DDE and 4,4'-DDT reported at 0.0046 and 0.0036, respectively. None of the detections of organochlorine pesticides were above their respective United States Regional Screening Levels (US EPA RSLs) for residential sites. Therefore, the detected levels of organochlorine pesticides do not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Arsenic was reported above US EPA RSLs for residential sites in five of the six soil samples at concentrations ranging from 1.3 to 4.1 milligrams per kilogram (mg/kg). However, arsenic occurs naturally throughout California at levels significantly exceeding the RSL (0.6 to 12.0 mg/kg). Therefore, reported arsenic concentrations are well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of six samples collected at concentrations ranging from 4.2 to 19 mg/kg, which are well below the residential soil screening level of 80 mg/kg. Therefore, the metals associated with herbicide does not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Certified analytical reports with chain of custody documentation are provided in Appendix A.

Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk in light of the contemplated residential use of the Property and recommends no further investigation regarding this issue.

6.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Property conditions may degrade with time; consequently, the findings presented herein are subject to change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the Master Services Agreement (MSA), the MSA shall control.

7.0 REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2019, website http://maps.conservation.ca.gov/doms/index.html

California Geological Survey (CGS), 2019, website http://maps.conservation.ca.gov/cgs/fam/

California Water Resources Control Board (SWRCB), 2019, GeoTracker Database, website download from http://geotracker.swrcb.ca.gov/

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5253592.2s, dated April 10, 2018.

_____, Certified Sanborn Map Report, Inquiry Number 5253592.3, dated April 10, 2018.

_____, Historical Topographic Map Report, Inquiry Number 5253592.4, dated April 10, 2018

_____, Aerial Photo Decade Package, Inquiry Number 5253592.5, dated April 10, 2018.

_____, City Directory Abstract, Inquiry Number 5253592.6, dated April 10, 2018.

Stantec Consulting Services, Inc., 2018, Phase I Environmental Site Assessment, 930 Compton Boulevard, Compton, California 90220, dated April 27, 2018

United States Geological Survey (USGS), 2012, South Gate, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

United States Geological Survey (USGS), 2019, website https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm

TABLES

Table 1
Summary of Soil Analytical Results - Lead & Arsenic
City Ventures - Compton
930 Compton Boulevard, Compton, California
Stantec Project No.: 185804169

Sample ID [1]	Sampling Date	Sampling Depth (ft)	Metals (mg/kg)	
			EPA 6010B [2]	
			Arsenic	Lead
USEPA RSLs (mg/kg)			0.68	80
California Background Levels (mg/kg)			0.6-11.0	12.4 - 97.1
Samples				
HA-1-1	4/24/2019	1.0	1.3	6.1
HA-2-1	4/24/2019	1.0	1.9	19
HA-3-1	4/24/2019	1.0	2.3	4.2
HA-4-1	4/24/2019	1.0	4.1	4.5
HA-5-1	4/24/2019	1.0	<1.0	10
HA-6-1	4/24/2019	1.0	1.7	13

NOTES:
(1) Refer to Figure 2 for sampling locations
(2) Concentrations reported in milligrams per kilogram (mg/kg), EPA Test Method 6010B
< - Indicates the concentration was not detected above the laboratory method reporting limit.
-- indicates the sample was not anaylzed

ABBREVIATIONS:
USEPA RSLs - United States Environmental Protection Agency Regional Screening Levels for Residential Soils (May 2016)

BOLD - Indicates the concentration is above the laboratory reporting level
Concentration exceeds USEPA Region 9 RLS
Concentration exceeds Southern California regional background levels

Table 2
Summary of Soil Analytical Results - Pesticides
City Ventures - Compton
930 Compton Boulevard, Compton, California
Stantec Project No.: 185804169

r	Depth [1]	Date	Pesticides (EPA Test Method 8081A)				
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Other OCPs
Screening Levels for residential soil (mg/Kg) [2]			2.3	2.0	1.9	0.034	varies
Hazardous Waste Levels (mg/Kg)			1.0	1.0	1.0	8.0	varies
Typical Background Levels in California			NE	NE	NE	NE	NE
Samples							
HA-1-1	1.0	4/24/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-2-1	1.0	4/24/2019	<0.002	0.0022	<0.002	<0.002	<varies
HA-3-1	1.0	4/24/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-4-1	1.0	4/24/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-5-1	1.0	4/5/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-6-1	1.0	4/9/2019	<0.002	0.0046	0.0034	<0.002	<varies

NOTES:

(1) Sample depth is reported as feet below ground surface

(2) Screening level value is determined by the more conservative value from the California DTSC HERO Note 3 or USEPA RSLs.

All concentrations reported in milligrams of metal per kilogram of soil (mg/kg)

< - Indicates the concentration was not detected above the laboratory method reporting limit.

BOLD - Indicates the concentration is above the laboratory reporting level

Concentration exceeds USEPA Region 9 RLS

Concentration exceeds Southern California regional background levels

ABBREVIATIONS:

DTSC - Department of Toxic Substances Control

HERO - Human and Ecological Risk Office

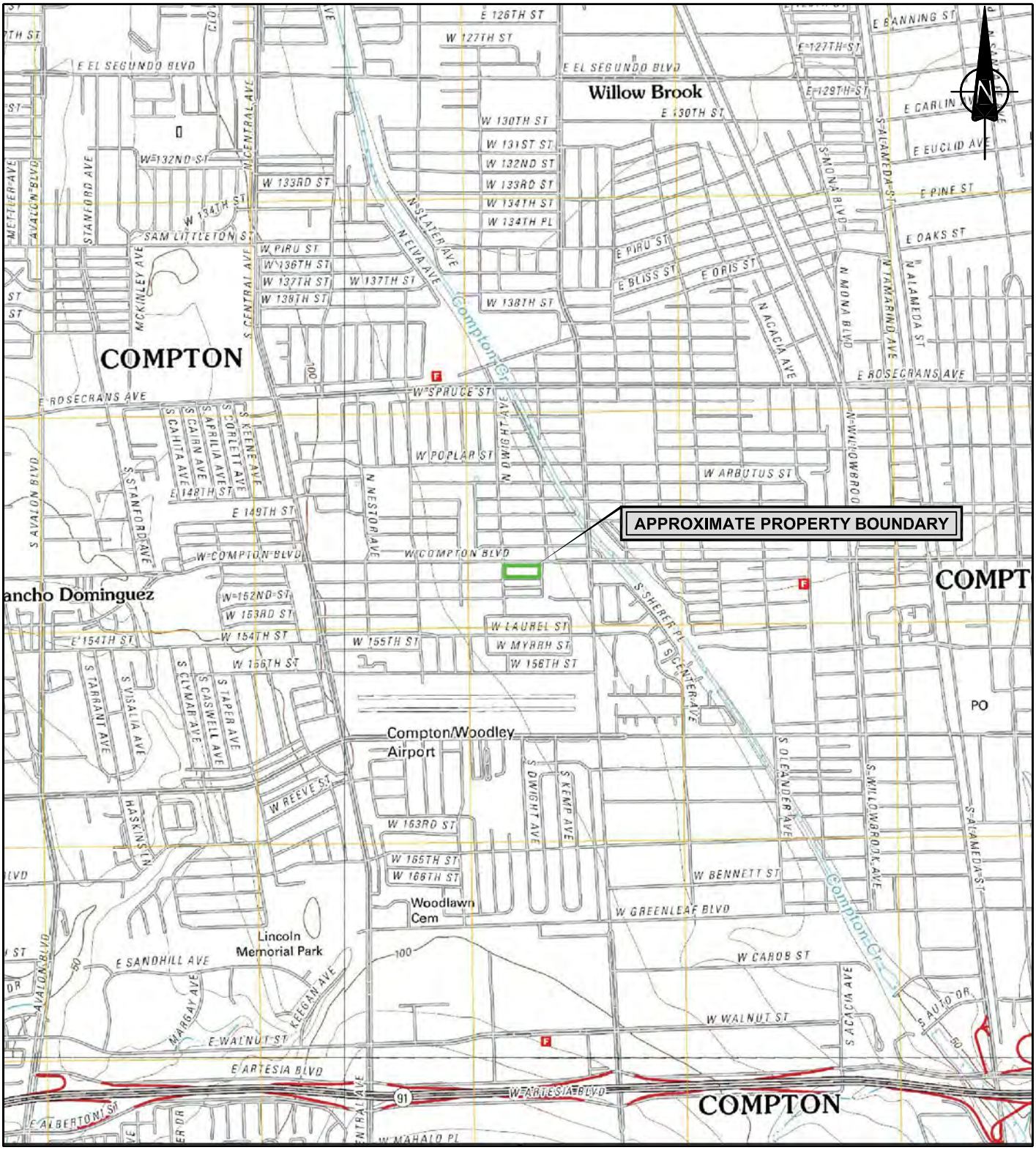
NA - Not analyzed

ND - Not detected

NE - Not established

USEPA RSL - United States Environmental Protection Agency Regional Screening

FIGURES



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY LOCATION MAP

PHASE I ESA

930 WEST COMPTON BOULEVARD, COMPTON, CA

Client: CITY VENTURES

Project No.:	185804169
Scale:	AS SHOWN
Date:	19/05/04
Dwn. By:	CD DM SC2019050012
App'd By:	KE

Fig. No.: 1

Stantec

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Stantec Consulting Ltd. © 2019

LEGEND

- SHALLOW SOIL SAMPLE LOCATION, STANTEC APRIL 2019

0 50 100 150 FT

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY DETAILS

PHASE I ESA

930 WEST COMPTON BOULEVARD, COMPTON, CA

Client:	CITY VENTURES
Project No.:	185804169
Scale:	AS SHOWN
Date:	19/05/04
Dwn. By:	CD DM SC2019050013
App'd By:	KE

Fig. No.: 2

Stantec

APPENDIX A
LABORATORY DATA SHEETS AND QA/QC RESULTS

May 01, 2019

Alicia Jansen
Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
Tel: (909) 335-6116
Fax:(909) 335-6120

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1901660
Client Reference : CV Compton, 185804169

Enclosed are the results for sample(s) received on April 24, 2019 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Stantec		Project Number :	CV Compton, 185804169
735 E. Carnegie Drive, Suite 280		Report To :	Alicia Jansen
San Bernardino , CA 92408		Reported :	05/01/2019

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1-1	1901660-02	Soil	4/24/19 7:10	4/24/19 10:12
HA-2-1	1901660-03	Soil	4/24/19 7:45	4/24/19 10:12
HA-3-1	1901660-05	Soil	4/24/19 8:15	4/24/19 10:12
HA-4-1	1901660-07	Soil	4/24/19 8:40	4/24/19 10:12
HA-5-1	1901660-09	Soil	4/24/19 9:10	4/24/19 10:12
HA-6-1	1901660-11	Soil	4/24/19 9:45	4/24/19 10:12

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-1-1

Lab ID: 1901660-02

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.3**	1.0	1	B9D1193	04/30/2019	04/30/19 13:26	
Lead	**6.1**	1.0	1	B9D1193	04/30/2019	04/30/19 13:26	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
4,4′-DDE	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 17:41	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 17:41	
Surrogate: Decachlorobiphenyl	*45.5 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 17:41*	
Surrogate: Tetrachloro-m-xylene	*52.2 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 17:41*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-2-1
Lab ID: 1901660-03

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.9**	1.0	1	B9D1193	04/30/2019	04/30/19 13:30	
Lead	**19**	1.0	1	B9D1193	04/30/2019	04/30/19 13:30	

Organochlorine Pesticides by EPA 8081

Analyst: KD/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
4,4′-DDE [2C]	**2.2**	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 17:51	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 17:51	
Surrogate: Decachlorobiphenyl	*49.0 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 17:51*	
Surrogate: Tetrachloro-m-xylene	*73.7 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 17:51*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-3-1

Lab ID: 1901660-05

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**2.3**	1.0	1	B9D1193	04/30/2019	04/30/19 13:31	
Lead	**4.2**	1.0	1	B9D1193	04/30/2019	04/30/19 13:31	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
4,4′-DDE	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:01	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:01	
Surrogate: Decachlorobiphenyl	*57.2 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:01*	
Surrogate: Tetrachloro-m-xylene	*65.3 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:01*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-4-1

Lab ID: 1901660-07

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**4.1**	1.0	1	B9D1193	04/30/2019	04/30/19 13:32	
Lead	**4.5**	1.0	1	B9D1193	04/30/2019	04/30/19 13:32	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
4,4′-DDE	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:12	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:12	
Surrogate: Decachlorobiphenyl	*51.9 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:12*	
Surrogate: Tetrachloro-m-xylene	*70.9 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:12*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-5-1

Lab ID: 1901660-09

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	1	B9D1193	04/30/2019	04/30/19 13:33	
Lead	**10**	1.0	1	B9D1193	04/30/2019	04/30/19 13:33	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
4,4′-DDE [2C]	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
4,4′-DDT [2C]	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:22	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:22	
Surrogate: Decachlorobiphenyl	*54.2 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:22*	
Surrogate: Tetrachloro-m-xylene	*81.9 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:22*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-6-1

Lab ID: 1901660-11

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.7**	1.0	1	B9D1193	04/30/2019	04/30/19 13:34	
Lead	**13**	1.0	1	B9D1193	04/30/2019	04/30/19 13:34	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
4,4´-DDE [2C]	**4.6**	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
4,4´-DDT [2C]	**3.4**	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Chlordane [2C]	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:33	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
gamma-Chlordane [2C]	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:33	
Surrogate: Decachlorobiphenyl	*50.3 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:33*	
Surrogate: Tetrachloro-m-xylene	*73.1 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:33*	

Certificate of Analysis

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San Bernardino , CA 92408	Reported : 05/01/2019

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1193 - EPA 3050B_S										
Blank (B9D1193-BLK1)					Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	ND	1.0	0.12							
Lead	ND	1.0	0.18							
LCS (B9D1193-BS1)					Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	44.2783	1.0	0.12	50.0000		88.6	80 - 120			
Lead	44.8707	1.0	0.18	50.0000		89.7	80 - 120			
Matrix Spike (B9D1193-MS1)			**Source: 1901660-02**		Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	91.2624	1.0	0.12	124.378	1.27926	72.3	49 - 96			
Lead	91.9805	1.0	0.18	124.378	6.08868	69.1	29 - 126			
Matrix Spike Dup (B9D1193-MSD1)			**Source: 1901660-02**		Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	91.7811	1.0	0.12	125.000	1.27926	72.4	49 - 96	0.567	20	
Lead	92.5801	1.0	0.18	125.000	6.08868	69.2	29 - 126	0.650	20	

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Stantec	Project Number : CV Compton, 185804169
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San Bernardino , CA 92408	Reported : 05/01/2019

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S										
Blank (B9D1238-BLK1)							Prepared: 4/29/2019 Analyzed: 4/29/2019			
4,4′-DDD	ND	2.0	0.07							
4,4′-DDD [2C]	ND	2.0	0.07							
4,4′-DDE	ND	2.0	0.11							
4,4′-DDE [2C]	ND	2.0	0.11							
4,4′-DDT	ND	2.0	0.10							
4,4′-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.12							
Aldrin [2C]	ND	1.0	0.12							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.12							
alpha-Chlordane [2C]	ND	1.0	0.12							
beta-BHC	ND	1.0	0.06							
beta-BHC [2C]	ND	1.0	0.06							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.12							
delta-BHC [2C]	ND	1.0	0.12							
Dieldrin	ND	2.0	0.26							
Dieldrin [2C]	ND	2.0	0.26							
Endosulfan I	ND	1.0	0.10							
Endosulfan I [2C]	ND	1.0	0.10							
Endosulfan II	ND	2.0	0.15							
Endosulfan II [2C]	ND	2.0	0.15							
Endosulfan sulfate	ND	2.0	0.16							
Endosulfan Sulfate [2C]	ND	2.0	0.16							
Endrin	ND	2.0	0.14							
Endrin [2C]	ND	2.0	0.14							
Endrin aldehyde	ND	2.0	0.31							
Endrin aldehyde [2C]	ND	2.0	0.31							
Endrin ketone	ND	2.0	0.13							
Endrin ketone [2C]	ND	2.0	0.13							
gamma-BHC	ND	1.0	0.10							
gamma-BHC [2C]	ND	1.0	0.10							
gamma-Chlordane	ND	1.0	0.89							
gamma-Chlordane [2C]	ND	1.0	0.89							
Heptachlor	ND	1.0	0.12							
Heptachlor [2C]	ND	1.0	0.12							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.18							

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San Bernardino , CA 92408	Reported : 05/01/2019

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
Blank (B9D1238-BLK1) - Continued					Prepared: 4/29/2019 Analyzed: 4/29/2019					
Methoxychlor [2C]	ND	5.0	0.18							
Toxaphene	ND	50	4.7							
Toxaphene [2C]	ND	50	4.7							
Surrogate: Decachlorobiphenyl	*11.67*			*16.6667*		*70.0*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*11.15*			*16.6667*		*66.9*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*11.72*			*16.6667*		*70.3*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*12.31*			*16.6667*		*73.9*	*38 - 93*			
LCS (B9D1238-BS1)					Prepared: 4/29/2019 Analyzed: 4/29/2019					
4,4´-DDD	12.3362	2.0	0.07	16.6667		74.0	66 - 112			
4,4´-DDD [2C]	12.1298	2.0	0.07	16.6667		72.8	66 - 112			
4,4´-DDE	12.4562	2.0	0.11	16.6667		74.7	62 - 112			
4,4´-DDE [2C]	13.0710	2.0	0.11	16.6667		78.4	62 - 112			
4,4´-DDT	12.0140	2.0	0.10	16.6667		72.1	48 - 90			
4,4´-DDT [2C]	12.1237	2.0	0.10	16.6667		72.7	48 - 90			
Aldrin	12.3463	1.0	0.12	16.6667		74.1	58 - 104			
Aldrin [2C]	12.9072	1.0	0.12	16.6667		77.4	58 - 104			
alpha-BHC	12.0072	1.0	0.11	16.6667		72.0	57 - 105			
alpha-BHC [2C]	12.4967	1.0	0.11	16.6667		75.0	57 - 105			
alpha-Chlordane	12.2773	1.0	0.12	16.6667		73.7	62 - 108			
alpha-Chlordane [2C]	12.7833	1.0	0.12	16.6667		76.7	62 - 108			
beta-BHC	11.6513	1.0	0.06	16.6667		69.9	59 - 106			
beta-BHC [2C]	12.4323	1.0	0.06	16.6667		74.6	59 - 106			
delta-BHC	12.7830	1.0	0.12	16.6667		76.7	63 - 115			
delta-BHC [2C]	13.2733	1.0	0.12	16.6667		79.6	63 - 115			
Dieldrin	11.8673	2.0	0.26	16.6667		71.2	59 - 102			
Dieldrin [2C]	12.1300	2.0	0.26	16.6667		72.8	59 - 102			
Endosulfan I	11.3918	1.0	0.10	16.6667		68.4	61 - 99			
Endosulfan I [2C]	11.7305	1.0	0.10	16.6667		70.4	61 - 99			
Endosulfan II	11.8188	2.0	0.15	16.6667		70.9	65 - 105			
Endosulfan II [2C]	11.7683	2.0	0.15	16.6667		70.6	65 - 105			
Endosulfan sulfate	11.0713	2.0	0.16	16.6667		66.4	59 - 107			
Endosulfan Sulfate [2C]	10.4507	2.0	0.16	16.6667		62.7	59 - 107			
Endrin	13.3588	2.0	0.14	16.6667		80.2	65 - 113			
Endrin [2C]	12.8722	2.0	0.14	16.6667		77.2	65 - 113			
Endrin aldehyde	11.3033	2.0	0.31	16.6667		67.8	61 - 109			
Endrin aldehyde [2C]	11.6778	2.0	0.31	16.6667		70.1	61 - 109			
Endrin ketone	10.6785	2.0	0.13	16.6667		64.1	56 - 97			
Endrin ketone [2C]	10.5147	2.0	0.13	16.6667		63.1	56 - 97			
gamma-BHC	12.1808	1.0	0.10	16.6667		73.1	57 - 101			
gamma-BHC [2C]	12.8092	1.0	0.10	16.6667		76.9	57 - 101			

Certificate of Analysis

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
LCS (B9D1238-BS1) - Continued						Prepared: 4/29/2019 Analyzed: 4/29/2019				
gamma-Chlordane	12.0672	1.0	0.89	16.6667		72.4	56 - 125			
gamma-Chlordane [2C]	12.6185	1.0	0.89	16.6667		75.7	56 - 125			
Heptachlor	12.7775	1.0	0.12	16.6667		76.7	61 - 105			
Heptachlor [2C]	13.2403	1.0	0.12	16.6667		79.4	61 - 105			
Heptachlor epoxide	11.4355	1.0	0.09	16.6667		68.6	59 - 97			
Heptachlor epoxide [2C]	11.9838	1.0	0.09	16.6667		71.9	59 - 97			
Methoxychlor	12.7437	5.0	0.18	16.6667		76.5	68 - 118			
Methoxychlor [2C]	12.9302	5.0	0.18	16.6667		77.6	68 - 118			
Surrogate: Decachlorobiphenyl	*11.56*			*16.6667*		*69.3*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*11.34*			*16.6667*		*68.0*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*12.39*			*16.6667*		*74.3*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*13.32*			*16.6667*		*79.9*	*38 - 93*			
Matrix Spike (B9D1238-MS1)			**Source: 1901660-02**			Prepared: 4/29/2019 Analyzed: 4/29/2019				
4,4′-DDD	5.22800	2.0	0.07	16.6667	ND	31.4	33 - 116			M2
4,4′-DDD [2C]	5.79500	2.0	0.07	16.6667	ND	34.8	33 - 116			
4,4′-DDE	6.09700	2.0	0.11	16.6667	0.187833	35.5	29 - 128			
4,4′-DDE [2C]	6.46100	2.0	0.11	16.6667	0.182667	37.7	29 - 128			
4,4′-DDT	5.79450	2.0	0.10	16.6667	ND	34.8	27 - 109			
4,4′-DDT [2C]	6.24633	2.0	0.10	16.6667	ND	37.5	27 - 109			
Aldrin	6.46967	1.0	0.12	16.6667	ND	38.8	34 - 110			
Aldrin [2C]	6.71000	1.0	0.12	16.6667	ND	40.3	34 - 110			
alpha-BHC	6.37133	1.0	0.11	16.6667	ND	38.2	39 - 107			M2
alpha-BHC [2C]	6.79917	1.0	0.11	16.6667	ND	40.8	39 - 107			
alpha-Chlordane	6.03667	1.0	0.12	16.6667	ND	36.2	37 - 111			M2
alpha-Chlordane [2C]	6.52383	1.0	0.12	16.6667	ND	39.1	37 - 111			
beta-BHC	3.83567	1.0	0.06	16.6667	ND	23.0	33 - 111			M2
beta-BHC [2C]	3.91300	1.0	0.06	16.6667	ND	23.5	33 - 111			M2
delta-BHC	2.54033	1.0	0.12	16.6667	ND	15.2	25 - 122			M2
delta-BHC [2C]	2.73200	1.0	0.12	16.6667	ND	16.4	25 - 122			M2
Dieldrin	4.14750	2.0	0.26	16.6667	ND	24.9	28 - 114			M2
Dieldrin [2C]	4.40417	2.0	0.26	16.6667	ND	26.4	28 - 114			M2
Endosulfan I	4.81383	1.0	0.10	16.6667	ND	28.9	35 - 107			M2
Endosulfan I [2C]	5.01167	1.0	0.10	16.6667	ND	30.1	35 - 107			M2
Endosulfan II	1.18617	2.0	0.15	16.6667	ND	7.12	13 - 122			M2
Endosulfan II [2C]	1.35533	2.0	0.15	16.6667	ND	8.13	13 - 122			M2
Endosulfan sulfate	0.862500	2.0	0.16	16.6667	ND	5.17	13 - 120			M2
Endosulfan Sulfate [2C]	0.874000	2.0	0.16	16.6667	ND	5.24	13 - 120			M2
Endrin	4.74750	2.0	0.14	16.6667	ND	28.5	31 - 121			M2
Endrin [2C]	5.00467	2.0	0.14	16.6667	ND	30.0	31 - 121			M2
Endrin aldehyde	0.979667	2.0	0.31	16.6667	ND	5.88	18 - 129			M2

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike (B9D1238-MS1) - Continued			**Source: 1901660-02**		Prepared: 4/29/2019 Analyzed: 4/29/2019					
Endrin aldehyde [2C]	0.836500	2.0	0.31	16.6667	ND	5.02	18 - 129			M2
Endrin ketone	1.19933	2.0	0.13	16.6667	ND	7.20	14 - 113			M2
Endrin ketone [2C]	1.18117	2.0	0.13	16.6667	ND	7.09	14 - 113			M2
gamma-BHC	6.15783	1.0	0.10	16.6667	ND	36.9	34 - 104			
gamma-BHC [2C]	6.23800	1.0	0.10	16.6667	ND	37.4	34 - 104			
gamma-Chlordane	11.1458	1.0	0.89	16.6667	ND	66.9	35 - 121			
gamma-Chlordane [2C]	6.02467	1.0	0.89	16.6667	ND	36.1	35 - 121			
Heptachlor	6.90650	1.0	0.12	16.6667	ND	41.4	35 - 110			
Heptachlor [2C]	7.15100	1.0	0.12	16.6667	ND	42.9	35 - 110			
Heptachlor epoxide	5.09900	1.0	0.09	16.6667	ND	30.6	31 - 106			M2
Heptachlor epoxide [2C]	5.25050	1.0	0.09	16.6667	ND	31.5	31 - 106			
Methoxychlor	3.00050	5.0	0.18	16.6667	ND	18.0	21 - 128			M2
Methoxychlor [2C]	2.96517	5.0	0.18	16.6667	ND	17.8	21 - 128			M2
Surrogate: Decachlorobiphenyl	*5.899*			*16.6667*		*35.4*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*6.714*			*16.6667*		*40.3*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*7.172*			*16.6667*		*43.0*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*7.761*			*16.6667*		*46.6*	*38 - 93*			
Matrix Spike Dup (B9D1238-MSD1)			**Source: 1901660-02**		Prepared: 4/29/2019 Analyzed: 4/29/2019					
4,4′-DDD	5.31383	2.0	0.07	16.6667	ND	31.9	33 - 116	1.63	20	M2
4,4′-DDD [2C]	5.56300	2.0	0.07	16.6667	ND	33.4	33 - 116	4.09	20	
4,4′-DDE	6.25800	2.0	0.11	16.6667	0.187833	36.4	29 - 128	2.61	20	
4,4′-DDE [2C]	6.55717	2.0	0.11	16.6667	0.182667	38.2	29 - 128	1.48	20	
4,4′-DDT	5.45450	2.0	0.10	16.6667	ND	32.7	27 - 109	6.04	20	
4,4′-DDT [2C]	5.88950	2.0	0.10	16.6667	ND	35.3	27 - 109	5.88	20	
Aldrin	6.99667	1.0	0.12	16.6667	ND	42.0	34 - 110	7.83	20	
Aldrin [2C]	7.15783	1.0	0.12	16.6667	ND	42.9	34 - 110	6.46	20	
alpha-BHC	7.08283	1.0	0.11	16.6667	ND	42.5	39 - 107	10.6	20	
alpha-BHC [2C]	7.33250	1.0	0.11	16.6667	ND	44.0	39 - 107	7.55	20	
alpha-Chlordane	6.22433	1.0	0.12	16.6667	ND	37.3	37 - 111	3.06	20	
alpha-Chlordane [2C]	6.54850	1.0	0.12	16.6667	ND	39.3	37 - 111	0.377	20	
beta-BHC	4.06400	1.0	0.06	16.6667	ND	24.4	33 - 111	5.78	20	M2
beta-BHC [2C]	3.98867	1.0	0.06	16.6667	ND	23.9	33 - 111	1.92	20	M2
delta-BHC	2.87267	1.0	0.12	16.6667	ND	17.2	25 - 122	12.3	20	M2
delta-BHC [2C]	2.99133	1.0	0.12	16.6667	ND	17.9	25 - 122	9.06	20	M2
Dieldrin	4.31533	2.0	0.26	16.6667	ND	25.9	28 - 114	3.97	20	M2
Dieldrin [2C]	4.44967	2.0	0.26	16.6667	ND	26.7	28 - 114	1.03	20	M2
Endosulfan I	4.98550	1.0	0.10	16.6667	ND	29.9	35 - 107	3.50	20	M2
Endosulfan I [2C]	5.09417	1.0	0.10	16.6667	ND	30.6	35 - 107	1.63	20	M2
Endosulfan II	1.43283	2.0	0.15	16.6667	ND	8.60	13 - 122	18.8	20	M2
Endosulfan II [2C]	1.40583	2.0	0.15	16.6667	ND	8.43	13 - 122	3.66	20	M2

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B9D1238-MSD1) - Continued			**Source: 1901660-02**		Prepared: 4/29/2019 Analyzed: 4/29/2019					
Endosulfan sulfate	0.888167	2.0	0.16	16.6667	ND	5.33	13 - 120	2.93	20	M2
Endosulfan Sulfate [2C]	0.973167	2.0	0.16	16.6667	ND	5.84	13 - 120	10.7	20	M2
Endrin	4.90683	2.0	0.14	16.6667	ND	29.4	31 - 121	3.30	20	M2
Endrin [2C]	4.99217	2.0	0.14	16.6667	ND	30.0	31 - 121	0.250	20	M2
Endrin aldehyde	0.932500	2.0	0.31	16.6667	ND	5.59	18 - 129	4.93	20	M2
Endrin aldehyde [2C]	0.879500	2.0	0.31	16.6667	ND	5.28	18 - 129	5.01	20	M2
Endrin ketone	1.29883	2.0	0.13	16.6667	ND	7.79	14 - 113	7.97	20	M2
Endrin ketone [2C]	1.30033	2.0	0.13	16.6667	ND	7.80	14 - 113	9.60	20	M2
gamma-BHC	6.74850	1.0	0.10	16.6667	ND	40.5	34 - 104	9.15	20	
gamma-BHC [2C]	6.70733	1.0	0.10	16.6667	ND	40.2	34 - 104	7.25	20	
gamma-Chlordane	12.5213	1.0	0.89	16.6667	ND	75.1	35 - 121	11.6	20	
gamma-Chlordane [2C]	6.13600	1.0	0.89	16.6667	ND	36.8	35 - 121	1.83	20	
Heptachlor	7.62217	1.0	0.12	16.6667	ND	45.7	35 - 110	9.85	20	
Heptachlor [2C]	7.67483	1.0	0.12	16.6667	ND	46.0	35 - 110	7.07	20	
Heptachlor epoxide	5.44733	1.0	0.09	16.6667	ND	32.7	31 - 106	6.61	20	
Heptachlor epoxide [2C]	5.37983	1.0	0.09	16.6667	ND	32.3	31 - 106	2.43	20	
Methoxychlor	2.95117	5.0	0.18	16.6667	ND	17.7	21 - 128	1.66	20	M2
Methoxychlor [2C]	2.96083	5.0	0.18	16.6667	ND	17.8	21 - 128	0.146	20	M2
Surrogate: Decachlorobiphenyl	*6.307*			*16.6667*		*37.8*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*6.922*			*16.6667*		*41.5*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*8.100*			*16.6667*		*48.6*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*8.363*			*16.6667*		*50.2*	*38 - 93*			

Certificate of Analysis

Stantec		Project Number :	CV Compton, 185804169
735 E. Carnegie Drive, Suite 280		Report To :	Alicia Jansen
San Bernardino , CA 92408		Reported :	05/01/2019

Notes and Definitions

M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only ATLCOC Ver:20180415

Method of Transport: ☑ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☑	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA)	NA	☐	6. PRESERVED	☐	☑
3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C:	Received same day as sampling	
4. SEALED	☑	☐			

CUSTOMER

Company: STANTEC
Address: 735 E. CARNEIGIE DR. #280
City: SAN BERNADINO State: CA Zip: 92408
Tel: Fax:

SEND REPORT TO:
Attn: ALICIA JANSEN Email:
Company: Stantec Consulting
Address: 735 E. CARNEIGIE DR #280
City: SAN BERNADINO State: CA Zip: 92408

SEND INVOICE TO: ☑ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

PROJECT SAMPLES

Project Name: CV Compton
Project No.: 185804/169
Sampler: K. Couture
Quote #:
PO #:
Special Instructions/Comments: HOLD 3 ft SAMPLES

ITEM	Laboratory ID (For Lab Use Only)	Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015 (GRO)	8015 (DRO)	8081 (Organochlorine Pesticides)	8082 (PCBs)	8270 (Semi-volatiles)	6010 / 7000 (Title 22 Metals)	TO-15	6010B ARSENIC	HOLD	SOIL	SOLID	GROUNDWATER	WASTEWATER	OIL	Turnaround Time (TAT)	Quantity	Container Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NA2S2O3	Remarks
1	19d660 -01	HA-1-3	4/24/19	0735				X					X	X										
2	-02	HA-1-1		0710																				
3	-03	HA-2-1		0745																				
4	-04	HA-2-3		0805										X										
5	-05	HA-3-1		0815																				
6	-06	HA-3-3		0830										X										
7	-07	HA-4-1		0840																				
8	-08	HA-4-3		0900										X										
9	-09	HA-5-1		0910																				
10	-10	HA-5-3	4/24/19	0935				X					X	X										

SAMPLE RECEIPT

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work --- ask forquote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
   - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; $20 sample/week if extended storage is requested.
   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.
12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	4/24/19		MPP	4/24/19	1012
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Printed Name _____ Signature _____

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 2 of 2

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Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐			

CUSTOMER

Company: STANTEC
Address: 735 E CARNEGIE DR #280 Tel:
City: SAN BERNARDINO State: CA Zip: 92408 Fax:

SEND REPORT TO:
Attn: ALICIA JAMSEN Email:
Company: STANTEC Consulting
Address: 735 E. CARNEGIE DR #280
City: SAN BERNADINO State: CA Zip: 92408

SEND INVOICE TO: ☐ Same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

PROJECT SAMPLES

Project Name: CV Compton
Project No.: 185804169
Sampler: R. Caltone
Quote #:
PO #:
Special Instructions/Comments: HOLD 3 SAMPLES

ITEM	Laboratory ID (For Lab Use Only)	Sample Description: Sample ID / Location	Date	Time
1	L901660-4	HA-6-1	4/24/19	0945
2	↓ -12	HA-6-3	4/24/19	1000
3				
4				
5				
6				
7				
8				
9				
10				

Requested Analysis: 8260 / 624 (Volatiles); 8015 (GRO); 8015 (DRO); 8081 (Organochlorine Pesticides) X X; 8082 (PCBs); 8270 (Semi-volatiles); 6010 / 7000 (Title 22 Metals); TO-15; 6010B Arsenic X X; HOLD X X

Sample Matrix: SOIL; SOLID; GROUNDWATER; WASTEWATER; OIL

Turnaround Time (TAT)

Container: Quantity; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Bedlar; 7 = Canister; Material: 1=Glass; 2=Plastic; 3=Metal; Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NA2S2O3

Remarks

TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
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3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
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11. Unanalyzed samples will incur a disposal fee of $7 per sample.
12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	4/24/19		MRR	4/24/19	1012
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Printed Name _____ Signature _____

Phase I Environmental Site Assessment
930 Compton Boulevard
Compton, California 90220

Prepared for:
City Ventures
3121 Michelson Drive,
Suite 150
Irvine, CA 92612

Prepared by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California 92374

Project No.: 185804169

April 27, 2018

Sign-off Sheet and Signatures of Environmental Professionals

This Phase I Environmental Site Assessment was prepared by Stantec Consulting Services Inc. (Stantec) for City Ventures. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

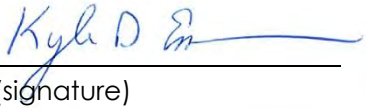
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Author
(signature)

Alicia Jansen
Associate Scientist

Quality Reviewer
(signature)

Dion Monge
Senior Scientist

Independent Reviewer 
(signature)

Kyle Emerson, P.G., C.E.G.
Managing Principal Geologist

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Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds

1.0 SUMMARY

This Phase I Environmental Site Assessment (ESA) report was prepared by Stantec Consulting Services Inc. (Stantec), on behalf of City Ventures (the "Client"), for the property located at 930 Compton Boulevard, Compton, California (the "Property" or the "Site"). City Ventures (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of ASTM International (ASTM) Designation E 1527-13, All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312 and the terms and conditions of the Master Services Agreement between Stantec and Client (the "MSA"), except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 *et seq*.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify adverse environmental conditions including recognized environmental conditions ("RECs") at the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

(1) Due to any release to the environment;

(2) Under conditions indicative of a release to the environment; or

(3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health

and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and a review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

(1) Information that is publicly available;

(2) Information that is obtainable from its source within reasonable time and cost constraints; and

(3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

The Assessor's Parcel Number (APN) for the Property is 6161-001-902.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with the Master Services Agreement between Stantec and Client (the "MSA") and the requirements of ASTM E 1527-13

and AAI. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report.

This report provides an evaluation of specified environmental conditions associated with the identified property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. 40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information. Stantec can neither warrant nor guarantee such thoroughness or reliability, however.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the preparation of this report, and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. Project Specific limiting conditions are provided in Section 2.2.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. The identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law or the MSA. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	Stantec was provided a User Questionnaire form completed by Ms. Kim Prijatel, Vice President of Development of City Ventures, dated April 12, 2018. Ms. Prijatel is not aware of any environmental issues associated with the Property.
Environmental Liens or Activity Use Limitations	No	Recorded title records or search results for any environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA. The lack of review of this information did not appear to affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.
Previous Environmental Permits or Reports Provided by User	No	No previous reports or permits were provided for the Property.
Purpose of the Phase I ESA	Yes	Due Diligence

Stantec forwarded the ASTM recommended User Questionnaire to Ms. Prijatel, Vice President of Development for City Ventures. The completed User Questionnaire returned to Stantec by Ms. Prijatel is included in Appendix C. The significant information provided by the user is summarized below.

1. Information on Environmental Cleanup Liens on Subject Property? **No**
2. Information on Subject property Activity or Use Limitations (including Institutional and Engineering Controls)? **No**
3. Specialized knowledge or experience of the User: **No**
4. Relationship of the purchase price/rent to fair market value of the Subject Property if it were not contaminated? **Does not believe purchase price has been reduced from fair market value.**

5. Commonly known or reasonably ascertainable information about the Subject Property? **The Property is a trucking location with the potential for oil and gas usage.**
6. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation? **None.**

3.1 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The Federal AAI rule (40 CFR §312.28) and ASTM E1527-13 require that all appropriate inquiry must take into account relevant and applicable specialized knowledge and experience on the part of the User regarding the Site, the area surrounding the Site, the conditions of adjoining properties, and any other experience relevant to identifying RECs on the Site.

Ms. Prijatel is familiar with the Site and knows of no RECs associated with the Site.

3.2 PURCHASE PRICE VS. PROPERTY VALUE

The Federal AAI rule (40 CFR §312.29) and ASTM E1527-13 require that persons seeking defense to or protection from liability under CERCLA must take into account the relationship of the purchase price to the fair market value of the property if it were not contaminated to assess whether or not the differential is due to the presence of releases or threatened releases of hazardous substances. This portion of the inquiry is the responsibility of the User, and the User has the option of sharing or not sharing this information with the Environmental Professional performing the Phase I ESA.

Stantec has not performed an independent evaluation of the purchase price of the property and its relationship to fair market value. Stantec submitted a written questionnaire to the User inquiring about the User's knowledge regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated.

Ms. Prijatel believes the purchase price reflects fair market value and has not been reduced due to any environmental issues.

The User provided information is included in Appendix C.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

Topography:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.
Soil/Bedrock Data:	According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.
Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

4.1.1 Property Topography and Surface Water Flow

The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast. Based on the topography, surface water on the Property infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.

The nearest surface water body is a creek known as San Gabriel River, located approximately ½ mile to the east of the Property.

4.1.2 Regional and Property Geology

The Property is located in Los Angeles County. The area is located within the Peninsular Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey ["CGS"], 2002). The vicinity consists of recent-age alluvium (CDMG, 1962). Soil at a facility 1,500 feet to the west is reportedly sand (Geotracker, 2015).

According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.

4.1.3 Regional and Property Hydrogeology

The Property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.04). The basin is located within the southeastern portion of Los Angeles County. The basin is constrained by the La Brea high to the north, bedrock core complexes to the northeast and east, a drainage province boundary to the southeast, and the Newport-Inglewood Fault to the southwest. Two forebays and one pressure area are present in the basin and water-bearing units consist of sand, gravel and clay up to 2,200 feet in thickness (Department of Water Resources [DWR], 2004).

According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred groundwater flow direction is likely to be

northwest direction. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property was identified in the environmental database report. The following table summarizes the listing for the Property:

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Office of State Wide Health Planning & Development 930 W Compton Boulevard Compton, CA 90220	HAZNET	Target Property	No
The Property is listed as disposing of polychlorinated biphenyls (PCBs), material containing PCBs, and asbestos off-site in 2004. This is likely during the building demolition activities. There are no violations related to the off-site disposal of the waste. Given there were no violations listed, the database listings are considered unlikely to represent an environmental condition to the Property.			

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Excel Cleaners 913 W Compton Boulevard Compton, CA 90220	EDR Hist Cleaner	60 feet / northeast	No
This facility is listed as dry cleaner in 1962. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Mac S Radiator Service 929 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	90 feet / north	No

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
This facility is listed as an auto radiator repair service in 1951. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Forst & Son 945 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	107 feet / north	No
This facility is listed as an auto repair service in 1947. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Blackshire & Marshall 1011 W Compton Boulevard Compton, CA 90220	RCRA Non Gen/NLR; FINDS; ECHO	108 feet / west	No
The facility is listed as a transported of hazardous wastes with no reported violations. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Hooper's Carpets / Sinclair C B 1001 W Compton Boulevard Compton, CA 90220	UST; EDR Hist Auto; LUST	162 feet / west-northwest	No
The facility was listed as various gasoline and oil service stations between 1947 and 1951 and Coopers Auto general auto repair in 2010. The facility is currently a carpet shop. The facility had one 1,000-gallon motor oil underground storage tank (UST) and two 2,000-gallon gasoline USTs that were closed in-place in March 2015. The Regional Water Quality Control Board (RWQCB) granted case closure on January 25, 2018 for a release of gasoline to soil. Given the distance, media involved, and closure status, this facility is unlikely to represent an environmental concern to the Property.			

The remaining listings in the database search report provided in Appendix D do not constitute a REC for the property.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property. Copies of responses from the regulatory agencies is provided in Appendix F.

4.3.1 Local Health Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Health (DPH) 5555 Ferguson Drive, Suite 120-04 Commerce, CA 90022	Stantec submitted a request to the Los Angeles County DPH on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.2 Department of Toxic Substances Control (DTSC)

Agency Name Contact Information	Finding
Department of Toxic Substances Control (DTSC) 5796 Corporate Ave., Cypress, CA 90630	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap. Additionally, Stantec researched the online database Envirostor managed by this agency (envirostor.dtsc.ca.gov). No records were found on the database website for the Property address.

4.3.3 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
City of Compton Building and Safety Division 205 S. Willowbrook Avenue Compton, CA 90220 Tel: (310) 605-5509	A request was submitted to the City of Compton Building and Safety Division on April 11, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.4 County Public Works Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Works (DPW) Environmental Programs Division UST Program 900 South Fremont Avenue, 3rd Floor Alhambra, California Tel: (626) 458-3517 http://ladpw.org/epd/CleanLA/OpenFileReview.aspx	According to an email dated April 11, 2018, from Mr. David Coscia, Program Manager II with the Los Angeles County Department of Public Works, there are no records for the Property. Additionally, Stantec researched the online database managed by this agency (http://ladpw.org/epd/CleanLA/OpenFileReview.aspx). No records were found on the database website for the Property. Stantec also research the Solid Waste Management System database managed by this agency (https://dpw.lacounty.gov/epd/swims/OnlineServices/search-methane-hazards-esri.aspx) to determine if methane mitigation is required for the Property. According to this database, the Property is not within 300 feet of an oil or gas well or within 1,000 feet of a methane producing site. Therefore, this agency does not require a methane mitigation system for future Property structures.

4.3.5 Fire Department

Agency Name Contact Information	Finding
County of Los Angeles Fire Department Health Hazardous Materials Division 5825 Rickenbacker Road Commerce, CA 90040 Tel: (323) 890-4045	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.6 California Regional Water Quality Control Board (CRWQCB)

Agency Name, Contact Information	Findings
California State Water Resources Control Board, Los Angeles (CRWQCB) 320 W 4th Street, Suite 200 Los Angeles, CA 90013 (213) 576-6600	Stantec researched the online database Geotracker managed by this agency (geotracker.waterbarods.ca.gov). No records were found on the database website for the Property address.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Land title records and deeds were not provided by the User, and public records were not searched by Stantec.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property, and Adjoining Properties
1928	1": 500'	The Property and adjacent land to the south appear to be used for light agricultural purposes. Compton Boulevard appears adjacent to the north beyond which are small structures. Dwight Avenue appears adjacent to the west.
1938	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1947	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. An increase in residential development appears to the north and south. The Compton Airport appears approximately 1,000 feet to the south.
1952	1": 500'	The Property appears to be vacant land. Residential development appears to the south. Kemp Avenue appears adjacent to the east. An increase in residential development appears in the surrounding area.
1963	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1977	1": 500'	The majority of the Property is developed with a large structure possibly a hospital. The western and southern portion of the property appears to be parking. The surrounding properties appears densely developed with residential structures.
1979	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1981	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. Commercial properties appear to the north beyond Compton Boulevard.
1989	1": 500'	The Property appears similar to the previous aerial photograph. The adjacent parcel to the east appears to be a vacant lot.
1994	1": 500'	The Property appears similar to the previous aerial photograph.
2002	1": 500'	The Property appears similar to the previous aerial photographs. The adjacent property to the east appears to be developed with multi-tenant residential structures.
2005	1": 500'	The Property appears to be a vacant lot. All structures and parking areas have been removed. The surrounding area appears similar to the previous aerial photographs.
2010 / 2012	1": 500'	The Property and surrounding area appears similar to the previous aerial photographs.

Name of aerial photograph source: EDR, 2018

The Property appears to have been used for light agricultural use until circa 1950. A large commercial building, possibly a hospital building, appears on the Property between 1977 and 2005. The building on the Property was demolished and remains a vacant lot at present day. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

4.4.3 City Directories

Stantec retained EDR to research available reverse city directories for the Property, in approximately five year intervals for the years spanning 1920 through 2014. The following is a summary of Stantec's review of the city directory listings:

Subject/Adjoining Property	Year	Listed Occupants
Subject Property: 930 W Compton Boulevard	1995	Kazi Residential Drug Program
Subject Property: 930 W Compton Boulevard	1980	Compton Care Inc
Subject Property: 930 W Compton Boulevard	1976	Willows Resident School & Day Care Center
Subject Property: 930 W Compton Boulevard	1971	Willows Convalescent Hospital

Name of city directories and source: Cole Information Services and Haines Criss-Cross Directory.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec contracted with a third party to search for copies of historical fire insurance maps covering the subject and immediately adjacent properties. The Sanborn® Map Search Report is presented in Appendix E.

Year	Occupant of Property/Adjoining Properties; Indications of Hazardous Substance or Petroleum Usage
1938	The Property is not depicted on the Sanborn Map. West Compton Boulevard appears adjacent to the north beyond which are dwellings. The El Retiro Psychopathic Ward with dormitories and an administration building appear adjacent to the east.

Name of maps and source: EDR, 2018

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-Minute Topographic Maps of the South Gate, Inglewood, Long Beach, and Torrance, California Quadrangles (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern. Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1896 / 1899 / 1902	1:62,500	The map is large scale of the area in the vicinity of the Property. No structures or other features are observable on the Property from this map. A creek appears adjacent to the north-east.
1923 / 1924; 1930	1:24,000	No structures or other features are observable on the Property. The Compton Sanitarium appears adjacent to the east. Redondo Boulevard appears adjacent to the north.
1937	1:24,000	The Property is not located on this map.
1942; 1943; 1947/1948	1:62,500 1:50,000	No structures are observable on the Property from this map. The city of Compton appears to the northeast. Compton Creek appears to the north-east.
1949/1950/1951; 1952; and 1964	1:24,000	No structures are observable on the Property from this map. Multiple buildings associated with the Compton Sanitarium appear adjacent to the east.
1972 and 1981	1:24,000	The Property and surrounding area appear similar to the previous topographic map. No structures are present on the Property.
2012	1:24,000	No site detail is shown on this map.

Name of maps and source: EDR, 2018.

4.4.6 Other Historical Sources

Stantec was not provided with any historical reports for the Property.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Ms. Alicia Jansen, Associate Scientist with Stantec on April 20, 2018. Access to the Property was provided by Ms. Kim Prijatel, Vice President of Development of City Ventures. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.

Weather conditions during the visit to the Property were clear and sunny. There were no weather related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located southeast corner of the intersection of West Compton Boulevard and South Dwight Avenue in the City of Compton, Los Angeles County, California. The surrounding area is a mixture of commercial, retail, restaurants, and residential properties.
Property Operations.	None observed.
Structures, Roads, Other Improvements:	The Property is consists of a vacant lot with no structures or roads present. The Property is surrounded by a locked fence.
Property Size (acres):	Approximately 2.45 acres.
Estimated % of Property Covered by Buildings and/or Pavement:	0%
Observed Current Property Use/Operations:	The Property is consists of a vacant lot with no structures or roads present.
Observed Evidence of Past Property Use(s):	None observed.

Sewage Disposal Method (and age):	City of Compton.
Potable Water Source:	City of Compton.
Electric Utility:	Southern California Edison.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

Given there were no structures on the Property this section is not applicable.

Observations	Description
Heating/Cooling Method:	N/A
Surface Stains or Corrosion:	N/A
Floor Drains and Sumps:	N/A
Other Interior Observations:	N/A

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	Household debris (furniture, dresser, headboard, etc) were observed outside the fenced gate on the southwestern corner of the Property.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	None observed.
Stormwater:	Surface water infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.
Wells:	None observed.
Septic Systems:	None observed.
Other Exterior Observations:	An unlabeled aboveground pipe was observed along the southcentral perimeter within the Property boundary.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches) which would indicate the presence of USTs was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed or reported to Stantec.

5.7 ABOVEGROUND STORAGE TANKS (AST)

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the presence of ASTs was discovered during this Phase I ESA.
Former ASTs:	None observed or reported to Stantec.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	West Compton Boulevard beyond which are retail, restaurants and commercial businesses.
SOUTH	West 151st Street beyond which are residential structures
EAST	South Kemp Avenue beyond which are residential structures
WEST	South Dwight Avenue beyond which are a liquor store and residential structures

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.

6.0 INTERVIEWS

The Property was vacant at the time of the site reconnaissance; therefore, no site interview was conducted. Given the historical records available, the lack of an on-site interview is not considered a significant data gap and is unlikely to impact the conclusions of this report.

7.0 EVALUATION

This section provides a summary overview of Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property.

Opinion 1: Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

Finding 2: An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property that may represent RECs, HRECs, or de minimis conditions.

Opinion 2: Based on one or more of the following reasons: distance from the Property, position of sites with respect to assumed groundwater flow direction, the native soils, and regulatory status, none of the sites identified in the in the environmental records search report are expected to affect soil or groundwater quality at the Property. The environmental records search identified no RECs, HRECs or de minimis conditions at or near the Property.

Finding 3: Recorded title records and search results for environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA.

Opinion 3: The lack of review of this information did not affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.

7.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	As of the date of this report no response has been received from multiple environmental agencies. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from the multiple environmental agencies would alter the conclusions or recommendations of this report.
Data Gaps From Historical Records Review:	None
Data Gaps From Interviews:	None
Other Data Gaps:	None

7.3 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 et seq.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

8.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

The age of the dwelling as follows: maximum risk is from paint applied before 1950.

There is severe risk from paint applied before 1960.

There is moderate risk from deteriorated paint applied before 1970.

There is slight risk from the paint that is intact but applied before 1977.

The condition of the painted surfaces.

The presence of children and certain types of households in the building.

Previously reported cases of lead poisoning in the building or area.

Given there are no structures on the Property, LBP is not an environmental concern.

8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition, in order to determine the need for compliance with EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Given there are no structures on the Property, ACMs are not considered an environmental concern for the Property.

8.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA on average indoor radon concentrations in the vicinity of the Property (http://www.epa.gov/radon/zonemap.html).

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)
Normally-occupied sub grade areas present? (i.e., basement apartments, offices, stores, etc.)		
None		

The property is located in Zone 2 and is considered to have moderate potential for radon. None of the 4 tests conducted in zip code 90220 (zip code for the Property) were above 4 pCi/L. To determine Property-specific radon levels, a radon survey would have to be conducted. However, based on the information available, Stantec concludes that radon appears unlikely to represent an environmental concern to the Property and recommends no further investigation regarding this issue.

8.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is not located within a 100-year or 500-year flood plain.

9.0 REFERENCES

American Society for Testing and Materials (ASTM) International, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2018, website http://www.consrv.ca.gov/dog/maps

California Geological Survey (CGS), 2018, website http://maps.conservation.ca.gov/cgs/fam/

Department of Toxic Substances and Control, 2018, website http://www.envirostor.dtsc.ca.gov/public/

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5253592.2s, dated April 10, 2018.

_____, Certified Sanborn Map Report, Inquiry Number 5253592.3, dated April 10, 2018.

_____, Historical Topographic Map Report, Inquiry Number 5253592.4, dated April 10, 2018

_____, Aerial Photo Decade Package, Inquiry Number 5253592.5, dated April 10, 2018.

_____, City Directory Abstract, Inquiry Number 5253592.6, dated April 10, 2018.

State Water Resource Control Board's Geotracker, 2018, website https://geotracker.waterboards.ca.gov/

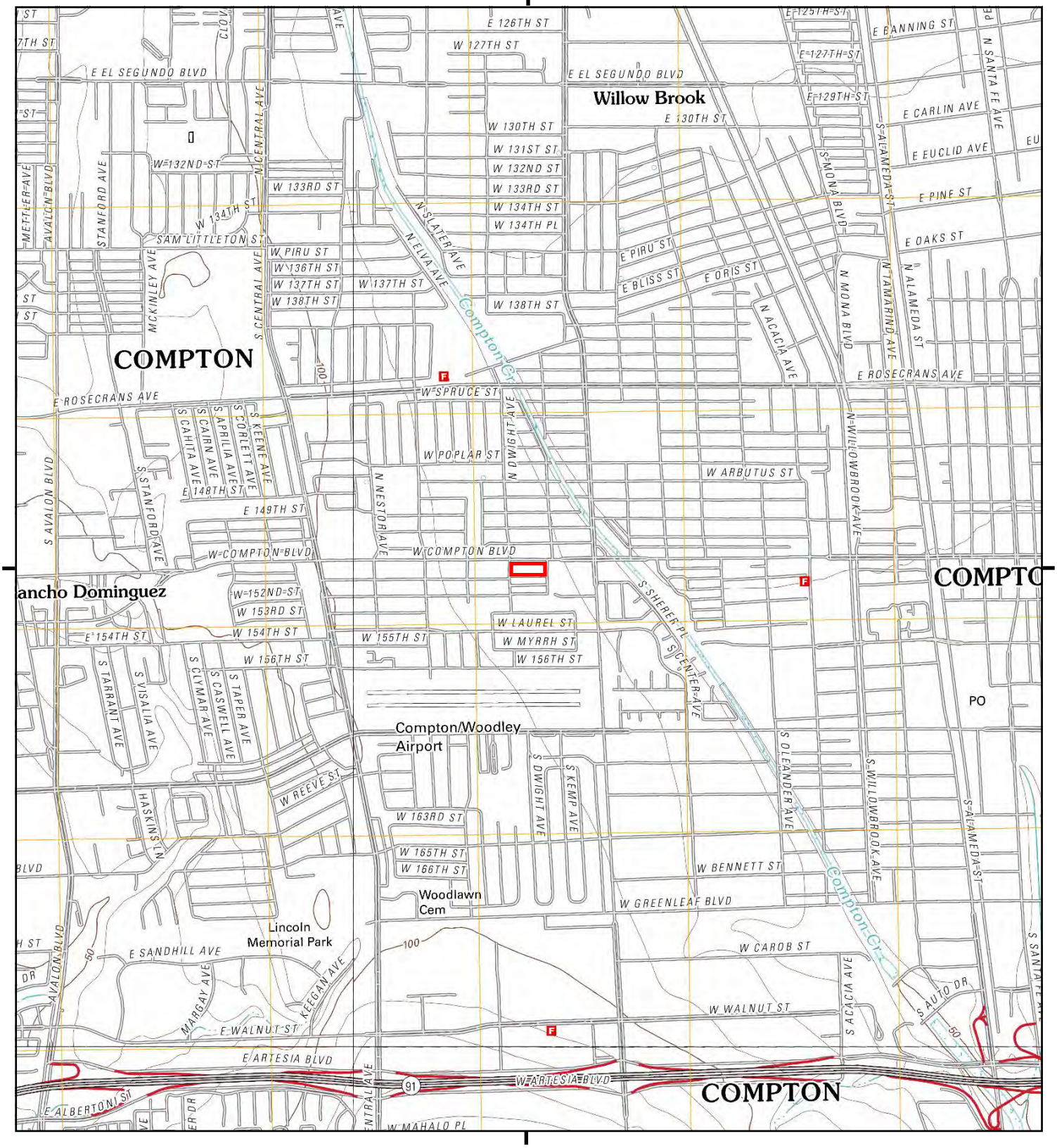
United States Geological Survey (USGS), 2012, South Gate, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

United States Geological Survey (USGS), 2018, website.
https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm

FIGURES

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

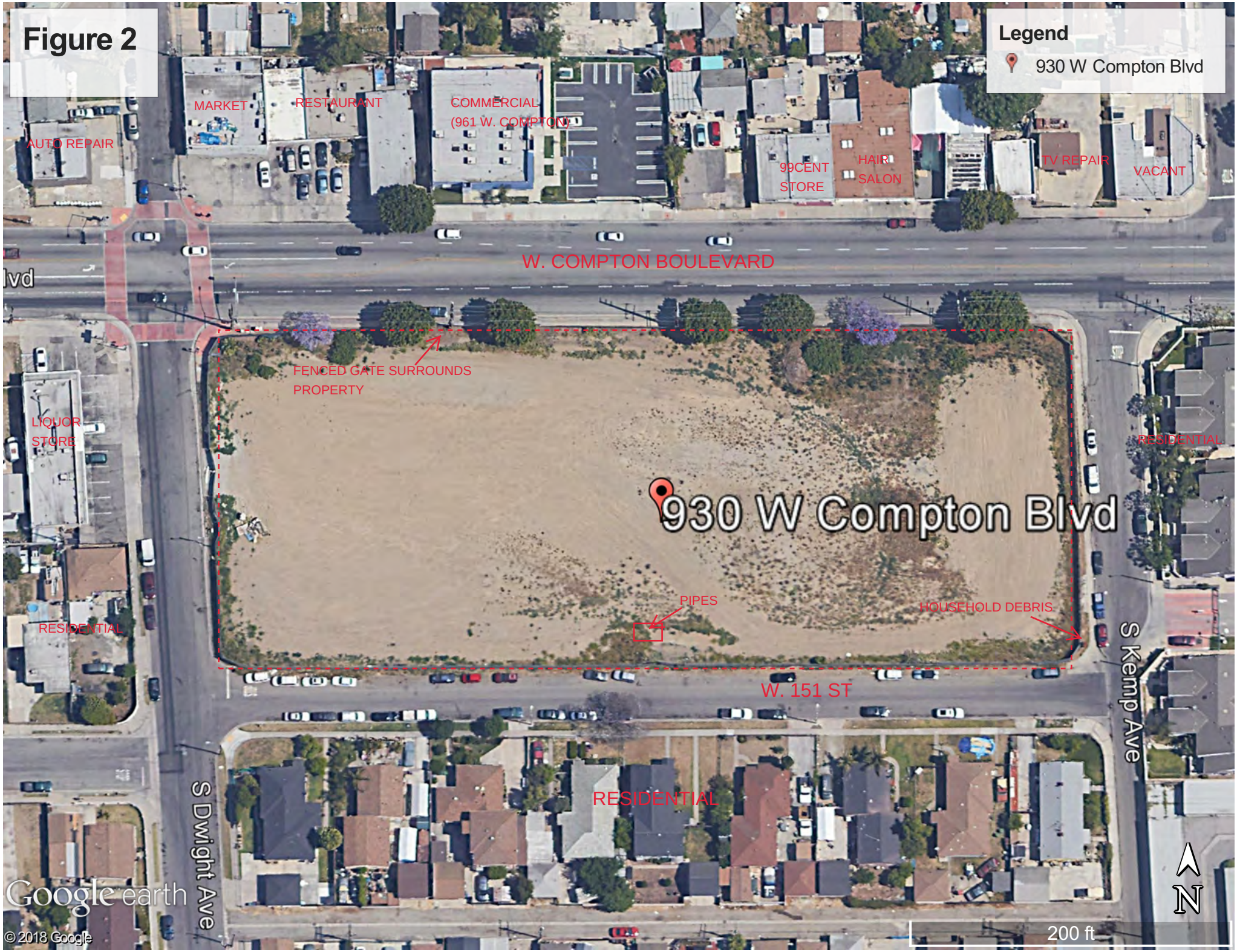


Figure 2
Legend
930 W Compton Blvd
MARKET
RESTAURANT
COMMERCIAL
(961 W. COMPTON)
AUTO REPAIR
99CENT
STORE
HAIR
SALON
TV REPAIR
VACANT
W. COMPTON BOULEVARD
FENCED GATE SURROUNDS
PROPERTY
LIQUOR
STORE
RESIDENTIAL
930 W Compton Blvd
PIPES
HOUSEHOLD DEBRIS
RESIDENTIAL
W. 151 ST
S Kemp Ave
S Dwight Ave
RESIDENTIAL
Google earth
© 2018 Google
N
200 ft

Appendix A PHOTOGRAPHS OF THE PROPERTY AND VICINITY

Photo #1 View of the Property looking west.

Photo #2 View of pipes on the south-central perimeter of the Property.

Photo #3 View of the debris left on the southeastern corner of the Property outside the Property gate at South Kemp Avenue and West 151st Street.

Photo #4 View of West 151st Street and residential structures to the south.

Photo #5 View of South Kemp Avenue beyond which are residential structures to the east.

Photo #6 View of South Dwight Avenue beyond which is a liquor market and residential to the west.

Photo #7 View of West Compton Boulevard beyond which are retail and restaurants to the north.

Photo #8 View of the Property looking north.

Appendix B STANTEC RESUMES

Alicia R Jansen CAC, LRCIA

Environmental Scientist

Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Indoor Air Quality Assessments*, San Jose, California (Staff)
Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)
Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)
Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)
Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)
Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)
Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)
Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Remedial Investigations & Assessments

Multiple Confidential Clients, Phase I Environmental Site Assessments (ESA), Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

Homebuilder, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I ESAs and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

** denotes projects completed with other firms*

Dion Monge

Project Scientist

Dion has extensive knowledge of underground storage tank investigations, Phase I and II environmental site assessment, groundwater monitoring and reporting, soil, soil vapor, and groundwater quality assessments, and testing for asbestos and lead based paint. His project experience is extensive and wide ranging and includes many types of soil, soil vapor, and groundwater assessment and monitoring for planned, existing, and former sites. Dion also has experience in testing fill soils placed on grading sites.

He has experience on redevelopment of former oil field sites that include submittal of construction site review plans, oil well mitigation (venting and casing alterations), abandonment of oil wells, and remedial investigations and remediation involving soil contamination.

Dion also has experience working with 1166 AQMD air monitoring on projects ranging from limited access dry cleaner excavations, solvent excavations, and petroleum excavations related to underground storage tank releases. Included in this type of monitoring is the assessment of a safe work environment for the contractors involved with this type of work.

He has considerable knowledge in asbestos and lead based paint sampling as a building inspector and lead sampling technician. Asbestos and lead based paint surveys have ranged from large office buildings to sampling highway bridges.

EDUCATION

BS, Soil Science, California Polytechnic University, Pomona, Pomona, California, 2004

Health & Safety Certification (29 CFR 1910.120),, 40-Hour OSHA Health & Safety Certification, Redlands, California, 2005

Health & Safety Annual Update Certification, 8-Hour OSHA, Redlands, California, 2009

First Aid/CPR, American Red Cross, Redlands, California, 2009

Certified Building Inspector, AHERA 8-Hour Refresher, Redlands, California, 2009

PROJECT EXPERIENCE

Asbestos, Lead Based Paint, and Hazardous Material Management

Haller Wash Bridge No. 54-0891R&L, San Bernardino County, California (Asbestos and Lead-Based Paint Sampling Assistant)

Dion conducted asbestos and lead based paint survey on highway bridge. He assisted with planning field operations, measuring bridge dimensions, and collecting samples. Tasks included sample collection, bridge measurements, and documentation.

Project Management Oversight

Magnolia Plaza, Fountain Valley, California

Dion is providing project management of soil, soil vapor, and quarterly groundwater sampling related to a solvent release at a former dry cleaning facility. Tasks include preparation of work plans for approval by the Regional Water Quality Control Board and oversight of field sampling, including lithologic logging, for soil and soil vapor investigations performed within a multi-tenant strip center. Additional tasks include preparation of investigative reports and quarterly groundwater monitoring reports. The site remains an open case and preparation of a work plan to use electrical resistive heating ("ERH") will be prepared in the coming weeks.

Dion Monge

Project Scientist

Former Superb Dry Cleaners, Anaheim, California
Dion performed field oversight, direction, and confirmation soil sampling of a limited access excavation within a former dry cleaner unit. Post excavation field activities included application of a barrier type floor sealant along with post excavation indoor air sampling. Remedial work led to regulatory closure being granted from the local agency.

Site Assessment

Proposed Friends Christian High School, Yorba Linda, California
Dion prepared preliminary site assessment (PSA) report for future private school site to identify recognized environmental conditions ("RECs") related to past property usage as an oil field with 21 oil wells abandoned prior to 1990. Completion of the PSA led to his management of the project through site closure. Field investigations and reporting by Dion included Phase II investigations, methane survey, oil well leak testing and venting, backfill and compaction (including soils testing), DOGGR Construction Site Review, and excavation and onsite management of more than 5,000 cubic yards of petroleum impacted soils.

SR-58 Widening, San Bernardino County, California
Dion performed Initial Site Assessment (ISA) for Caltran at Kramer Junction for the proposed widening of State Route 58. The ISA was performed in accordance with guidelines promulgated by the American Society for Testing and Materials (ASTM) and included historical research and coordination of permit/file reviews with local building/planning departments and environmental agencies. Dion's role included the field visit, observation documentation, agency reviews, and reporting.

Soil Sampling

Caltrans I-15, Task Order 28, Hesperia, California
Dion conducted a soil investigation for metals analysis alongside I-15 for disposal recommendations during construction of mortar-lined channels at several locations. He assisted with planning field operations and collected soil samples. Tasks included sample collection, preservation, and documentation.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Kyle has more than 28 years of professional experience—17 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developedl for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminates involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Enerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately $2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than $1 million. Total cost was less than $250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)
Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was $22 million. The case is settled and the closure of the site is pending.

Project Management
Liability and Property Management Consulting Services
Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development
Environmental Development Management and Review (Project Manager)
Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation
Design and Implementation of Biodegradation Programs*, California
Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems
Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manger)
Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*
Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*
Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial
Glendale Redevelopment Project, Glendale, California (Project Manager)
Kyle managed the assessment and remedial actions during the redevelopment of and industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was $450,000.00.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been $2.8 million to date.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

Appendix C USER PROVIDED RECORDS

Stantec Consulting Services Inc.
25864-F Business Center Drive, Redlands, CA 92374-4515
Phone: 909-335-6116
Fax: 909-335-6120

PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser,* or *contiguous property owner,* ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec Consulting Services Inc.

1. Property Information

   Property Name: Compton 1

   Property Address: 930 W. Compton Blvd.

   City: Compton State CA Zip _____

   Property Owner Name: Community Redevelopment Agency of Compton

   Property Owner Phone #: (310) 605-5697

2. Contact For Site Access

   Name: Leslie Nacionales-Tafoya

   Company/Organization/Title: City of Compton

   Phone # 310-605-5697 E-Mail Address: lnacionales-tafoya@comptoncity.org

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

   _____ Yes _X_ No

   If yes, describe or attach details of the lien _____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes _____X_____ No

If yes, describe or attach details of the limitations _____

_____

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____X_____ No

If yes, describe or attach details of your specialized knowledge or experience _____

_____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____X_____No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____Not applicable. User is not involved in a purchase of the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____Yes (describe) _____

_____

__X__No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

____Yes (describe) _____

_____

__X__No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

____Yes (describe) _____

_____

__X__No

Do you know of any environmental cleanups that have taken place at the property?

____Yes (describe) _____

_____

__X__No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of contamination at the property?

____Yes (describe) _____

_____

__X__No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

____Yes (describe) _____

_____

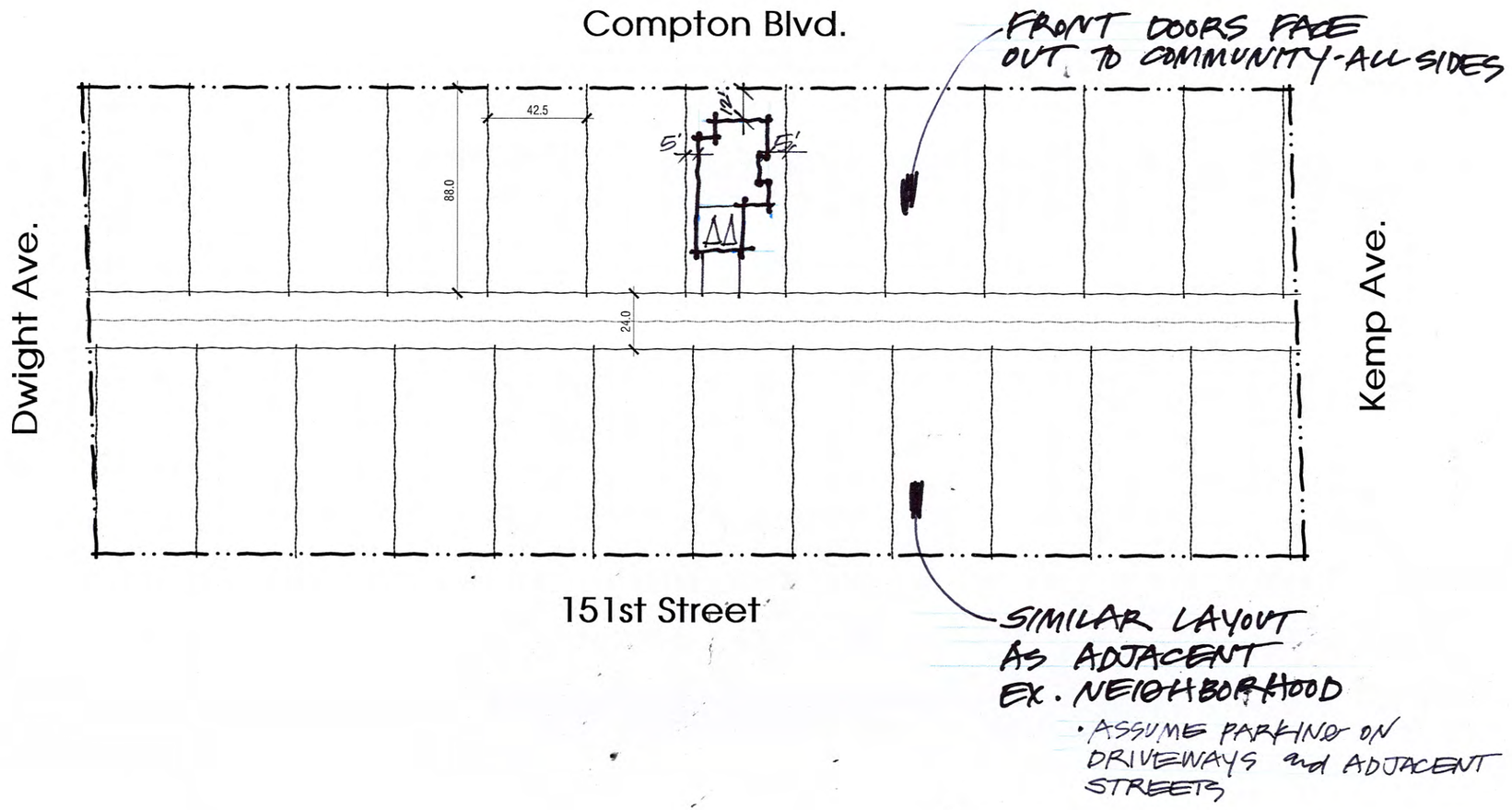
__X__No

Signature: _____

Name (printed): Kim Prijatel

Title: VP Development

Date: 4/10/18



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 42.5' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for Driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 1

0 15 30 60

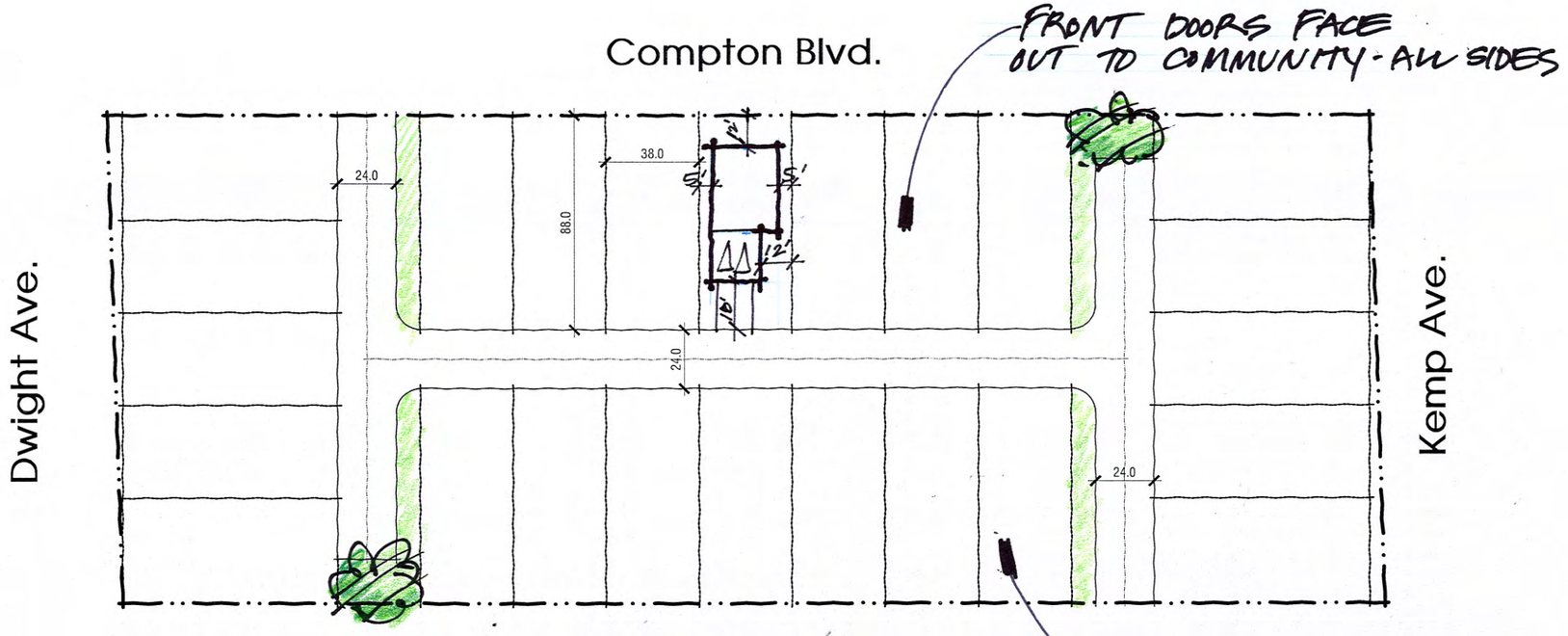
Temple and Gibson Site

Compton, CA

City Ventures

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.wharchitects.com fax 949 250 1529

2013039.00 February 6, 2013



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 38' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 2

Temple and Gibson Site

Compton, CA

City Ventures

0 15 30 60

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.whharchitects.com fax 949 250 1529

2013039.00 February 6, 2013

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.2s
April 11, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

930 COMPTON BOULEVARD
COMPTON, CA 90220

COORDINATES

Latitude (North):	33.8954860 - 33° 53' 43.74''
Longitude (West):	118.2409400 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
930 COMPTON BOULEVARD
COMPTON, CA 90220

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OFFICE OF STATE WIDE	930 W COMPTON BLVD	HAZNET		TP
A2	EXCEL CLEANERS	913 W COMPTON BLVD	EDR Hist Cleaner	Lower	60, 0.011, NE
A3	MAC S RADIATOR SERVI	929 W COMPTON	EDR Hist Auto	Lower	90, 0.017, NNE
A4	FORST & SON	945 W COMPTON BLVD	EDR Hist Auto	Lower	107, 0.020, North
B5	BLACKSHIRE & MARSHAL	1011 W COMPTON BLVD	RCRA NonGen / NLR, FINDS, ECHO	Higher	108, 0.020, WNW
6	FASHION CLEANERS	901 W COMPTON	EDR Hist Cleaner	Lower	139, 0.026, NE
B7	HOOPER'S CARPETS	1001 W COMPTON BLVD	UST	Higher	155, 0.029, WNW
B8	SINCLAIR C B	1001 W COMPTON BLV	EDR Hist Auto	Higher	162, 0.031, WNW
B9	HOOPER'S CARPET	1001 COMPTON BLVD W	LUST	Higher	162, 0.031, WNW
B10	EXOTIC MOTEL	1100 W COMPTON BLVD	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	266, 0.050, West
11	JOE JOHNSON/VACANT L	1205 W COMPTON BLVD	SWEEPS UST	Higher	473, 0.090, West
C12	COMPTON WOODLEY AIRP	901 WEST ALONDRA BLV	SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS...	Higher	1992, 0.377, SSE
C13	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
C14	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
D15	SHELL #204-1740-0304	803 ALONDRA BLVD W	LUST	Higher	2467, 0.467, SSE
D16	SHELL #204-1740-0304	803 ALONDRA	HIST CORTESE	Higher	2467, 0.467, SSE
17	JOHNSON CONTROLS INC	1707 WEST COMPTON BL	RCRA-SQG, LUST, SWEEPS UST, FINDS, ECHO, HAZNET,...	Higher	2514, 0.476, West
18	A & P GAS	1050 ALONDRA BLVD W	LUST	Higher	2571, 0.487, South
19	413 WEST COMPTON BOU	413 WEST COMPTON BOU	ENVIROSTOR	Lower	3274, 0.620, East
20	UNIFORM RENTAL SERVI	730 E. 139TH ST.	ENVIROSTOR	Lower	3698, 0.700, NNE
21	PLAZA CLEANERS	1904 W. ROSECRANS AV	ENVIROSTOR, DRYCLEANERS, EMI	Higher	3920, 0.742, WNW
22	CENTRAL AIRPORT		ENVIROSTOR	Higher	5205, 0.986, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
OFFICE OF STATE WIDE 930 W COMPTON BLVD COMPTON, CA 90220	HAZNET GEPAID: CAC002580652	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-SQG RCRA - Small Quantity Generators
RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
SLIC Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
AST Aboveground Petroleum Storage Tank Facilities
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory

DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- San Gabriel Valley Areas of Concern
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database

HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
EMI Emissions Inventory Data
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
LOS ANGELES CO. HMS HMS: Street Number List
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
UIC UIC Listing
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLAZA CLEANERS Facility Id: 19720019 Status: Refer: 1248 Local Agency	***1904 W. ROSECRANS AV***	***WNW 1/2 - 1 (0.742 mi.)***	***21***	***50***
CENTRAL AIRPORT Facility Id: 80000846 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.986 mi.)	22	52

Lower Elevation	Address	Direction / Distance	Map ID	Page
413 WEST COMPTON BOU Facility Id: 60001929 Facility Id: 60001914 Status: No Action Required Status: Inactive - Needs Evaluation	413 WEST COMPTON BOU	E 1/2 - 1 (0.620 mi.)	19	47
UNIFORM RENTAL SERVI Facility Id: 19720038 Status: Refer: 1248 Local Agency	730 E. 139TH ST.	NNE 1/2 - 1 (0.700 mi.)	20	49

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPET	1001 COMPTON BLVD W	WNW 0 - 1/8 (0.031 mi.)	B9	11
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000006793				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C13	24
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: R-08082 Global Id: T0603792989 Global Id: T0603704769 Global ID: T0603704769 Status: Case Closed				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C14	36
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-08082A Global ID: T0603792989 Status: Leak being confirmed				
SHELL #204-1740-0304	803 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.467 mi.)	D15	37
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-09002 Global Id: T0603703330 Global ID: T0603703330 Status: Case Closed				
JOHNSON CONTROLS INC	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 902200016 Global Id: T0603701244 Global ID: T0603701244 Status: Case Closed				
A & P GAS	1050 ALONDRA BLVD W	S 1/4 - 1/2 (0.487 mi.)	18	45
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000004565				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPETS Database: UST, Date of Government Version: 03/12/2018 Facility Id: LACoFA	1001 W COMPTON BLVD	WNW 0 - 1/8 (0.029 mi.)	B7	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Status: A Tank Status: A Comp Number: 14599	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***
JOE JOHNSON/VACANT L Status: A Comp Number: 13335	1205 W COMPTON BLVD	W 0 - 1/8 (0.090 mi.)	11	14

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Facility Id: 19009158 Status: A	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLACKSHIRE & MARSHAL	***1011 W COMPTON BLVD***	***WNW 0 - 1/8 (0.020 mi.)***	***B5***	***9***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMPTON WOODLEY AIRP Reg Id: R-08082	***901 WEST ALONDRA BLV***	***SSE 1/4 - 1/2 (0.377 mi.)***	***C12***	***15***
SHELL #204-1740-0304	803 ALONDRA	SSE 1/4 - 1/2 (0.467 mi.)	D16	39
JOHNSON CONTROLS INC Reg Id: 902200016	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SINCLAIR C B	1001 W COMPTON BLV	WNW 0 - 1/8 (0.031 mi.)	B8	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
MAC S RADIATOR SERVI	929 W COMPTON	NNE 0 - 1/8 (0.017 mi.)	A3	9

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORST & SON	945 W COMPTON BLVD	N 0 - 1/8 (0.020 mi.)	A4	9

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

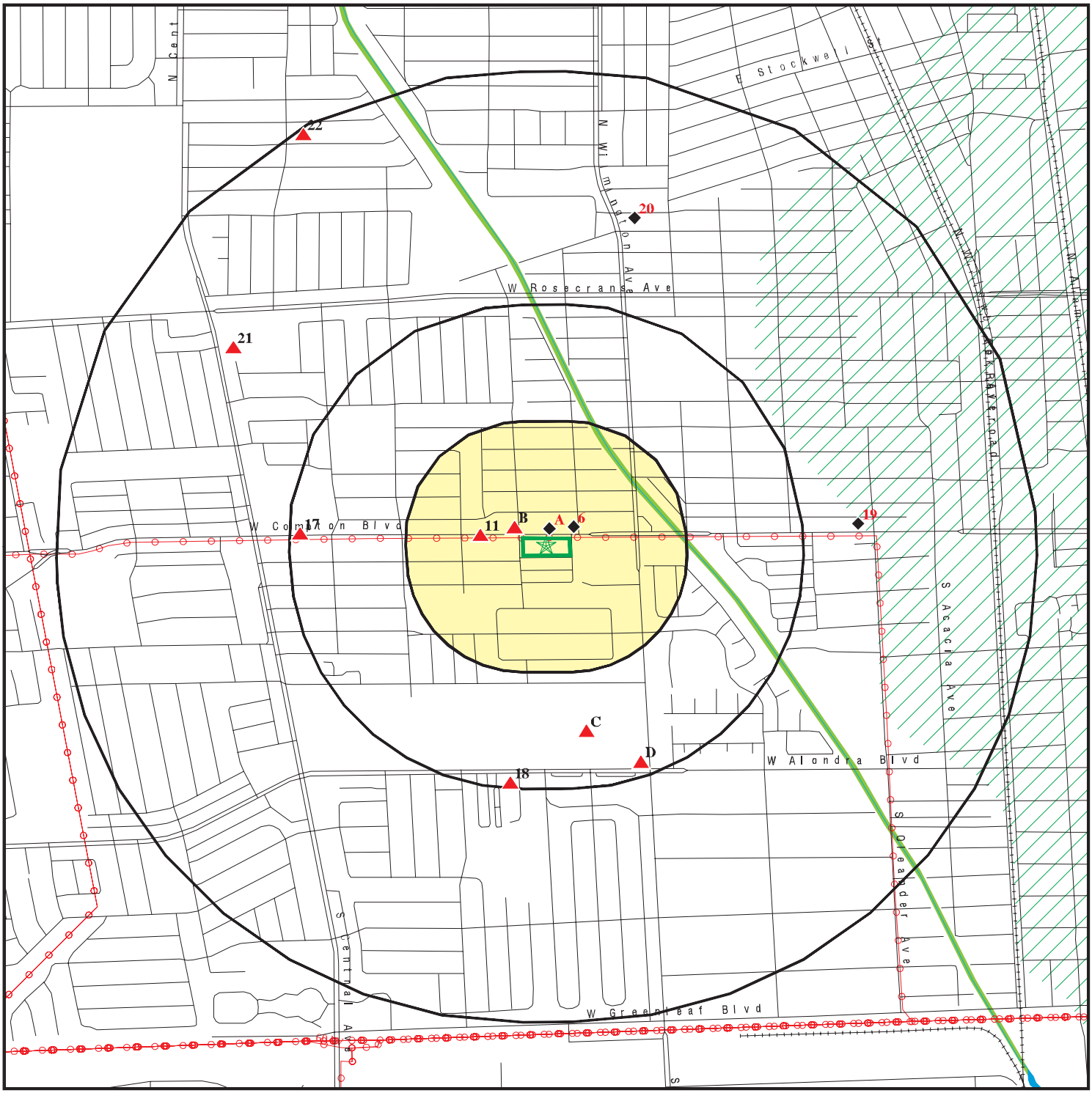
Lower Elevation	Address	Direction / Distance	Map ID	Page
EXCEL CLEANERS	913 W COMPTON BLVD	NE 0 - 1/8 (0.011 mi.)	A2	8
FASHION CLEANERS	901 W COMPTON	NE 0 - 1/8 (0.026 mi.)	6	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
KING/DREW MEDICAL MAGNET	LUST, HIST CORTESE
	CDL
	CDL
	CDL
DOMINGUEZ ENERGY REYES LEASE - ARE	SLIC

OVERVIEW MAP - 5253592.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard ADDRESS: 930 Compton Boulevard Compton CA 90220 LAT/LONG: 33.895486 / 118.24094	CLIENT: Stantec CONTACT: Alicia Jansen INQUIRY #: 5253592.2s DATE: April 11, 2018 8:09 am

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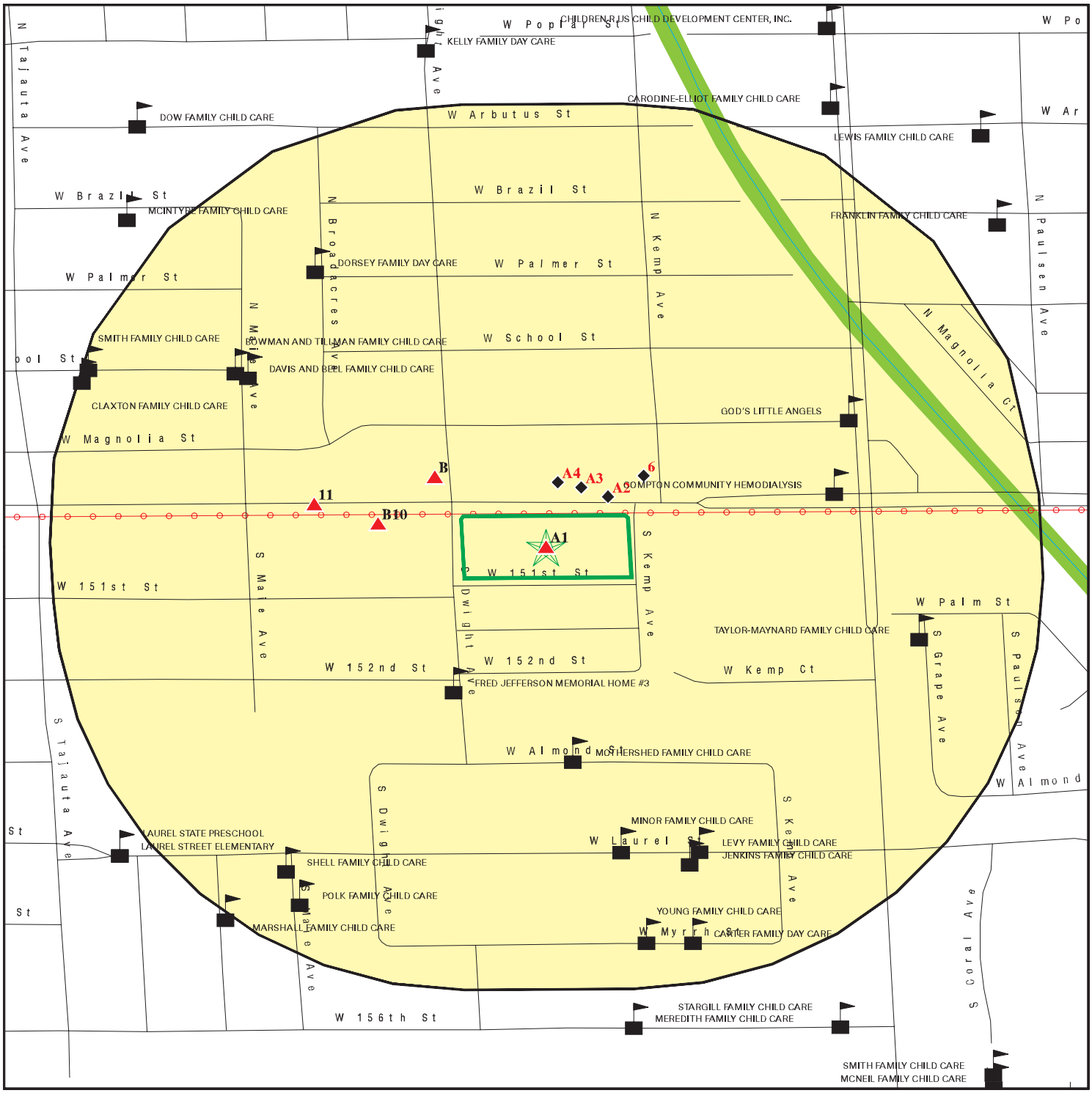
DETAIL MAP - 5253592.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard	CLIENT: Stantec
ADDRESS: 930 Compton Boulevard Compton CA 90220	CONTACT: Alicia Jansen INQUIRY #: 5253592.2s
LAT/LONG: 33.895486 / 118.24094	DATE: April 11, 2018 8:10 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	4	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	0	5	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	0	NR	NR	NR	2
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		1	11	0	8	4	0	24

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **OFFICE OF STATE WIDE HEALTH PLANNING & DEVELOPMENT** **HAZNET** **S112939552**
Target **930 W COMPTON BLVD** **N/A**
Property **COMPTON, CA 90220**

Site 1 of 4 in cluster A

Actual: **82 ft.**

HAZNET:

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	CAR000156125
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Recycler
Tons:	0.55
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0.84
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A2 **EXCEL CLEANERS** **EDR Hist Cleaner** **1009125842**
NE **913 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA 90220**
0.011 mi.
60 ft. **Site 2 of 4 in cluster A**

Relative: **Lower**

EDR Hist Cleaner

Actual: **81 ft.**

Year:	Name:	Type:
1962	EXCEL CLEANERS	Not reported

A3 **MAC S RADIATOR SERVICE** **EDR Hist Auto** **1009048091**
NNE **929 W COMPTON** **N/A**
< 1/8 **COMPTON, CA**
0.017 mi.
90 ft. **Site 3 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1951 MAC S RADIATOR SERVICE AUTOMOBILE RADIATOR REPAIRERS

A4 **FORST & SON** **EDR Hist Auto** **1009016987**
North **945 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA**
0.020 mi.
107 ft. **Site 4 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1947 FORST & SON AUTOMOBILE REPAIRING
1947 FORST & SON AUTOMOBILE REPAIRING

B5 **BLACKSHIRE & MARSHALL** **RCRA NonGen / NLR** **1000173572**
WNW **1011 W COMPTON BLVD** **FINDS** **CAD981685076**
< 1/8 **COMPTON, CA 90220** **ECHO**
0.020 mi.
108 ft. **Site 1 of 5 in cluster B**

Relative: RCRA NonGen / NLR:
Higher

Actual: Date form received by agency: 10/27/1986
83 ft. Facility name: BLACKSHIRE & MARSHALL
Facility address: 1011 W COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981685076
Mailing address: W COMPTON BLVD
COMPTON, CA 90220
Contact: ENVIRONMENTAL MANAGER
Contact address: 1011 W COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-632-9228
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BLACKSHIRE & MARSHALL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner

BLACKSHIRE & MARSHALL (Continued) **1000173572**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751996

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000173572
Registry ID: 110002751996
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002751996

6
NE
< 1/8
0.026 mi.
139 ft.

FASHION CLEANERS
901 W COMPTON
COMPTON, CA 90220

EDR Hist Cleaner **1009125864**
N/A

Relative:
Lower

Actual:
80 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1962	FASHION CLEANERS	Not reported

B7
WNW
< 1/8
0.029 mi.
155 ft.

HOOPER'S CARPETS
1001 W COMPTON BLVD
COMPTON, CA 90220
Site 2 of 5 in cluster B

UST **U004265836**
N/A

Relative:
Higher

Actual:
83 ft.

UST:

Facility ID:	LACoFA
Permitting Agency:	Los Angeles County Fire Department
Latitude:	33.8961
Longitude:	-118.24212

B8
WNW
< 1/8
0.031 mi.
162 ft.

SINCLAIR C B
1001 W COMPTON BLVD
COMPTON, CA
Site 3 of 5 in cluster B

EDR Hist Auto **1009015805**
N/A

Relative:
Higher

Actual:
83 ft.

EDR Hist Auto

Year:	Name:	Type:
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1951	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
2010	COOPERS AUTO	General Automotive Repair Shops

B9
WNW
< 1/8
0.031 mi.
162 ft.

HOOPER'S CARPET
1001 COMPTON BLVD W
COMPTON, CA 90220
Site 4 of 5 in cluster B

LUST **S117896754**
N/A

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006793
Global Id:	T10000006793
Latitude:	33.8961
Longitude:	-118.24211
Status:	Completed - Case Closed
Status Date:	01/25/2018
Case Worker:	MB
RB Case Number:	R-14568
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported

HOOPER'S CARPET (Continued) **S117896754**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000006793
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Reported

Global Id: T10000006793
Action Type: RESPONSE
Date: 06/08/2015
Action: Other Report / Document

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 06/02/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 01/25/2018
Action: Closure/No Further Action Letter

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Began

Global Id: T10000006793
Action Type: RESPONSE
Date: 08/14/2017
Action: Site Assessment Report

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 03/15/2017
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 05/04/2015
Action: Referral to Regional Board

Global Id: T10000006793
Action Type: RESPONSE

HOOPER'S CARPET (Continued) **S117896754**

Date: 02/22/2016
Action: Soil and Water Investigation Workplan

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 11/20/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 10/12/2017
Action: Notification - Preclosure

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Discovery

LUST:
Global Id: T10000006793
Status: Open - Case Begin Date
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Site Assessment
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Eligible for Closure
Status Date: 10/12/2017

Global Id: T10000006793
Status: Completed - Case Closed
Status Date: 01/25/2018

B10 **EXOTIC MOTEL** **SWEEPS UST** **S101584168**
West **1100 W COMPTON BLVD** **CA FID UST** **N/A**
< 1/8 **COMPTON, CA 90220** **LOS ANGELES CO. HMS**
0.050 mi.
266 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
84 ft.

SWEEPS UST:
Status: Active
Comp Number: 14599
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-10-89
Action Date: 11-10-89
Created Date: 11-10-89
Owner Tank Id: UL-E-583756
SWRCB Tank Id: 19-000-014599-000001
Tank Status: A
Capacity: 12000
Active Date: 11-10-89
Tank Use: OIL
STG: P

EXOTIC MOTEL (Continued) **S101584168**

Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19009158
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135671251
Mail To: Not reported
Mailing Address: 866 CALIFORNIA AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: COMPTON 90220
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 014105-014599
Facility Type: Not reported
Facility Status: Removed
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

11
West
< 1/8
0.090 mi.
473 ft.

JOE JOHNSON/VACANT LOT **SWEEPS UST** **S106927840**
1205 W COMPTON BLVD **N/A**
INGLEWOOD, CA

Relative: Higher

Actual: 85 ft.

SWEEPS UST:
Status: Active
Comp Number: 13335
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

C12
SSE
1/4-1/2
0.377 mi.
1992 ft.

Relative:
Higher

Actual:
87 ft.

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A &
901 WEST ALONDRA BLVD
COMPTON, CA 90220

Site 1 of 3 in cluster C

Database(s): SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS ANGELES CO. HMS, NPDES

EDR ID Number: U001562688
EPA ID Number: N/A

SWEEPS UST:

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	3

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: 6
SWRCB Tank Id: 19-000-013049-000006
Tank Status: A
Capacity: 1000
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Created Date: 06-30-89
Owner Tank Id: 7
SWRCB Tank Id: 19-000-013049-000007
Tank Status: A
Capacity: 500
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00027432
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027432.pdf
Region: STATE
Facility ID: 00000041390
Facility Type: Other
Other Type: GENERAL AVIATION AIR
Contact Name: Not reported
Telephone: 2136318140
Owner Name: COUNTY OF LOS ANGELES, DEPT. O
Owner Address: 550 S. VERMONT
Owner City,St,Zip: LOS ANGELES, CA 90020
Total Tanks: 0008

Tank Num: 001
Container Num: 1
Year Installed: 1970
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1970
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: 06

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1970
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	7
Year Installed:	1970
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	008
Container Num:	8
Year Installed:	1970
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	None

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Click here for Geo Tracker PDF:

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	1745
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-08082

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	007662-013049
Facility Type:	0
Facility Status:	Permit
Area:	2P
Permit Number:	00005237T
Permit Status:	Permit

Region:	LA
Permit Category:	Not reported
Facility Id:	007662-050956
Facility Type:	Not reported
Facility Status:	OPEN
Area:	2P
Permit Number:	Not reported
Permit Status:	Not reported

Region:	LA
Permit Category:	I
Facility Id:	007662-I08082
Facility Type:	01
Facility Status:	Closed
Area:	2P
Permit Number:	000010432
Permit Status:	Closed

Region:	LA
Permit Category:	I

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Facility Id: 007662-I08082
Facility Type: 01
Facility Status: Closed
Area: 2P
Permit Number: 00010433J
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 007662-008082
Facility Type: Not reported
Facility Status: OPEN
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	490554
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C381587
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/30/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Department of Public Works
Discharge Address:	PO Box 1460
Discharge City:	Alhambra
Discharge State:	California
Discharge Zip:	91802-1460
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	191256
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/25/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	American Airport Corp
Discharge Address:	2425 Olympic Blvd
Discharge City:	Santa Monica
Discharge State:	California
Discharge Zip:	90404
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	191256
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	09/25/2001
STATUS CODE NAME:	Active
STATUS DATE:	09/25/2001
PLACE SIZE:	77
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Lionardo Iniguez
FACILITY CONTACT TITLE:	Assistant Manager
FACILITY CONTACT PHONE:	310-631-8140
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	liniguez@americanairports.net
OPERATOR NAME:	American Airport Corp
OPERATOR ADDRESS:	2425 Olympic Blvd
OPERATOR CITY:	Santa Monica
OPERATOR STATE:	California
OPERATOR ZIP:	90404
OPERATOR CONTACT NAME:	Carlos Diaz
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-631-8140
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cdiaz@americanairports.net
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-631-8140
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	no
CERTIFIER NAME:	Carlos Diaz
CERTIFIER TITLE:	Airport Manager
CERTIFICATION DATE:	07-JUN-16
PRIMARY SIC:	4581-Airports, Flying Fields, and Airport Terminal Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

C13 **LA CO DPW COMPTON AIRPORT** **LUST** **S105034973**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**

Actual: **87 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792989
Global Id:	T0603792989
Latitude:	33.888737
Longitude:	-118.239565
Status:	Completed - Case Closed
Status Date:	08/25/2015
Case Worker:	JW
RB Case Number:	R-08082A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

LUST:

Global Id:	T0603792989
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603792989
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Phone Number: 6264583507

LUST:

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/03/2013
Action: Staff Letter

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/25/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 02/28/2003
Action: 13267 Requirement

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/14/2003
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: Other
Date: 06/15/2000
Action: Leak Reported

Global Id: T0603792989
Action Type: RESPONSE
Date: 09/15/2005
Action: Well Installation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: Other
Date: 10/17/1998
Action: Leak Discovery

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 07/28/2006
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2004
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: Closure/No Further Action Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/14/2012
Action: Remedial Progress Report

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/16/2001
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/03/2001
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2004
Action: Sensitive Receptor Survey Report

Global Id: T0603792989
Action Type: REMEDIATION
Date: 04/01/2009
Action: Soil Vapor Extraction (SVE)

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 03/28/2014
Action: Notification - Preclosure

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

LUST:
Global Id: T0603792989
Status: Open - Case Begin Date
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 02/25/1999

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Verification Monitoring
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 07/24/2000

Global Id: T0603792989
Status: Open - Remediation
Status Date: 01/17/2006

Global Id: T0603792989
Status: Open - Remediation
Status Date: 07/28/2006

Global Id: T0603792989
Status: Open - Eligible for Closure
Status Date: 06/10/2014

Global Id: T0603792989
Status: Completed - Case Closed
Status Date: 08/25/2015

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704769
Global Id:	T0603704769
Latitude:	33.888675
Longitude:	-118.239369
Status:	Completed - Case Closed
Status Date:	12/16/1994
Case Worker:	JOA
RB Case Number:	R-08082
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603704769
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704769
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704769
Action Type:	Other
Date:	02/27/1992
Action:	Leak Reported

LUST:

Global Id:	T0603704769
Status:	Open - Case Begin Date
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Open - Site Assessment
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Completed - Case Closed
Status Date:	12/16/1994

LUST REG 4:

Region:	4

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704769	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/27/1992
Date Leak Record Entered:	6/8/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		3/2/1992
Date the Case was Closed:		12/16/1994
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2624.92858702247185499175124 26
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		2/27/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	33.8885242 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

C14 **LA CO DPW COMPTON AIRPORT** **LUST** **U002281402**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
87 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082A	
Status:	Leak being confirmed	
Substance:	Perchlorethylene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		OT
Global ID:	T0603792989	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19000	
Cross Street:	WILMINGTON AVE	
Enforcement Type:	DLSEL	
Date Leak Discovered:	10/17/1998	
Date Leak First Reported:		6/15/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	7/24/2000	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/20/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Repair Tank	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	LA CO. PUBLIC WORKS	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2726.537498147868149698838 4725
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		3/7/1991
Preliminary Site Assessment Began:		2/25/1999
Pollution Characterization Began:		6/15/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		6/15/2000
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		6.2
Hist Max MTBE Conc in Soil:		1.39
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	REZA IZADI	
RP Address:	900 S. FREMONT AVE.	
Program:	LUST	
Lat/Long:	33.888737 / -1	
Local Agency Staff:	Not reported	

LA CO DPW COMPTON AIRPORT (Continued) **U002281402**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	37PPB PCE IN GW, NEED FULL REPORTS FOR LOW RISK REVIEW.

D15 **SHELL #204-1740-0304** **LUST** **S102436991**
SSE **803 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.467 mi.
2467 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
85 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703330
Global Id:	T0603703330
Latitude:	33.888781
Longitude:	-118.23741
Status:	Completed - Case Closed
Status Date:	10/16/1996
Case Worker:	YR
RB Case Number:	I-09002
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703330
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703330
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703330
Action Type:	Other
Date:	04/22/1993
Action:	Leak Reported

Global Id:	T0603703330
Action Type:	Other

SHELL #204-1740-0304 (Continued) **S102436991**

Date: 04/14/1993
Action: Leak Discovery

LUST:
Global Id: T0603703330
Status: Open - Case Begin Date
Status Date: 04/14/1993

Global Id: T0603703330
Status: Completed - Case Closed
Status Date: 10/16/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09002
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703330
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: WILMINGTON AVE
Enforcement Type: Not reported
Date Leak Discovered: 4/14/1993
Date Leak First Reported: 4/22/1993
Date Leak Record Entered: 3/8/1993
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/3/1997
Date the Case was Closed: 10/16/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2289.1109250912564268131725747
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported

SHELL #204-1740-0304 (Continued) **S102436991**

Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL PRODUCTS CO
RP Address: 3611 S HARBOR BLVD, SUITE 160, SANTA ANA CA 92704
Program: LUST
Lat/Long: 33.8887692 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 03/03/97 - WELL ABANDONMENT REPORT

D16
SSE
1/4-1/2
0.467 mi.
2467 ft.

SHELL #204-1740-0304
803 ALONDRA
COMPTON, CA 90220

Site 2 of 2 in cluster D

HIST CORTESE **S105126313**
N/A

Relative:
Higher

Actual:
85 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: Not reported
Reg By: Not reported
Reg Id: Not reported

17
West
1/4-1/2
0.476 mi.
2514 ft.

JOHNSON CONTROLS INC EPSD
1707 WEST COMPTON BLVD
COMPTON, CA 90220

RCRA-SQG **1000320800**
LUST **CAD981575061**
SWEEPS UST
FINDS
ECHO
HAZNET
HIST CORTESE
WDS

Relative:
Higher

Actual:
98 ft.

RCRA-SQG:
Date form received by agency: 11/04/1986
Facility name: JOHNSON CONTROLS INC EPSD
Facility address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981575061
Mailing address: P O BOX 4309
COMPTON, CA 90224
Contact: ENVIRONMENTAL MANAGER
Contact address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-537-7200
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOHNSON CONTROLS INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701244
Global Id:	T0603701244
Latitude:	33.896596
Longitude:	-118.250498

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Status: Completed - Case Closed
Status Date: 09/05/1996
Case Worker: YR
RB Case Number: 902200016
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701244
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701244
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701244
Action Type: Other
Date: 03/17/1986
Action: Leak Reported

LUST:
Global Id: T0603701244
Status: Open - Case Begin Date
Status Date: 03/17/1986

Global Id: T0603701244
Status: Open - Site Assessment
Status Date: 06/10/1988

Global Id: T0603701244
Status: Completed - Case Closed
Status Date: 09/05/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902200016
Status: Case Closed

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603701244	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CENTRAL	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/17/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/19/1998
Date the Case was Closed:		9/5/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	FORMER	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1246.62015003768946946278445 93
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/10/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOHNSON CONTROLS, INCORPORATED	
RP Address:	P.O. BOX 4309, COMPTON, CA 90224	
Program:	LUST	
Lat/Long:	33.8959122 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	*PLAN IS INADEQUATE: MORE INFORMATION IS NEEDED TEST INDICATE AIR & BOIREMEDIATION OPTIMUM TREATMENTASSIGNED CASE TO EH	15AUG95

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

SWEEPS UST:

Status:	Active
Comp Number:	10349
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

FINDS:

Registry ID: 110002720011

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000320800
Registry ID:	110002720011
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002720011

HAZNET:

envid:	1000320800
Year:	1995
GEPAID:	CAD981575061
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	P O BOX 4309
Mailing City,St,Zip:	COMPTON, CA 902240000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Tons: 2.5228
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000320800
Year: 1993
GEPAID: CAD981575061
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 4309
Mailing City,St,Zip: COMPTON, CA 902240000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 1.0425
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902200016

WDS:
Facility ID: Los Angeles River 191274001
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 4
Facility Telephone: 7144764321
Facility Contact: Ali Kashani
Agency Name: JOHNSON CONTROLS INC.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 3317
SIC Code 2: Not reported
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: CNWTRS
Waste Type2: H
Waste2: Contaminated Ground Water
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Secondary Waste: Contaminated Soil
Secondary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

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18 **A & P GAS** **LUST** **S113186799**
South **1050 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.487 mi.
2571 ft.

Relative: **Higher**

Actual: **92 ft.**

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004565
Global Id: T10000004565
Latitude: 33.888225547014
Longitude: -118.242279589176
Status: Completed - Case Closed
Status Date: 09/06/2016
Case Worker: AT
RB Case Number: R-14686
Local Agency: LOS ANGELES COUNTY
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Soil, Under Investigation
Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Toluene, Xylene
Site History: Not reported

LUST:
Global Id: T10000004565
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T10000004565
Contact Type: Local Agency Caseworker
Contact Name: LUKE MITCHELL
Organization Name: LOS ANGELES COUNTY

A & P GAS (Continued) **S113186799**

Address: 900 S Fremont Ave
City: ALHAMBRA
Email: lmitchell@dpw.lacounty.gov
Phone Number: 6264583510

LUST:
Global Id: T10000004565
Action Type: Other
Date: 01/31/2013
Action: Leak Reported

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/09/2013
Action: Staff Letter

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 03/13/2013
Action: Referral to Regional Board

Global Id: T10000004565
Action Type: REMEDIATION
Date: 10/09/2012
Action: Excavation

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Stopped

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/24/2013
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 09/06/2016
Action: Closure/No Further Action Letter

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Began

Global Id: T10000004565
Action Type: RESPONSE
Date: 07/05/2016
Action: Correspondence

Global Id: T10000004565
Action Type: RESPONSE
Date: 03/29/2013
Action: Site Assessment Report

Global Id: T10000004565

A & P GAS (Continued) **S113186799**

Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Discovery

LUST:
Global Id: T10000004565
Status: Open - Case Begin Date
Status Date: 10/09/2012

Global Id: T10000004565
Status: Open - Assessment & Interim Remedial Action
Status Date: 01/30/2013

Global Id: T10000004565
Status: Open - Eligible for Closure
Status Date: 04/12/2013

Global Id: T10000004565
Status: Completed - Case Closed
Status Date: 09/06/2016

19
East
1/2-1
0.620 mi.
3274 ft.

413 WEST COMPTON BOULEVARD **ENVIROSTOR** **S113883342**
413 WEST COMPTON BOULEVARD **N/A**
COMPTON, CA 90220

Relative:
Lower

Actual:
70 ft.

ENVIROSTOR:
Facility ID: 60001929
Status: No Action Required
Status Date: 07/09/2014
Site Code: 301635
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Maryam Tasnif-Abbasi
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.89621
Longitude: -118.2293
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301635
Alias Type: Project Code (Site Code)
Alias Name: 60001929
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/28/2014
Comments: Tech Memo Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/12/2013
Comments: Start Work Order issued on 11/12/2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/29/2013
Comments: Contract Fully Executed. Contract Term is 11/1/2013 to 04/30/2014.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 60001914
Status: Inactive - Needs Evaluation
Status Date: 05/29/2014
Site Code: 301582
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Lead Agency:	SMBRP
Program Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	64
Senate:	Not reported
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301582
Alias Type:	Project Code (Site Code)
Alias Name:	60001914
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	01/02/2014
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

20
NNE
1/2-1
0.700 mi.
3698 ft.

UNIFORM RENTAL SERVICES **ENVIROSTOR** **S106797587**
730 E. 139TH ST. **N/A**
COMPTON, CA 90222

Relative:
Lower

Actual:
78 ft.

ENVIROSTOR:

Facility ID:	19720038
Status:	Refer: 1248 Local Agency
Status Date:	09/06/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned

UNIFORM RENTAL SERVICES (Continued) **S106797587**

Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90568
Longitude: -118.2376
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720038
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

21
WNW
1/2-1
0.742 mi.
3920 ft.

PLAZA CLEANERS
1904 W. ROSECRANS AVE.
COMPTON, CA 90220

ENVIROSTOR
DRYCLEANERS
EMI

S103638397
N/A

Relative:
Higher

Actual:
103 ft.

ENVIROSTOR:
Facility ID: 19720019
Status: Refer: 1248 Local Agency
Status Date: 09/07/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO

PLAZA CLEANERS (Continued) **S103638397**

Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90199
Longitude: -118.2517
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DRYCLEANERS:
EPA Id: CAL000025358
NAICS Code: 812331
NAICS Description: Linen Supply
SIC Code: 7213
SIC Description: Linen Supply
Create Date: 05/10/1990
Facility Active: No
Inactive Date: 12/05/2016
Facility Addr2: Not reported
Owner Name: CHUN CHOONG CHA
Owner Address: 1904 W ROSECRANS
Owner Address 2: Not reported
Owner Telephone: 3106325765
Contact Name: CHOONG CHUN
Contact Address: 1904 W ROSECRANS
Contact Address 2: Not reported
Contact Telephone: 3106325765
Mailing Name: Not reported
Mailing Address 1: 1904 W ROSECRANS
Mailing Address 2: Not reported
Mailing City: COMPTON
Mailing State: CA
Mailing Zip: 902200000
Owner Fax: 0000000000
Region Code: 3

PLAZA CLEANERS (Continued) **S103638397**

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

22
NNW
1/2-1
0.986 mi.
5205 ft.

CENTRAL AIRPORT **ENVIROSTOR** **S107736100**
N/A

COMPTON, CA

Relative:
Higher

Actual:
91 ft.

ENVIROSTOR:

Facility ID:	80000846
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35

CENTRAL AIRPORT (Continued) **S107736100**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.90833
Longitude: -118.25
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996700
Alias Type: Federal Facility ID
Alias Name: J09CA7144
Alias Type: INPR
Alias Name: 80000846
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S106386953	DOMINGUEZ ENERGY REYES LEASE - ARE	WILMINGTON	90746	SLIC
COMPTON	S107538181		CORNER OF PINE ST AND COMPTON		CDL
COMPTON	S117037728		NW CORNER OF W ROSECRANS AVE &	90222	CDL
COMPTON	S107540291		POLICE ALLEY BEHIND 637 W COMP	90220	CDL
WILLOWBROOK	S102432239	KING/DREW MEDICAL MAGNET	COMPTON AVE	90059	LUST, HIST CORTESE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/02/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/26/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/16/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 46

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/08/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/29/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 51

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/06/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 12

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 20

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 50

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/15/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 64

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 29
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 16
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

930 COMPTON BOULEVARD
930 COMPTON BOULEVARD
COMPTON, CA 90220

TARGET PROPERTY COORDINATES

Latitude (North):	33.895486 - 33° 53' 43.75''
Longitude (West):	118.24094 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

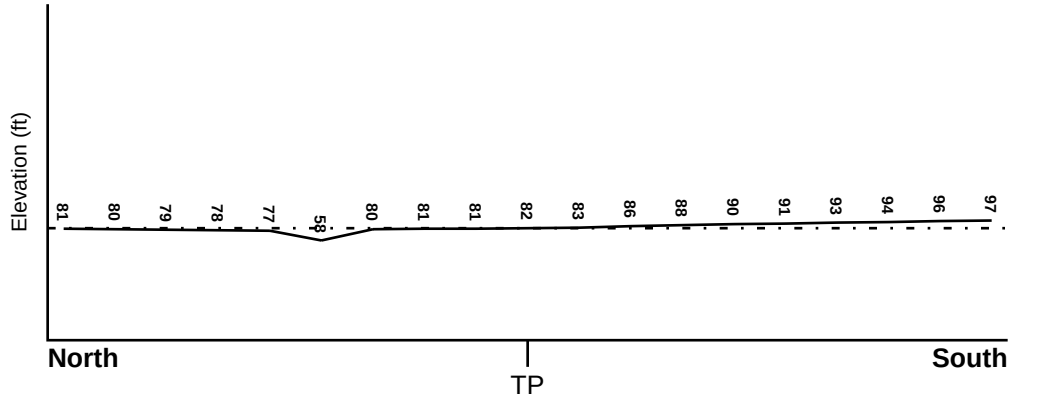
TOPOGRAPHIC INFORMATION

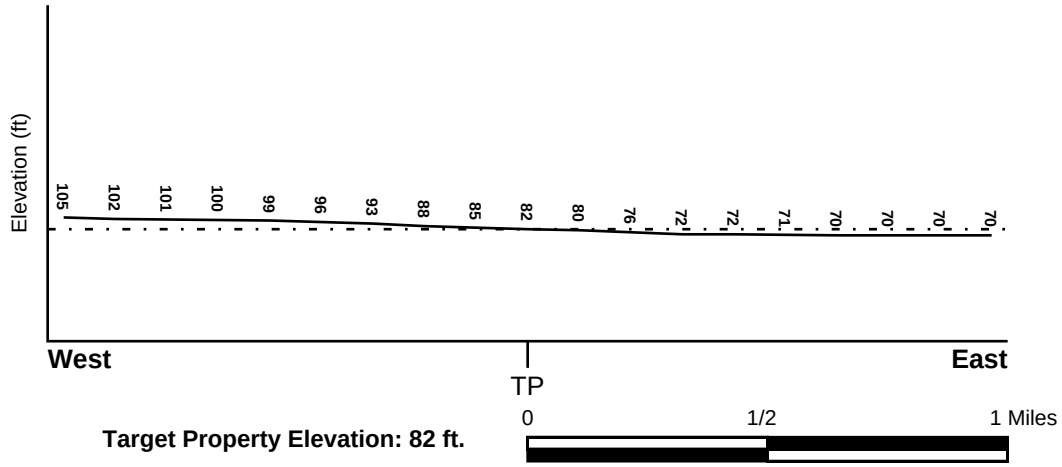
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 82 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1815F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1795F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SOUTH GATE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
25	1/2 - 1 Mile NE	Not Reported
1G	1/2 - 1 Mile NE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000138868	1/4 - 1/2 Mile NNW
2	USGS40000138856	1/4 - 1/2 Mile NE
A3	USGS40000138863	1/4 - 1/2 Mile NNW
B4	USGS40000138825	1/4 - 1/2 Mile ESE
B5	USGS40000138821	1/4 - 1/2 Mile ESE
B6	USGS40000138820	1/4 - 1/2 Mile ESE
B7	USGS40000138822	1/4 - 1/2 Mile ESE
B8	USGS40000138824	1/4 - 1/2 Mile ESE
B9	USGS40000138823	1/4 - 1/2 Mile ESE
16	USGS40000138860	1/2 - 1 Mile WNW
D17	USGS40000138790	1/2 - 1 Mile South
20	USGS40000138909	1/2 - 1 Mile NNW
21	USGS40000138912	1/2 - 1 Mile NNE
22	USGS40000138803	1/2 - 1 Mile SE
26	USGS40000138921	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C10	4131	1/4 - 1/2 Mile NE
C11	4127	1/4 - 1/2 Mile NE
C12	4132	1/4 - 1/2 Mile NE
C13	4134	1/4 - 1/2 Mile NE
C14	4133	1/4 - 1/2 Mile NE
C15	4126	1/4 - 1/2 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

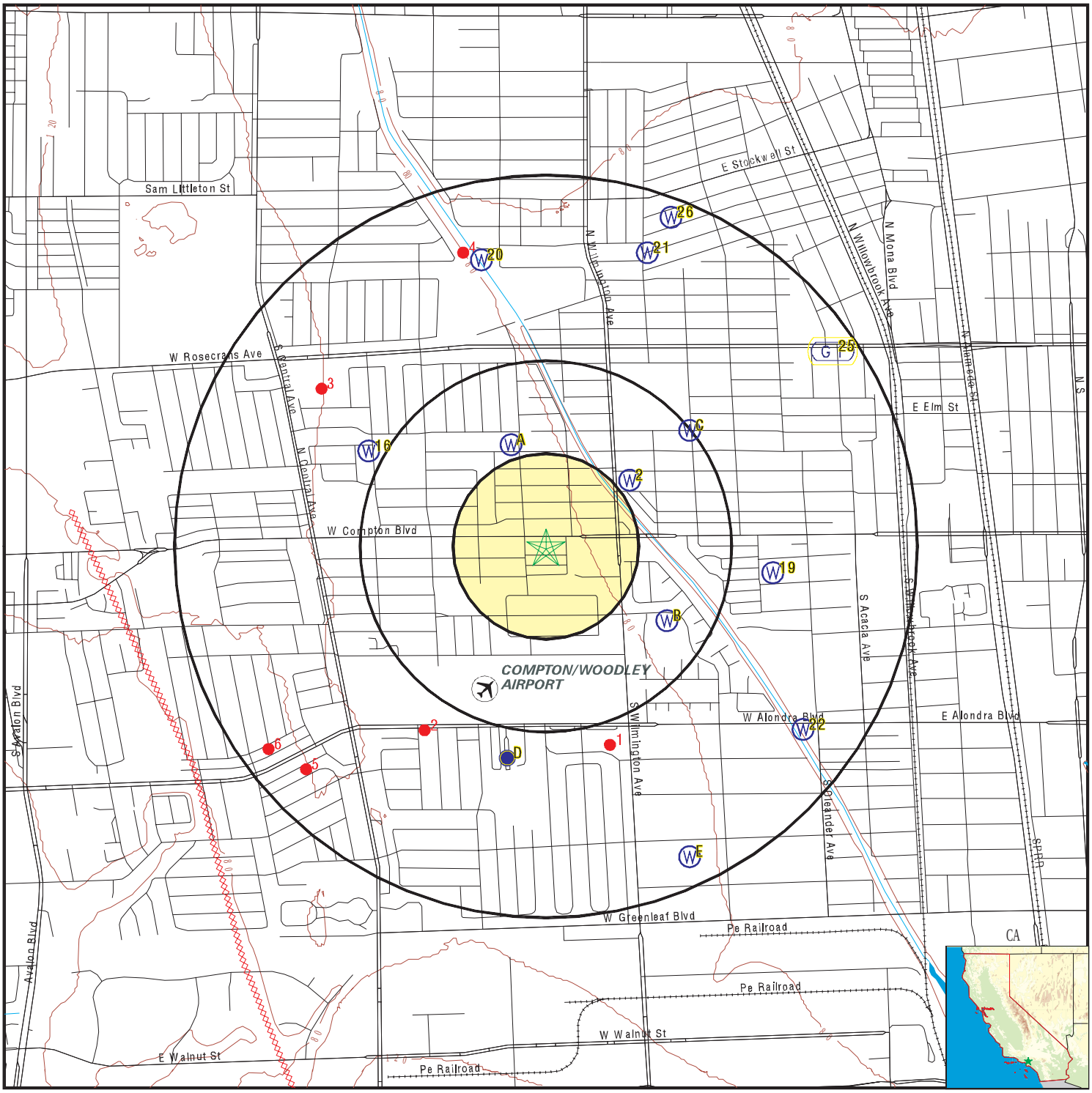
MAP ID	WELL ID	LOCATION FROM TP
D18	CADW60000031115	1/2 - 1 Mile SSW
19	14213	1/2 - 1 Mile East
E23	4135	1/2 - 1 Mile SSE
E24	4154	1/2 - 1 Mile SSE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204626	1/2 - 1 Mile SSE
2	CAOG11000204888	1/2 - 1 Mile SSW
3	CAOG11000204647	1/2 - 1 Mile NW
4	CAOG11000204579	1/2 - 1 Mile NNW
5	CAOG11000204709	1/2 - 1 Mile SW
6	CAOG11000204561	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 5253592.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	930 Compton Boulevard	CLIENT:	Stantec
ADDRESS:	930 Compton Boulevard Compton CA 90220	CONTACT:	Alicia Jansen
LAT/LONG:	33.895486 / 118.24094	INQUIRY #:	5253592.2s
		DATE:	April 11, 2018 8:10 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138868**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335358118142801		
Monloc name:	003S013W21A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994605
Longitude:	-118.2420164	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	200
Welldepth units:	ft	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138856**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335353118141001		
Monloc name:	003S013W22E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8980716
Longitude:	-118.2370162	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	596
Welldepth units:	ft	Wellholedepth:	640
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A3
NNW **FED USGS** **USGS40000138863**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335357118143501		
Monloc name:	003S013W21B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994556
Longitude:	-118.2431222	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19481222	Welldepth:	442
Welldepth units:	ft	Wellholedepth:	495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B4
ESE **FED USGS** **USGS40000138825**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140606		
Monloc name:	003S013W22M007S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	170
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B5
ESE **FED USGS** **USGS40000138821**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140602		
Monloc name:	003S013W22M003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	850
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B6
ESE **FED USGS** **USGS40000138820**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140601		
Monloc name:	003S013W22M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	1495
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B7
ESE **FED USGS** **USGS40000138822**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140603		
Monloc name:	003S013W22M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	605
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B8
ESE **FED USGS** **USGS40000138824**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140605		
Monloc name:	003S013W22M006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	315
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B9
ESE **FED USGS** **USGS40000138823**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140604		
Monloc name:	003S013W22M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	400
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C10
NE **CA WELLS** **4131**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-16K01 S	User ID:	4TH
FRDS Number:	1910021004	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 12-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	06-JUN-13	Findings:	0.498 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	06-JUN-13	Findings:	5.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	06-JUN-13	Findings:	0.178 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	06-JUN-13	Findings:	0.405 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	06-JUN-13	Findings:	6.26 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06-JUN-13	Findings:	0.41 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	4.8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06-JUN-13	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		

C11
NE **CA WELLS** **4127**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M05 S	User ID:	4TH
FRDS Number:	1910147005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 05		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:			
	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	17-JAN-12	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-JAN-12	Findings:	0.78 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	13-FEB-12	Findings:	17.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	23-APR-12	Findings:	19.2 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	23-APR-12	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	23-APR-12	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	14-MAY-12	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	21. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	19.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	42. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-OCT-12	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-NOV-12	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-13	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	18.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-MAR-13	Findings:	18.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	22-APR-13	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		

Sample Collected:	20-MAY-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-JUN-13	Findings:	21.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	22.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-AUG-13	Findings:	22.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-SEP-13	Findings:	21.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	620. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	21-OCT-13	Findings:	7.71
Chemical:	PH, LABORATORY		
Sample Collected:	21-OCT-13	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	21-OCT-13	Findings:	250. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	21-OCT-13	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	21-OCT-13	Findings:	40. MG/L
Chemical:	SODIUM		
Sample Collected:	21-OCT-13	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	21-OCT-13	Findings:	35. MG/L
Chemical:	CHLORIDE		
Sample Collected:	21-OCT-13	Findings:	91. MG/L
Chemical:	SULFATE		
Sample Collected:	21-OCT-13	Findings:	0.39 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	21-OCT-13	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	21-OCT-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	21-OCT-13	Findings:	400. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	21-OCT-13	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	21-OCT-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	21-OCT-13	Findings:	640. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	21-OCT-13	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	12-NOV-13	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-14	Findings:	0.59 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	14-JAN-14	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-APR-14	Findings:	0.62 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07-APR-14	Findings:	1.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-APR-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-JUL-14	Findings:	25. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-JUL-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-OCT-14	Findings:	0.55 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06-OCT-14	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-OCT-14	Findings:	1.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	26-FEB-15	Findings:	0.7 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-MAR-15	Findings:	0.559 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	02-MAR-15	Findings:	8.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	02-MAR-15	Findings:	0.142 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	02-MAR-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	02-MAR-15	Findings:	44. UG/L
Chemical:	MANGANESE		

Sample Collected:	02-MAR-15	Findings:	5.82 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02-MAR-15	Findings:	0.327 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02-MAR-15	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	02-MAR-15	Findings:	1.e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06-APR-15	Findings:	53. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-MAY-15	Findings:	21. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-JUN-15	Findings:	46. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	50. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	1.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	03-AUG-15	Findings:	58. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-15	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	04-JAN-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-FEB-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-APR-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	09-MAY-16	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-JUN-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	11-JUL-16	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-AUG-16	Findings:	0.49 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-SEP-16	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	590. US
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	03-OCT-16	Findings:	7.87
Chemical:	PH, LABORATORY		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03-OCT-16	Findings:	210. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	64. MG/L
Chemical:	CALCIUM		
Sample Collected:	03-OCT-16	Findings:	13. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03-OCT-16	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	03-OCT-16	Findings:	3.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03-OCT-16	Findings:	30. MG/L
Chemical:	CHLORIDE		
Sample Collected:	03-OCT-16	Findings:	83. MG/L
Chemical:	SULFATE		
Sample Collected:	03-OCT-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03-OCT-16	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	03-OCT-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	350. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03-OCT-16	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-DEC-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-FEB-17	Findings:	22. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-MAR-17	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-MAY-17	Findings:	0.63 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05-JUN-17	Findings:	42. UG/L
Chemical:	MANGANESE		

C12
NE
1/4 - 1/2 Mile
Lower

CA WELLS **4132**

Water System Information:

Prime Station Code:	03S/13W-21A01 S	User ID:	4TH
FRDS Number:	1910021005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-A - DESTROYED		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C13
NE **CA WELLS** **4134**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21C06 S	User ID:	4TH
FRDS Number:	1910021006	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C14
NE **CA WELLS** **4133**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21B01 S	User ID:	4TH
FRDS Number:	1910021007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-C		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	28-JUN-12	Findings:	1. UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-AUG-12	Findings:	0.8 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	14-FEB-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-MAR-13	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-APR-13	Findings:	0.74 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10-APR-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	870. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02-FEB-12	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02-FEB-12	Findings:	340. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	99. MG/L
Chemical:	CALCIUM		
Sample Collected:	02-FEB-12	Findings:	22. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02-FEB-12	Findings:	52. MG/L
Chemical:	SODIUM		
Sample Collected:	02-FEB-12	Findings:	3.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02-FEB-12	Findings:	81. MG/L
Chemical:	CHLORIDE		
Sample Collected:	02-FEB-12	Findings:	150. MG/L
Chemical:	SULFATE		
Sample Collected:	02-FEB-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02-FEB-12	Findings:	2.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	02-FEB-12	Findings:	160. UG/L
Chemical:	IRON		
Sample Collected:	02-FEB-12	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	540. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	02-FEB-12	Findings:	1.02
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	02-FEB-12	Findings:	0.38 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	23-FEB-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-MAR-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		

C15
NE **CA WELLS** **4126**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M04 S	User ID:	4TH
FRDS Number:	1910147001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 02		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	06-OCT-14	Findings:	600. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-OCT-14	Findings:	7.82
Chemical:	PH, LABORATORY		
Sample Collected:	06-OCT-14	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	221. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	65.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	06-OCT-14	Findings:	13.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-OCT-14	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	06-OCT-14	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06-OCT-14	Findings:	30. MG/L
Chemical:	CHLORIDE		

Sample Collected:	06-OCT-14	Findings:	79. MG/L
Chemical:	SULFATE		
Sample Collected:	06-OCT-14	Findings:	5.7e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	06-OCT-14	Findings:	360. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-OCT-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-JAN-15	Findings:	0.758 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-JAN-15	Findings:	0.222 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	05-JAN-15	Findings:	0.188 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	05-JAN-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	05-JAN-15	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05-JAN-15	Findings:	0.35 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	4.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05-JAN-15	Findings:	0.69 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-JAN-15	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04-APR-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04-APR-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-MAY-16	Findings:	200. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUN-16	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	30-SEP-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	30-SEP-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	30-SEP-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-MAR-17	Findings:	130. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	62. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	22.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	22-APR-13	Findings:	20.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.41 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	22-APR-13	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	18-JUN-13	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		

16
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138860**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335356118145801		
Monloc name:	003S013W21C006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8992167
Longitude:	-118.249236	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	395
Welldepth units:	ft	Wellholedepth:	481
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D17
South **FED USGS** **USGS40000138790**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335314118142901		
Monloc name:	003S013W21R003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8872385
Longitude:	-118.242294	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	90
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19520619	Welldepth:	470
Welldepth units:	ft	Wellholedepth:	470
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-09-14	122.45	

D18
SSW **CA WELLS** **CADW60000031115**
1/2 - 1 Mile
Higher

Objectid:	31115
Latitude:	33.8872
Longitude:	-118.2432
Site code:	338872N1182432W001
State well numbe:	03S13W21R003S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles

Basin code:	'4-11.04'
Basin desc:	Central
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000031115

19
East
1/2 - 1 Mile
Lower

CA WELLS **14213**

Water System Information:

Prime Station Code:	1910026-015	User ID:	4TH
FRDS Number:	1910026015	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335340.0 1181346.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 17		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:	205 S WILLOWBROOK AVE COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		
Sample Collected:	16-APR-12	Findings:	19. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	700. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-12	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-12	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	79. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-12	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-12	Findings:	44. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-12	Findings:	3.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-12	Findings:	54. MG/L
Chemical:	CHLORIDE		

Sample Collected:	16-APR-12	Findings:	99. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-12	Findings:	3. UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-12	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-12	Findings:	650. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-12	Findings:	430. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-12	Findings:	3.9 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03-MAY-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	03-MAY-12	Findings:	740. UG/L
Chemical:	ALUMINUM		
Sample Collected:	18-SEP-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	16-DEC-13	Findings:	2.14 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	16-DEC-13	Findings:	1.95 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	16-APR-15	Findings:	770. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-15	Findings:	7.86
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-15	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

Sample Collected:	16-APR-15	Findings:	230. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-15	Findings:	280. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-15	Findings:	84. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-15	Findings:	17. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-15	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-15	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-15	Findings:	68. MG/L
Chemical:	CHLORIDE		
Sample Collected:	16-APR-15	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-15	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-15	Findings:	3.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-15	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-15	Findings:	530. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-15	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	500. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-15	Findings:	480. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-15	Findings:	6.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	16-APR-15	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

20
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000138909**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335424118143501		
Monloc name:	003S013W16K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9066826
Longitude:	-118.243961	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	230
Welldepth units:	ft	Wellholedepth:	270
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

21
NNE **FED USGS** **USGS40000138912**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335425118140701		
Monloc name:	003S013W15M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9069603
Longitude:	-118.236183	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	443
Welldepth units:	ft	Wellholedepth:	445
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
SE **FED USGS** **USGS40000138803**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335318118134401		
Monloc name:	003S013W22Q004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8883333
Longitude:	-118.2288889	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	65
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	642
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E23
SSE **CA WELLS 4135**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-21R03 S	User ID:	4TH
FRDS Number:	1910021010	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 31-A - INACTIVE		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

E24
SSE **CA WELLS 4154**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-27E02 S	User ID:	4TH
FRDS Number:	1910026009	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 11		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:			
	205 S WILLOWBROOK AVE		
	COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		

Sample Collected:	17-JAN-12	Findings:	370. UG/L
Chemical:	IRON		
Sample Collected:	17-JAN-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-FEB-12	Findings:	20.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-FEB-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-MAR-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	26-MAR-12	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-MAY-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-MAY-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	390. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-12	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-JUL-12	Findings:	21.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-JUL-12	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-AUG-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	22.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	24.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	120. UG/L
Chemical:	IRON		

Sample Collected:	15-OCT-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-NOV-12	Findings:	18. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-NOV-12	Findings:	430. UG/L
Chemical:	IRON		
Sample Collected:	19-NOV-12	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-DEC-12	Findings:	17.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	960. UG/L
Chemical:	IRON		
Sample Collected:	17-DEC-12	Findings:	52. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	690. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	31-OCT-14	Findings:	7.83
Chemical:	PH, LABORATORY		
Sample Collected:	31-OCT-14	Findings:	210. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	80. MG/L
Chemical:	CALCIUM		
Sample Collected:	31-OCT-14	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	31-OCT-14	Findings:	50. MG/L
Chemical:	SODIUM		
Sample Collected:	31-OCT-14	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	31-OCT-14	Findings:	44. MG/L
Chemical:	CHLORIDE		
Sample Collected:	31-OCT-14	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	31-OCT-14	Findings:	0.23 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	31-OCT-14	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	6.e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	31-OCT-14	Findings:	440. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	31-OCT-14	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	26-NOV-14	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-DEC-14	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-JAN-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-FEB-15	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-MAR-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-MAY-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-JUN-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JUL-15	Findings:	180. UG/L
Chemical:	IRON		
Sample Collected:	24-JUL-15	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-AUG-15	Findings:	260. UG/L
Chemical:	IRON		
Sample Collected:	27-AUG-15	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-SEP-15	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-OCT-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-NOV-15	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	20-NOV-15	Findings:	56. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-DEC-15	Findings:	190. UG/L
Chemical:	IRON		
Sample Collected:	29-DEC-15	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JAN-16	Findings:	140. UG/L
Chemical:	IRON		
Sample Collected:	27-JAN-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-MAR-16	Findings:	190. UG/L
Chemical:	IRON		

Sample Collected:	16-MAR-16	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-MAR-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-APR-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-JUN-16	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-JUL-16	Findings:	300. UG/L
Chemical:	IRON		
Sample Collected:	15-JUL-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-SEP-16	Findings:	320. UG/L
Chemical:	IRON		
Sample Collected:	14-SEP-16	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-NOV-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-DEC-16	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JAN-17	Findings:	150. UG/L
Chemical:	IRON		
Sample Collected:	24-JAN-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-MAY-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-17	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-17	Findings:	37. UG/L
Chemical:	MANGANESE		

25
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

26
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138921**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335430118140301		
Monloc name:	003S013W15M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9083492
Longitude:	-118.2350719	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	445
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

1G
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **CAOG11000204626**
1/2 - 1 Mile

District nun:	1	Api number:	03705359
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Dominguez Extension Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	22
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204626		

2
SSW **OIL_GAS** **CAOG11000204888**
1/2 - 1 Mile

District nun:	1	Api number:	03705741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Woodley-Comptom	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000204888		

3
NW **OIL_GAS** **CAOG11000204647**
1/2 - 1 Mile

District nun:	1	Api number:	03705393
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Federal Oil Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Barnes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204647		

4
NNW **OIL_GAS** **CAOG11000204579**
1/2 - 1 Mile

District nun:	1	Api number:	03705295
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. U. Combs		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	16
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204579		

5
SW **OIL_GAS** **CAOG11000204709**
1/2 - 1 Mile

District nun:	1	Api number:	03705488
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	28
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Central Heights	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204709		

6
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000204561**

District nun:	1	Api number:	03705271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Central Heights Oil Co. Ltd.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Veach	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204561		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90220	4	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E HISTORICAL RECORDS

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.3

April 11, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.3

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0230-4821-8DF0

PO # NA

Project NA

Maps Provided:

1938

Sanborn® Library search results

Certification #: 0230-4821-8DF0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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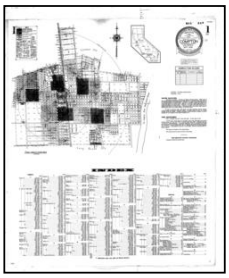
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1938 Source Sheets

Volume 1, Sheet 6
1938

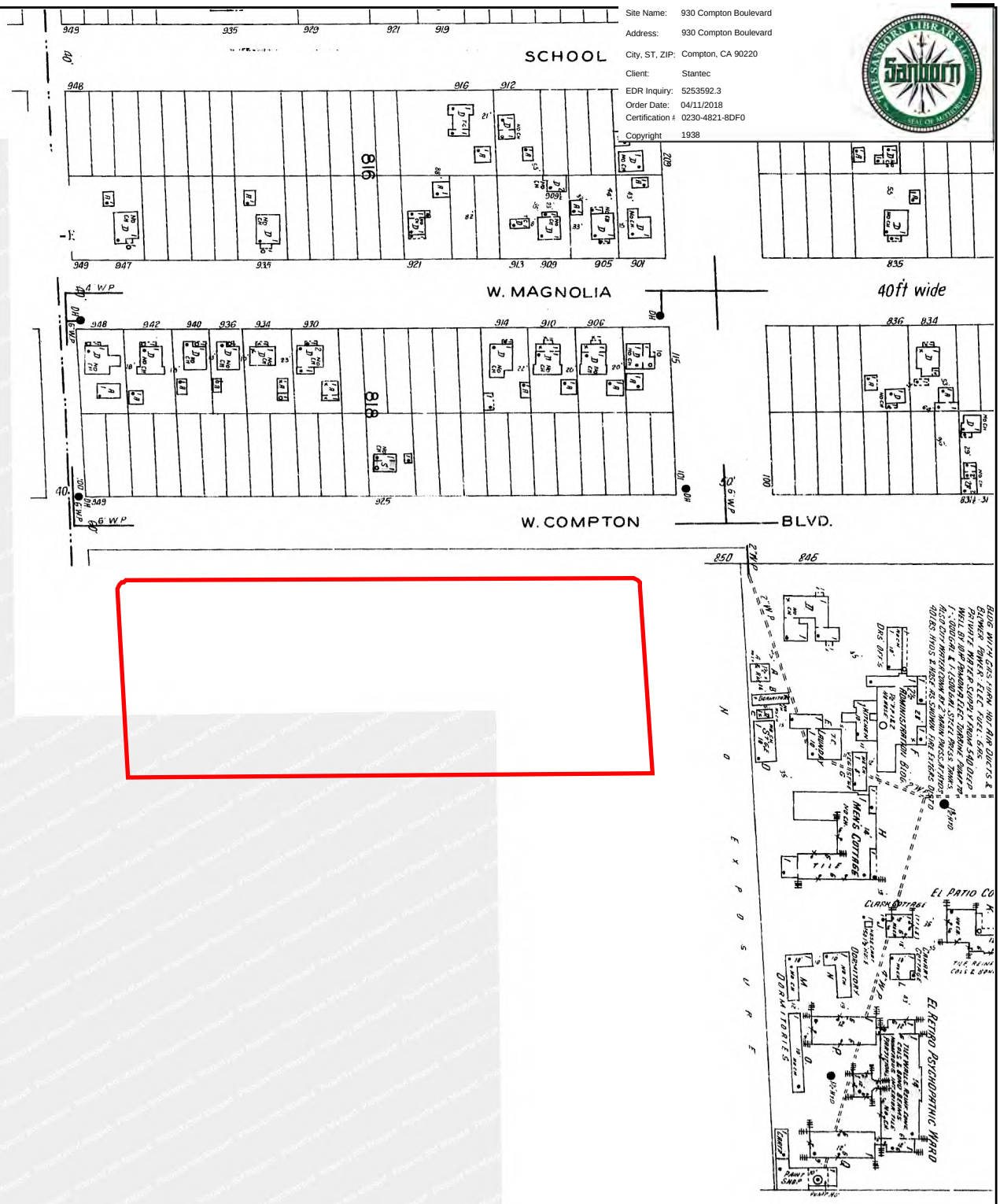
Volume 1, Sheet 26
1938



Volume 1, Sheet 1
1938

Volume 1, Sheet 6
1938

Site Name: 930 Compton Boulevard
Address: 930 Compton Boulevard
City, ST, ZIP: Compton, CA 90220
Client: Stantec
EDR Inquiry: 5253592.3
Order Date: 04/11/2018
Certification #: 0230-4821-8DF0
Copyright 1938



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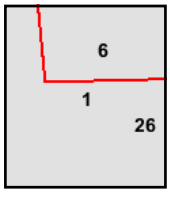
Certification # 0230-4821-8DF0

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 6
Volume 1, Sheet 1
Volume 1, Sheet 26
Volume 1, Sheet 6

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.4

April 10, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/10/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.4

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	33.895486 33° 53' 44" North
Longitude:	-118.24094 -118° 14' 27" West
UTM Zone:	Zone 11 North
UTM X Meters:	385258.30
UTM Y Meters:	3751260.79
Elevation:	82.00' above sea level

Maps Provided:

2012	1942
1981	1937
1972	1930
1964	1924
1952	1923
1949, 1950, 1951	1902
1947, 1948	1899
1943	1896

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

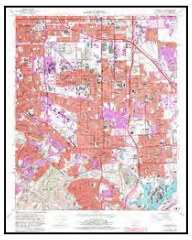
South Gate
2012
7.5-minute, 24000

Inglewood
2012
7.5-minute, 24000

Long Beach
2012
7.5-minute, 24000

Torrance
2012
7.5-minute, 24000

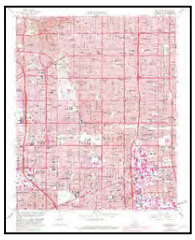
1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978

South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

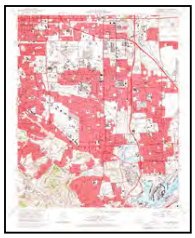
Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets

South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Inglewood
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963

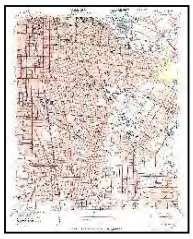


Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



SOUTH GATE
1952
7.5-minute, 24000

Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1949, 1950, 1951 Source Sheets

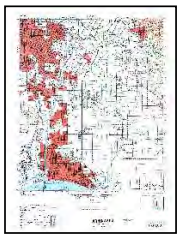
Long Beach
1949
7.5-minute, 24000

South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947

Inglewood
1950
7.5-minute, 24000
Aerial Photo Revised 1947

Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

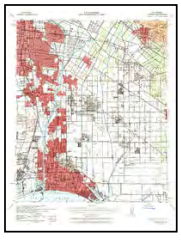
1947, 1948 Source Sheets



DOWNEY
1947
15-minute, 50000

REDONDO
1948
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets

Downey
1942
15-minute, 62500

1937 Source Sheets

Watts
1937
7.5-minute, 24000

1930 Source Sheets

Compton
1930
7.5-minute, 24000

1924 Source Sheets

Watts
1924
7.5-minute, 24000

Compton
1924
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets

Watts
1923
7.5-minute, 24000

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

Downey
1899
15-minute, 62500

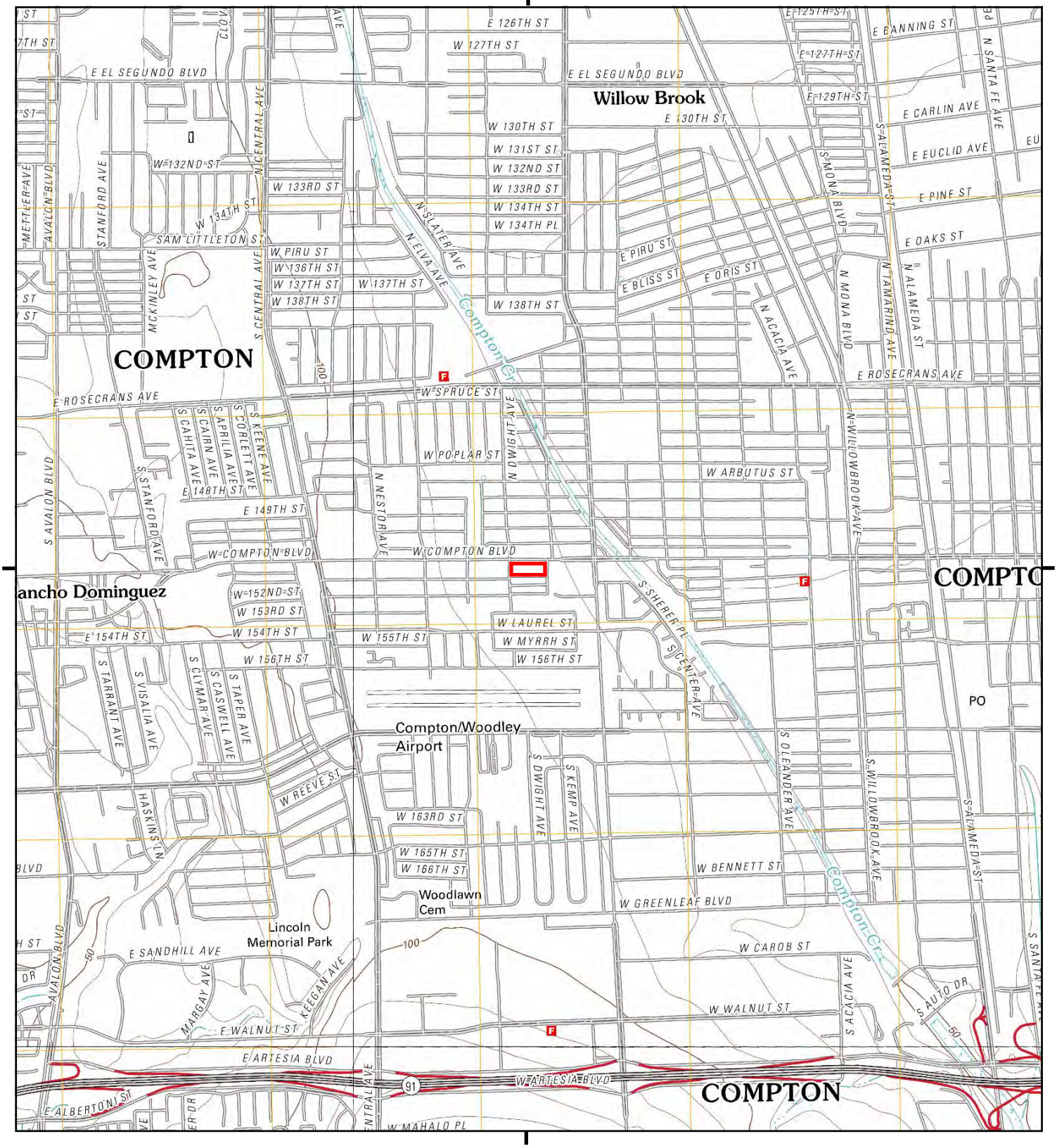
1896 Source Sheets

Downey
1896
15-minute, 62500

Redondo
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

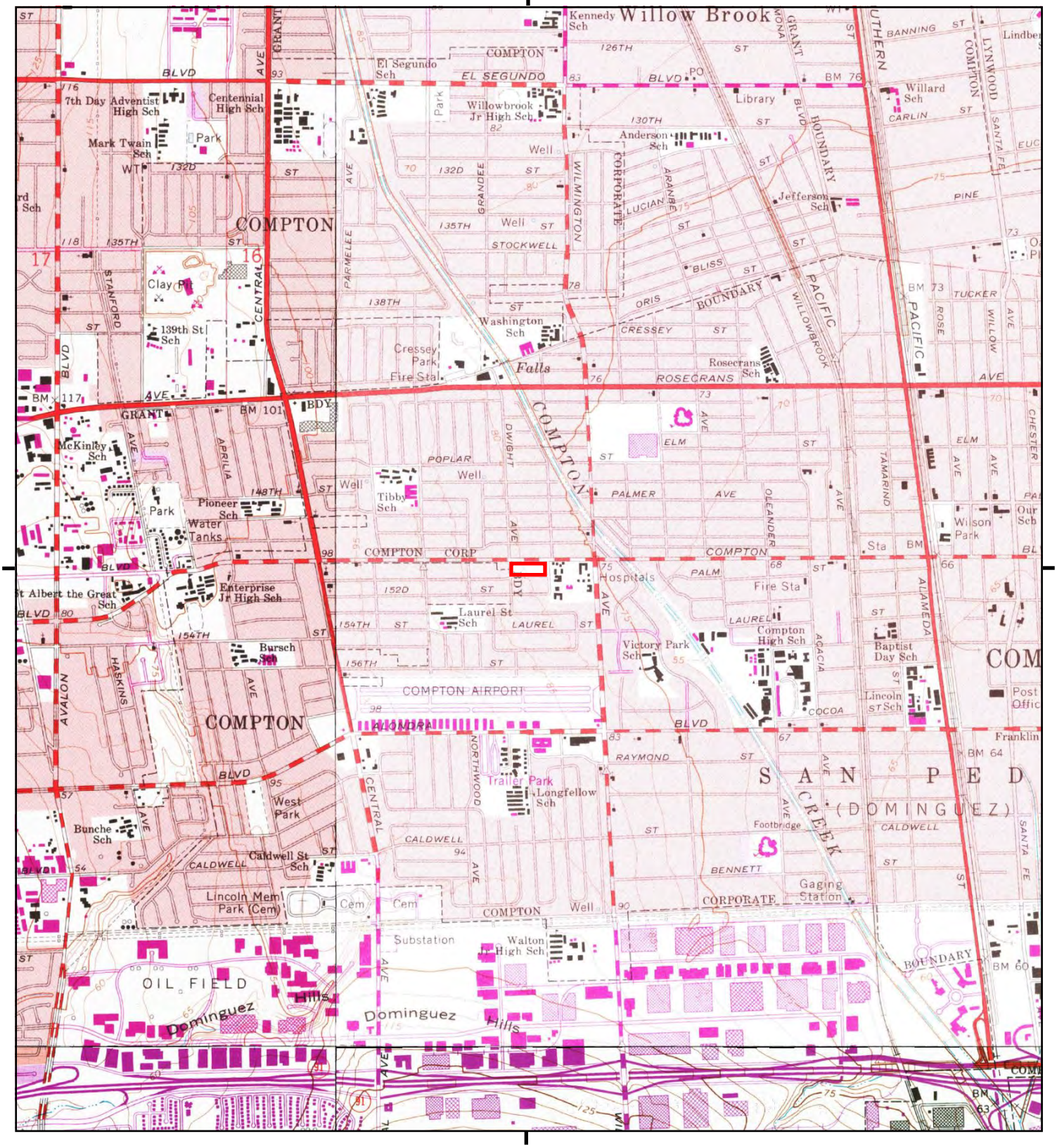
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

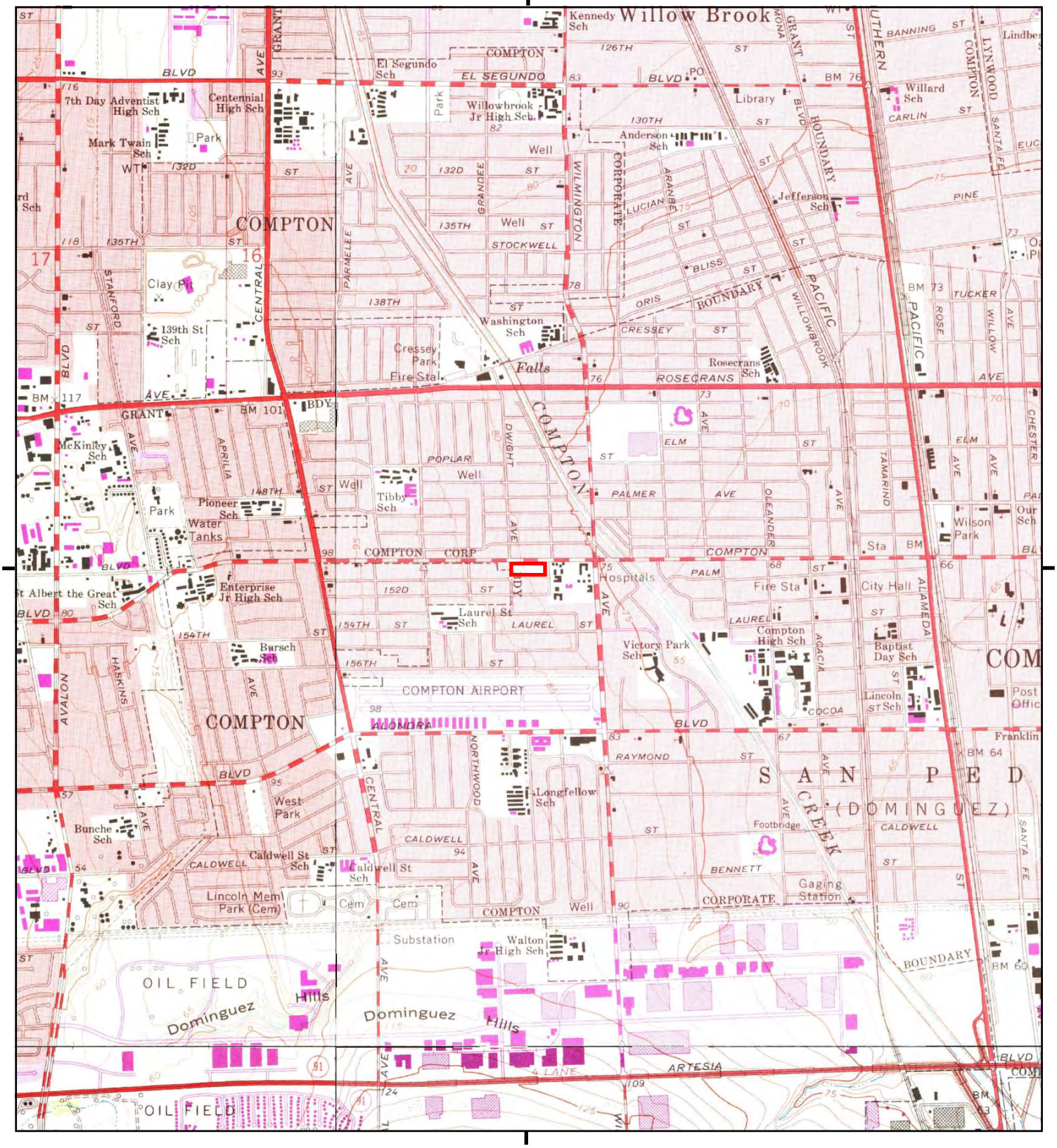
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1981, 7.5-minute
SE, Long Beach, 1981, 7.5-minute
SW, Torrance, 1981, 7.5-minute
NW, Inglewood, 1981, 7.5-minute

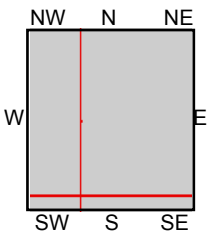
SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

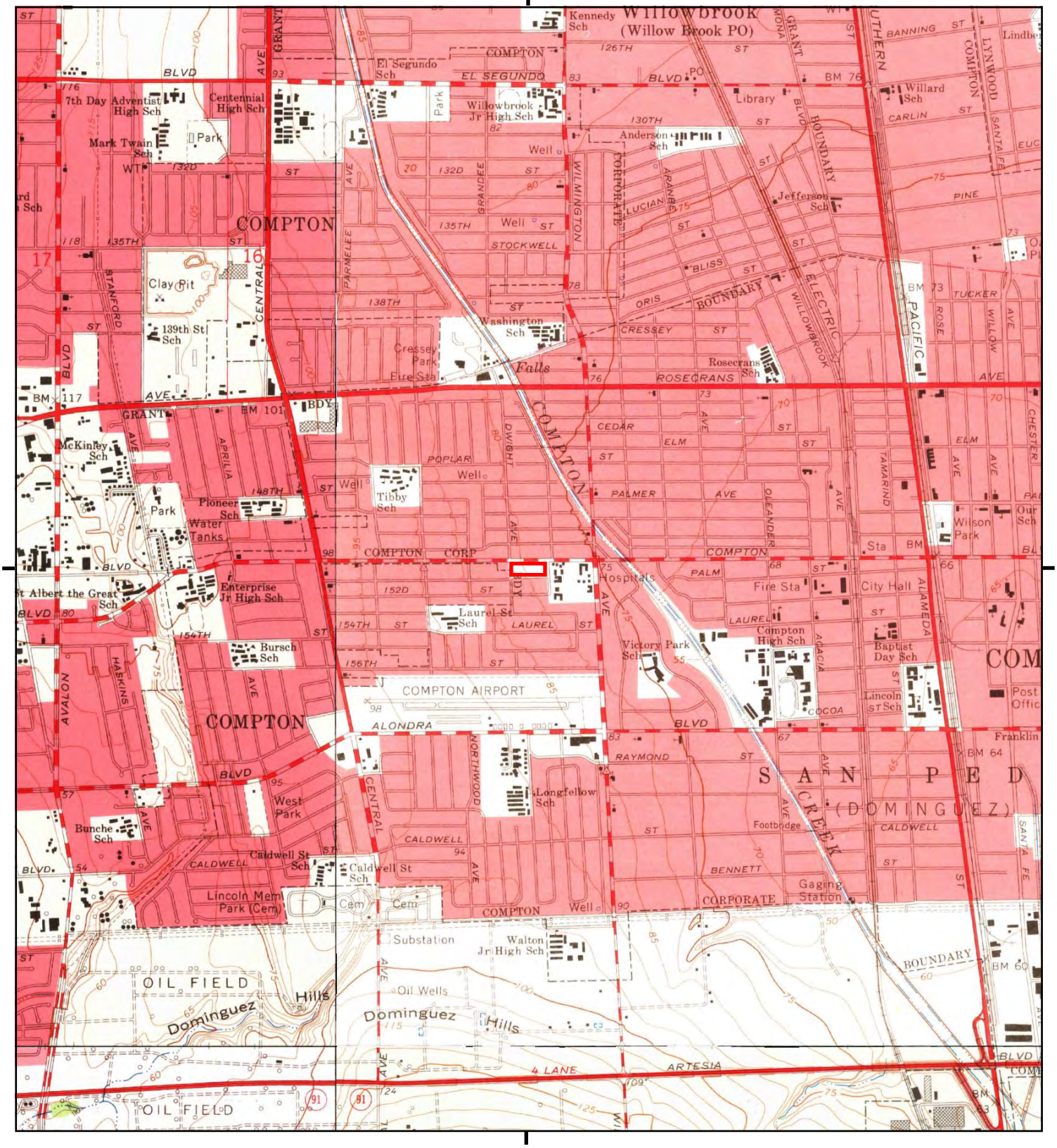
0 Miles 0.25 0.5 1 1.5



TP, South Gate, 1972, 7.5-minute
SE, Long Beach, 1972, 7.5-minute
SW, Torrance, 1972, 7.5-minute
NW, Inglewood, 1972, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

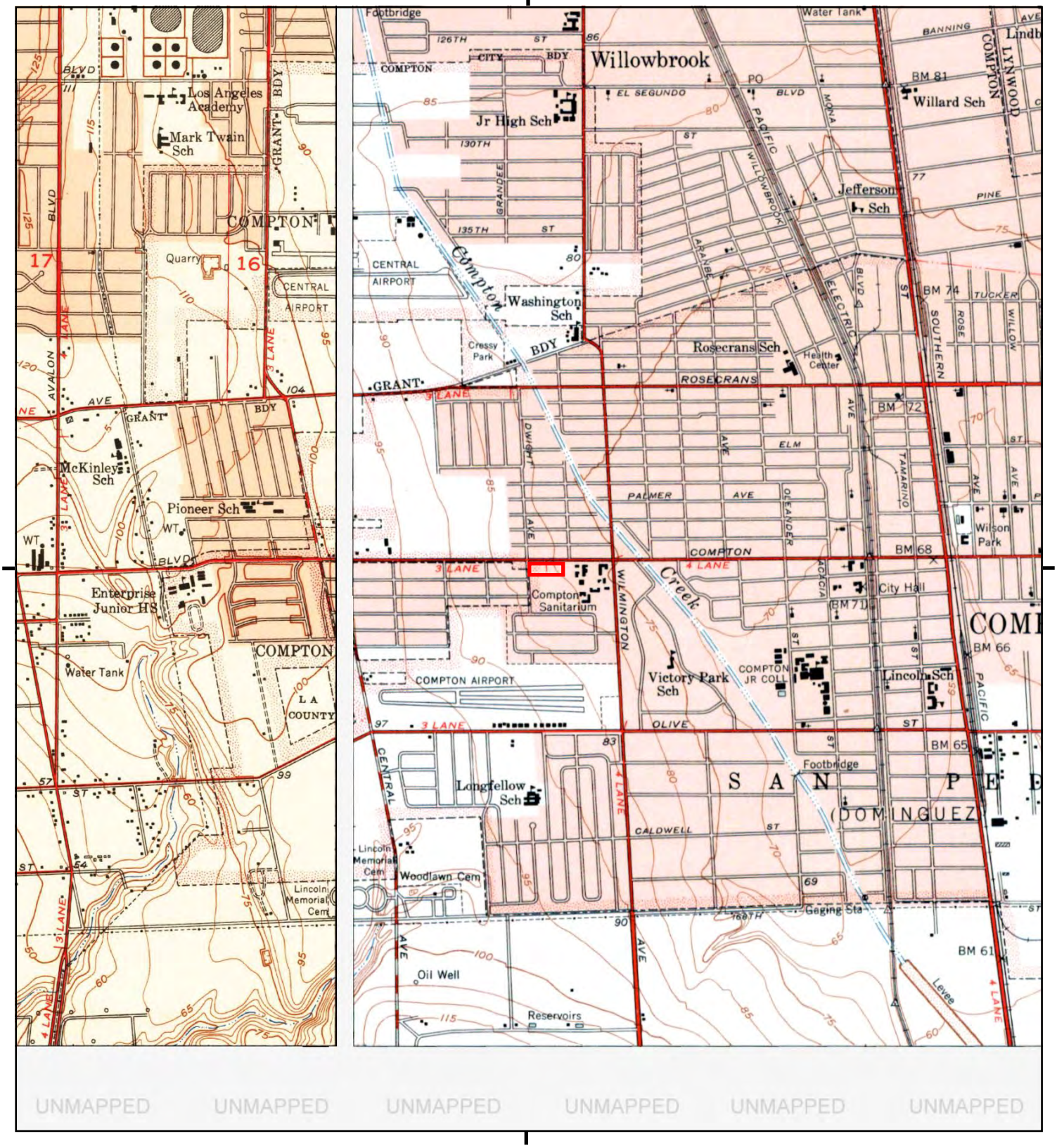
TP, South Gate, 1964, 7.5-minute
SE, Long Beach, 1964, 7.5-minute
SW, Torrance, 1964, 7.5-minute
NW, Inglewood, 1964, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

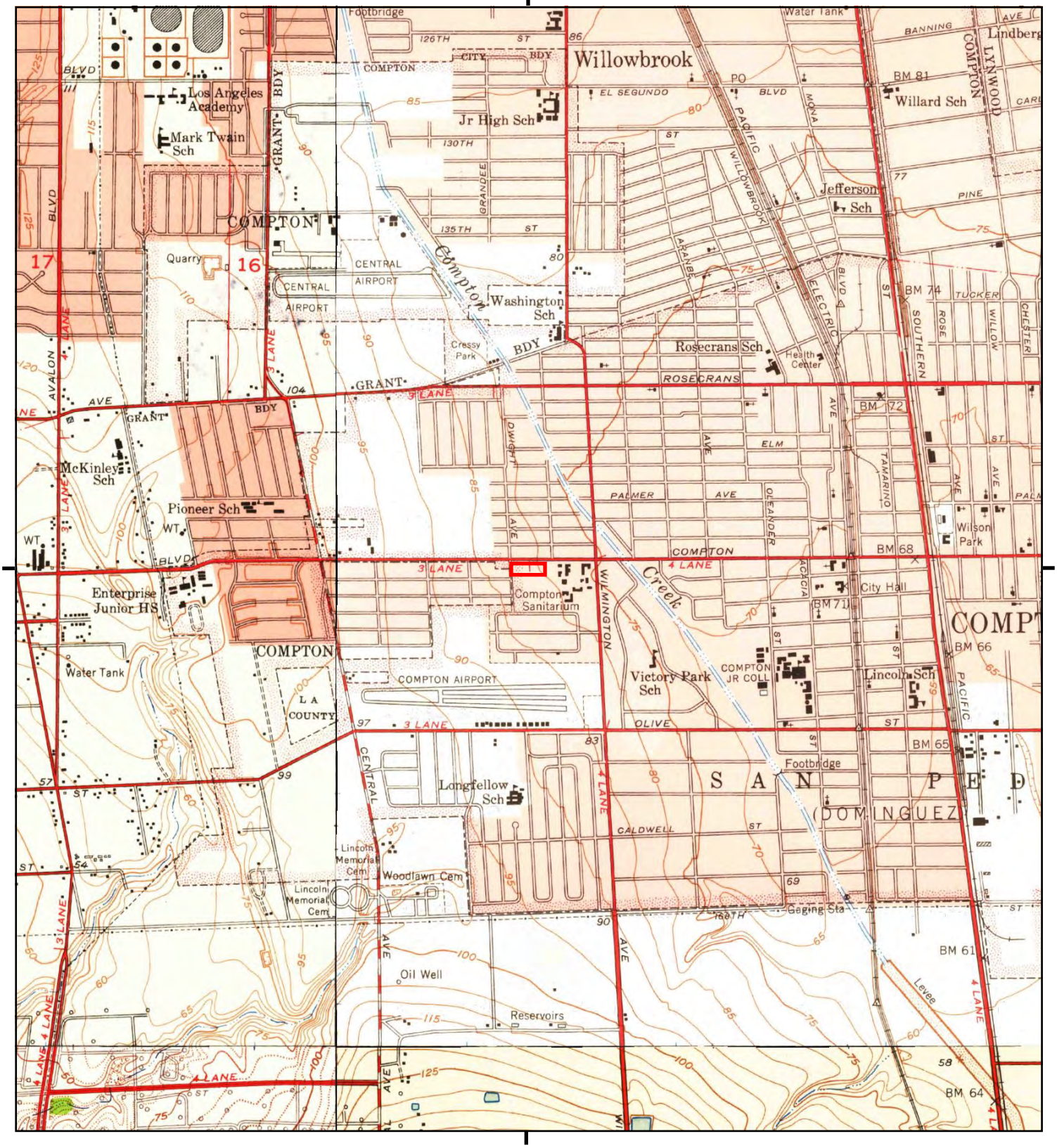
TP, SOUTH GATE, 1952, 7.5-minute
NW, Inglewood, 1952, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1949, 1950, 1951



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

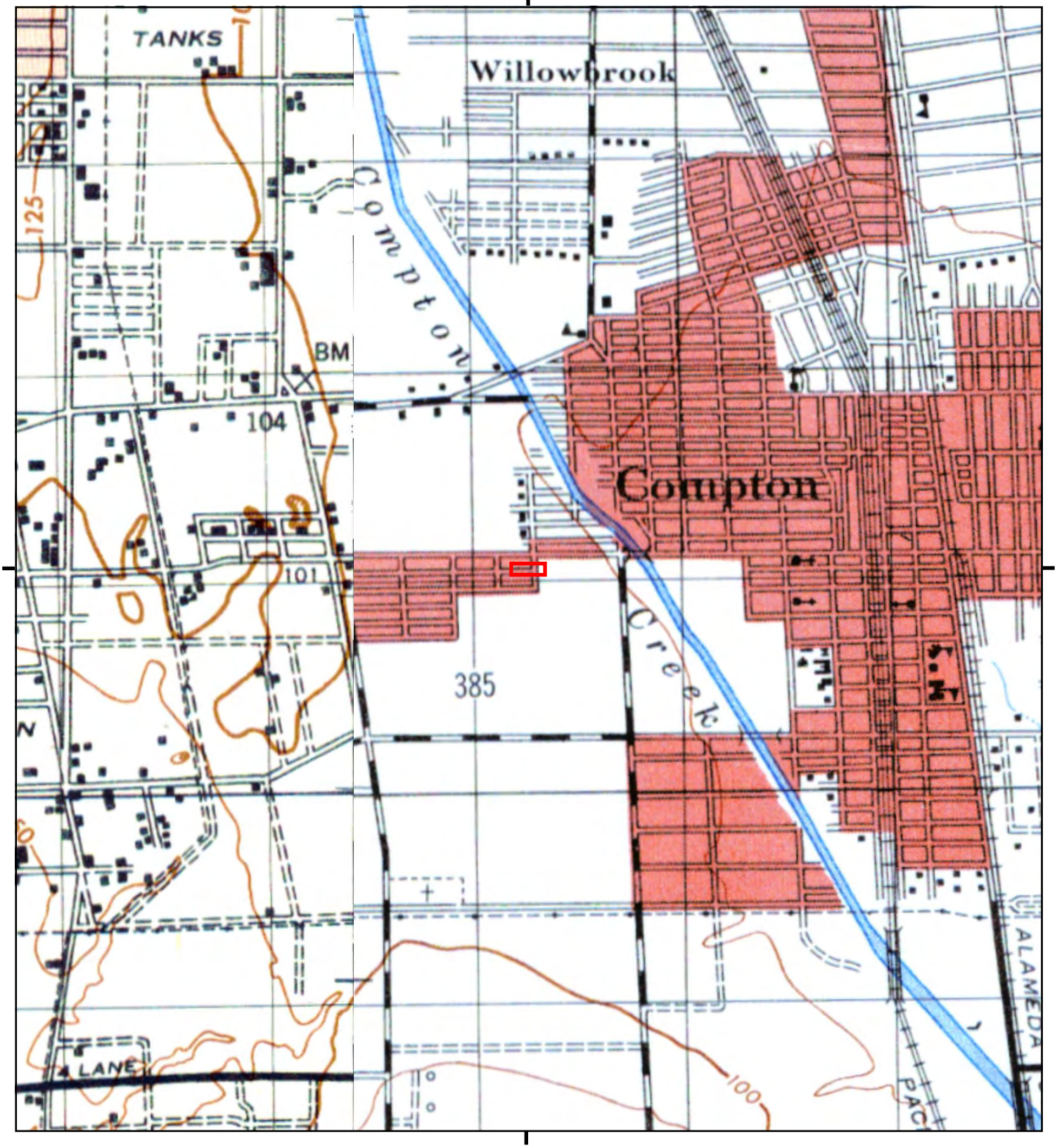
TP, South Gate, 1949, 7.5-minute
SE, Long Beach, 1949, 7.5-minute
SW, Torrance, 1951, 7.5-minute
NW, Inglewood, 1950, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1947, 1948



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

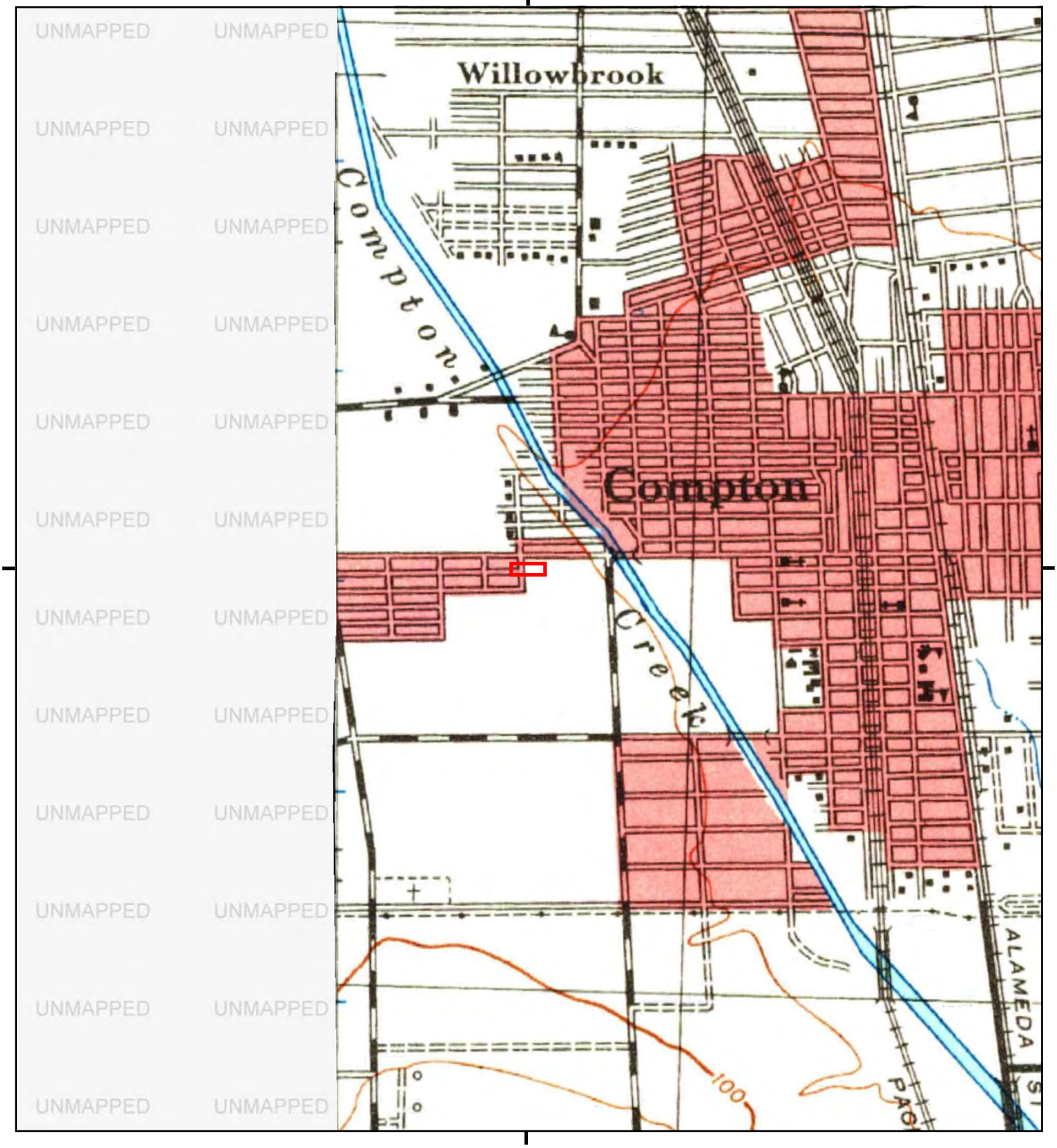
TP, DOWNEY, 1947, 15-minute
W, REDONDO, 1948, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

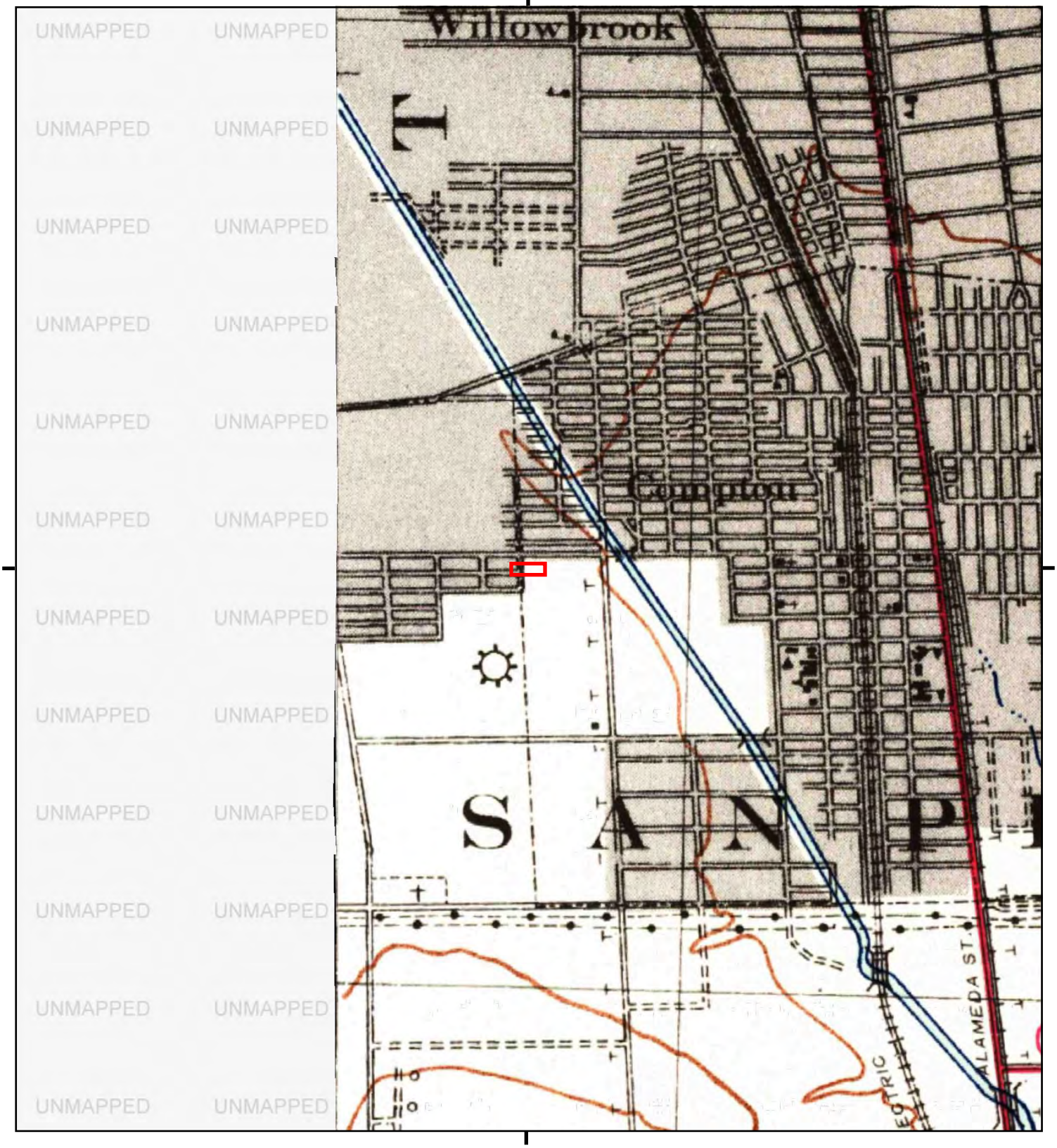
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1943, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

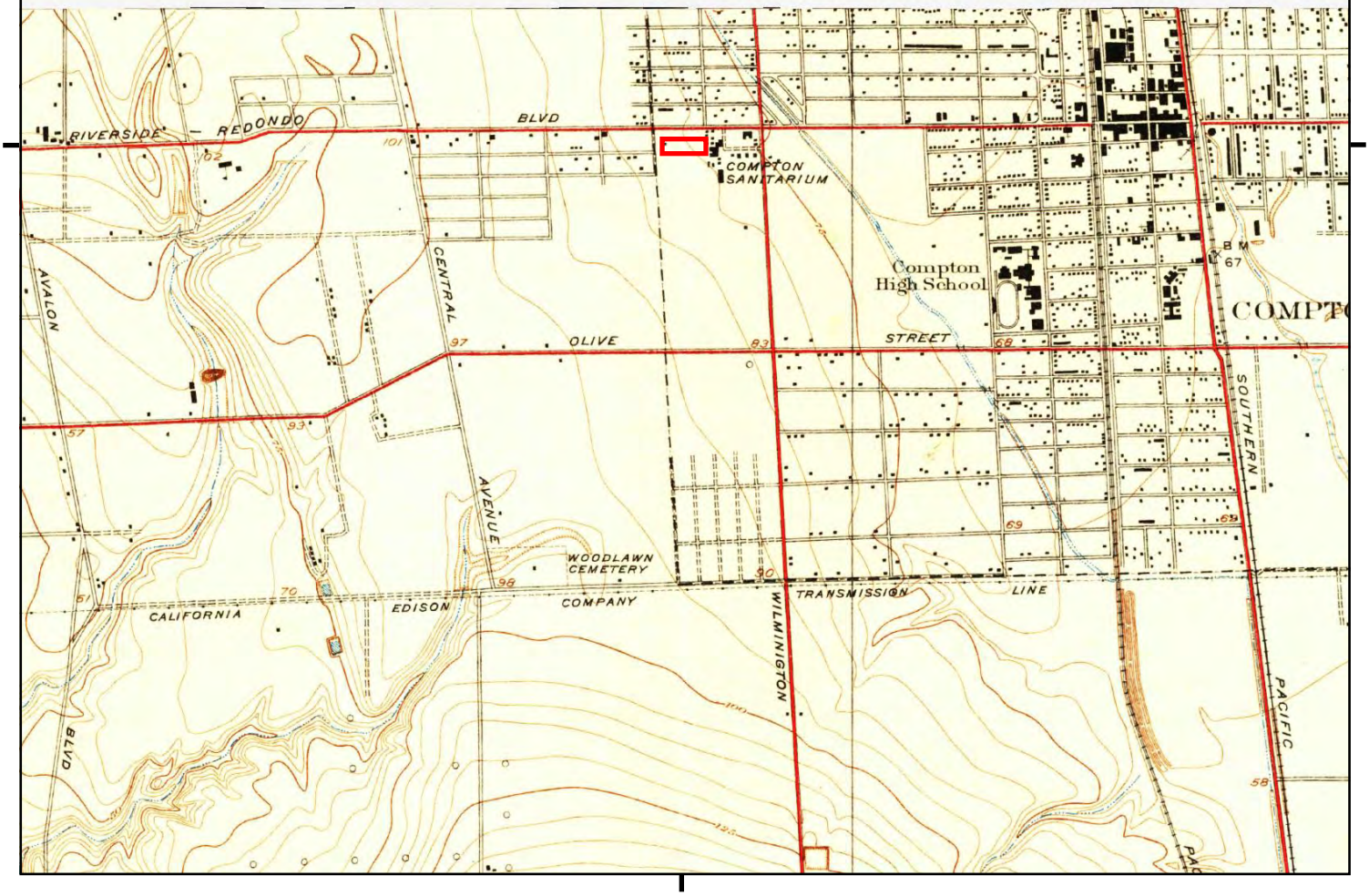
NW N NE
W E
SW S SE

N, Watts, 1937, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

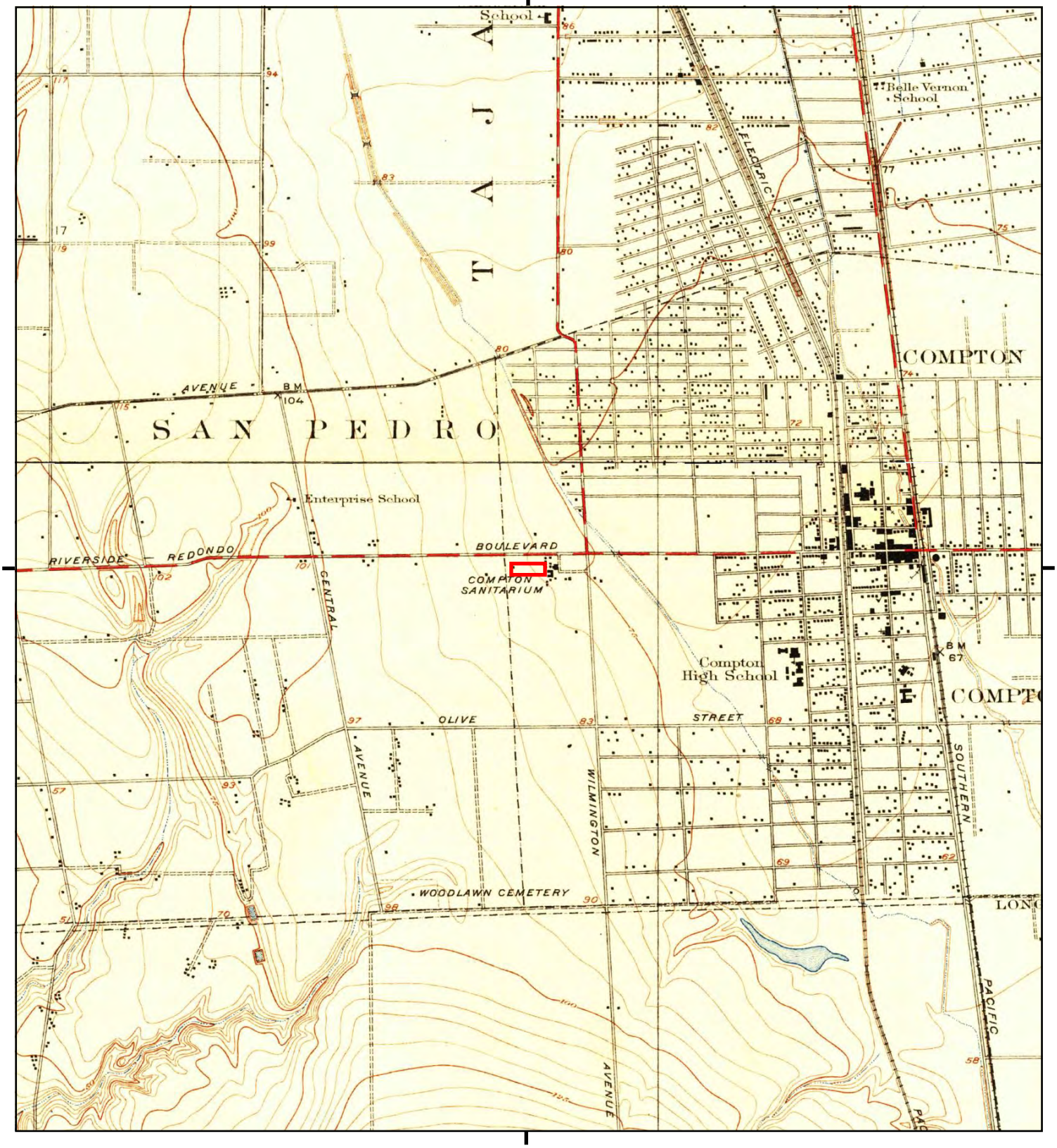
TP, Compton, 1930, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1924



This report includes information from the following map sheet(s).

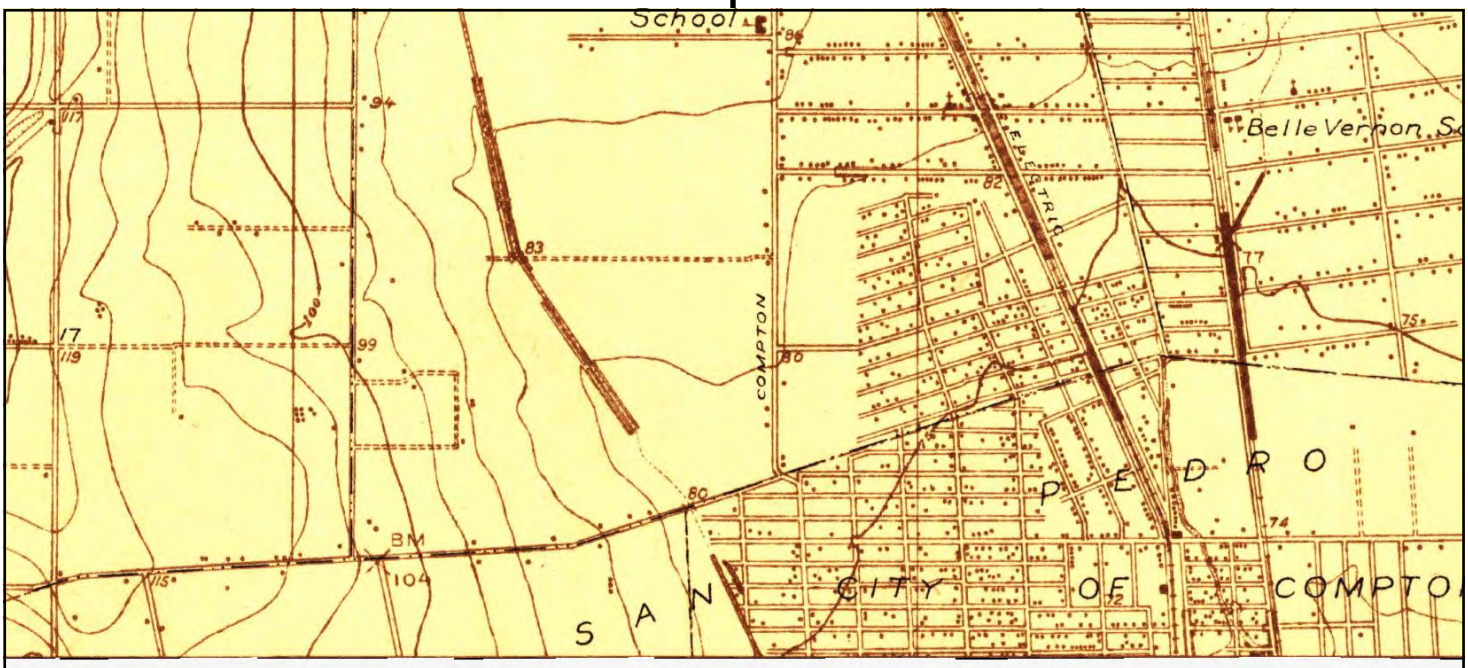
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1924, 7.5-minute
N, Watts, 1924, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



UNMAPPED

This report includes information from the following map sheet(s).

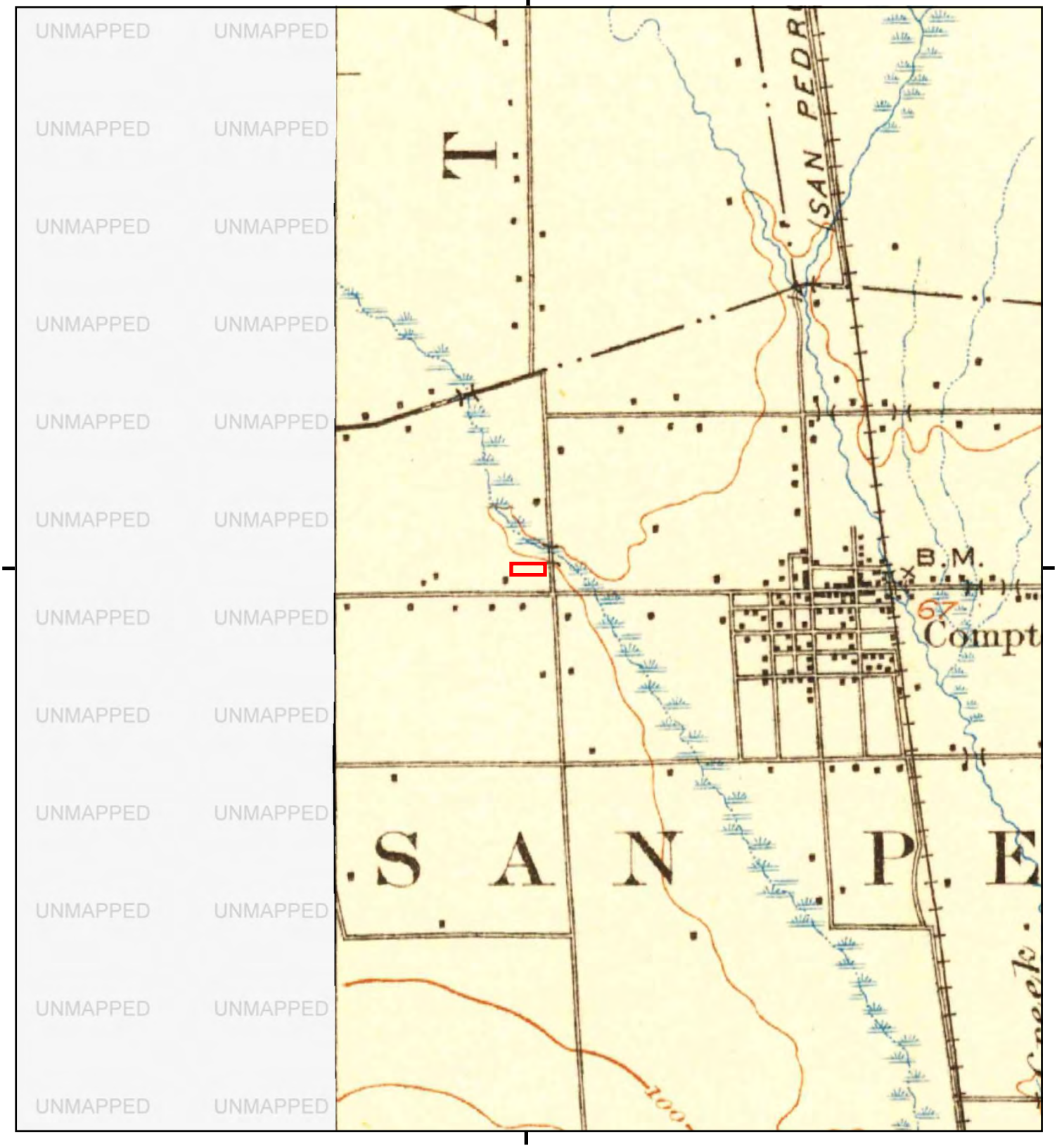
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Watts, 1923, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

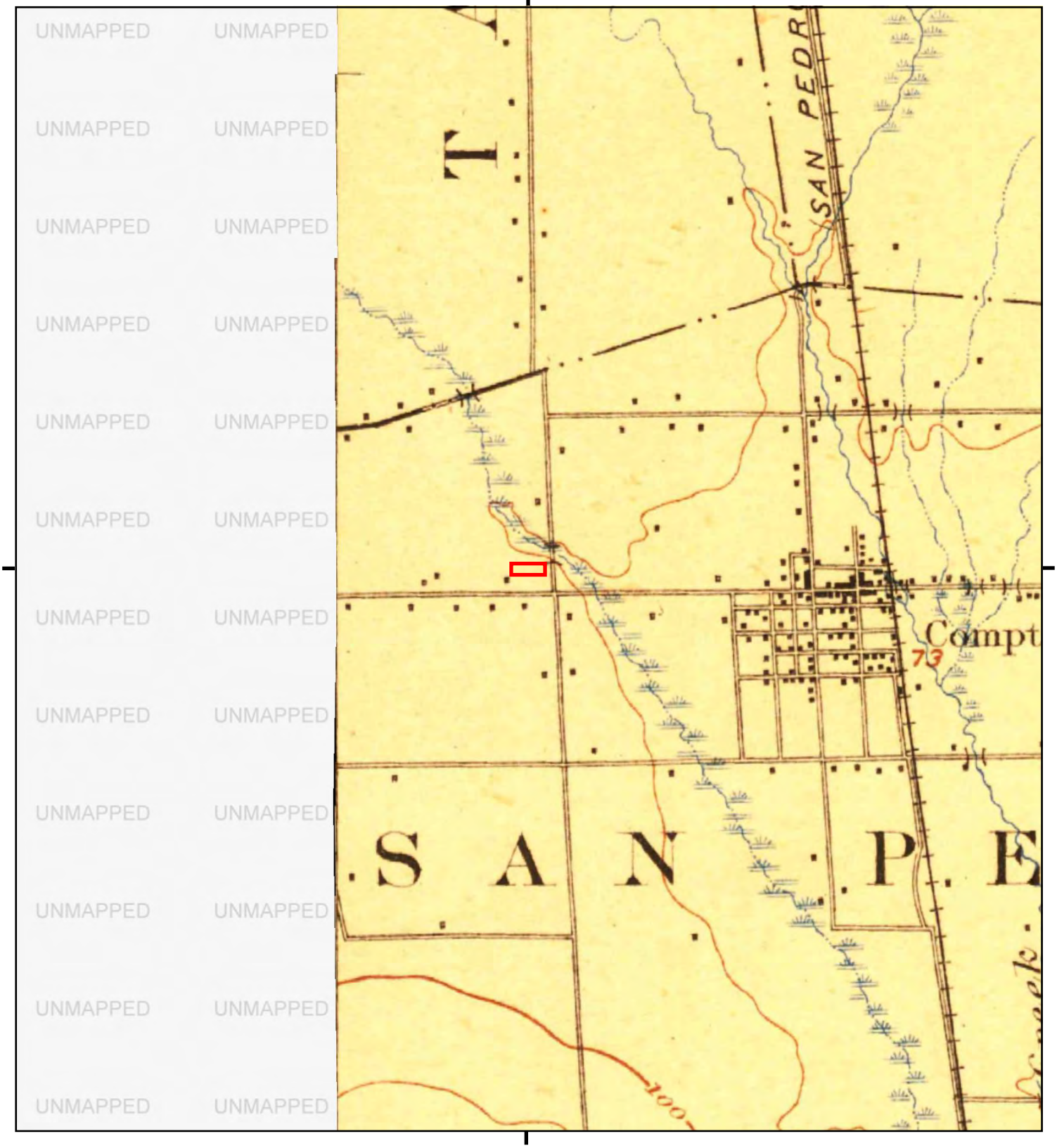
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

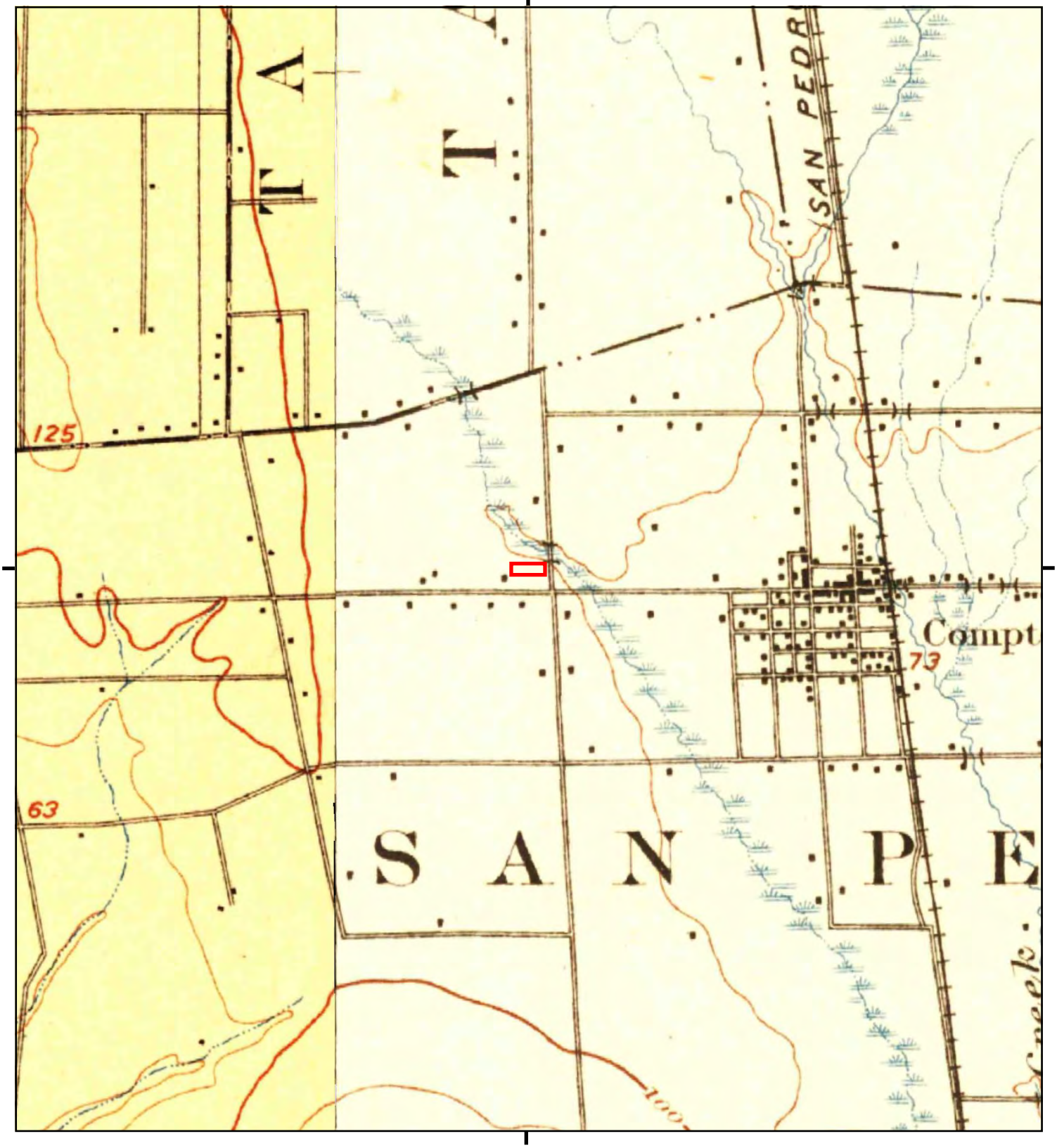
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute
W, Redondo, 1896, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.9

April 11, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.9

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	USGS
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

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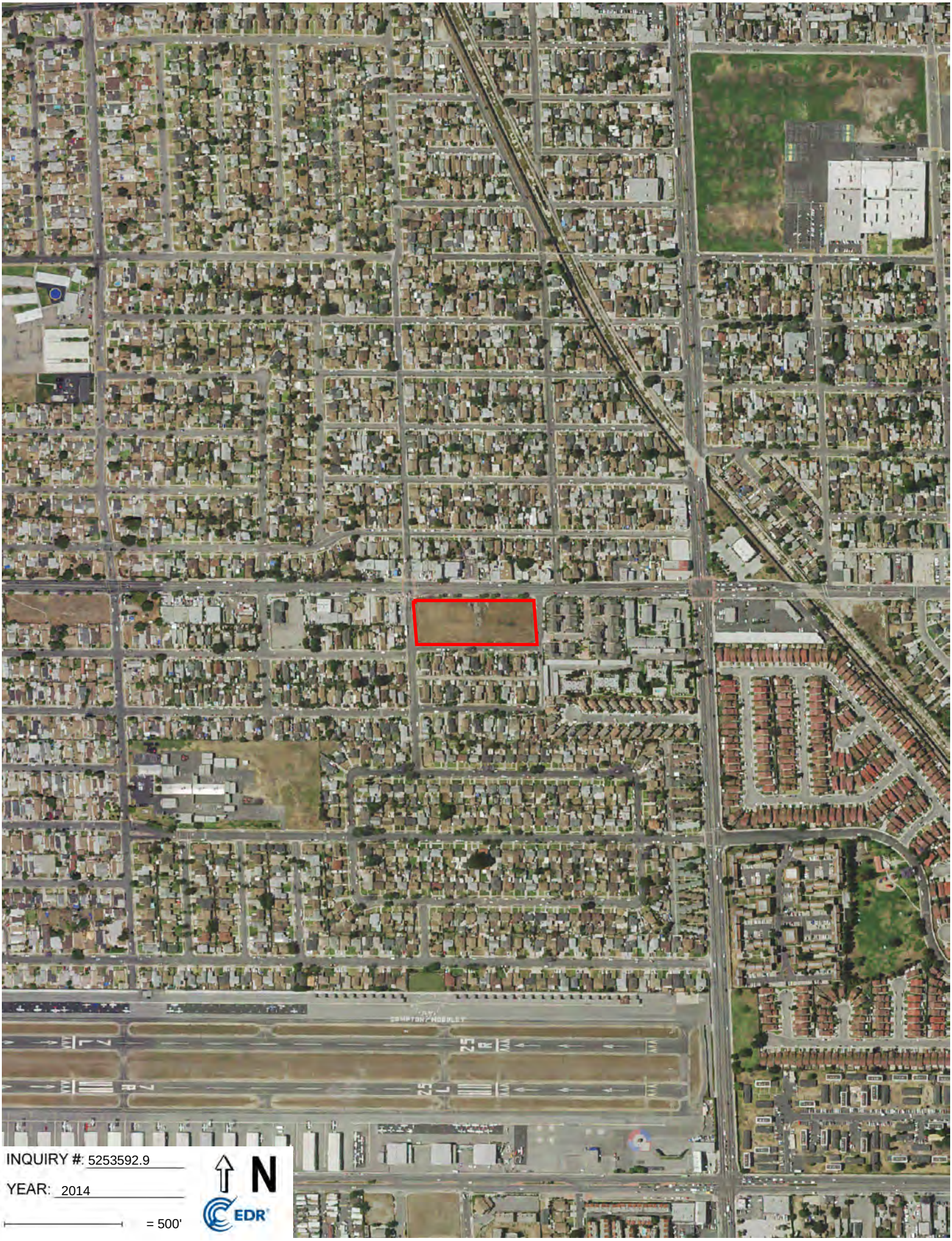

INQUIRY #: 5253592.9

YEAR: 2014

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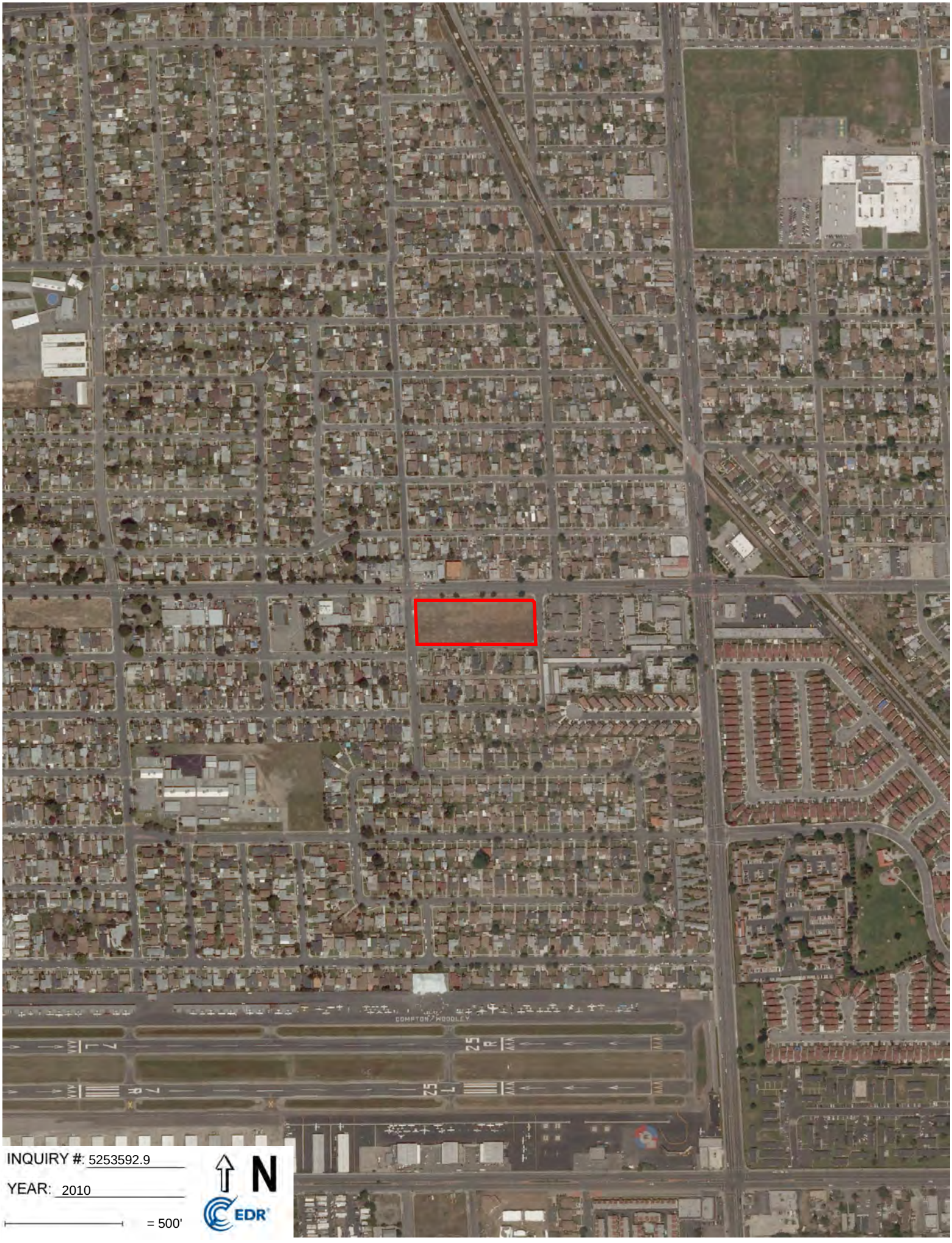
N

EDR


COMPTON/WOODLEY
INQUIRY #: 5253592.9
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 2002

= 500'

N

EDR

COMPTON
25 R
25 L
INQUIRY #: 5253592.9
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1989

= 500'

N

EDR

COMPTON
INQUIRY #: 5253592.9
YEAR: 1981
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EDR

INQUIRY #: 5253592.9

YEAR: 1979

= 500'

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EDR

INQUIRY #: 5253592.9

YEAR: 1977

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1963
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EDR

INQUIRY #: 5253592.9

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1947
= 500'
N
EDR

INQUIRY #: 5253592.9
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1928

= 500'

N

EDR

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.5
April 10, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Directory Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	X	X	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	X	X	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	X	X	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

930 Compton Boulevard
Compton, CA 90220

FINDINGS DETAIL

Target Property research detail.

W COMPTON BLVD

930 W COMPTON BLVD

Year	*Uses*	*Source*
2001	XXXX	Haines & Company, Inc.
1995	Kazi Residential Drug Program	Pacific Bell
1980	COMPTON CARE INC	Pacific Telephone
1976	Willows Resident School & Day Care Center	Pacific Telephone
1971	Willows Convalescent Hospital	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DWIGHT AVE S

113 DWIGHT AVE S

Year	Uses	Source
2001	HERNANDEZBema Sdo	Haines & Company, Inc.

153 DWIGHT AVE S

Year	Uses	Source
2001	PEREZR	Haines & Company, Inc.

157 DWIGHT AVE S

Year	Uses	Source
2001	GARCIAJuvenlino	Haines & Company, Inc.

E 152ND ST

1101 E 152ND ST

Year	Uses	Source
1951	CHunt H G	Pacific Directory Co.
1950	HUNT HAROLD 0 R	Pacific Telephone

1107 E 152ND ST

Year	Uses	Source
1951	Schmidt W L R9	Pacific Directory Co.
1950	SHEPPARD R BIIURTON REV R	Pacific Telephone

1108 E 152ND ST

Year	Uses	Source
1954	BILLINGS ROY W	R. L. Polk & Co.
1951	AGoldman Dan I R9	Pacific Directory Co.
1950	GOLDMAN DAN R	Pacific Telephone

1113 E 152ND ST

Year	Uses	Source
1954	GOSS MARGIE	R. L. Polk & Co.
1951	Pohlmann K A R9	Pacific Directory Co.
1950	P TLIMANN KARL A R	Pacific Telephone

FINDINGS

1117 E 152ND ST

Year	Uses	Source
1951	AParker J E R9	Pacific Directory Co.
1950	PARKER JASR	Pacific Telephone

1118 E 152ND ST

Year	Uses	Source
1951	Psalmonds R I R9	Pacific Directory Co.
1950	MCCLAIN WALTER WR	Pacific Telephone

1122 E 152ND ST

Year	Uses	Source
1951	Adams R L	Pacific Directory Co.
1950	PRICE ARTHUR R	Pacific Telephone

1123 E 152ND ST

Year	Uses	Source
1954	CLAYTON LARNEY M	R. L. Polk & Co.
1951	AWiemann D J	Pacific Directory Co.
1950	WIERNANO DANALD JR	Pacific Telephone

1127 E 152ND ST

Year	Uses	Source
1954	BLANTON DW	R. L. Polk & Co.
1951	ATabinq RH	Pacific Directory Co.
1950	TABING ROBT E R	Pacific Telephone

1128 E 152ND ST

Year	Uses	Source
1954	CATCHINGS ELMER	R. L. Polk & Co.
1951	n Ramsay H R	Pacific Directory Co.
1950	RAMSAY HAROLD R R	Pacific Telephone

1132 E 152ND ST

Year	Uses	Source
1954	LEWIS JEWELL	R. L. Polk & Co.
1951	ASippy S D R9	Pacific Directory Co.
1950	SIPPY S D MRS R	Pacific Telephone

1138 E 152ND ST

Year	Uses	Source
1954	QUINN AL G R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1951	AQuinn A G	Pacific Directory Co.
1950	QUINNI AL G R	Pacific Telephone

1143 E 152ND ST

Year	Uses	Source
1954	DRVOL EDW J R	R. L. Polk & Co.
1951	ADrvol E J R9	Pacific Directory Co.
1950	DRVOL EDWJ R	Pacific Telephone

1144 E 152ND ST

Year	Uses	Source
1951	ASaksa Wm	Pacific Directory Co.
1950	FRETAS J F R	Pacific Telephone

1147 E 152ND ST

Year	Uses	Source
1954	SEFER CHAS R	R. L. Polk & Co.
1951	ASefer Chas	Pacific Directory Co.
1950	SEFER CHAS R	Pacific Telephone

N DWIGHT AVE

105 N DWIGHT AVE

Year	Uses	Source
1980	HOOPER MICHAEL D	Pacific Telephone
1964	OROZCO OSCAR	Pacific Telephone
1960	OROZCO OSCAR	Pacific Telephone
1957	OROZCO OSCAR	Pacific Telephone

300 N DWIGHT AVE

Year	Uses	Source
1964	JORDAN BIRDIE	Pacific Telephone
1960	KNIGHT LOUIS	Pacific Telephone
1954	TRAMEL JAS H	R. L. Polk & Co.
1950	TRAMEL VIRGINIA R	Pacific Telephone

305 N DWIGHT AVE

Year	Uses	Source
1985	IRBY MARGIE	Pacific Bell
1980	GONZALEZ ANTONIO	Pacific Telephone
1957	HINKSON R J	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	WILLIAMS CHESTER D	R. L. Polk & Co.

311 N DWIGHT AVE

Year	Uses	Source
1960	LEWELLEN BINA	Pacific Telephone
1957	WILLIAMS NETTIE MRS	Pacific Telephone
1954	WILLIAMS NETTIE MRS	R. L. Polk & Co.
1950	SCUDDER JAS R	Pacific Telephone

N KEMP AVE

111 N KEMP AVE

Year	Uses	Source
1954	BENSON MABLE MRS	R. L. Polk & Co.

209 N KEMP AVE

Year	Uses	Source
2001	LEWIS Lorenco	Haines & Company, Inc.
1964	HOWARD W G	Pacific Telephone
1960	HOWARD W G	Pacific Telephone
1957	HOWARD W G	Pacific Telephone
1954	MOSES FLOYD	R. L. Polk & Co.

305 N KEMP AVE

Year	Uses	Source
1980	CULPEPPER BEATRICE	Pacific Telephone

309 N KEMP AVE

Year	Uses	Source
2001	RIOSJesus	Haines & Company, Inc.

311 N KEMP AVE

Year	Uses	Source
1985	TAPIA SALVADOR	Pacific Bell

313 N KEMP AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

315 N KEMP AVE

Year	Uses	Source
1980	CISNEROS LAZARO F	Pacific Telephone
1964	HIATT GERALD	Pacific Telephone
1960	HIATT GERALD	Pacific Telephone
1957	HIATT GERALD	Pacific Telephone
1954	HIATT GERALD R	R. L. Polk & Co.
1950	HIATT GERALD R	Pacific Telephone

S DWIGHT AVE

113 S DWIGHT AVE

Year	Uses	Source
1985	RAMIREZ ALEJANDRO MORENO	Pacific Bell

S Dwight Ave

153 S Dwight Ave

Year	Uses	Source
2014	KARRIEM ALI	EDR Digital Archive

S DWIGHT AVE

153 S DWIGHT AVE

Year	Uses	Source
1995	Perez R	Pacific Bell

S KEMP AVE

201 S KEMP AVE

Year	Uses	Source
2001	SMARTINEZJaime	Haines & Company, Inc.
1995	Martinez Angela A	Pacific Bell
1985	WIZARDARY ENTERPRISES	Pacific Bell

203 S KEMP AVE

Year	Uses	Source
2001	MARTINEZGlor	Haines & Company, Inc.
1995	Martinez Gloria	Pacific Bell
1981	GARNER YVONNE COMPTON	Pacific Telephone
1980	GARNER YVONNE	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	SMITH FERGUSON	Pacific Telephone

205 S KEMP AVE

Year	Uses	Source
1975	LONG SHARON	Pacific Telephone
1964	JOHNSON ERMA	Pacific Telephone
	JOHNSON OLIVER	Pacific Telephone
1960	BOND WESLEY	Pacific Telephone
	BOND DOROTHY MAE	Pacific Telephone
1957	WICKER JERRY	Pacific Telephone

S Kemp Ave

207 S Kemp Ave

Year	Uses	Source
2014	OLAGUE TREE & GARDEN SERVICE	EDR Digital Archive

S KEMP AVE

207 S KEMP AVE

Year	Uses	Source
2001	AGUILERAFran	Haines & Company, Inc.
1960	SMITH PEARL P	Pacific Telephone

SCHOOL

930 SCHOOL

Year	Uses	Source
1981	MITCHELL ERMA COMPTON	Pacific Telephone

W 151ST

932 W 151ST

Year	Uses	Source
1986	EDWARDS PEARLEAN COMPTON	Pacific Bell
1981	EDWARDS PEARLEAN COMPTON	Pacific Telephone
1971	Robinson Bobbie	Pacific Telephone

950 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

FINDINGS

964 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

1109 W 151ST

Year	Uses	Source
1981	WASHINGTON VIRGIL COMPTON	Pacific Telephone

W 151ST ST

910 W 151ST ST

Year	Uses	Source
1954	BENELL IRENE M	R. L. Polk & Co.

916 W 151ST ST

Year	Uses	Source
2001	8 MCCLOUDKathy	Haines & Company, Inc.
1964	PERRY LE ROY	Pacific Telephone
1957	DAKE JACK	Pacific Telephone
1954	SEMPLE DOUGLAS M R	R. L. Polk & Co.
1950	NAFFAIGER CHAS JR R	Pacific Telephone

918 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	HIRSHEL WM	R. L. Polk & Co.
	AFRICK MAY	R. L. Polk & Co.
1950	SMITH GEO J R	Pacific Telephone

924 W 151ST ST

Year	Uses	Source
2001	ENLLANCHELus 00 I	Haines & Company, Inc.
1964	MARSHALL CURRIE	Pacific Telephone
1960	BRADLEY EUGENE	Pacific Telephone
1957	TIMLIN WM D	Pacific Telephone
1954	TIMLIN WM D	R. L. Polk & Co.

926 W 151ST ST

Year	Uses	Source
2001	XXXXI I	Haines & Company, Inc.
1960	BLAYLOCK WILLARD E	Pacific Telephone

FINDINGS

932 W 151ST ST

Year	Uses	Source
2001	MACIELJuan 00 t	Haines & Company, Inc.
1985	EDWARDS PEARLEAN	Pacific Bell
1980	EDWARDS PEARLEAN	Pacific Telephone
1976	Edwards Pearlean	Pacific Telephone
1975	EDWARDS PEARLEAN	Pacific Telephone
1967	Robinson Bobbie	Pacific Telephone
1957	PEREZ EBARISTO PAUL	Pacific Telephone
1954	WOOLERY LENNETH A	R. L. Polk & Co.
1950	AULT GEO R	Pacific Telephone

934 W 151ST ST

Year	Uses	Source
2001	MACIELJuan M	Haines & Company, Inc.
1976	Mc Williams David	Pacific Telephone
1964	BOWMAN WM MRS	Pacific Telephone
1960	ZURITA CLARENCE	Pacific Telephone
1957	ZURITA CLARENCE	Pacific Telephone
1950	LUCAS JAS R R	Pacific Telephone

940 W 151ST ST

Year	Uses	Source
2001	HUDSO	Haines & Company, Inc.
1985	HUDSON KATE	Pacific Bell
1980	HUDSON KATE	Pacific Telephone
1975	HUDSON KATE	Pacific Telephone
1954	FARRIS SAML	R. L. Polk & Co.

942 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	BRADSHAW ROSETTA	Pacific Telephone
1960	ELIZONDO RAYMON	Pacific Telephone
1957	ELIZONDO RAYMON	Pacific Telephone
1950	ISAACS VIRGINIA	Pacific Telephone

948 W 151ST ST

Year	Uses	Source
2001	CASTROGerardo 00 HI	Haines & Company, Inc.
1985	SMITH WARREN H	Pacific Bell

FINDINGS

Year	Uses	Source
1960	SMITH WARREN H	Pacific Telephone

950 W 151ST ST

Year	Uses	Source
1976	Smith Elouise	Pacific Telephone
	Smith Warren H	Pacific Telephone
1964	SMITH WARREN H	Pacific Telephone
1960	MARSHALL CURRIE	Pacific Telephone
1958	Marshall Currie	Pacific Telephone
1957	BISHOP ARTIE BELLE	Pacific Telephone
1950	JOHNSON HELEN R	Pacific Telephone

956 W 151ST ST

Year	Uses	Source
2001	GUZMANGualbedo 00 o	Haines & Company, Inc.
1954	MERRILL ROBT R MRS	R. L. Polk & Co.
1950	THARP HOWARD W JR R	Pacific Telephone

958 W 151ST ST

Year	Uses	Source
2001	ORTEGAManuel J	Haines & Company, Inc.
1950	FORTTER W C R	Pacific Telephone

964 W 151ST ST

Year	Uses	Source
2001	OLMOSJuan	Haines & Company, Inc.
1975	GRIFFIN AGNES	Pacific Telephone
1960	HARRIS JOHN E	Pacific Telephone
1957	HARRIS JOHN E	Pacific Telephone
1954	RULE ELMER A R	R. L. Polk & Co.

966 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	LETTRIES CHAS W	Pacific Bell
1954	ENDRES PAUL B	R. L. Polk & Co.

972 W 151ST ST

Year	Uses	Source
2001	FRANKLIN Benose 00 D	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1975	FORD ANNIE	Pacific Telephone
1954	ARNS STEVEN D	R. L. Polk & Co.
1950	CARUSO CARL R	Pacific Telephone

974 W 151ST ST

Year	Uses	Source
2001	FRANKLIN D	Haines & Company, Inc.
1958	Bell Jas C	Pacific Telephone
1957	BELL JAS C	Pacific Telephone
1954	CARUSO CARL	R. L. Polk & Co.
1950	KAHN PETER H R	Pacific Telephone

1023 W 151ST ST

Year	Uses	Source
2001	RAMIREZAlen	Haines & Company, Inc.
1980	PERRALES BERNARD	Pacific Telephone
1975	MORALES ANSELMO	Pacific Telephone

1026 W 151ST ST

Year	Uses	Source
2001	GARCIA LUI	Haines & Company, Inc.
1985	PERALES ISABEL	Pacific Bell
1980	PERALES ISABEL	Pacific Telephone
1975	PERALES ISABEL	Pacific Telephone

1027 W 151ST ST

Year	Uses	Source
2001	FORDMdlon 00 i MCCLINTON Louilse V	Haines & Company, Inc.
1985	PIPER LOUISE V	Pacific Bell
1980	PIPER LOUISE V	Pacific Telephone
1975	PIPER LOUISE V	Pacific Telephone

1029 W 151ST ST

Year	Uses	Source
2001	LARA Emery 00 yr	Haines & Company, Inc.

1030 W 151ST ST

Year	Uses	Source
2001	ROBLES Maria	Haines & Company, Inc.
1980	PERALES HERMAN C & TERESA	Pacific Telephone

FINDINGS

1031 W 151ST ST

Year	Uses	Source
2001	DAVISLee	Haines & Company, Inc.

1034 W 151ST ST

Year	Uses	Source
2001	GIBSONEarl	Haines & Company, Inc.
1985	GONZALES MARIA	Pacific Bell
1980	GONZALEZ MARIA	Pacific Telephone

1102 W 151ST ST

Year	Uses	Source
2001	STEVERSONLois	Haines & Company, Inc.

1105 W 151ST ST

Year	Uses	Source
2001	DEBOSE Clilfford	Haines & Company, Inc.

W 151st St

1106 W 151st St

Year	Uses	Source
2014	MACCABEE FREIGHT SERVICES	EDR Digital Archive
2010	MACCABEE FREIGHT SERVICES	EDR Digital Archive

W 151ST ST

1106 W 151ST ST

Year	Uses	Source
2001	FINISTER	Haines & Company, Inc.
1976	Finister Addie	Pacific Telephone
1975	FINISTER ADDIE	Pacific Telephone

1109 W 151ST ST

Year	Uses	Source
2001	MARESDavid	Haines & Company, Inc.
1976	Washington ington ington Virgil	Pacific Telephone

1112 W 151ST ST

Year	Uses	Source
2001	8 BALLESTEROSLuisaa	Haines & Company, Inc.

FINDINGS

1115 W 151ST ST

Year	Uses	Source
2001	8 PADILLARicardo	Haines & Company, Inc.

1116 W 151ST ST

Year	Uses	Source
2001	BALLESTEROSR	Haines & Company, Inc.

1119 W 151ST ST

Year	Uses	Source
2001	8 MEZAJose	Haines & Company, Inc.
1980	GUERRA IGNACIO	Pacific Telephone

1120 W 151ST ST

Year	Uses	Source
2001	RODRIGUEZArturo 00 S	Haines & Company, Inc.

W 152ND

932 W 152ND

Year	Uses	Source
1981	SIMMONS CHAS E COMPTON	Pacific Telephone

972 W 152ND

Year	Uses	Source
1981	LEMELLE C D COMPTON	Pacific Telephone
1971	Howard Patsy	Pacific Telephone

975 W 152ND

Year	Uses	Source
1981	DAWSON JOS COMPTON	Pacific Telephone
1962	Fenderson Iley	Pacific Telephone

W 152ND PL

925 W 152ND PL

Year	Uses	Source
1950	F ER REBT HI R	Pacific Telephone

926 W 152ND PL

Year	Uses	Source
1985	SIMONTON THEO	Pacific Bell

Year	Uses	Source
1950	LRADFORD EARL A R	Pacific Telephone

933 W 152ND PL

Year	Uses	Source
1950	DROVDAL ORVILLE J R	Pacific Telephone

972 W 152ND PL

Year	Uses	Source
1980	LEMEILE C D	Pacific Telephone
1975	HOWARD PATSY	Pacific Telephone
1964	BALL LILLIE	Pacific Telephone
	NORWOOD CHAS	Pacific Telephone
1950	FELDMAN BERNARD G R	Pacific Telephone

973 W 152ND PL

Year	Uses	Source
1985	ROJAS EFRAIN	Pacific Bell
1954	TOOLE RICHARD D	R. L. Polk & Co.
1950	FELIX JAS P LOS ANGELES MIRROR DISTR	Pacific Telephone

W 152ND ST

908 W 152ND ST

Year	Uses	Source
2001	GRAYS Kim	Haines & Company, Inc.
1950	STUCKER DANI0R	Pacific Telephone

909 W 152ND ST

Year	Uses	Source
1954	KNUDSON MARVIN	R. L. Polk & Co.

910 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MALLORY THURRON E	Pacific Telephone
1954	EVANS E E	R. L. Polk & Co.

916 W 152ND ST

Year	Uses	Source
2001	GARIBAYDa Vid	Haines & Company, Inc.

Year	Uses	Source
1964	LEMONS LUCILLE	Pacific Telephone
1960	LEMONS LUCILLE	Pacific Telephone
1950	HAUSER ROBT G R	Pacific Telephone

917 W 152ND ST

Year	Uses	Source
2001	AVALOSRodnguez Maria	Haines & Company, Inc.
1960	HARRIS BETTI CAROL	Pacific Telephone
1957	WILSON MAMIE G	Pacific Telephone
	JOHNSON HORTESSE	Pacific Telephone
1954	SPAPNOLA EUGENE P	R. L. Polk & Co.

918 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	DOUGLAS ALLEN JR	Pacific Telephone
1957	THOMAS H W	Pacific Telephone
1954	SILLS EDW R	R. L. Polk & Co.
1950	SILLS EDW R	Pacific Telephone

919 W 152ND ST

Year	Uses	Source
2001	VEGA Maria	Haines & Company, Inc.
1964	HARRIS NAPOLEON	Pacific Telephone
1954	GERHARD GLORIA	R. L. Polk & Co.

W 152nd St

924 W 152nd St

Year	Uses	Source
2010	RUFINO DANIEL	EDR Digital Archive

W 152ND ST

924 W 152ND ST

Year	Uses	Source
2001	CRUZ Daniel	Haines & Company, Inc.
1950	GUSTAFSON ARTHUR A R	Pacific Telephone

FINDINGS

925 W 152ND ST

Year	Uses	Source
2001	GARAYRamon	Haines & Company, Inc.
1976	Mc Carty Beatrice	Pacific Telephone

926 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

927 W 152ND ST

Year	Uses	Source
2001	RAMIREZEsmeralda	Haines & Company, Inc.
1950	LEWIS JOHN CLARKR	Pacific Telephone

932 W 152ND ST

Year	Uses	Source
2001	GOMEZPedro	Haines & Company, Inc.
1976	Simmons Chas E	Pacific Telephone
1967	Simmons Chas E	Pacific Telephone
1954	FISHBEIN SOL	R. L. Polk & Co.

933 W 152ND ST

Year	Uses	Source
2001	SWILLISDewlu	Haines & Company, Inc.
1954	DICKHUDT WM D	R. L. Polk & Co.

934 W 152ND ST

Year	Uses	Source
1964	SMITH EVELYN	Pacific Telephone
1954	M HOINOSKI FRANK	R. L. Polk & Co.
1950	FINEGAN HARLAND S R	Pacific Telephone

935 W 152ND ST

Year	Uses	Source
1954	HAUSKINS ROY H	R. L. Polk & Co.

940 W 152ND ST

Year	Uses	Source
2001	PORTILLOYadira	Haines & Company, Inc.
1954	FARMER WANDA R	R. L. Polk & Co.
1950	FARMER WANDAR	Pacific Telephone

FINDINGS

941 W 152ND ST

Year	Uses	Source
2001	ROSSTheodore	Haines & Company, Inc.
1954	FULLER PATRICIA ANN	R. L. Polk & Co.

942 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	BUOKRIDQE RUSSELL R R	R. L. Polk & Co.

943 W 152ND ST

Year	Uses	Source
1964	DUNCAN MILTON	Pacific Telephone
1960	DUNCAN MILTON	Pacific Telephone
1957	DUNCAN MILTON	Pacific Telephone
1954	SWANGER ROBT D	R. L. Polk & Co.

948 W 152ND ST

Year	Uses	Source
1960	HENDERSON JAS D	Pacific Telephone
1950	BEST GORU4UN BR	Pacific Telephone

949 W 152ND ST

Year	Uses	Source
2001	NAVAREmili o	Haines & Company, Inc.
1958	Sanders Richard A	Pacific Telephone

950 W 152ND ST

Year	Uses	Source
1957	GLENN JAS D	Pacific Telephone
1954	BATESOLE KENNETH L R	R. L. Polk & Co.
1950	BATESCIE KENNETH L R	Pacific Telephone

951 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

956 W 152ND ST

Year	Uses	Source
2001	SWILLIAMSKeilh	Haines & Company, Inc.
1964	SMITH RECIE	Pacific Telephone
1954	SHAON WM V	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1950	SCHARFENBERG GEO W R	Pacific Telephone

957 W 152ND ST

Year	Uses	Source
2001	TORRESGollleemo	Haines & Company, Inc.
1960	FLETCHER ADELL	Pacific Telephone
1950	LAIRD WESLEY W R	Pacific Telephone

958 W 152ND ST

Year	Uses	Source
1960	COOPER CLARENCE	Pacific Telephone
1957	SMITH ROBT H	Pacific Telephone
1954	HONEYCUTT DONALD B R	R. L. Polk & Co.
1950	HONEYCUTT DONALD BR	Pacific Telephone

959 W 152ND ST

Year	Uses	Source
2001	TORRESMaria	Haines & Company, Inc.
1964	TUCKER LONZO	Pacific Telephone
1960	TUCKER LONZO	Pacific Telephone
1954	PERRY GORDON E	R. L. Polk & Co.
1950	TAYLOR F J DR R	Pacific Telephone

964 W 152ND ST

Year	Uses	Source
2001	POLK Sylvester	Haines & Company, Inc.

965 W 152ND ST

Year	Uses	Source
2001	GOSZALEZIvete	Haines & Company, Inc.
1960	HUBER BURT	Pacific Telephone
1954	BREWER WM H	R. L. Polk & Co.

966 W 152ND ST

Year	Uses	Source
1967	Williams Dwight	Pacific Telephone
1960	THOMPSON JEANETTE	Pacific Telephone
1957	THOMPSON ALTON	Pacific Telephone
1950	ROBAUGH JOHN W R	Pacific Telephone

FINDINGS

967 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	WILLIS JOE W	Pacific Telephone
1957	HALL HARMON M	Pacific Telephone
1954	HALL HARMON M	R. L. Polk & Co.
1950	GETZ J S DR R	Pacific Telephone

972 W 152ND ST

Year	Uses	Source
2001	JACKSON Charles	Haines & Company, Inc.
1976	Howard Patsy	Pacific Telephone

973 W 152ND ST

Year	Uses	Source
2001	VILLALOBOS	Haines & Company, Inc.

974 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1976	Chevis Minnie	Pacific Telephone

975 W 152ND ST

Year	Uses	Source
2001	CEJAJo	Haines & Company, Inc.
1960	FENDERSON ILEY	Pacific Telephone
1957	FENDERSON ILEY	Pacific Telephone

980 W 152ND ST

Year	Uses	Source
1957	KOTARSKI VINCENT	Pacific Telephone

982 W 152ND ST

Year	Uses	Source
2001	GRAY Le	Haines & Company, Inc.
1967	Bowser Avis	Pacific Telephone
1964	BOWSER AVIS	Pacific Telephone
1950	PFEIFER ROBT H R	Pacific Telephone

1003 W 152ND ST

Year	Uses	Source
2001	WILLISEmmett	Haines & Company, Inc.

FINDINGS

1004 W 152ND ST

Year	Uses	Source
2001	CHANLin	Haines & Company, Inc.

1007 W 152ND ST

Year	Uses	Source
2001	BRAMBILADnlores	Haines & Company, Inc.

1011 W 152ND ST

Year	Uses	Source
2001	TANNER James	Haines & Company, Inc.

1015 W 152ND ST

Year	Uses	Source
2001	GONZALEZRoque	Haines & Company, Inc.

1016 W 152ND ST

Year	Uses	Source
2001	RODRIGUEZF	Haines & Company, Inc.

1019 W 152ND ST

Year	Uses	Source
2001	ALVARADOManue	Haines & Company, Inc.

1100 W 152ND ST

Year	Uses	Source
2001	OWEBBERArchie	Haines & Company, Inc.

1108 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1114 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1115 W 152ND ST

Year	Uses	Source
2001	SACEVESAlberto	Haines & Company, Inc.

1117 W 152ND ST

Year	Uses	Source
2001	GONZALEZNalividad	Haines & Company, Inc.

FINDINGS

1118 W 152ND ST

Year	Uses	Source
2001	SANDOVALCarlos	Haines & Company, Inc.

W ALMOND ST

937 W ALMOND ST

Year	Uses	Source
2001	KIRKS Karen	Haines & Company, Inc.
1985	WYNNE GEO H	Pacific Bell
1964	WYNNE GEO H	Pacific Telephone
1960	WYNNE GEO H	Pacific Telephone
1954	DERBYSHIRE EDGAR W R	R. L. Polk & Co.
1951	Derbyshire E W	Pacific Directory Co.

941 W ALMOND ST

Year	Uses	Source
2001	OCLAYTONMae	Haines & Company, Inc.
1954	KESSLERJ L R	R. L. Polk & Co.
1951	AKesslcr J K	Pacific Directory Co.
1950	KESSLER J K R	Pacific Telephone

945 W ALMOND ST

Year	Uses	Source
2001	NETTLES Freddie L	Haines & Company, Inc.
1985	PRINCE T C	Pacific Bell
1960	PRINCE T C	Pacific Telephone
1957	PRINCE T C	Pacific Telephone
1954	GWIN KENCETH E R	R. L. Polk & Co.
1951	AGwin K E	Pacific Directory Co.
1950	GWIN KENNETH E R	Pacific Telephone

949 W ALMOND ST

Year	Uses	Source
2001	SWANSONImogene	Haines & Company, Inc.
1985	SWANSON IMOGENE	Pacific Bell
1976	Swanson Imogene	Pacific Telephone
1964	WILLIAMS ROBT A	Pacific Telephone
1957	WILLIAMS R G	Pacific Telephone
1954	MILLER JOHN L R	R. L. Polk & Co.
1951	AMiller J L	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1950	MILLER JOHN L R	Pacific Telephone

953 W ALMOND ST

Year	Uses	Source
1985	MATHERSHED W	Pacific Bell
1980	MATHERSHED W	Pacific Telephone
1975	MATHERSHED W	Pacific Telephone
1957	OCELLO LOUIS C	Pacific Telephone
1954	OCELLO LOUIS C R	R. L. Polk & Co.
1951	AOcello L S	Pacific Directory Co.

957 W ALMOND ST

Year	Uses	Source
2001	DIAZArtuna	Haines & Company, Inc.
1960	GOMEZ MAX	Pacific Telephone
1957	GOMES MAX	Pacific Telephone
1954	GOMEZ MAX	R. L. Polk & Co.
1951	ABurgesser F W	Pacific Directory Co.
1950	BURGESSER F W R	Pacific Telephone

961 W ALMOND ST

Year	Uses	Source
2001	FAULKNERTommy	Haines & Company, Inc.
1980	FAULKNER TOMMY L JR	Pacific Telephone
1975	FAULKNER TUMMY L JR	Pacific Telephone
1964	BISHOP BEATRICE N	Pacific Telephone
1951	APorter H J	Pacific Directory Co.
1950	WILES C HR	Pacific Telephone

965 W ALMOND ST

Year	Uses	Source
1985	POOL JAS	Pacific Bell
1980	POOL JAS	Pacific Telephone
1975	POOL JAS	Pacific Telephone
1951	AKaplanek R J	Pacific Directory Co.

969 W ALMOND ST

Year	Uses	Source
2001	SBATTLE Nathan	Haines & Company, Inc.
1985	JONES SHIRLEY	Pacific Bell

FINDINGS

Year	Uses	Source
1960	WIEGELT ROBT	Pacific Telephone
1957	WIEGELT ROBT	Pacific Telephone
1954	WIEGELT ROBTR	R. L. Polk & Co.
1951	AWiegelt Robt	Pacific Directory Co.
1950	WIEGELT ROBTR	Pacific Telephone

973 W ALMOND ST

Year	Uses	Source
2001	WIMNM	Haines & Company, Inc.
1985	WRAGGS LESSIE DEAN	Pacific Bell
	WRAGGS LESSIE D	Pacific Bell
1976	Wraggs Lessie Dean	Pacific Telephone
1964	KELLY JAS	Pacific Telephone
1960	BLAIZE ALDWIN L	Pacific Telephone
1957	BLAIZE ALDWIN L	Pacific Telephone
1954	LASS H W MIKE R	R. L. Polk & Co.
1951	ALass H W M	Pacific Directory Co.
1950	LASS H W MIKE R	Pacific Telephone

1001 W ALMOND ST

Year	Uses	Source
2001	SMERCADOSeraltio	Haines & Company, Inc.
1985	TAYLOR ROSIE	Pacific Bell
1980	ESTERS WINSTON J SR	Pacific Telephone
1975	ESTERS WINSTON J SR	Pacific Telephone
1960	ESTERS ROYCE W	Pacific Telephone
1954	ROBINSON ROSS A R	R. L. Polk & Co.
1951	ARobinson R A	Pacific Directory Co.
1950	SMITH WM IT COMDR RET R	Pacific Telephone

1005 W ALMOND ST

Year	Uses	Source
1964	TRAMBLE SYLVESTER	Pacific Telephone
1957	JAMES ISABELLE	Pacific Telephone
1954	TREWEEK LOYAL S R	R. L. Polk & Co.
1951	ATrewecp L S	Pacific Directory Co.
1950	AMES WM A JR R	Pacific Telephone

FINDINGS

1009 W ALMOND ST

Year	Uses	Source
2001	DANDRIDGEHyacinth	Haines & Company, Inc.
1985	DANDRIDGE DARLENE M	Pacific Bell
	LAKE HYACINTH M	Pacific Bell
1980	DANDRIDGE DARLENE M	Pacific Telephone
	LAKE HYACINTH M	Pacific Telephone
1976	Lake Hyacinth M	Pacific Telephone
	Dandridge Hiedy V	Pacific Telephone
1975	LAKE HYACINTH M	Pacific Telephone
	DANDRIGE DARLENE M	Pacific Telephone
1964	LAKE HYACINTH M	Pacific Telephone
1960	LAKE HYACINTH M	Pacific Telephone
1958	Lake Hyacinth M	Pacific Telephone
1957	LAKE HYACINTH NI	Pacific Telephone
1954	DANDRIDGE HENRY	R. L. Polk & Co.
1951	ADorsott H H	Pacific Directory Co.
1950	DORSETT H H R	Pacific Telephone

W COMPTON BLVD

851 W COMPTON BLVD

Year	Uses	Source
2001	BCCTRUCKINGAND	Haines & Company, Inc.
1995	Davis Linn atty at law	Pacific Bell
	Duncan Anthony DDS	Pacific Bell
	Ortega John Ratty	Pacific Bell
	Joyce Maureen C atty	Pacific Bell
1976	Carter Philip M atty	Pacific Telephone
	Hall Roland W Sr atty	Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION	Pacific Telephone
1971	Action Enterprises	Pacific Telephone
	Washington Geo Jr Dr dntst	Pacific Telephone
1964	WASHINGTON GEO JR DR DNTST	Pacific Telephone

857 W COMPTON BLVD

Year	Uses	Source
1964	K C APPLIANCES & SERV	Pacific Telephone
1954	ZUCKWEILER W E	R. L. Polk & Co.

Year	Uses	Source
1951	AGump Bros poultry	Pacific Directory Co.

861 W COMPTON BLVD

Year	Uses	Source
2001	FRANKSBARBER	Haines & Company, Inc.
1951	1/2 Dale W W	Pacific Directory Co.
	Belin L M Mrs	Pacific Directory Co.

W Compton Blvd

863 W Compton Blvd

Year	Uses	Source
2014	MARSHALL TERRY	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive
2010	MARSHALL / SONS LANDSCAPING CO	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive

W COMPTON BLVD

863 W COMPTON BLVD

Year	Uses	Source
2001	LOZANOJosfeina 00 I	Haines & Company, Inc.
1995	Elizarraras Emigdio	Pacific Bell
1975	AGUILAR GLORIA	Pacific Telephone
1964	HODGE GULOY V	Pacific Telephone
	HODGE LENA K	Pacific Telephone
1957	DEMOREE FRANK	Pacific Telephone
1951	ASpencer W S	Pacific Directory Co.
1950	SPENCER WM S R	Pacific Telephone

873 W COMPTON BLVD

Year	Uses	Source
2001	HEINANDEZBsmardo	Haines & Company, Inc.

W Compton Blvd

891 W Compton Blvd

Year	Uses	Source
2010	GRIMALDO RUBEN	EDR Digital Archive

FINDINGS

W COMPTON BLVD

891 W COMPTON BLVD

Year	Uses	Source
2001	TORREZRa 5a	Haines & Company, Inc.
1975	HOLLOWAY MELVILLE J	Pacific Telephone
1964	HOLLOWAY MELVILLE J	Pacific Telephone
1960	HOLLOWAY MELVILLE J	Pacific Telephone
1957	HOLLOWAY MELVILLE J	Pacific Telephone
1954	SONES WAYNE H R	R. L. Polk & Co.
1951	ASoncs W H	Pacific Directory Co.
1950	SONES WAYNE H R	Pacific Telephone
1947	Sones W H	Pacific Directory Co.

W Compton Blvd

901 W Compton Blvd

Year	Uses	Source
2014	ANTISTA INC	EDR Digital Archive

W COMPTON BLVD

901 W COMPTON BLVD

Year	Uses	Source
2001	SDALEShrley	Haines & Company, Inc.
1985	DALES APPLIANCES & SERVICE	Pacific Bell
1980	DALES APPLIANCES & SERVICE	Pacific Telephone
1975	DALE S APPLIANCES & SERVICE	Pacific Telephone
1964	FASHION CLEANERS	Pacific Telephone
1960	FASHION CLEANERS	Pacific Telephone
1957	GEORGE S CLEANERS	Pacific Telephone
1954	EXCEL CLEANERS	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Vacant	Pacific Directory Co.

W Compton Blvd

903 W Compton Blvd

Year	Uses	Source
2010	J ROOFING	EDR Digital Archive

FINDINGS

W COMPTON BLVD

903 W COMPTON BLVD

Year	Uses	Source
2001	DANIELSRENTAL	Haines & Company, Inc.
1971	Countee Noyal Realty	Pacific Telephone
1954	HENRIETTA S BEAUTY SALON	R. L. Polk & Co.

W Compton Blvd

905 W Compton Blvd

Year	Uses	Source
2010	FLAVA INC	EDR Digital Archive

W COMPTON BLVD

905 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Sir Chriss Beauty Salon	Pacific Bell
1985	HAIR AND NAILS UNLIMITED	Pacific Bell
	HAIR AND NAILS UNLIMITED	Pacific Bell
1976	Calloway Monument Co	Pacific Telephone
	Calloway Harry	Pacific Telephone
1960	ALCO MAINTENANCE CO	Pacific Telephone
1957	WOODS RADIO & TV SHOP	Pacific Telephone
1951	Vacant	Pacific Directory Co.

W Compton Blvd

909 W Compton Blvd

Year	Uses	Source
2014	CALLOWAY MONUMENT CO	EDR Digital Archive
2010	CALLOWAY MONUMENT CO	EDR Digital Archive

W COMPTON BLVD

909 W COMPTON BLVD

Year	Uses	Source
2001	CALLOWAYMNMNTCO	Haines & Company, Inc.
1995	Calloway Monument Co	Pacific Bell

Year	Uses	Source
1964	ALCO MAINTENANCE CO	Pacific Telephone
1957	MULE TRUCK LINE	Pacific Telephone
1951	AFowlie W H trailer rentals	Pacific Directory Co.
1950	FOWLIE WM H TRAILR RENTALS	Pacific Telephone
1947	Fowlie W H trailer rentals	Pacific Directory Co.

W Compton Blvd

911 W Compton Blvd

Year	Uses	Source
2014	WALKERS TV SERVICE	EDR Digital Archive
	BJ WALKERS TV SERVICE	EDR Digital Archive
2010	BJ WALKERS TV SERVICE	EDR Digital Archive
	WALKERS TV SERVICE	EDR Digital Archive

W COMPTON BLVD

911 W COMPTON BLVD

Year	Uses	Source
2001	TILLMANLinda 00 I WALKERSAPPLIANCE	Haines & Company, Inc.
1995	Walkers Appliance Service	Pacific Bell
	Walkers TV Service	Pacific Bell
1960	NU-FASHION BARBER SHOP	Pacific Telephone
1957	EXCEL CLEANERS	Pacific Telephone

913 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MADDOX CLIFFORD	Pacific Bell

919 W COMPTON BLVD

Year	Uses	Source
2001	ANDRESWROUGHT	Haines & Company, Inc.
1995	One Day Home Care Iron Sales	Pacific Bell
1980	PACIFIC EXPRESS ORNAMENTAL IRON	Pacific Telephone
1975	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone
	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	SINE WAVE CORP	Pacific Telephone

923 W COMPTON BLVD

Year	Uses	Source
1960	EXCEL CLEANERS	Pacific Telephone

925 W COMPTON BLVD

Year	Uses	Source
1940	Vacant	Los Angeles Directory Co.

W Compton Blvd

929 W Compton Blvd

Year	Uses	Source
2010	MUEBLERIA LOS AMIGOS	EDR Digital Archive

W COMPTON BLVD

929 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1957	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1954	MAC S RADIATOR SERV	R. L. Polk & Co.
1951	AMacs Radiator Serv	Pacific Directory Co.
1950	MAC S RADIATOR SERV	Pacific Telephone

933 W COMPTON BLVD

Year	Uses	Source
2001	CENTRLSYSTEMS	Haines & Company, Inc.
1980	A A AUTO REPAIR	Pacific Telephone
1975	A A AUTO REPAIR	Pacific Telephone
1964	A A A AUTO REPAIR	Pacific Telephone

935 W COMPTON BLVD

Year	Uses	Source
2001	SOOOAshok	Haines & Company, Inc.

FINDINGS

937 W COMPTON BLVD

Year	Uses	Source
1957	TOPANGA TUBE CO ELECTREC TUBES	Pacific Telephone
1954	HUB CITY UPHOLSTERY	R. L. Polk & Co.
1951	ACompton Mattress Shop	Pacific Directory Co.
1950	COMPTON MATTRESS CO	Pacific Telephone

W Compton Blvd

939 W Compton Blvd

Year	Uses	Source
2010	YOUNGS STYLE CENTER	EDR Digital Archive

W COMPTON BLVD

939 W COMPTON BLVD

Year	Uses	Source
2001	YOUNGSSTYLE	Haines & Company, Inc.
1995	Youngs Style Center	Pacific Bell
	Youngs Style Center	Pacific Bell
1985	WIZ STORE	Pacific Bell
1964	WATKINS PRODUCTS DISTRIBUTORS	Pacific Telephone
1960	G S PUBLIC RELATION SYSTEM	Pacific Telephone
1957	NOMIA S BEAUTY SALON	Pacific Telephone
1954	MYHAND-KELLY HDWE CO	R. L. Polk & Co.
1951	AMyhand Kelly Hdw Co	Pacific Directory Co.
1950	MYHAND-KEILY HDWE CO	Pacific Telephone

940 W COMPTON BLVD

Year	Uses	Source
1947	Enterprise High Schi	Pacific Directory Co.

W Compton Blvd

941 W Compton Blvd

Year	Uses	Source
2010	DIAZ JOSE M	EDR Digital Archive

FINDINGS

W COMPTON BLVD

941 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	ADELL S BAR-B-Q	Pacific Bell
1980	ADELLS BAR B Q	Pacific Telephone
1975	ADELLS BAR B Q	Pacific Telephone
1964	LEONARD S BAR-B-Q	Pacific Telephone
1960	HARRIS BAR-B-QUE	Pacific Telephone
1957	GLOSSON S BARBECUE	Pacific Telephone
1954	KATHIE S CHICKEN PIES	R. L. Polk & Co.
1951	a Offenhauscr Fred	Pacific Directory Co.
	AOffenhauser Fred bakery	Pacific Directory Co.
1950	KATBIE S CHICKEN PIES	Pacific Telephone
1947	Barclay Albt bkry	Pacific Directory Co.

945 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Tapia Maria Elena	Pacific Bell
	Carolyn Fikess Gifts	Pacific Bell
	One Nation Enterprise	Pacific Bell
1985	HUBBARD WILLIE B	Pacific Bell
1960	FORST BESSIE M	Pacific Telephone
1954	FORST W E R	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
	AForat W E	Pacific Directory Co.
1950	FORST W E R	Pacific Telephone
1947	Forst & Son radiator repr	Pacific Directory Co.
	Under Construction	Pacific Directory Co.

962 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

963 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

965 W COMPTON BLVD

Year	Uses	Source
1975	MEYERS GENE	Pacific Telephone
1971	Acme Answering Service	Pacific Telephone
1964	ACME ANSWERING SERV	Pacific Telephone
1960	KELSEYS TERMITE CONTROL CO	Pacific Telephone
1957	AGUAYO JOSE	Pacific Telephone
1951	AStanley J D	Pacific Directory Co.
1950	WORKMAN OSCAR MRS R	Pacific Telephone

975 W COMPTON BLVD

Year	Uses	Source
1995	Flowers & Much More	Pacific Bell
	Gonzalez Rosa	Pacific Bell
1980	GRAY TRUMAN	Pacific Telephone

979 W COMPTON BLVD

Year	Uses	Source
1985	J P SAMPLE SHOP	Pacific Bell
1980	J P SAMPLE SHOP	Pacific Telephone
1975	J P SAMPLE SHOP	Pacific Telephone

981 W COMPTON BLVD

Year	Uses	Source
1985	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Bell
	WEBB S PIANO SERVICE	Pacific Bell
1980	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Telephone
1976	Woolfolk Henderson K Ins Agcy	Pacific Telephone
	Henderson K Woolfolk Ins Agcy	Pacific Telephone
1975	HENDERSON K WOOLFOLK INS ASCY	Pacific Telephone
1964	S S S MEN S CLOTHING & CERAMICS	Pacific Telephone

W Compton Blvd

983 W Compton Blvd

Year	Uses	Source
2014	LORETOS FRIED TURKEY	EDR Digital Archive
2010	LORETOS FRIED TURKEY	EDR Digital Archive

FINDINGS

W COMPTON BLVD

983 W COMPTON BLVD

Year	Uses	Source
1985	SIMS CHOP SUEY NO 5	Pacific Bell
1975	CARL S CANDY STORE	Pacific Telephone

W Compton Blvd

985 W Compton Blvd

Year	Uses	Source
2010	V NEWS	EDR Digital Archive

W COMPTON BLVD

985 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1985	UNITED RUBBER WORKERS OF AMERICA LOCAL NO 451 AFLCIO	Pacific Bell
1964	WEBB S PIANO SHOP	Pacific Telephone
	WEBB OTBA L WEBB S PIANO SHOP	Pacific Telephone

987 W COMPTON BLVD

Year	Uses	Source
2001	BAILEYJulia	Haines & Company, Inc.
1995	Scott & Tolberts Barber Shop	Pacific Bell
1985	SCOTT & TOLBERT S BARBER SHOP	Pacific Bell

W Compton Blvd

989 W Compton Blvd

Year	Uses	Source
2010	HOUSE OF BEAUTY	EDR Digital Archive

W COMPTON BLVD

989 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1995	Wessie & Jeanette House Of Beauty	Pacific Bell

Year	Uses	Source
1985	WESSIE & JEANETTE HOUSE OF BEAUTY	Pacific Bell

995 W COMPTON BLVD

Year	Uses	Source
1985	QTS	Pacific Bell
1980	BARBARA ANN COMMUNITY MARKET	Pacific Telephone
1975	MCDANIEL MKT	Pacific Telephone
1964	MCDANIEL MKT	Pacific Telephone
1960	MCDANIEL MKT	Pacific Telephone

W Compton Blvd

1001 W Compton Blvd

Year	Uses	Source
2010	HOOPERS CARPETS	EDR Digital Archive
	COOPERS AUTO	EDR Digital Archive

W COMPTON BLVD

1001 W COMPTON BLVD

Year	Uses	Source
2001	3 DOBSONLIllie	Haines & Company, Inc.
1995	Hoopers Carpet	Pacific Bell
1985	HOOPER S CARPET	Pacific Bell
1980	HOOPERS CARPET	Pacific Telephone
1975	HOLIFIELD CARPET CO	Pacific Telephone
1954	WALTON S RICHFIELD SERV	R. L. Polk & Co.
1951	a Sinclair C B	Pacific Directory Co.
	Sinclair C B gas sta	Pacific Directory Co.
1947	Sinclair C B gas sta	Pacific Directory Co.

1009 W COMPTON BLVD

Year	Uses	Source
1995	Brack Berkley Billiards	Pacific Bell
	Nancys Nails	Pacific Bell

FINDINGS

W Compton Blvd

1011 W Compton Blvd

Year	Uses	Source
2010	NU 2 U THRIFT STORE	EDR Digital Archive

W COMPTON BLVD

1011 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	BLACKSHIRE JERRY TRUCKING GARDENA	Pacific Bell
1985	BLACKSHIRE JERRY TRUCKING	Pacific Bell
1957	JONES MARVIN A	Pacific Telephone
1954	HUGHES ROBT R	R. L. Polk & Co.
1951	Hughes RR	Pacific Directory Co.
1947	Rushlow H C	Pacific Directory Co.

W Compton Blvd

1015 W Compton Blvd

Year	Uses	Source
2010	NANCY NAILS	EDR Digital Archive

W COMPTON BLVD

1015 W COMPTON BLVD

Year	Uses	Source
1985	COMPTON CRUSADE OUTREACH	Pacific Bell
1980	COMPTON CRUSADE OUTREACH	Pacific Telephone

W Compton Blvd

1016 W Compton Blvd

Year	Uses	Source
2014	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive
2010	YOUNGKON CORP	EDR Digital Archive
	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1016 W COMPTON BLVD

Year	Uses	Source
2001	NATES LIQUOR	Haines & Company, Inc.
1995	Nates Liquor	Pacific Bell
1985	NATE S LIQUOR	Pacific Bell
1980	B & G LIQUOR	Pacific Telephone
1975	MEMO LIQUOR INC	Pacific Telephone
1964	MEMO LIQUOR INC	Pacific Telephone
1947	Copeland Ferne	Pacific Directory Co.

1018 W COMPTON BLVD

Year	Uses	Source
2001	MORALESReyes	Haines & Company, Inc.
1995	Fierros Carmen	Pacific Bell
1960	ANNIE RUTHS PHYSICAL THERAPY SERV	Pacific Telephone
1947	Mc Laughlin J T	Pacific Directory Co.

1020 W COMPTON BLVD

Year	Uses	Source
2001	DRTEGARodolo 00 I	Haines & Company, Inc.
1985	HOLIFIELD CLEVELAND SR	Pacific Bell
1980	MUHAMMAD SHADEED	Pacific Telephone
	HOLIFIELD CLEVELAND SR	Pacific Telephone
1971	Victorian Annie Ruth	Pacific Telephone
	Rhoten Annie Ruth Dr	Pacific Telephone
1960	WALLENDAL BERNICE H	Pacific Telephone
	HODGE LENA K	Pacific Telephone
	HODGE GULEY V	Pacific Telephone
1954	TORY TESTER W	R. L. Polk & Co.

W Compton Blvd

1021 W Compton Blvd

Year	Uses	Source
2010	J J PLACE	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1021 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	B S CLEANERS	Pacific Telephone
1975	B S CLEANERS	Pacific Telephone
1964	R & H MEAT	Pacific Telephone
1960	POLLARD S MKT	Pacific Telephone
1957	POLLARD S MKT	Pacific Telephone
1954	DERRY S MKT	R. L. Polk & Co.
1951	Derry V gro	Pacific Directory Co.
	a enoo Drrv Dale	Pacific Directory Co.
1950	DERRY S MKT	Pacific Telephone
1947	Derrys Market	Pacific Directory Co.
	a Derry Dale	Pacific Directory Co.

1022 W COMPTON BLVD

Year	Uses	Source
1995	Family Charitable & Educational Services	Pacific Bell
1985	EXOTIC INN MOTEL	Pacific Bell
1967	Science of Desired Living Institute Hdqtrs The	Pacific Telephone
1964	TEMPLE OF DESIRED LIVING THE	Pacific Telephone
1950	HALL JOLER	Pacific Telephone
1947	Hall J D	Pacific Directory Co.

1023 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Willie Perrys	Pacific Bell
1985	WILLIE PERRYS	Pacific Bell
1975	OTTO S SERVICE CENTER	Pacific Telephone
1964	CREWR MUFFLER SHOP	Pacific Telephone
1960	CREW R MUFFLER SHOP	Pacific Telephone
1957	CREW R FIX-IT SHOP	Pacific Telephone
1954	GENUNG JESSIE M	R. L. Polk & Co.
	TAYLOR HARRY L	R. L. Polk & Co.
1951	a Genunq Eula Mrs	Pacific Directory Co.
1947	Erlitz P F printer	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	a Genung Eula Mrs	Pacific Directory Co.

1025 W COMPTON BLVD

Year	Uses	Source
1964	SAMPSON BERNICE	Pacific Telephone
1960	COOPER VARREE	Pacific Telephone
1957	BALSTAD GERHARD	Pacific Telephone
1954	BALSTAD GERHARD R	R. L. Polk & Co.
1951	ABalstad Gerhard	Pacific Directory Co.
1950	BALSTAD GERHARD R	Pacific Telephone
1947	Savage Ralph	Pacific Directory Co.

1027 W COMPTON BLVD

Year	Uses	Source
1957	MARSHALL JESSIE M	Pacific Telephone
1954	WHITE SALLIE F	R. L. Polk & Co.
1951	Kummcrfeld Keith	Pacific Directory Co.
1947	Balstad Gerhard	Pacific Directory Co.

1028 W COMPTON BLVD

Year	Uses	Source
1990	RUSHING NORT S GARDENA	Pacific Bell
1986	RUSHING NORT S GARDENA	Pacific Bell
	WILLIAMS JIMMIE JR GARDENA	Pacific Bell
1985	APPLEWHITE R	Pacific Bell
	CHO WOO JAE	Pacific Bell
	HUNT MARTHA	Pacific Bell
	JACOBSON JEFF Y	Pacific Bell
	JUNG WOONG-KIL	Pacific Bell
	LESSER M B	Pacific Bell
	MA T	Pacific Bell
	MARTINEZ ROSA	Pacific Bell
	MC DEVITT K	Pacific Bell
	MOY SHUK K	Pacific Bell
	NIZAMI ARIF	Pacific Bell
	NUGENT MARK	Pacific Bell
	QUO VADIS APARTMENTS I	Pacific Bell
	RUSHING NORT S	Pacific Bell
	SANCHEZ MARIO	Pacific Bell

FINDINGS

Year	Uses	Source
1985	SULLINS HARVEY E	Pacific Bell
	THOMAS ELIZABETH	Pacific Bell
	WEBB WILLIE LEE	Pacific Bell
	WHEELER CORNELL	Pacific Bell
	WILLIAMS JIMMIE JR	Pacific Bell
	YESSAAD KARIM	Pacific Bell
	YOON KI SEUNG	Pacific Bell
1981	AREDAS DANL GARDENA	Pacific Telephone
	RUSHING NORT S GARDENA	Pacific Telephone
1980	BADOY NORMA S	Pacific Telephone
	DIAZ WM J	Pacific Telephone
	LESSER M B	Pacific Telephone
	MESA LARRY P	Pacific Telephone
	BADOY NORMA S	Pacific Telephone
	GORDON VIOLET	Pacific Telephone
	HAJNAL GEORGE	Pacific Telephone
	INGRAM DAVID	Pacific Telephone
	JONES KENNETH L	Pacific Telephone
	KELLY DONALD	Pacific Telephone
	KEOHO C M	Pacific Telephone
	KUBOTA D	Pacific Telephone
	LATHROP DAVID	Pacific Telephone
	LEE LINDA	Pacific Telephone
	LEE REUBEN	Pacific Telephone
1976	Jones Lisa J	Pacific Telephone
	Moore Katherine	Pacific Telephone
	Mosley Merion W	Pacific Telephone
	Humphries Roslyn	Pacific Telephone
	Johns Freddie Lee	Pacific Telephone
1975	BLOUNT ELIZABETH	Pacific Telephone
	CHISM SHELIA	Pacific Telephone
	DURAN MATIAS M	Pacific Telephone
	GRINLEY ROBT	Pacific Telephone
	HALLIDAY CHAS R	Pacific Telephone
	HARRIS HUBERT	Pacific Telephone
	HODGE ROBERT A	Pacific Telephone
	JOHNS FREDDIE LEE	Pacific Telephone
	MILES MARVIN	Pacific Telephone

Year	Uses	Source
1975	MOORE KATHRINE	Pacific Telephone
	MORINELLO JAS	Pacific Telephone
	MOSLEY MERION W	Pacific Telephone
	MULLIGAN MARK	Pacific Telephone

1029 W COMPTON BLVD

Year	Uses	Source
1967	Wilkey Leroy	Pacific Telephone
1964	HARRIS OLA	Pacific Telephone
	HARRIS WILLIE S	Pacific Telephone
	WILKEY LEROY	Pacific Telephone
1960	ROSS LOIS N	Pacific Telephone
1954	DITTENBER VIOLET R	R. L. Polk & Co.
1951	a ADittnber Geo	Pacific Directory Co.
	b Gonung M R	Pacific Directory Co.
	c Whitley Wm jr	Pacific Directory Co.
	d Mcllroy Otis	Pacific Directory Co.
	e Thompson J M	Pacific Directory Co.
1950	DITTENBER GEO H R	Pacific Telephone
1947	Genung M R	Pacific Directory Co.

1038 W COMPTON BLVD

Year	Uses	Source
2001	COMNT	Haines & Company, Inc.

1048 W COMPTON BLVD

Year	Uses	Source
1980	INTERNATIONAL BUDDHIST PROGRESS SOCIETY	Pacific Telephone
1970	SAINT THOMAS LUTHERAN CHURCH	Pacific Telephone
1960	MCCRACKEN LEVE	Pacific Telephone
1957	MCCRACKEN LEVE	Pacific Telephone
1954	MCCRACKEN LEVE	R. L. Polk & Co.
1950	MCCRACKEN LEVE R	Pacific Telephone

1100 W COMPTON BLVD

Year	Uses	Source
2001	HARTHOLIFIELEmrly	Haines & Company, Inc.
1981	ASBURY W W OIL SALES & SERVICE COMPTON	Pacific Telephone
1980	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1975	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1971	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

1108 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	JENNINGS FURNITURE	Pacific Bell
	MANUEL GOMEZ	Pacific Bell
1975	JAMES METAL POLISHING CO	Pacific Telephone

1116 W COMPTON BLVD

Year	Uses	Source
1964	KELLY JAS A	Pacific Telephone
1960	KELLY JAS A	Pacific Telephone
1957	KETLY JAS A	Pacific Telephone
1954	L(ELLY JAS A	R. L. Polk & Co.
1950	KELLY JAS A R	Pacific Telephone

W Compton Blvd

1118 W Compton Blvd

Year	Uses	Source
2014	VISTA COATINGS INC	EDR Digital Archive
2010	VISTA COATINGS INC	EDR Digital Archive

W COMPTON BLVD

1118 W COMPTON BLVD

Year	Uses	Source
2001	ACUNAMIchaal	Haines & Company, Inc.
1995	Vista Coatings Inc	Pacific Bell
1985	B & B COATING	Pacific Bell
1981	B & W PLATING CO INC COMPTON	Pacific Telephone
1980	B & W PLATING CO INC	Pacific Telephone
1975	B & W PLATING CO	Pacific Telephone
1971	B & W Plating Co	Pacific Telephone

FINDINGS

1120 W COMPTON BLVD

Year	Uses	Source
1980	LAMIS WM D	Pacific Telephone
1975	KAMEI AKEMI	Pacific Telephone
1964	LAMIS GRACE	Pacific Telephone
1960	GARRETT BESSIE H MRS	Pacific Telephone
	LINCOLN K M	Pacific Telephone
	REHM WM G	Pacific Telephone
	TOLAND THOS A	Pacific Telephone
1957	GANRTT BESSUE H MRS	Pacific Telephone
1954	GARRETT BESSIE H MRS	R. L. Polk & Co.
1950	GARRETT BESSLE H MRSF R	Pacific Telephone

1126 W COMPTON BLVD

Year	Uses	Source
1950	SOUTHERN CALIFORNIA WATER COMPANY GARDENA	Pacific Telephone

1130 W COMPTON BLVD

Year	Uses	Source
1986	MCMILLAN CLARECE GARDENA	Pacific Bell
1985	ARAI HIDEO	Pacific Bell
	BULL ANGELA C	Pacific Bell
	FOSTER CORNEL	Pacific Bell
	FUNAYAMA YUNY Y	Pacific Bell
	HO CHUNG	Pacific Bell
	KERSEY C	Pacific Bell
	KIKUCHI D	Pacific Bell
	KIYOTO FUMIHIRO	Pacific Bell
	MANNARI TSUTOMU	Pacific Bell
	MCMILLAN CLARECE	Pacific Bell
	OHIZUMI SATOSHI	Pacific Bell
	OSHIMO JERRY	Pacific Bell
	PARK HENRY	Pacific Bell
	PEGOUSKE E L	Pacific Bell
	RICE THOS J	Pacific Bell
	RODRIGUEZ GREGORIO N	Pacific Bell
	TAKARA JOHN	Pacific Bell
	TOKURA ISAO	Pacific Bell
1981	MCMILLAN CLARECE GARDENA	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	CONTRERAS RICARDO	Pacific Telephone
	FRANCO PEDRO	Pacific Telephone
	FUNAYAMA YUNY Y	Pacific Telephone
	HTWE MAUNG M	Pacific Telephone
	KOHARA KEIZO	Pacific Telephone
	LOPEZ CONSTANTINO M	Pacific Telephone
	MALDONADO JULIO	Pacific Telephone
	MCMILLAN CLARECE	Pacific Telephone
	ORTEGA EMELIA	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PESZESZER EVA	Pacific Telephone
1976	Mc Millan Clarece	Pacific Telephone
1975	BOGARD LOUIS	Pacific Telephone
	CHAN LUPLIN	Pacific Telephone
	DEFENDORF DE LOYCE P	Pacific Telephone
	DOMINGUEZ RICHARD L	Pacific Telephone
	EXLINE WM A	Pacific Telephone
	GORDON HARRY	Pacific Telephone
	GOSA QUENTELLA	Pacific Telephone
	GUERA HENRY	Pacific Telephone
	HEIN S L	Pacific Telephone
	HERNANDEZ OSCAR	Pacific Telephone
	KOBAYASHI NORIMITSU I	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	MATSUSHITA M	Pacific Telephone
	MCGRADY K	Pacific Telephone
	MCGREGOR BERRY	Pacific Telephone
	MCMILLAN CLARENCE	Pacific Telephone
	MILLER Y E	Pacific Telephone
	NAKAMOTO YUJI	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PAL SUNG JA LEE	Pacific Telephone
1970	BALISKI CHERYL	Pacific Telephone
	BEITMAN JEAN	Pacific Telephone
	COPENHAVER HAROLD A	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	GREGG ROBT	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	HAGIWARA MASAAKI	Pacific Telephone
	HARADA LAWRENCE S	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	ITO SHIGERU H	Pacific Telephone
	KAWASHIMA YASUMASA	Pacific Telephone
	KIEWEL ANTHONY R	Pacific Telephone
	KIMBLE RONALD W	Pacific Telephone
	KREGNESS JAS	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	LA LIBERTE MARY	Pacific Telephone
	LEWELLEN DON	Pacific Telephone
	LILAOOWALA RASHID	Pacific Telephone
	NAKAMURA K	Pacific Telephone
	NELSON MARVIN	Pacific Telephone
	HO CHUNG	Pacific Telephone
	HO CHUNG	Pacific Telephone
	NIEMANN MILTON H	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PIERSON ALBERT O	Pacific Telephone
	RADISICH THOMAS	Pacific Telephone
	SERRANO PETE	Pacific Telephone
1964	BAILEY FRANCES L	Pacific Telephone
	BRANSON RENEE	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	FARRIS REBECCA	Pacific Telephone
	GARRATT DONALD	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	LANG JUDY	Pacific Telephone
	MERHA FRANK	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PRATHER R LARRY	Pacific Telephone
	RILEY ROBT K	Pacific Telephone
	SCAFFIDI ROY T	Pacific Telephone
	TARCA EDW L	Pacific Telephone
1957	SINGER JAS N	Pacific Telephone
	SINGER JOHN A	Pacific Telephone
1954	SINGER JAS M	R. L. Polk & Co.

Year	Uses	Source
1950	SINGER JAS M R	Pacific Telephone

1133 W COMPTON BLVD

Year	Uses	Source
1975	MAURMAN MARGLE MRS	Pacific Telephone
1970	MAURMAN MARGIE MRS	Pacific Telephone
1964	MAURMAN MARGIE MRS	Pacific Telephone
1960	MAURMAN MARGIE MRS	Pacific Telephone
1957	MAURMAN MARGIE MRS	Pacific Telephone

1136 W COMPTON BLVD

Year	Uses	Source
1950	HAGER CHAS F R	Pacific Telephone

1139 W COMPTON BLVD

Year	Uses	Source
1985	TUAI ERIC J	Pacific Bell
1970	SMALLEY WM R	Pacific Telephone
1964	SMALLEY WM R	Pacific Telephone
1960	SMALLEY WM R	Pacific Telephone
1957	SMALLEY WINNETKA R	Pacific Telephone

1145 W COMPTON BLVD

Year	Uses	Source
1985	BOWLING BANKS D	Pacific Bell
1981	BOWLING BANKS D GARDENA	Pacific Telephone
1980	BOWLING BANKS D	Pacific Telephone
1976	Bowling Banks D	Pacific Telephone
1975	BOWLING BANKS D	Pacific Telephone
	BOWLING BRAD	Pacific Telephone
1971	Bowling Banks D	Pacific Telephone
1970	B-B RUBBISH DISPOSAL CO	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1967	Bowling Banks D	Pacific Telephone
1964	B B RUBBISH	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1962	Bowling Banks D	Pacific Telephone
1960	BOWLING BANKS D	Pacific Telephone
1958	Bowling Banks D	Pacific Telephone
1957	BOWLING BANKS D	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	PALMER CHET RLTR	R. L. Polk & Co.

1148 W COMPTON BLVD

Year	Uses	Source
1985	ALBEE J	Pacific Bell
	AUSMAN MABLE	Pacific Bell
	BLANCHARD ALICE	Pacific Bell
	JANES ARTHUR V	Pacific Bell
	MARTINEZ F P	Pacific Bell
	MOORE L	Pacific Bell
	RABE JOS J	Pacific Bell
	SAKATANI RICHARD	Pacific Bell
	SALOMAA SAM	Pacific Bell
	STANCLIFFE CALRICE	Pacific Bell
	TANIMOTO BERT & YUMIKO	Pacific Bell
1980	AUSMAN MABLE	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	KICZA JOHN E	Pacific Telephone
	MARSH PAUL & KATHERINE	Pacific Telephone
1976	Okamura Tom	Pacific Telephone
1975	MAGEL BEN	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	HOU GEO T	Pacific Telephone
	AUSMAN MABLE	Pacific Telephone
1971	Tani Tom T	Pacific Telephone
1970	CHODA PHILIP	Pacific Telephone
	FOREMAN DENNY R	Pacific Telephone
	GREEN WM E	Pacific Telephone
	HONDA PAUL	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	LEWIS CAROL	Pacific Telephone
	NIELAND CHAS R	Pacific Telephone
	OTA EDDIE M	Pacific Telephone
	RABRE JOS J	Pacific Telephone
	SILVIO JOS	Pacific Telephone
	TAYLOR B J	Pacific Telephone
1964	BOONE PETER	Pacific Telephone
	CLARK CAROL	Pacific Telephone
	DAVIS DONALD LEVI	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	DAVIS SHARON	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	MURPHY JULIA	Pacific Telephone
	WIRTHLIN CHERIE M	Pacific Telephone
1957	BARRETT W VERNON	Pacific Telephone
1954	BARRETT W VERNON	R. L. Polk & Co.
1950	BARRETT W VERNON R	Pacific Telephone

1152 W COMPTON BLVD

Year	Uses	Source
1985	HARTLEY ROBERT E	Pacific Bell
	KITAOKA BRIAN	Pacific Bell
	MIKAWA DAN V	Pacific Bell
	ODANAKA ERICK J	Pacific Bell
	PIZZOLONGO BARRY	Pacific Bell
	TEAFORD WATSON	Pacific Bell
	UM BYUNG C	Pacific Bell
	WILLOTT MILLICENT	Pacific Bell
1980	BROMLEY JACK I	Pacific Telephone
	HIGAR H W	Pacific Telephone
	KOJIMA GEORGE	Pacific Telephone
	PATTI R	Pacific Telephone
1975	BOUMAN C P	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	HAGA HIDEJI	Pacific Telephone
	HIGAR H W	Pacific Telephone
	LINDSEY L E	Pacific Telephone
1971	Schade Erna	Pacific Telephone
1970	BARBERA SALVATORE	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	GREEN ALFRED I	Pacific Telephone
	GREEN FRANCES	Pacific Telephone
	HENDERSON JIM	Pacific Telephone
	KAWAOKA YOSHI	Pacific Telephone
	KOELLER JOHN L	Pacific Telephone
	LINDSEY L E	Pacific Telephone
	POLAN MICHAEL	Pacific Telephone
	SAITO TAKEO	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	SATO K	Pacific Telephone
	SCHADE ERNA	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
1967	Schade Erna	Pacific Telephone
1964	BELL EDW I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	FLETCHER JOE W	Pacific Telephone
	KOPACK CHAS	Pacific Telephone
	MCKINNEY GILBERT V	Pacific Telephone
	RENSHAW WELDON L	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
	WHITCHER MASON B	Pacific Telephone
	WINN JAN	Pacific Telephone
	YOUNG BARBARA MRS	Pacific Telephone
	WINN TOM L	Pacific Telephone
	WOLLER G W	Pacific Telephone

1156 W COMPTON BLVD

Year	Uses	Source
1985	PACION EFREN F	Pacific Bell
1970	REDRO VECENTE	Pacific Telephone
1964	ORDWAY JAN	Pacific Telephone

1157 W COMPTON BLVD

Year	Uses	Source
1980	KOBAYASHI BOBBY K	Pacific Telephone
1975	NAGAI TAKEHIKO	Pacific Telephone
1970	EMI NORITAKA	Pacific Telephone
1964	LEITNER RONI J	Pacific Telephone
1962	Leitner Ronl J	Pacific Telephone
1960	LEITNER RONI J	Pacific Telephone
1958	Leitner Roni J	Pacific Telephone
1957	LEITNER RONIIJ	Pacific Telephone

1158 W COMPTON BLVD

Year	Uses	Source
1985	HOBY R G	Pacific Bell
1980	HOBY R G PLMBNG	Pacific Telephone
1975	HOBY R G PLMBNG	Pacific Telephone

Year	Uses	Source
1970	HOBY R G PLMBNG	Pacific Telephone
	HOBY R G	Pacific Telephone
	HOBY R G	Pacific Telephone
1964	HOBY R G PLMBNG	Pacific Telephone
1960	HOBY R G PLMBNG	Pacific Telephone
1957	HOBY RICHARD G	Pacific Telephone
1954	HOBY RICHARD G	R. L. Polk & Co.

1169 W COMPTON BLVD

Year	Uses	Source
1970	GORSHA STANLEY	Pacific Telephone
1964	FOWLER RAY	Pacific Telephone
1960	MCNABB ELLIOTT H	Pacific Telephone
1957	MCNABB EILIOTT H	Pacific Telephone

1218 W COMPTON BLVD

Year	Uses	Source
1985	SCHNEIDER DANIEL	Pacific Bell
1980	MAIN BOB	Pacific Telephone
1975	LYNSKEY JAS O	Pacific Telephone
1970	LYNSKEY JAS O	Pacific Telephone
1964	NIX MARIE L	Pacific Telephone
1960	NIX MARIE L	Pacific Telephone

1228 W COMPTON BLVD

Year	Uses	Source
1985	MONROE LESTER L	Pacific Bell
1970	MINAYA WILLAM	Pacific Telephone
1964	VAUGHAN W M	Pacific Telephone
1960	VAUGHAN W M	Pacific Telephone
1954	VAUGHAN W M	R. L. Polk & Co.

1234 W COMPTON BLVD

Year	Uses	Source
1985	IKE HELDE	Pacific Bell
1980	OKUMURA MITSUO	Pacific Telephone
	DANBARA LEE T	Pacific Telephone
	KAMIMURA KEITH	Pacific Telephone
1975	NGUYEN LUAN	Pacific Telephone
	GONZALES ENRIQUE	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	MOLINA BILLY R	Pacific Telephone
	MORILLO GWEN	Pacific Telephone

1238 W COMPTON BLVD

Year	Uses	Source
1980	PINE AMLULA F	Pacific Telephone
1976	Polk Robt S	Pacific Telephone
1975	POLK ROBT S	Pacific Telephone
1970	LAYTON EDW E	Pacific Telephone
1964	LAYTON EDW E	Pacific Telephone
1960	LAYTON EDW E	Pacific Telephone

1251 W COMPTON BLVD

Year	Uses	Source
1985	IWATA CLYDE	Pacific Bell
1970	QUIJADA ROBT D	Pacific Telephone

1257 W COMPTON BLVD

Year	Uses	Source
1976	Saito M H	Pacific Telephone
1971	Saito M H	Pacific Telephone
1970	SAITO M H	Pacific Telephone
1967	Saito M H	Pacific Telephone
1962	Saito M H	Pacific Telephone
1960	SAITO M H	Pacific Telephone
1957	SALTOL IN H	Pacific Telephone
1954	SAITO M H	R. L. Polk & Co.

1316 W COMPTON BLVD

Year	Uses	Source
1985	ROMERSHEUSER OTTO B	Pacific Bell
1970	ROMERSHEUSER OTTO B	Pacific Telephone
1964	BOWEN CECIL L	Pacific Telephone
1960	BOWEN CECIL L	Pacific Telephone
1954	BOWEN CECIL L	R. L. Polk & Co.

1328 W COMPTON BLVD

Year	Uses	Source
1985	MITCHELTREE WAYNE	Pacific Bell
1980	MITCHELTREE WAYNE	Pacific Telephone

Year	Uses	Source
1975	HAMASAKI MOTOE	Pacific Telephone
1970	HIGGINS ROBT O	Pacific Telephone
1964	HIGGINS ROBT O	Pacific Telephone
1960	HIGGINS ROBT O	Pacific Telephone
1957	HIGGINS ROBT O	Pacific Telephone
1954	DEASON CHAS BRYAN	R. L. Polk & Co.

1332 W COMPTON BLVD

Year	Uses	Source
1985	TAKAMORI HIDEYUKI	Pacific Bell
1970	TAKAMORI HIDEYUKI	Pacific Telephone
1964	TAKAMORI HIDEYUKI	Pacific Telephone
1958	Howard Evelyn	Pacific Telephone
1954	HOWARD CLINTON B	R. L. Polk & Co.

1339 W COMPTON BLVD

Year	Uses	Source
1985	CRUZ JOSE	Pacific Bell
1975	BRUEMMER IRMA	Pacific Telephone
	BRUEMMER DAVID	Pacific Telephone
1970	RUBI HOPE	Pacific Telephone
	RUBI JOE M	Pacific Telephone
1964	PEREGRIN JOS	Pacific Telephone
1957	CHRISTENSEN ANNA E	Pacific Telephone
1954	CHRISTENSEN ANNA E	R. L. Polk & Co.

1340 W COMPTON BLVD

Year	Uses	Source
1985	TAYLOR WAYNE A	Pacific Bell
1970	TAYLOR WAYNE A	Pacific Telephone
1964	TAYLOR WAYNE A	Pacific Telephone
1960	TAYLOR WAYNE A	Pacific Telephone
1957	TAYLOR WAYNE A	Pacific Telephone
1954	TAYLOR WAYNE A	R. L. Polk & Co.

1426 W COMPTON BLVD

Year	Uses	Source
1980	COBIAN MIGUEL U	Pacific Telephone
1975	SOUTHERN CALIFORNIA FIRST NATIONAL BANK	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Southern California Fence Co	Pacific Telephone
1970	SMYTHERS L G	Pacific Telephone
1964	SMYTHERS SAM	Pacific Telephone
1960	SMYTHERS SAM	Pacific Telephone
1957	SMYTHERS SAM	Pacific Telephone
1954	SMYTHERS SAM	R. L. Polk & Co.

1439 W COMPTON BLVD

Year	Uses	Source
1970	SEMON S STUDIO-CERAMICS	Pacific Telephone
1960	SEMONS STUDIO CERAMICS	Pacific Telephone
1957	SEMEN S STUDIO-CERAMICS	Pacific Telephone
1954	BOWLIN CHAS C	R. L. Polk & Co.

1447 W COMPTON BLVD

Year	Uses	Source
1985	TORRES JAVIER I	Pacific Bell
1980	HEMBREE EVELYN M	Pacific Telephone
1975	GARAY SALVADOR	Pacific Telephone
	CHAMKUNTHOD RENEE	Pacific Telephone
	AVILA ALICIA	Pacific Telephone
	AHN NEE JOE JR	Pacific Telephone
1970	PETERSEN JON	Pacific Telephone
	MUROKITA J N	Pacific Telephone
	LAVILLA REGINALD I	Pacific Telephone
	KURDIEH ISAAC M	Pacific Telephone
	DE NIO ANN	Pacific Telephone
	AHNEE JOE JR	Pacific Telephone
1964	YAMASAKI MICHIHARU	Pacific Telephone
	UWAHORI TED	Pacific Telephone
	UWAHORI SADAE	Pacific Telephone
	KALBERER LOLA	Pacific Telephone
	MACKEY MARVIN JR	Pacific Telephone
	KALBERER DON	Pacific Telephone
	FARNHAM MICHAEL	Pacific Telephone
	FARNHAM LINDA J	Pacific Telephone

FINDINGS

1451 W COMPTON BLVD

Year	Uses		Source
1985	SPENCER RALPH		Pacific Bell
	JONES C VAUGHN		Pacific Bell
	GOMEZ RICHARD		Pacific Bell
	MISHIMA MASARU		Pacific Bell
1980	MISHIMA MASARU		Pacific Telephone
	BAECHLER F N		Pacific Telephone
	JONES C VAUGHN		Pacific Telephone
	JACOBSON ISABELL M		Pacific Telephone
	GOMEZ RICHARD		Pacific Telephone
	BAECHLER F N		Pacific Telephone
1975	FRANKLIN FRANCES E		Pacific Telephone
1970	FRAZEUR LENORE A		Pacific Telephone
	FRANKLIN FRANCES E		Pacific Telephone
1964	FRAZEUR LENORE A		Pacific Telephone
1960	WHARTON DUANE F		Pacific Telephone
	RADWAY RUSSELL		Pacific Telephone
	LA BREE C A		Pacific Telephone
	GLABMAN DAVE		Pacific Telephone
	EDWARDS OREN G		Pacific Telephone
	EDWARDS BETTY		Pacific Telephone
1958	Ashbeck Sevact A		Pacific Telephone

851A W COMPTON BLVD

Year	Uses		Source
1990	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1986	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1985	JOYCE MAUREEN C ATTY		Pacific Bell
1981	JOYCE MAUREEN C ATTY	COMPTON	Pacific Telephone
1980	JOYCE MAUREEN C ATTY		Pacific Telephone
1975	CARTER PHILIP M ATTY		Pacific Telephone
	COMPTON LAW SCHOOL		Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION		Pacific Telephone

905A W COMPTON BLVD

Year	Uses	Source
1990	CALLOWAY MONUMENT CO COMPTON	Pacific Bell

FINDINGS

Year	Uses	Source
1986	CALLOWAY MONUMENT CO COMPTON	Pacific Bell
1985	CALLOWAY HARRY	Pacific Bell
	CALLOWAY MONUMENT CO	Pacific Bell
1981	CALLOWAY HARRY COMPTON	Pacific Telephone
	CALLOWAY MONUMENT CO COMPTON	Pacific Telephone
1980	CALLOWAY HARRY	Pacific Telephone
	CALLOWAY MONUMENT CO	Pacific Telephone
1975	J & L SILK SCREEN	Pacific Telephone
1964	NOMIAS BEAUTY SALON	Pacific Telephone
1960	NOMIA S BEAUTY SALON	Pacific Telephone

1020A W COMPTON BLVD

Year	Uses	Source
1957	SIMPSON CARL A RL EST	Pacific Telephone

1021A W COMPTON BLVD

Year	Uses	Source
1950	DERRY DALER	Pacific Telephone

1029B W COMPTON BLVD

Year	Uses	Source
1960	DEWBERRY MARTHA E	Pacific Telephone
1957	EDDINGTON TED L	Pacific Telephone
1950	GENUNG JESSIE M R	Pacific Telephone

14181/2 W COMPTON BLVD

Year	Uses	Source
1957	VALLES EDW R	Pacific Telephone

14281/2 W COMPTON BLVD

Year	Uses	Source
1957	SHEAN WM	Pacific Telephone

1418 1/2 W COMPTON BLVD

Year	Uses	Source
1985	TERUKO IMAMOTO	Pacific Bell
1970	RAGON RONALD C	Pacific Telephone
1960	SHEAN WM	Pacific Telephone

FINDINGS

1438 1/2 W COMPTON BLVD

Year	Uses	Source
1985	MORENO RAFAEL	Pacific Bell
1970	PANDO MARTIN	Pacific Telephone

1448 1/4 W COMPTON BLVD

Year	Uses	Source
1970	GLEASON CATHERINE	Pacific Telephone
1954	DONALDSON GUY B	R. L. Polk & Co.

W MAGNOLIA

815 W MAGNOLIA

Year	Uses	Source
1986	JANUARY JAS COMPTON	Pacific Bell
1981	JANUARY JAS COMPTON	Pacific Telephone

821 W MAGNOLIA

Year	Uses	Source
1981	HAYES JAS COMPTON	Pacific Telephone
	HAYES JAS P COMPTON	Pacific Telephone

822 W MAGNOLIA

Year	Uses	Source
1990	PIERCE ROBT COMPTON	Pacific Bell

824 W MAGNOLIA

Year	Uses	Source
1990	PHILLIPS DEBORAH D COMPTON	Pacific Bell
1981	PHILLIPS DEBORAH D COMPTON	Pacific Telephone

921 W MAGNOLIA

Year	Uses	Source
1981	PITTS ANDREW COMPTON	Pacific Telephone

931 W MAGNOLIA

Year	Uses	Source
1981	CURL DENA E COMPTON	Pacific Telephone

1023 W MAGNOLIA

Year	Uses	Source
1990	RATCLIFF HOMER L COMPTON	Pacific Bell

Year	Uses	Source
1986	RATCLIFF HOMER L COMPTON	Pacific Bell
1981	RATCLIFF HOMER L COMPTON	Pacific Telephone

W MAGNOLIA ST

810 W MAGNOLIA ST

Year	Uses	Source
2001	CONWAYVarteta	Haines & Company, Inc.
1964	DAVIS MARY ELIZABETH	Pacific Telephone
1960	DAVIS MARY ELIZABETH	Pacific Telephone
1957	DAVIS MARY ELIZABETH	Pacific Telephone
1951	AKcnt M AMrb	Pacific Directory Co.
1950	KENT MAE A R	Pacific Telephone
1947	Kent M A Mrs	Pacific Directory Co.
1940	Kent G P	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

812 W MAGNOLIA ST

Year	Uses	Source
1964	CRUZ DELLA	Pacific Telephone
1960	CRUZ DELLA	Pacific Telephone
1940	Henderson Le Roy	Los Angeles Directory Co.
1931	Kesling Ernest	Los Angeles Directory Co.

814 W MAGNOLIA ST

Year	Uses	Source
1928	Morton J G	Los Angeles Directory Co.

815 W MAGNOLIA ST

Year	Uses	Source
2001	JANUARYJames	Haines & Company, Inc.
1985	JANUARY JAS	Pacific Bell
1980	JANUARY JAS	Pacific Telephone
1976	January Jas	Pacific Telephone
1975	JANUARY JAS	Pacific Telephone
1960	CUMMINS M K MISS	Pacific Telephone
1957	CUMMILNS M K MISS	Pacific Telephone
1954	CUMMINS M K MISS	R. L. Polk & Co.
1951	LPranz Theo R3	Pacific Directory Co.
1950	PRANZ THEO R	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Henry R C	Pacific Directory Co.

816 W MAGNOLIA ST

Year	Uses	Source
2001	GUTIERREZLUi	Haines & Company, Inc.
1985	WALTER ESSIE	Pacific Bell
1951	APries Fred R3	Pacific Directory Co.
1950	ORELLA WM J R	Pacific Telephone

821 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	HAYES JAMNES P	Pacific Telephone
1960	GRACE JOEL	Pacific Telephone

822 W MAGNOLIA ST

Year	Uses	Source
1985	PIERCE ROBT	Pacific Bell
1980	PIERCE ROBT	Pacific Telephone
1976	Pierce Robt	Pacific Telephone
1975	PIERCE ROBT	Pacific Telephone
1964	WAYFER GARNETT	Pacific Telephone
1960	WAFER ROBT	Pacific Telephone
1957	FICARA R5PUB ACCT	Pacific Telephone
	FICARA R S	Pacific Telephone
1954	FICARA R S PUB ACCT	R. L. Polk & Co.
	FICARA BILLIE MIMEOGRAPHING SERV	R. L. Polk & Co.
1951	ASturqcll H C S	Pacific Directory Co.
1950	STURGEIL HOUSTON C R	Pacific Telephone
1947	Sturgell H C	Pacific Directory Co.
1940	Crowder M J Mrs	Los Angeles Directory Co.
	Crowder G I	Los Angeles Directory Co.
1931	Yeoman	Los Angeles Directory Co.
1928	Smith C M	Los Angeles Directory Co.

823 W MAGNOLIA ST

Year	Uses	Source
2001	61 R An Ihony	Haines & Company, Inc.
1985	TURNER ALVIN	Pacific Bell

Year	Uses	Source
1980	DAWSON MARISA	Pacific Telephone
1960	YOUNGBLOOD CAPERS	Pacific Telephone
1957	YOUNGHLOOD CAPERS	Pacific Telephone

824 W MAGNOLIA ST

Year	Uses	Source
2001	PHILLIPSDeborahr	Haines & Company, Inc.
1985	PHILLIPS DEBORAH D	Pacific Bell
1980	PHILLIPS DEBORAH D	Pacific Telephone
1976	Phillips Deborah D	Pacific Telephone
1954	CAUGHTHRAN THEE D R	R. L. Polk & Co.
1951	ACaughthran T D	Pacific Directory Co.
1950	CAUGHTHRANTHEO D R	Pacific Telephone

825 W MAGNOLIA ST

Year	Uses	Source
2001	OUINTE 90 SWaslter	Haines & Company, Inc.
1960	RICHARDSON LYLE R	Pacific Telephone
1957	RICHARDSON LYLE	Pacific Telephone

826 W MAGNOLIA ST

Year	Uses	Source
1947	Under Construction	Pacific Directory Co.

827 W MAGNOLIA ST

Year	Uses	Source
2001	MALONESandra	Haines & Company, Inc.
1967	Setzer Jos	Pacific Telephone
1964	SETZER JOS	Pacific Telephone
1960	YORK ERVIN F	Pacific Telephone
1957	YORK ERVIN F	Pacific Telephone
1954	YORK ERVIN F MRS R	R. L. Polk & Co.
1951	AYork E F R3	Pacific Directory Co.
1950	YORK ERVIN F MRS R	Pacific Telephone

830 W MAGNOLIA ST

Year	Uses	Source
2001	SPUUDOMayra	Haines & Company, Inc.
1980	LATHON DARLENE	Pacific Telephone
	LATHON DARRYLL J	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	Chatmon Marie J	Pacific Telephone
1975	CHATMON MARIE J	Pacific Telephone
1960	FOWLIE MARIE	Pacific Telephone
1954	FOWLIE WM H	R. L. Polk & Co.
1951	Fowlie W H R3	Pacific Directory Co.
1947	Fowlie W H	Pacific Directory Co.

833 W MAGNOLIA ST

Year	Uses	Source
2001	CARRASCOTi Ifany	Haines & Company, Inc.
1985	MARTIN TOMMY PLUMBING CO	Pacific Bell
1980	MARTIN TOMMY PLUMBING CO	Pacific Telephone
1960	CAMERON JOHN G	Pacific Telephone
1957	CAMERON JOHN G	Pacific Telephone
1954	CAMERON JOHN G	R. L. Polk & Co.
1951	AJennison C R	Pacific Directory Co.

834 W MAGNOLIA ST

Year	Uses	Source
2001	JACKSONLrida	Haines & Company, Inc.
1957	SLIER EARL H	Pacific Telephone
1954	SLIER EARL H R	R. L. Polk & Co.
1951	ASiler E H	Pacific Directory Co.
1947	Siler E H	Pacific Directory Co.
1940	Angel J 3 R	Los Angeles Directory Co.
1931	Angel J R	Los Angeles Directory Co.

835 W MAGNOLIA ST

Year	Uses	Source
1960	ZARAGOZA TRINIDAD	Pacific Telephone
1957	GOMES MIKE	Pacific Telephone
1951	a Lambrer M M Mrs	Pacific Directory Co.
	Provenqhi Enrica Mrs	Pacific Directory Co.
1950	EVANS A R R	Pacific Telephone
1947	Evans A R	Pacific Directory Co.
1940	Tanner Chas jr	Los Angeles Directory Co.
1931	Eisiminger R L	Los Angeles Directory Co.
1928	Eisiminger R L	Los Angeles Directory Co.

FINDINGS

836 W MAGNOLIA ST

Year	Uses	Source
2001	ARALJOJosa	Haines & Company, Inc.
1964	ANDERSON ORA	Pacific Telephone
1960	ANDERSON ORA	Pacific Telephone
1957	COTTRELL ETHRAGE	Pacific Telephone
1954	EDWARDS FRANK	R. L. Polk & Co.
1951	AVandonbrook F A	Pacific Directory Co.
1950	VANDENBROOK FRED R	Pacific Telephone
1947	Vandenbrook F	Pacific Directory Co.
1940	Ho well C H	Los Angeles Directory Co.
1928	Angel J R	Los Angeles Directory Co.

840 W MAGNOLIA ST

Year	Uses	Source
1985	PRESCOTT BERNICE	Pacific Bell
1954	MVAYHALL J O	R. L. Polk & Co.
1951	AMayhall J	Pacific Directory Co.
1950	MYAILH J O R	Pacific Telephone

843 W MAGNOLIA ST

Year	Uses	Source
2001	VALLERYMaco	Haines & Company, Inc.
1980	LEE SHIRLEY	Pacific Telephone
1964	VALLERY MARCO G JR	Pacific Telephone
1960	VALLERY MARCO G JR	Pacific Telephone
1957	VALLERY MARCO0JR	Pacific Telephone
1954	L(EGLEY JAS J R	R. L. Polk & Co.
1951	AKeqley J J Ci	Pacific Directory Co.
1950	KEGLEY JASJ R	Pacific Telephone

845 W MAGNOLIA ST

Year	Uses	Source
2001	WALKER Edward	Haines & Company, Inc.
1985	TROTTER DAVID E	Pacific Bell
1980	JONES LILLIAN B	Pacific Telephone
1964	JONES LILLIAN B	Pacific Telephone
1960	JONES LILLIAN BERTAVIA	Pacific Telephone
	JONES FLORENCE LORRAINE	Pacific Telephone
1957	IJELLEY LAMAR M REV	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	KELLEY L LIV REV	R. L. Polk & Co.
1951	AWiso E A	Pacific Directory Co.
1950	WISE E A R	Pacific Telephone

846 W MAGNOLIA ST

Year	Uses	Source
2001	FOSTER Davd	Haines & Company, Inc.
1985	MCCLAIN ETTA	Pacific Bell
	MCCLAIN GEAO R	Pacific Bell
1980	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1975	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1964	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1957	LEERING CHAS M	Pacific Telephone
1954	JENKINS WM	R. L. Polk & Co.
1951	Jcnkins Wm	Pacific Directory Co.
	a Meyman John	Pacific Directory Co.
1947	Gibson F W	Pacific Directory Co.

901 W MAGNOLIA ST

Year	Uses	Source
1985	MAY L J	Pacific Bell
1975	MAY L J	Pacific Telephone
1964	MAY ELIZABETH	Pacific Telephone
	MAY L J REV	Pacific Telephone
1951	ASchrocdor H Mrs	Pacific Directory Co.
1950	SCHROEDER HELENA R	Pacific Telephone
1947	Schroeder Helena	Pacific Directory Co.
1940	Mc Knight Louise	Los Angeles Directory Co.
1931	Kerley Jos	Los Angeles Directory Co.

902 W MAGNOLIA ST

Year	Uses	Source
1995	Cleveland Helen J	Pacific Bell
1960	FRISCO ERVIN	Pacific Telephone
1954	HALL MAMIE	R. L. Polk & Co.
1951	Alrocor Louis	Pacific Directory Co.

Year	Uses	Source
1947	Milinkovich D T	Pacific Directory Co.
1940	Cantway Julia L	Los Angeles Directory Co.
1931	Coates Sog	Los Angeles Directory Co.
1928	Coucth J P	Los Angeles Directory Co.

905 W MAGNOLIA ST

Year	Uses	Source
2001	CRISTE Mooses	Haines & Company, Inc.
1995	Cristen Moises	Pacific Bell
1985	HENDERSON ENEZ	Pacific Bell
1980	HENDERSON ENEZ	Pacific Telephone
1975	HENDERSON ENEZ	Pacific Telephone
1960	SALAZAR JOE M	Pacific Telephone
1957	GANZALES ALEX V	Pacific Telephone
1951	Brown E MrsR	Pacific Directory Co.
1947	Brown C E Mrs	Pacific Directory Co.
1940	Vought B L	Los Angeles Directory Co.
1931	Mc Cowan L S	Los Angeles Directory Co.
1928	Force Ray	Los Angeles Directory Co.

W Magnolia St

906 W Magnolia St

Year	Uses	Source
2010	LAND MARK ELECTRIC	EDR Digital Archive

W MAGNOLIA ST

906 W MAGNOLIA ST

Year	Uses	Source
2001	MASON Soncene	Haines & Company, Inc.
1995	Parker Doris A	Pacific Bell
	Parker Doris A	Pacific Bell
1975	MCCARTY ALBERT	Pacific Telephone
1964	CARTER JOHN	Pacific Telephone
1960	CLARK ALVINUS	Pacific Telephone
1957	KROSNICKI HENRY	Pacific Telephone
1954	KROSNICKI HENRY	R. L. Polk & Co.
1951	AMelnick J M R3	Pacific Directory Co.
1950	MELNICKJOS MR	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Melnick J M	Pacific Directory Co.
1940	Flanders W A	Los Angeles Directory Co.
1931	Clark E M	Los Angeles Directory Co.

909 W MAGNOLIA ST

Year	Uses	Source
1964	BLANCO GEO	Pacific Telephone
1957	SALAZAR JOE N	Pacific Telephone
1954	FARRAN T J	R. L. Polk & Co.
1951	Egan Rob I	Pacific Directory Co.
	1/2 Vacant	Pacific Directory Co.
	1/2 Hall F C	Pacific Directory Co.
1947	Anderson Agnes	Pacific Directory Co.
	1/2 Dutton W R	Pacific Directory Co.
	Transient	Pacific Directory Co.
1940	Bovee Burdette	Los Angeles Directory Co.
	1/2 Anderson Agnes Mrs	Los Angeles Directory Co.
1931	Bovee Wm	Los Angeles Directory Co.
1928	3ovee Win	Los Angeles Directory Co.

910 W MAGNOLIA ST

Year	Uses	Source
2001	MARTINONLUz	Haines & Company, Inc.
1995	Flores Roman Juan	Pacific Bell
1954	FRIESEN C H	R. L. Polk & Co.
1951	AMc Clellan P D	Pacific Directory Co.
1950	MCCLELLAN P DR	Pacific Telephone
1947	Mc Clellan P D	Pacific Directory Co.
1940	Eckles T G	Los Angeles Directory Co.
1931	Pyle Ford	Los Angeles Directory Co.

913 W MAGNOLIA ST

Year	Uses	Source
2001	ACOSTAGodofledo	Haines & Company, Inc.
1980	BELL ALLEN	Pacific Telephone
1976	Bell Allen	Pacific Telephone
1975	BELL ALLEN	Pacific Telephone
1964	MCKINNEY RUTH	Pacific Telephone
1960	RAY GROVER C MRS	Pacific Telephone

Year	Uses	Source
1957	RAY GROVER C MRS	Pacific Telephone
1954	RAY GROVER C R	R. L. Polk & Co.
1951	ARay G C	Pacific Directory Co.
1947	Milinkovich D E	Pacific Directory Co.
1940	Bovee L M Mrs	Los Angeles Directory Co.
1931	Bovee L M Mrs	Los Angeles Directory Co.
1928	Maxwell J W	Los Angeles Directory Co.

914 W MAGNOLIA ST

Year	Uses	Source
2001	OIOARRACCarrn	Haines & Company, Inc.
1954	MORFORD RAY	R. L. Polk & Co.
1951	APhilpot E D	Pacific Directory Co.
1947	Ketcham L L	Pacific Directory Co.
1940	Ketcham L L	Los Angeles Directory Co.
1931	Allen Chas	Los Angeles Directory Co.

W Magnolia St

915 W Magnolia St

Year	Uses	Source
2010	INLAND BOATMAN	EDR Digital Archive

W MAGNOLIA ST

915 W MAGNOLIA ST

Year	Uses	Source
2001	SEUTTERFIELOMyron	Haines & Company, Inc.
1964	BROWN CURTIS	Pacific Telephone
1960	BROWN LOIS	Pacific Telephone
	BROWN CURTIS	Pacific Telephone
1957	ZEPEDA JESUS	Pacific Telephone
1954	ZEPEDA JESUS	R. L. Polk & Co.
1951	ATallcy C C S	Pacific Directory Co.
1950	TALLEY SIGN SENT	Pacific Telephone
1947	Maloy E G	Pacific Directory Co.

918 W MAGNOLIA ST

Year	Uses	Source
1995	Sood Sam Ashok	Pacific Bell

FINDINGS

Year	Uses	Source
1975	HENDERSON RALPH	Pacific Telephone
1954	BURGESS BERTHA	R. L. Polk & Co.

919 W MAGNOLIA ST

Year	Uses	Source
1962	AEROTOOL ENGINEERING CO	Pacific Telephone
1960	AEROTOOL ENGINEERING CO	Pacific Telephone

920 W MAGNOLIA ST

Year	Uses	Source
2001	STEPHENSDorothy	Haines & Company, Inc.
1995	Stewart Frances J	Pacific Bell
1985	STEWART FRANCES J	Pacific Bell
1980	FINE FRANCES J	Pacific Telephone
1975	FINE FRANCES J	Pacific Telephone
1964	FINE MARVEL L	Pacific Telephone
1960	FINE MARVEL L	Pacific Telephone
1957	FINE MARVEL L	Pacific Telephone
1954	FINE MARVEL L	R. L. Polk & Co.
1951	APontrolli J S	Pacific Directory Co.
1950	PONTRELLI JOE	Pacific Telephone

W Magnolia St

921 W Magnolia St

Year	Uses	Source
2010	ROBINSON INCOME TAX SERVICE	EDR Digital Archive

W MAGNOLIA ST

921 W MAGNOLIA ST

Year	Uses	Source
2001	P 11 TSE 1a	Haines & Company, Inc.
1985	PITTS NETTIE M	Pacific Bell
1980	PITTS ANDREW	Pacific Telephone
1975	PITTS ANDREW	Pacific Telephone
1960	MYATT GLEAN	Pacific Telephone
1951	Cobb Irene Mrs	Pacific Directory Co.
1947	Young W V	Pacific Directory Co.
1940	Kolstad H D	Los Angeles Directory Co.

Year	Uses	Source
1931	Kolstad H B	Los Angeles Directory Co.

924 W MAGNOLIA ST

Year	Uses	Source
2001	NIETOAntono	Haines & Company, Inc.
1960	POWELL JOE N	Pacific Telephone
1957	CONLEY NANCY E	Pacific Telephone
1954	FESLER HARRY D R	R. L. Polk & Co.
1951	AFeslor H D R3	Pacific Directory Co.

W Magnolia St

925 W Magnolia St

Year	Uses	Source
2014	ISAKE LOCKETT HOLLOWAY RN	EDR Digital Archive

W MAGNOLIA ST

925 W MAGNOLIA ST

Year	Uses	Source
2001	FRITZ Howard	Haines & Company, Inc.
1995	Fritz Howard	Pacific Bell
1985	FRITZ HOWARD	Pacific Bell
1980	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1975	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1960	FRITZ HOWARD	Pacific Telephone
1957	FRITZ HOWARD	Pacific Telephone
1954	FRITZ HOWARD	R. L. Polk & Co.
1951	ADouqhcrty John R3	Pacific Directory Co.
1950	DOUGHERTY JOHN D R	Pacific Telephone

927 W MAGNOLIA ST

Year	Uses	Source
1995	Ordonez Castilio Isaac	Pacific Bell
1951	AFicara R S a	Pacific Directory Co.

FINDINGS

W Magnolia St

930 W Magnolia St

Year	Uses	Source
2014	MARISCAL LOGISTICS	EDR Digital Archive
2010	MARISCAL LOGISTICS	EDR Digital Archive

W MAGNOLIA ST

930 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZRosano	Haines & Company, Inc.
1964	SALDANA P M	Pacific Telephone
1960	SALDANA P N	Pacific Telephone
1957	SALDANA PM	Pacific Telephone
1954	ABSHER THOS C R	R. L. Polk & Co.
1951	AAbsher T C	Pacific Directory Co.
1950	ABSHER THOS C R	Pacific Telephone
1947	Absher T C	Pacific Directory Co.
1940	Absher T C	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.
1928	Kingsbury H L	Los Angeles Directory Co.

W Magnolia St

931 W Magnolia St

Year	Uses	Source
2010	JALISCO AUTO GLASS	EDR Digital Archive

W MAGNOLIA ST

931 W MAGNOLIA ST

Year	Uses	Source
1980	CURL DENA E	Pacific Telephone
1976	Hamd L W Jr	Pacific Telephone
1964	WILSON DOROTHY H	Pacific Telephone
1957	G CHAS M	Pacific Telephone
1954	KING CHAS M	R. L. Polk & Co.
1951	Mercill E C	Pacific Directory Co.

FINDINGS

934 W MAGNOLIA ST

Year	Uses	Source
1957	FORD ZELIA B	Pacific Telephone
1951	APowcrs R B R3	Pacific Directory Co.
1950	POWERS WILLARD L R	Pacific Telephone
1947	Powers R B	Pacific Directory Co.
1940	Powers R B	Los Angeles Directory Co.
1931	Benoit Chas	Los Angeles Directory Co.
1928	Benoit C C	Los Angeles Directory Co.

935 W MAGNOLIA ST

Year	Uses	Source
2001	C 00 ZINEAlbet	Haines & Company, Inc.
1985	CORZINE ALBERT J	Pacific Bell
1980	CORZINE ABOERT J	Pacific Telephone
1975	CORZINE ALBERT J	Pacific Telephone
1964	CORZINE ALBERT J	Pacific Telephone
1960	HEATLEY MARY G	Pacific Telephone
1954	COLLETTE JOHN P	R. L. Polk & Co.
	HEATLEY MARY C R	R. L. Polk & Co.
1951	AColelte G A	Pacific Directory Co.
1950	COLLETTE RUTH E R	Pacific Telephone
1947	Collette G A	Pacific Directory Co.
1940	Hamilton M T	Los Angeles Directory Co.
1931	Wilson J A	Los Angeles Directory Co.

936 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZNaocy	Haines & Company, Inc.
1964	HARRIS CHAS	Pacific Telephone
1960	LAMB FRED W MRS	Pacific Telephone
	FRED W MRS	Pacific Telephone
1957	FRED W MRS	Pacific Telephone
1954	LAMB FRED W R	R. L. Polk & Co.
1951	ALamb F W R3	Pacific Directory Co.
1950	LAMB FRED W R	Pacific Telephone
1947	Bennett Frank	Pacific Directory Co.
1940	Leahy E G	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

937 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	COLLETTE RUTH E MRS	Pacific Telephone
1957	COLLETTE RUTH E MRS	Pacific Telephone
	COLLETTE GEO M	Pacific Telephone
1951	Collette F J	Pacific Directory Co.

940 W MAGNOLIA ST

Year	Uses	Source
2001	VAUGHNBemio	Haines & Company, Inc.
1964	HINES CLINTON	Pacific Telephone
1957	EADE RONALD	Pacific Telephone
1954	ABSHER GEO R	R. L. Polk & Co.
1951	AAbsher Geo	Pacific Directory Co.
1947	Edwards R H	Pacific Directory Co.
1940	Edwards Roy	Los Angeles Directory Co.
1931	Cameron Gordon	Los Angeles Directory Co.

941 W MAGNOLIA ST

Year	Uses	Source
2001	PATTERSO Ca lton	Haines & Company, Inc.
1964	JACKSON MILTON	Pacific Telephone
1960	JACKSON MILTON	Pacific Telephone
1958	Jackson Milton	Pacific Telephone
1957	JACKSON MILTON	Pacific Telephone
1954	PUBLISKY F O	R. L. Polk & Co.
1951	APublisky F R3	Pacific Directory Co.
1950	PUBIISKY F OR	Pacific Telephone

942 W MAGNOLIA ST

Year	Uses	Source
2001	YOUNG DIr	Haines & Company, Inc.
1995	Scott Kirk P	Pacific Bell
1985	SCOTT KIRK P	Pacific Bell
1960	SCOTT KIRK P	Pacific Telephone
1957	SCOTT KILIRK P	Pacific Telephone
1954	PRAZANT ADAM H	R. L. Polk & Co.
1951	APrazant A H R3	Pacific Directory Co.
1947	Prazant A H	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1940	Myers Matthew	Los Angeles Directory Co.
1931	Goody J S	Los Angeles Directory Co.

943 W MAGNOLIA ST

Year	Uses	Source
1947	Publisky F	Pacific Directory Co.

947 W MAGNOLIA ST

Year	Uses	Source
2001	HOLTJerna	Haines & Company, Inc.
1985	HOLT JENNIE WREN	Pacific Bell
1980	HOLT JENNIE WREN	Pacific Telephone
1975	HOLT LEROY	Pacific Telephone
1964	HOLT JEANNIE WREN	Pacific Telephone
	HOLT LEROY	Pacific Telephone
1957	HILIMAN LYDIA C	Pacific Telephone
1954	ANDERSON AGNES	R. L. Polk & Co.
1951	AKruso E J R3	Pacific Directory Co.
1950	KRUSE ERNEST J R	Pacific Telephone
1947	Kruse E J	Pacific Directory Co.
1940	Farley J W	Los Angeles Directory Co.
1931	Pfeifer B N	Los Angeles Directory Co.

948 W MAGNOLIA ST

Year	Uses	Source
2001	OPATERudolph	Haines & Company, Inc.
1985	PATE RUDOLPH DAVIS	Pacific Bell
1980	PATE RUDOLPH DAVIS	Pacific Telephone
1975	PATE RUDOLPH DAVIS	Pacific Telephone
1964	PATE RUDOLPH DAVIS	Pacific Telephone
1960	WILLIS ALBERT S	Pacific Telephone
1958	Willis Albert S	Pacific Telephone
1957	VWILLIS ALBERT S	Pacific Telephone
1954	WILLIS ALBERT S	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Turner W D	Pacific Directory Co.
1940	Turner W D	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

1000 W MAGNOLIA ST

Year	Uses	Source
1980	CANNICK BLANCHE	Pacific Telephone
1976	Cannick Yvonne	Pacific Telephone
1975	CANNICK YVONNE	Pacific Telephone
1964	ELMORE D D	Pacific Telephone
1954	SINCLAIR CHAS	R. L. Polk & Co.
1951	Sinclair Chas S	Pacific Directory Co.

1001 W MAGNOLIA ST

Year	Uses	Source
1976	Harris Willie L Jr	Pacific Telephone
	Harris Crissie B	Pacific Telephone
1975	HARRIS CRISSIE B	Pacific Telephone
1960	FORSYTHE F B	Pacific Telephone
1957	FORSYTHE F B	Pacific Telephone
1954	ANDERSON HAROLD J	R. L. Polk & Co.
1951	ACarriker V G	Pacific Directory Co.
1950	CARRIKER VERNON GR	Pacific Telephone

1004 W MAGNOLIA ST

Year	Uses	Source
2001	FLORESMarc 6lio R	Haines & Company, Inc.
1991	Bean &Assoc	Pacific Bell
1957	BANULOS LUPE	Pacific Telephone

1005 W MAGNOLIA ST

Year	Uses	Source
2001	LAWSONClarce	Haines & Company, Inc.
1964	RIDDICK JAS	Pacific Telephone
	RIDDICK VELMA	Pacific Telephone
1960	RIDDICK VELMA	Pacific Telephone
1957	GRANT AUBREY L	Pacific Telephone
1954	MCTIGHE FRANCES MARY	R. L. Polk & Co.
	MCTIGHE THOS F	R. L. Polk & Co.
1951	AMc Tighe T J	Pacific Directory Co.

1006 W MAGNOLIA ST

Year	Uses	Source
2001	OARCIAAdolo	Haines & Company, Inc.
1995	Veterans Of Foreign Wars Ship 8310	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Orozco Alfonso	Pacific Bell
1985	BURTON JULIA M	Pacific Bell
1957	CRINER RAYMOND	Pacific Telephone

1008 W MAGNOLIA ST

Year	Uses	Source
2001	FRANCOBngrda	Haines & Company, Inc.
1995	Ramirez Brigida	Pacific Bell
1964	JOHNSON EDNA	Pacific Telephone
	BROWN LEE	Pacific Telephone

1019 W MAGNOLIA ST

Year	Uses	Source
2001	CULPEPPERJame	Haines & Company, Inc.
1960	SIMMS J D	Pacific Telephone
1958	Simms J D	Pacific Telephone
1957	SIMMS J D	Pacific Telephone
1954	GUSTAFSON IRVIN N R	R. L. Polk & Co.
1951	AGustafson I N	Pacific Directory Co.
1950	GUSTAFSON INRIN N R	Pacific Telephone

1022 W MAGNOLIA ST

Year	Uses	Source
2001	ROLDANFredy	Haines & Company, Inc.

1023 W MAGNOLIA ST

Year	Uses	Source
2001	RATCLI FFCloude Oe	Haines & Company, Inc.
1995	Ratcliff Homer L	Pacific Bell
1985	RATCLIFF HOMER L	Pacific Bell
1960	RAYFORD THOS L	Pacific Telephone
1951	ACrew R W	Pacific Directory Co.

1025 W MAGNOLIA ST

Year	Uses	Source
1957	TAYLOR RITER C	Pacific Telephone
1954	TAYLOR RITER C	R. L. Polk & Co.
1950	TAYLOR RITER C R	Pacific Telephone

FINDINGS

1029 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1030 W MAGNOLIA ST

Year	Uses	Source
2001	GOMEZJUIo	Haines & Company, Inc.

1034 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1036 W MAGNOLIA ST

Year	Uses	Source
1928	Compton Gardena Milling Co	Los Angeles Directory Co.

1055 W MAGNOLIA ST

Year	Uses	Source
1960	RIDDICK JAS	Pacific Telephone

1101 W MAGNOLIA ST

Year	Uses	Source
1958	LOS ANGELES COUNTY OF HEALTH DEPT	Pacific Telephone
	Burbank	Pacific Telephone

1104 W MAGNOLIA ST

Year	Uses	Source
1957	VAN OORT ROGER	Pacific Telephone

1106 W MAGNOLIA ST

Year	Uses	Source
1958	American Printing Co	Pacific Telephone

1118 W MAGNOLIA ST

Year	Uses	Source
1995	Briggs Joan Y	Pacific Bell

1121 W MAGNOLIA ST

Year	Uses	Source
1985	Alves W L Inc	Pacific Bell
	Alvestad Lonnie	Pacific Bell
1958	Marginator Co	Pacific Telephone

FINDINGS

1126 W MAGNOLIA ST

Year	Uses	Source
1995	Taylor Stephen	Pacific Bell

846A W MAGNOLIA ST

Year	Uses	Source
1960	HOLLON JACK	Pacific Telephone
1957	HOLLON JACK	Pacific Telephone

918B W MAGNOLIA ST

Year	Uses	Source
1960	BROWN ELLNORA MRS	Pacific Telephone
1957	BROWN ELLNORA MRS	Pacific Telephone

1008A W MAGNOLIA ST

Year	Uses	Source
1957	SIMS W T	Pacific Telephone

909 1/2 W MAGNOLIA ST

Year	Uses	Source
1964	PEEKS WM H	Pacific Telephone

W SCHOOL ST

901 W SCHOOL ST

Year	Uses	Source
2001	MULLEN Samuel	Haines & Company, Inc.
1951	ARussell W O	Pacific Directory Co.

903 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

904 W SCHOOL ST

Year	Uses	Source
2001	OROWNRIDGELeon	Haines & Company, Inc.

905 W SCHOOL ST

Year	Uses	Source
2001	SEPHRIAMMablean	Haines & Company, Inc.
1954	PACHECO JOSE G	R. L. Polk & Co.
1951	AWise Clarence	Pacific Directory Co.

FINDINGS

906 W SCHOOL ST

Year	Uses	Source
2001	BANTONOl Ire	Haines & Company, Inc.
1980	JOHNSON ERNEST C	Pacific Telephone
1975	BANTON OLLIE	Pacific Telephone

909 W SCHOOL ST

Year	Uses	Source
2001	MAROUEZMaxmi Oa	Haines & Company, Inc.
1954	GILLORY JAS A	R. L. Polk & Co.
1951	AJohnson L E	Pacific Directory Co.

910 W SCHOOL ST

Year	Uses	Source
2001	CIFUENTESWhiman	Haines & Company, Inc.
1985	SUNIA F	Pacific Bell
1928	Vacant	Los Angeles Directory Co.

912 W SCHOOL ST

Year	Uses	Source
1957	OROSCO AGAPITO	Pacific Telephone
1951	Hutton J C	Pacific Directory Co.
1940	Hutton Alma Mrs	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.

913 W SCHOOL ST

Year	Uses	Source
2001	CLAYTON Kalie	Haines & Company, Inc.
1985	CLAYTON CHAS	Pacific Bell
1980	CLAYTON CHAS	Pacific Telephone
1975	CLAYTON CHAS	Pacific Telephone
1964	HUFF MAE VESTER	Pacific Telephone
1960	HUFF MAE VESTER	Pacific Telephone
1957	HUFF MAE VESTER	Pacific Telephone
1951	Mc Laughlin Jack	Pacific Directory Co.

916 W SCHOOL ST

Year	Uses	Source
2001	WEBBLuaclle	Haines & Company, Inc.
1951	Wood WE	Pacific Directory Co.
1940	Wood W E	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1931	Wood W E	Los Angeles Directory Co.
1928	Vacant	Los Angeles Directory Co.

919 W SCHOOL ST

Year	Uses	Source
2001	MIDDLETONRobe IJ	Haines & Company, Inc.
1975	MIDDLETON DARAYE	Pacific Telephone
1960	HAMIC ALBERT	Pacific Telephone
1957	HAMIC ALBERT	Pacific Telephone
1951	AWeist Geo	Pacific Directory Co.
1950	WIEST MAE MRSR	Pacific Telephone
1940	Wiest A	Los Angeles Directory Co.
1931	Fawcett Ralph	Los Angeles Directory Co.

920 W SCHOOL ST

Year	Uses	Source
2001	FRAUSTOAntonra	Haines & Company, Inc.
1975	BROWN MARY JO	Pacific Telephone
	BROWN MARY JO	Pacific Telephone

921 W SCHOOL ST

Year	Uses	Source
2001	VILLARREALDaniel	Haines & Company, Inc.
1980	LUJANO JOSE G	Pacific Telephone
1951	ASmith L E	Pacific Directory Co.
1940	Loyd Osborn	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

922 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLLea	Haines & Company, Inc.
1960	DYER FOREST C	Pacific Telephone
1957	DYER FOREST C	Pacific Telephone
1954	DYER FOREST C R	R. L. Polk & Co.
1951	ADyer F C	Pacific Directory Co.
1950	DYER FOREST C R	Pacific Telephone

925 W SCHOOL ST

Year	Uses	Source
2001	ELACRUZHortencia	Haines & Company, Inc.

Year	Uses	Source
1975	LOPEZ ISIDORO	Pacific Telephone
1964	HARRISON LEO J	Pacific Telephone
	HARRISON DAISY MAE	Pacific Telephone

927 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	BALSZ LUZ	Pacific Bell
1980	BALSZ NICHOLAS R	Pacific Telephone
1975	BALSZ NICHOLAS R	Pacific Telephone

W School St

928 W School St

Year	Uses	Source
2014	RECOVER NOW SOBER LIVING LLC	EDR Digital Archive

W SCHOOL ST

928 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLRickey	Haines & Company, Inc.
1985	BACOT LEOLA	Pacific Bell
1980	BACOT LEOLA	Pacific Telephone
1975	BACOT LEOLA	Pacific Telephone
1951	Nelson J E	Pacific Directory Co.

929 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1951	Basz Nicholas	Pacific Directory Co.
1940	Ledwell 3 J	Los Angeles Directory Co.
1931	Benson John	Los Angeles Directory Co.
1928	Bailey A S	Los Angeles Directory Co.

930 W SCHOOL ST

Year	Uses	Source
2001	RIGGSYolanda	Haines & Company, Inc.
1951	ACarter S D	Pacific Directory Co.

FINDINGS

931 W SCHOOL ST

Year	Uses	Source
2001	EVANS Roger	Haines & Company, Inc.
1980	EVANS ROBIN	Pacific Telephone
1951	Moore W H	Pacific Directory Co.

934 W SCHOOL ST

Year	Uses	Source
2001	RAMOSVlicor	Haines & Company, Inc.
1960	RAMOS VICTOR D	Pacific Telephone
1957	O VICTOR 0	Pacific Telephone
1954	RAMOS VICTOR D	R. L. Polk & Co.
1951	ATaylor H G	Pacific Directory Co.

935 W SCHOOL ST

Year	Uses	Source
1964	WATSON TRAVIS	Pacific Telephone
	WATSON FRANCIS	Pacific Telephone
1954	DEARY CARROLL I R	R. L. Polk & Co.
1951	ADeary C I	Pacific Directory Co.
1950	DEARY CARROLL I R	Pacific Telephone
1940	Deary C I	Los Angeles Directory Co.

937 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1957	JENKINS MYIRTLE A	Pacific Telephone

938 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MITCHELL ERMA J	Pacific Bell
1980	DANSLER ELIJAH	Pacific Telephone
	MITCHELL ERMA J	Pacific Telephone
1975	GUZMAN RAYMOND	Pacific Telephone
1964	GUZMAN RAYMOND	Pacific Telephone
1951	Anderson D E	Pacific Directory Co.

940 W SCHOOL ST

Year	Uses	Source
2001	RSCKER Alfred	Haines & Company, Inc.

FINDINGS

941 W SCHOOL ST

Year	Uses	Source
2001	RODRIGUEZAISerlo	Haines & Company, Inc.
1951	Ringness Clara Mrs	Pacific Directory Co.

942 W SCHOOL ST

Year	Uses	Source
2001	CARRILLOVIcente	Haines & Company, Inc.
1951	Pinon M A	Pacific Directory Co.

945 W SCHOOL ST

Year	Uses	Source
2001	SROBINSON Ida	Haines & Company, Inc.

946 W SCHOOL ST

Year	Uses	Source
1985	RUCKER BETTY BEASLEY	Pacific Bell
1951	ABramson E L Mrs	Pacific Directory Co.

980 W SCHOOL ST

Year	Uses	Source
1957	BAUM PLASTIC CO	Pacific Telephone

1000 W SCHOOL ST

Year	Uses	Source
2001	COLLINSJanice	Haines & Company, Inc.
1954	SLATE CARL L	R. L. Polk & Co.
1951	Slate C L	Pacific Directory Co.

1006 W SCHOOL ST

Year	Uses	Source
2001	TATE Rbert	Haines & Company, Inc.
1960	SCOTT CLESSIE	Pacific Telephone
1951	ACarlson L H	Pacific Directory Co.

1013 W SCHOOL ST

Year	Uses	Source
2001	GARCl AAngelila	Haines & Company, Inc.
1957	YEAGER KATHERINE L	Pacific Telephone
1954	YEAGER KATHERINE L R	R. L. Polk & Co.
1951	Yeager K L Mrs	Pacific Directory Co.
1950	YEAGER KATHERINE L R	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
930 Compton Boulevard	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1000 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1000 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1003 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1004 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1011 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1013 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1018 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1019 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1019 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1023 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1026 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1028 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1029B W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1031 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1036 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1038 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1048 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1055 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1100 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1100 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1102 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1104 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1105 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151st St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1107 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1108 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
111 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1116 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1120 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1122 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1123 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1132 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1133 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1136 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1144 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1972, 1969, 1966, 1965, 1963, 1961, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1148 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1152 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1156 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1157 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1961, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1158 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1169 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1218 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1228 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1234 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1238 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1251 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1257 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1969, 1966, 1965, 1964, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1316 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1328 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1332 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1339 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1340 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14181/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14281/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1438 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1439 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1447 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1448 1/4 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1451 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S Dwight Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
157 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
201 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
203 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
205 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S Kemp Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
209 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
309 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
313 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
810 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
814 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
816 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
823 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
825 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
826 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
827 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
830 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
833 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
834 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
835 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
836 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
840 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
843 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
845 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
846 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
846A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
857 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
861 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
873 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
901 W Compton Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
905 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 1/2 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
909 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
913 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
917 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
918 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918B W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
921 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152nd St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
925 W Magnolia St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W School St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
929 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 SCHOOL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W Magnolia St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
932 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
935 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
936 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
940 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
942 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
946 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
947 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
948 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
951 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
953 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
957 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
957 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
959 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
961 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
962 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
963 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
965 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
969 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
973 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
979 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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982 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
987 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
995 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix F AGENCY RECORDS

From: David Coscia
To: Jansen, Alicia
Subject: Public Records Request - 930 Compton Blvd, 90220
Date: Wednesday, April 11, 2018 10:33:00 AM

Hello Alicia

Per your request, County of Los Angeles Public Works has no records for this site.

Regards,

Mr. David Coscia
Program Manager II
Los Angeles County Public Works
(626) 458-3519

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

April 11, 2018

Alicia Jansen
STANTEC CONSULTING SERVICES
25864-F Business Center Drive
Redlands, CA 92374

930 COMPTON BLVD. AND W. COMPTON BLVD, COMPTON, CA
PR4-041018-7

Dear Ms. Jansen:

The Department of Toxic Substances Control has received your letter to review records under the Public Records Act.

After a thorough review of our files we have found that, no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available at each DTSC Regional File Room Office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5337.

Sincerely,

Julie Johnson

Julie Johnson
Regional Records Coordinator

RECEIVED
APR 16 2018

Printed on Recycled Paper

From: Negrini, Camille
To: Jansen, Alicia
Subject: 18-1479
Date: Monday, April 23, 2018 2:29:16 PM
Attachments: image001.png
image003.png

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: *(930 W Compton Blvd, Compton CA 90220)*

This search revealed that no records were found for the above noted address.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destoyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at *(310) 534-6270.*

Los Angeles County Fire Department
Health Hazardous Materials Division
Inspection Section / Southwest District
HHMD Website

Phase I Environmental Site Assessment
930 Compton Boulevard
Compton, California 90220

Prepared for:
City Ventures
3121 Michelson Drive,
Suite 150
Irvine, CA 92612

Prepared by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California 92374

Project No.: 185804169

April 27, 2018

Sign-off Sheet and Signatures of Environmental Professionals

This Phase I Environmental Site Assessment was prepared by Stantec Consulting Services Inc. (Stantec) for City Ventures. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

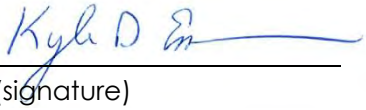
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Author
(signature)

Alicia Jansen
Associate Scientist

Quality Reviewer
(signature)

Dion Monge
Senior Scientist

Independent Reviewer 
(signature)

Kyle Emerson, P.G., C.E.G.
Managing Principal Geologist

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Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds

1.0 SUMMARY

This Phase I Environmental Site Assessment (ESA) report was prepared by Stantec Consulting Services Inc. (Stantec), on behalf of City Ventures (the "Client"), for the property located at 930 Compton Boulevard, Compton, California (the "Property" or the "Site"). City Ventures (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of ASTM International (ASTM) Designation E 1527-13, All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312 and the terms and conditions of the Master Services Agreement between Stantec and Client (the "MSA"), except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 *et seq*.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify adverse environmental conditions including recognized environmental conditions ("RECs") at the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

(1) Due to any release to the environment;

(2) Under conditions indicative of a release to the environment; or

(3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health

and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and a review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

(1) Information that is publicly available;

(2) Information that is obtainable from its source within reasonable time and cost constraints; and

(3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

The Assessor's Parcel Number (APN) for the Property is 6161-001-902.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with the Master Services Agreement between Stantec and Client (the "MSA") and the requirements of ASTM E 1527-13

and AAI. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report.

This report provides an evaluation of specified environmental conditions associated with the identified property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. 40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information. Stantec can neither warrant nor guarantee such thoroughness or reliability, however.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the preparation of this report, and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. Project Specific limiting conditions are provided in Section 2.2.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. The identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law or the MSA. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	Stantec was provided a User Questionnaire form completed by Ms. Kim Prijatel, Vice President of Development of City Ventures, dated April 12, 2018. Ms. Prijatel is not aware of any environmental issues associated with the Property.
Environmental Liens or Activity Use Limitations	No	Recorded title records or search results for any environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA. The lack of review of this information did not appear to affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.
Previous Environmental Permits or Reports Provided by User	No	No previous reports or permits were provided for the Property.
Purpose of the Phase I ESA	Yes	Due Diligence

Stantec forwarded the ASTM recommended User Questionnaire to Ms. Prijatel, Vice President of Development for City Ventures. The completed User Questionnaire returned to Stantec by Ms. Prijatel is included in Appendix C. The significant information provided by the user is summarized below.

1. Information on Environmental Cleanup Liens on Subject Property? **No**
2. Information on Subject property Activity or Use Limitations (including Institutional and Engineering Controls)? **No**
3. Specialized knowledge or experience of the User: **No**
4. Relationship of the purchase price/rent to fair market value of the Subject Property if it were not contaminated? **Does not believe purchase price has been reduced from fair market value.**

5. Commonly known or reasonably ascertainable information about the Subject Property? **The Property is a trucking location with the potential for oil and gas usage.**
6. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation? **None.**

3.1 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The Federal AAI rule (40 CFR §312.28) and ASTM E1527-13 require that all appropriate inquiry must take into account relevant and applicable specialized knowledge and experience on the part of the User regarding the Site, the area surrounding the Site, the conditions of adjoining properties, and any other experience relevant to identifying RECs on the Site.

Ms. Prijatel is familiar with the Site and knows of no RECs associated with the Site.

3.2 PURCHASE PRICE VS. PROPERTY VALUE

The Federal AAI rule (40 CFR §312.29) and ASTM E1527-13 require that persons seeking defense to or protection from liability under CERCLA must take into account the relationship of the purchase price to the fair market value of the property if it were not contaminated to assess whether or not the differential is due to the presence of releases or threatened releases of hazardous substances. This portion of the inquiry is the responsibility of the User, and the User has the option of sharing or not sharing this information with the Environmental Professional performing the Phase I ESA.

Stantec has not performed an independent evaluation of the purchase price of the property and its relationship to fair market value. Stantec submitted a written questionnaire to the User inquiring about the User's knowledge regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated.

Ms. Prijatel believes the purchase price reflects fair market value and has not been reduced due to any environmental issues.

The User provided information is included in Appendix C.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

Topography:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.
Soil/Bedrock Data:	According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.
Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

4.1.1 Property Topography and Surface Water Flow

The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast. Based on the topography, surface water on the Property infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.

The nearest surface water body is a creek known as San Gabriel River, located approximately ½ mile to the east of the Property.

4.1.2 Regional and Property Geology

The Property is located in Los Angeles County. The area is located within the Peninsular Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey ["CGS"], 2002). The vicinity consists of recent-age alluvium (CDMG, 1962). Soil at a facility 1,500 feet to the west is reportedly sand (Geotracker, 2015).

According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.

4.1.3 Regional and Property Hydrogeology

The Property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.04). The basin is located within the southeastern portion of Los Angeles County. The basin is constrained by the La Brea high to the north, bedrock core complexes to the northeast and east, a drainage province boundary to the southeast, and the Newport-Inglewood Fault to the southwest. Two forebays and one pressure area are present in the basin and water-bearing units consist of sand, gravel and clay up to 2,200 feet in thickness (Department of Water Resources [DWR], 2004).

According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred groundwater flow direction is likely to be

northwest direction. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property was identified in the environmental database report. The following table summarizes the listing for the Property:

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Office of State Wide Health Planning & Development 930 W Compton Boulevard Compton, CA 90220	HAZNET	Target Property	No
The Property is listed as disposing of polychlorinated biphenyls (PCBs), material containing PCBs, and asbestos off-site in 2004. This is likely during the building demolition activities. There are no violations related to the off-site disposal of the waste. Given there were no violations listed, the database listings are considered unlikely to represent an environmental condition to the Property.			

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Excel Cleaners 913 W Compton Boulevard Compton, CA 90220	EDR Hist Cleaner	60 feet / northeast	No
This facility is listed as dry cleaner in 1962. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Mac S Radiator Service 929 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	90 feet / north	No

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
This facility is listed as an auto radiator repair service in 1951. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Forst & Son 945 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	107 feet / north	No
This facility is listed as an auto repair service in 1947. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Blackshire & Marshall 1011 W Compton Boulevard Compton, CA 90220	RCRA Non Gen/NLR; FINDS; ECHO	108 feet / west	No
The facility is listed as a transported of hazardous wastes with no reported violations. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Hooper's Carpets / Sinclair C B 1001 W Compton Boulevard Compton, CA 90220	UST; EDR Hist Auto; LUST	162 feet / west-northwest	No
The facility was listed as various gasoline and oil service stations between 1947 and 1951 and Coopers Auto general auto repair in 2010. The facility is currently a carpet shop. The facility had one 1,000-gallon motor oil underground storage tank (UST) and two 2,000-gallon gasoline USTs that were closed in-place in March 2015. The Regional Water Quality Control Board (RWQCB) granted case closure on January 25, 2018 for a release of gasoline to soil. Given the distance, media involved, and closure status, this facility is unlikely to represent an environmental concern to the Property.			

The remaining listings in the database search report provided in Appendix D do not constitute a REC for the property.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property. Copies of responses from the regulatory agencies is provided in Appendix F.

4.3.1 Local Health Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Health (DPH) 5555 Ferguson Drive, Suite 120-04 Commerce, CA 90022	Stantec submitted a request to the Los Angeles County DPH on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.2 Department of Toxic Substances Control (DTSC)

Agency Name Contact Information	Finding
Department of Toxic Substances Control (DTSC) 5796 Corporate Ave., Cypress, CA 90630	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap. Additionally, Stantec researched the online database Envirostor managed by this agency (envirostor.dtsc.ca.gov). No records were found on the database website for the Property address.

4.3.3 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
City of Compton Building and Safety Division 205 S. Willowbrook Avenue Compton, CA 90220 Tel: (310) 605-5509	A request was submitted to the City of Compton Building and Safety Division on April 11, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.4 County Public Works Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Works (DPW) Environmental Programs Division UST Program 900 South Fremont Avenue, 3rd Floor Alhambra, California Tel: (626) 458-3517 http://ladpw.org/epd/CleanLA/OpenFileReview.aspx	According to an email dated April 11, 2018, from Mr. David Coscia, Program Manager II with the Los Angeles County Department of Public Works, there are no records for the Property. Additionally, Stantec researched the online database managed by this agency (http://ladpw.org/epd/CleanLA/OpenFileReview.aspx). No records were found on the database website for the Property. Stantec also research the Solid Waste Management System database managed by this agency (https://dpw.lacounty.gov/epd/swims/OnlineServices/search-methane-hazards-esri.aspx) to determine if methane mitigation is required for the Property. According to this database, the Property is not within 300 feet of an oil or gas well or within 1,000 feet of a methane producing site. Therefore, this agency does not require a methane mitigation system for future Property structures.

4.3.5 Fire Department

Agency Name Contact Information	Finding
County of Los Angeles Fire Department Health Hazardous Materials Division 5825 Rickenbacker Road Commerce, CA 90040 Tel: (323) 890-4045	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.6 California Regional Water Quality Control Board (CRWQCB)

Agency Name, Contact Information	Findings
California State Water Resources Control Board, Los Angeles (CRWQCB) 320 W 4th Street, Suite 200 Los Angeles, CA 90013 (213) 576-6600	Stantec researched the online database Geotracker managed by this agency (geotracker.waterbarods.ca.gov). No records were found on the database website for the Property address.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Land title records and deeds were not provided by the User, and public records were not searched by Stantec.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property, and Adjoining Properties
1928	1": 500'	The Property and adjacent land to the south appear to be used for light agricultural purposes. Compton Boulevard appears adjacent to the north beyond which are small structures. Dwight Avenue appears adjacent to the west.
1938	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1947	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. An increase in residential development appears to the north and south. The Compton Airport appears approximately 1,000 feet to the south.
1952	1": 500'	The Property appears to be vacant land. Residential development appears to the south. Kemp Avenue appears adjacent to the east. An increase in residential development appears in the surrounding area.
1963	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1977	1": 500'	The majority of the Property is developed with a large structure possibly a hospital. The western and southern portion of the property appears to be parking. The surrounding properties appears densely developed with residential structures.
1979	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1981	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. Commercial properties appear to the north beyond Compton Boulevard.
1989	1": 500'	The Property appears similar to the previous aerial photograph. The adjacent parcel to the east appears to be a vacant lot.
1994	1": 500'	The Property appears similar to the previous aerial photograph.
2002	1": 500'	The Property appears similar to the previous aerial photographs. The adjacent property to the east appears to be developed with multi-tenant residential structures.
2005	1": 500'	The Property appears to be a vacant lot. All structures and parking areas have been removed. The surrounding area appears similar to the previous aerial photographs.
2010 / 2012	1": 500'	The Property and surrounding area appears similar to the previous aerial photographs.

Name of aerial photograph source: EDR, 2018

The Property appears to have been used for light agricultural use until circa 1950. A large commercial building, possibly a hospital building, appears on the Property between 1977 and 2005. The building on the Property was demolished and remains a vacant lot at present day. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

4.4.3 City Directories

Stantec retained EDR to research available reverse city directories for the Property, in approximately five year intervals for the years spanning 1920 through 2014. The following is a summary of Stantec's review of the city directory listings:

Subject/Adjoining Property	Year	Listed Occupants
Subject Property: 930 W Compton Boulevard	1995	Kazi Residential Drug Program
Subject Property: 930 W Compton Boulevard	1980	Compton Care Inc
Subject Property: 930 W Compton Boulevard	1976	Willows Resident School & Day Care Center
Subject Property: 930 W Compton Boulevard	1971	Willows Convalescent Hospital

Name of city directories and source: Cole Information Services and Haines Criss-Cross Directory.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec contracted with a third party to search for copies of historical fire insurance maps covering the subject and immediately adjacent properties. The Sanborn® Map Search Report is presented in Appendix E.

Year	Occupant of Property/Adjoining Properties; Indications of Hazardous Substance or Petroleum Usage
1938	The Property is not depicted on the Sanborn Map. West Compton Boulevard appears adjacent to the north beyond which are dwellings. The El Retiro Psychopathic Ward with dormitories and an administration building appear adjacent to the east.

Name of maps and source: EDR, 2018

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-Minute Topographic Maps of the South Gate, Inglewood, Long Beach, and Torrance, California Quadrangles (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern. Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1896 / 1899 / 1902	1:62,500	The map is large scale of the area in the vicinity of the Property. No structures or other features are observable on the Property from this map. A creek appears adjacent to the north-east.
1923 / 1924; 1930	1:24,000	No structures or other features are observable on the Property. The Compton Sanitarium appears adjacent to the east. Redondo Boulevard appears adjacent to the north.
1937	1:24,000	The Property is not located on this map.
1942; 1943; 1947/1948	1:62,500 1:50,000	No structures are observable on the Property from this map. The city of Compton appears to the northeast. Compton Creek appears to the north-east.
1949/1950/1951; 1952; and 1964	1:24,000	No structures are observable on the Property from this map. Multiple buildings associated with the Compton Sanitarium appear adjacent to the east.
1972 and 1981	1:24,000	The Property and surrounding area appear similar to the previous topographic map. No structures are present on the Property.
2012	1:24,000	No site detail is shown on this map.

Name of maps and source: EDR, 2018.

4.4.6 Other Historical Sources

Stantec was not provided with any historical reports for the Property.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Ms. Alicia Jansen, Associate Scientist with Stantec on April 20, 2018. Access to the Property was provided by Ms. Kim Prijatel, Vice President of Development of City Ventures. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.

Weather conditions during the visit to the Property were clear and sunny. There were no weather related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located southeast corner of the intersection of West Compton Boulevard and South Dwight Avenue in the City of Compton, Los Angeles County, California. The surrounding area is a mixture of commercial, retail, restaurants, and residential properties.
Property Operations.	None observed.
Structures, Roads, Other Improvements:	The Property is consists of a vacant lot with no structures or roads present. The Property is surrounded by a locked fence.
Property Size (acres):	Approximately 2.45 acres.
Estimated % of Property Covered by Buildings and/or Pavement:	0%
Observed Current Property Use/Operations:	The Property is consists of a vacant lot with no structures or roads present.
Observed Evidence of Past Property Use(s):	None observed.

Sewage Disposal Method (and age):	City of Compton.
Potable Water Source:	City of Compton.
Electric Utility:	Southern California Edison.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

Given there were no structures on the Property this section is not applicable.

Observations	Description
Heating/Cooling Method:	N/A
Surface Stains or Corrosion:	N/A
Floor Drains and Sumps:	N/A
Other Interior Observations:	N/A

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	Household debris (furniture, dresser, headboard, etc) were observed outside the fenced gate on the southwestern corner of the Property.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	None observed.
Stormwater:	Surface water infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.
Wells:	None observed.
Septic Systems:	None observed.
Other Exterior Observations:	An unlabeled aboveground pipe was observed along the southcentral perimeter within the Property boundary.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches) which would indicate the presence of USTs was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed or reported to Stantec.

5.7 ABOVEGROUND STORAGE TANKS (AST)

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the presence of ASTs was discovered during this Phase I ESA.
Former ASTs:	None observed or reported to Stantec.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	West Compton Boulevard beyond which are retail, restaurants and commercial businesses.
SOUTH	West 151st Street beyond which are residential structures
EAST	South Kemp Avenue beyond which are residential structures
WEST	South Dwight Avenue beyond which are a liquor store and residential structures

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.

6.0 INTERVIEWS

The Property was vacant at the time of the site reconnaissance; therefore, no site interview was conducted. Given the historical records available, the lack of an on-site interview is not considered a significant data gap and is unlikely to impact the conclusions of this report.

7.0 EVALUATION

This section provides a summary overview of Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property.

Opinion 1: Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

Finding 2: An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property that may represent RECs, HRECs, or de minimis conditions.

Opinion 2: Based on one or more of the following reasons: distance from the Property, position of sites with respect to assumed groundwater flow direction, the native soils, and regulatory status, none of the sites identified in the in the environmental records search report are expected to affect soil or groundwater quality at the Property. The environmental records search identified no RECs, HRECs or de minimis conditions at or near the Property.

Finding 3: Recorded title records and search results for environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA.

Opinion 3: The lack of review of this information did not affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.

7.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	As of the date of this report no response has been received from multiple environmental agencies. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from the multiple environmental agencies would alter the conclusions or recommendations of this report.
Data Gaps From Historical Records Review:	None
Data Gaps From Interviews:	None
Other Data Gaps:	None

7.3 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 et seq.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

8.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

The age of the dwelling as follows: maximum risk is from paint applied before 1950.

There is severe risk from paint applied before 1960.

There is moderate risk from deteriorated paint applied before 1970.

There is slight risk from the paint that is intact but applied before 1977.

The condition of the painted surfaces.

The presence of children and certain types of households in the building.

Previously reported cases of lead poisoning in the building or area.

Given there are no structures on the Property, LBP is not an environmental concern.

8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition, in order to determine the need for compliance with EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Given there are no structures on the Property, ACMs are not considered an environmental concern for the Property.

8.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA on average indoor radon concentrations in the vicinity of the Property (http://www.epa.gov/radon/zonemap.html).

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)
Normally-occupied sub grade areas present? (i.e., basement apartments, offices, stores, etc.)		
None		

The property is located in Zone 2 and is considered to have moderate potential for radon. None of the 4 tests conducted in zip code 90220 (zip code for the Property) were above 4 pCi/L. To determine Property-specific radon levels, a radon survey would have to be conducted. However, based on the information available, Stantec concludes that radon appears unlikely to represent an environmental concern to the Property and recommends no further investigation regarding this issue.

8.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is not located within a 100-year or 500-year flood plain.

9.0 REFERENCES

American Society for Testing and Materials (ASTM) International, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2018, website http://www.consrv.ca.gov/dog/maps

California Geological Survey (CGS), 2018, website http://maps.conservation.ca.gov/cgs/fam/

Department of Toxic Substances and Control, 2018, website http://www.envirostor.dtsc.ca.gov/public/

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5253592.2s, dated April 10, 2018.

_____, Certified Sanborn Map Report, Inquiry Number 5253592.3, dated April 10, 2018.

_____, Historical Topographic Map Report, Inquiry Number 5253592.4, dated April 10, 2018

_____, Aerial Photo Decade Package, Inquiry Number 5253592.5, dated April 10, 2018.

_____, City Directory Abstract, Inquiry Number 5253592.6, dated April 10, 2018.

State Water Resource Control Board's Geotracker, 2018, website https://geotracker.waterboards.ca.gov/

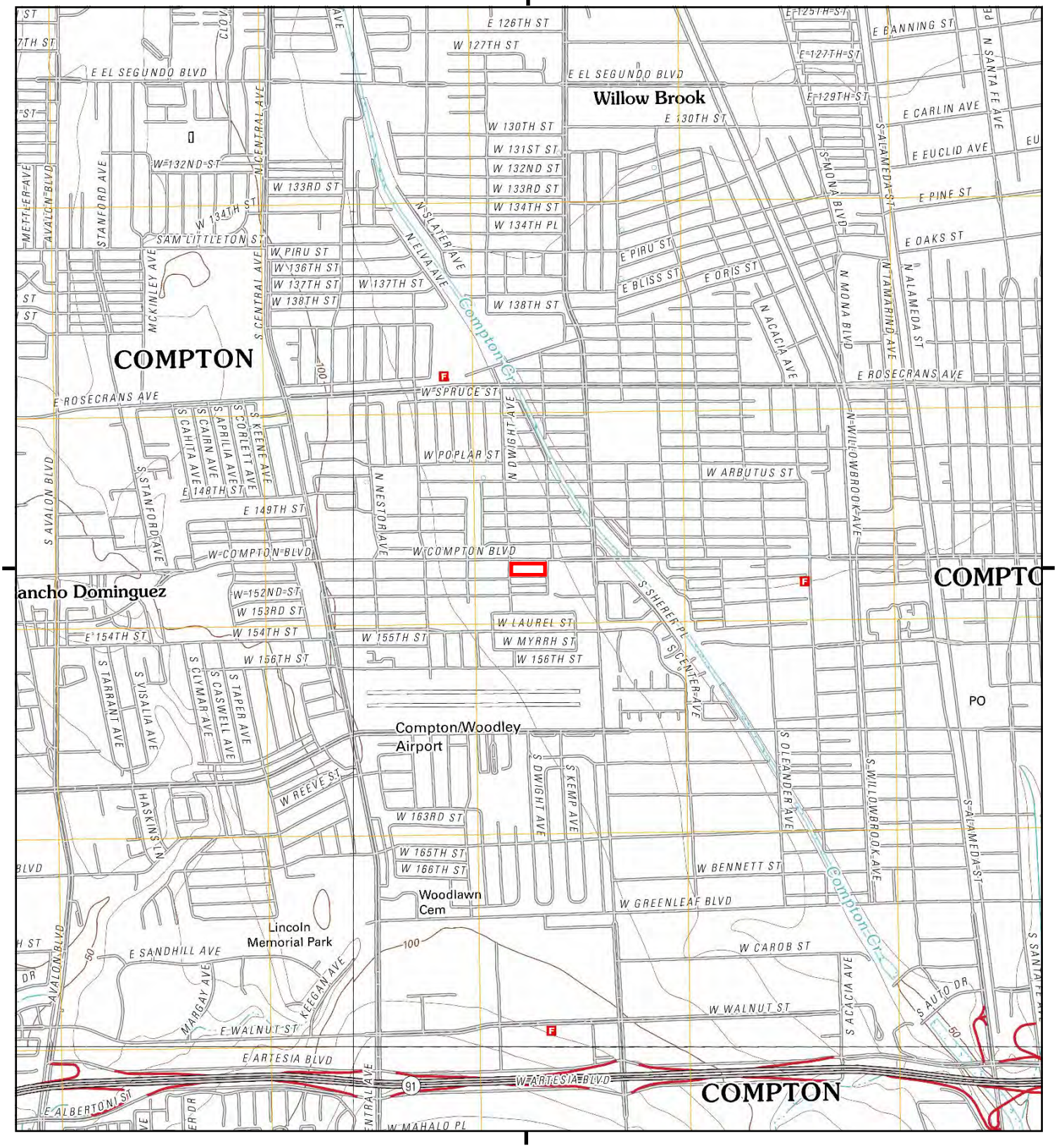
United States Geological Survey (USGS), 2012, South Gate, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

United States Geological Survey (USGS), 2018, website.
https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm

FIGURES

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

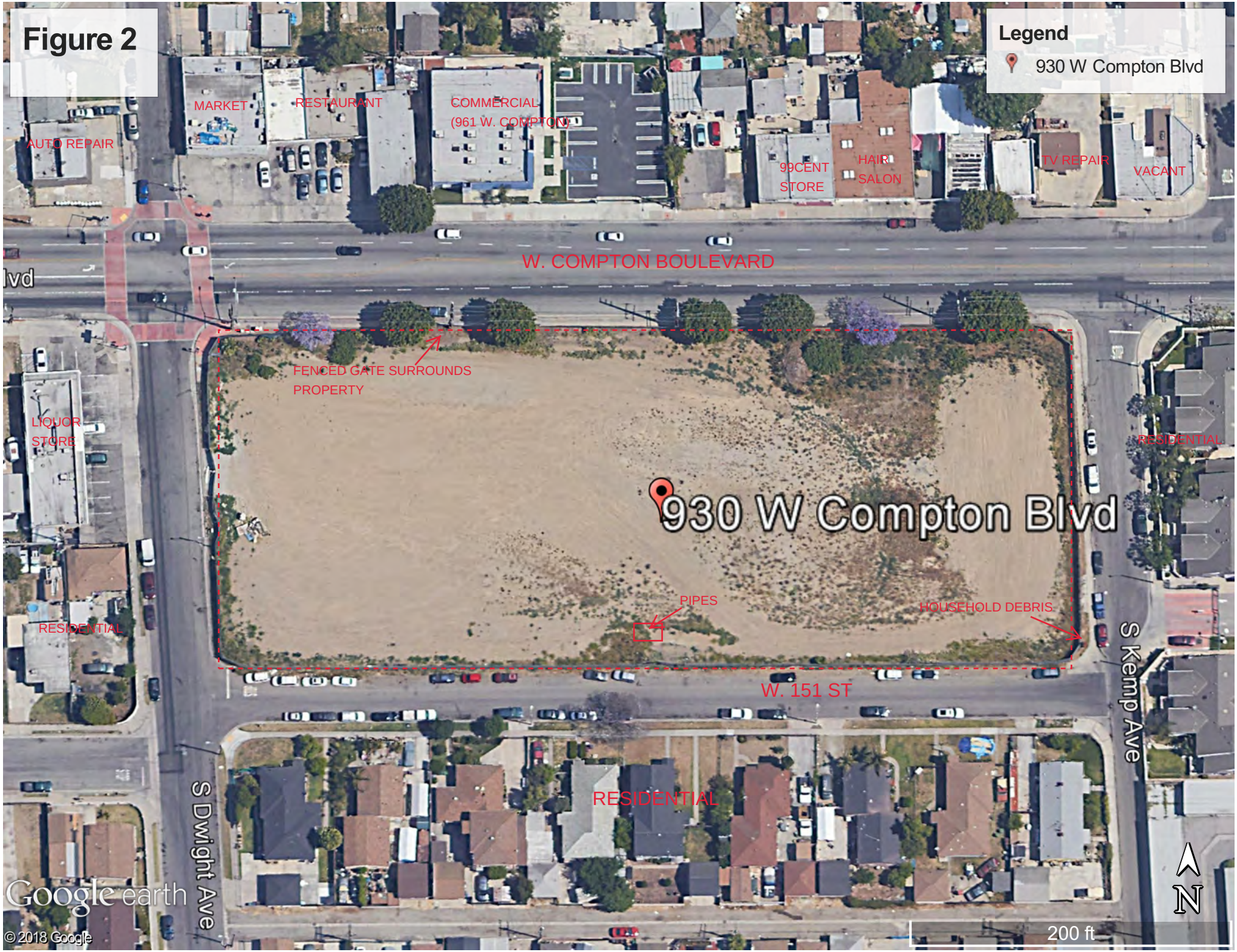


Figure 2
Legend
930 W Compton Blvd
MARKET
RESTAURANT
COMMERCIAL
(961 W. COMPTON)
AUTO REPAIR
99CENT
STORE
HAIR
SALON
TV REPAIR
VACANT
W. COMPTON BOULEVARD
FENCED GATE SURROUNDS
PROPERTY
LIQUOR
STORE
RESIDENTIAL
930 W Compton Blvd
PIPES
HOUSEHOLD DEBRIS
RESIDENTIAL
W. 151 ST
S Kemp Ave
S Dwight Ave
RESIDENTIAL
Google earth
© 2018 Google
N
200 ft

Appendix A PHOTOGRAPHS OF THE PROPERTY AND VICINITY

Photo #1 View of the Property looking west.

Photo #2 View of pipes on the south-central perimeter of the Property.

Photo #3 View of the debris left on the southeastern corner of the Property outside the Property gate at South Kemp Avenue and West 151st Street.

Photo #4 View of West 151st Street and residential structures to the south.

Photo #5 View of South Kemp Avenue beyond which are residential structures to the east.

Photo #6 View of South Dwight Avenue beyond which is a liquor market and residential to the west.

Photo #7 View of West Compton Boulevard beyond which are retail and restaurants to the north.

Photo #8 View of the Property looking north.

Appendix B STANTEC RESUMES

Alicia R Jansen CAC, LRCIA

Environmental Scientist

Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Indoor Air Quality Assessments*, San Jose, California (Staff)
Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)
Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)
Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)
Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)
Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)
Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)
Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Remedial Investigations & Assessments

Multiple Confidential Clients, Phase I Environmental Site Assessments (ESA), Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

Homebuilder, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I ESAs and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

** denotes projects completed with other firms*

Dion Monge

Project Scientist

Dion has extensive knowledge of underground storage tank investigations, Phase I and II environmental site assessment, groundwater monitoring and reporting, soil, soil vapor, and groundwater quality assessments, and testing for asbestos and lead based paint. His project experience is extensive and wide ranging and includes many types of soil, soil vapor, and groundwater assessment and monitoring for planned, existing, and former sites. Dion also has experience in testing fill soils placed on grading sites.

He has experience on redevelopment of former oil field sites that include submittal of construction site review plans, oil well mitigation (venting and casing alterations), abandonment of oil wells, and remedial investigations and remediation involving soil contamination.

Dion also has experience working with 1166 AQMD air monitoring on projects ranging from limited access dry cleaner excavations, solvent excavations, and petroleum excavations related to underground storage tank releases. Included in this type of monitoring is the assessment of a safe work environment for the contractors involved with this type of work.

He has considerable knowledge in asbestos and lead based paint sampling as a building inspector and lead sampling technician. Asbestos and lead based paint surveys have ranged from large office buildings to sampling highway bridges.

EDUCATION

BS, Soil Science, California Polytechnic University, Pomona, Pomona, California, 2004

Health & Safety Certification (29 CFR 1910.120),, 40-Hour OSHA Health & Safety Certification, Redlands, California, 2005

Health & Safety Annual Update Certification, 8-Hour OSHA, Redlands, California, 2009

First Aid/CPR, American Red Cross, Redlands, California, 2009

Certified Building Inspector, AHERA 8-Hour Refresher, Redlands, California, 2009

PROJECT EXPERIENCE

Asbestos, Lead Based Paint, and Hazardous Material Management

Haller Wash Bridge No. 54-0891R&L, San Bernardino County, California (Asbestos and Lead-Based Paint Sampling Assistant)

Dion conducted asbestos and lead based paint survey on highway bridge. He assisted with planning field operations, measuring bridge dimensions, and collecting samples. Tasks included sample collection, bridge measurements, and documentation.

Project Management Oversight

Magnolia Plaza, Fountain Valley, California

Dion is providing project management of soil, soil vapor, and quarterly groundwater sampling related to a solvent release at a former dry cleaning facility. Tasks include preparation of work plans for approval by the Regional Water Quality Control Board and oversight of field sampling, including lithologic logging, for soil and soil vapor investigations performed within a multi-tenant strip center. Additional tasks include preparation of investigative reports and quarterly groundwater monitoring reports. The site remains an open case and preparation of a work plan to use electrical resistive heating ("ERH") will be prepared in the coming weeks.

Dion Monge

Project Scientist

Former Superb Dry Cleaners, Anaheim, California
Dion performed field oversight, direction, and confirmation soil sampling of a limited access excavation within a former dry cleaner unit. Post excavation field activities included application of a barrier type floor sealant along with post excavation indoor air sampling. Remedial work led to regulatory closure being granted from the local agency.

Site Assessment

Proposed Friends Christian High School, Yorba Linda, California
Dion prepared preliminary site assessment (PSA) report for future private school site to identify recognized environmental conditions ("RECs") related to past property usage as an oil field with 21 oil wells abandoned prior to 1990. Completion of the PSA led to his management of the project through site closure. Field investigations and reporting by Dion included Phase II investigations, methane survey, oil well leak testing and venting, backfill and compaction (including soils testing), DOGGR Construction Site Review, and excavation and onsite management of more than 5,000 cubic yards of petroleum impacted soils.

SR-58 Widening, San Bernardino County, California
Dion performed Initial Site Assessment (ISA) for Caltran at Kramer Junction for the proposed widening of State Route 58. The ISA was performed in accordance with guidelines promulgated by the American Society for Testing and Materials (ASTM) and included historical research and coordination of permit/file reviews with local building/planning departments and environmental agencies. Dion's role included the field visit, observation documentation, agency reviews, and reporting.

Soil Sampling

Caltrans I-15, Task Order 28, Hesperia, California
Dion conducted a soil investigation for metals analysis alongside I-15 for disposal recommendations during construction of mortar-lined channels at several locations. He assisted with planning field operations and collected soil samples. Tasks included sample collection, preservation, and documentation.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Kyle has more than 28 years of professional experience—17 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developedl for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminates involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Enerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately $2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than $1 million. Total cost was less than $250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)
Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was $22 million. The case is settled and the closure of the site is pending.

Project Management
Liability and Property Management Consulting Services
Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development
Environmental Development Management and Review (Project Manager)
Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation
Design and Implementation of Biodegradation Programs*, California
Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems
Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manger)
Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*
Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*
Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial
Glendale Redevelopment Project, Glendale, California (Project Manager)
Kyle managed the assessment and remedial actions during the redevelopment of and industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was $450,000.00.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been $2.8 million to date.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

Appendix C USER PROVIDED RECORDS

Stantec Consulting Services Inc.
25864-F Business Center Drive, Redlands, CA 92374-4515
Phone: 909-335-6116
Fax: 909-335-6120

PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser,* or *contiguous property owner,* ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec Consulting Services Inc.

1. Property Information

   Property Name: Compton 1

   Property Address: 930 W. Compton Blvd.

   City: Compton State CA Zip _____

   Property Owner Name: Community Redevelopment Agency of Compton

   Property Owner Phone #: (310) 605-5697

2. Contact For Site Access

   Name: Leslie Nacionales-Tafoya

   Company/Organization/Title: City of Compton

   Phone # 310-605-5697 E-Mail Address: lnacionales-tafoya@comptoncity.org

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

   _____ Yes _X_ No

   If yes, describe or attach details of the lien _____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes _____X_____ No

If yes, describe or attach details of the limitations _____

_____

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____X_____ No

If yes, describe or attach details of your specialized knowledge or experience _____

_____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____X_____No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____Not applicable. User is not involved in a purchase of the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____Yes (describe) _____

_____

__X__No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

____Yes (describe) _____

_____

__X__No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

____Yes (describe) _____

_____

__X__No

Do you know of any environmental cleanups that have taken place at the property?

____Yes (describe) _____

_____

__X__No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of contamination at the property?

____Yes (describe) _____

_____

__X__No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

____Yes (describe) _____

_____

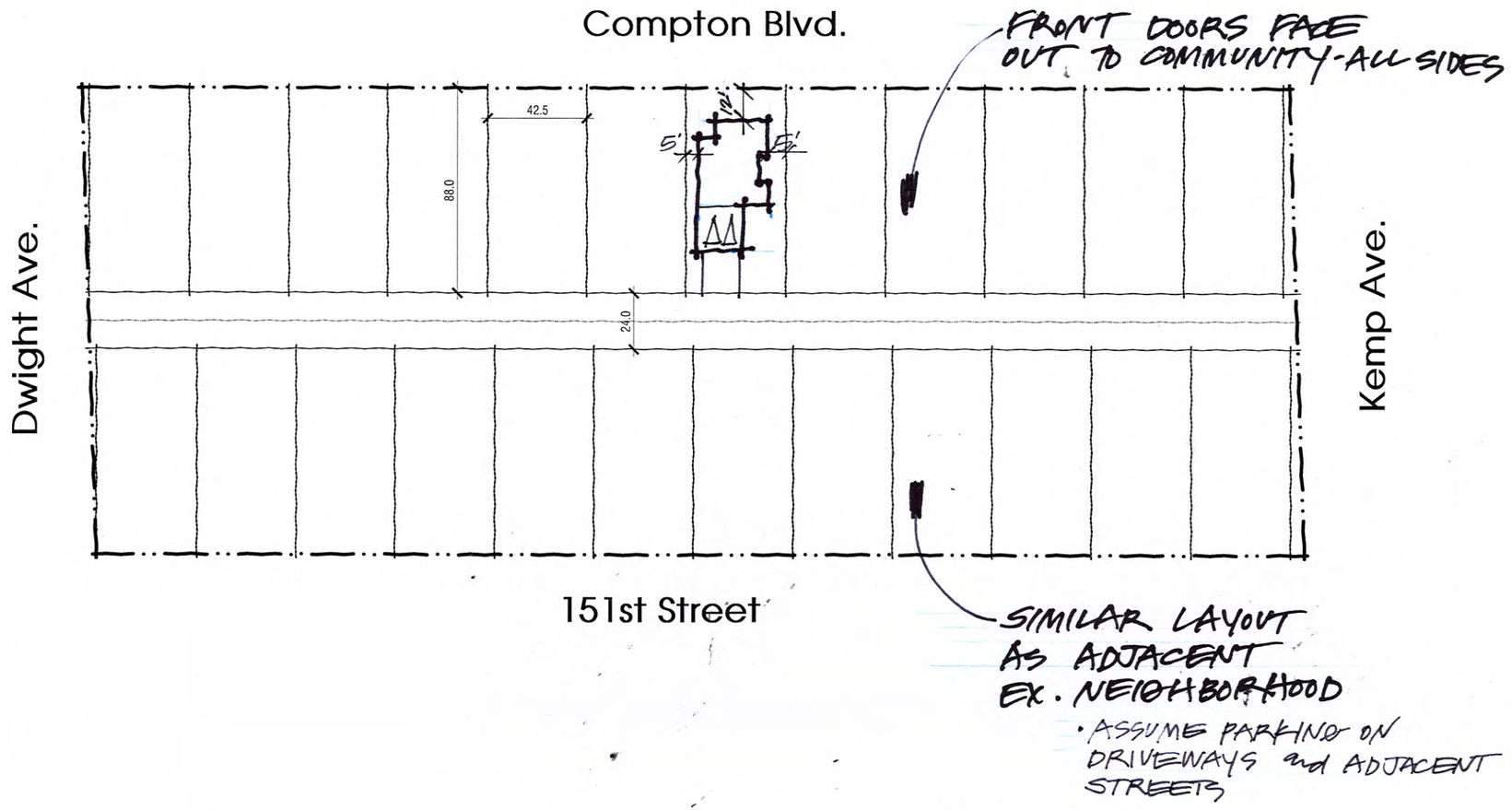
__X__No

Signature: _____

Name (printed): Kim Prijatel

Title: VP Development

Date: 4/10/18



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 42.5' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for Driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 1

0 15 30 60

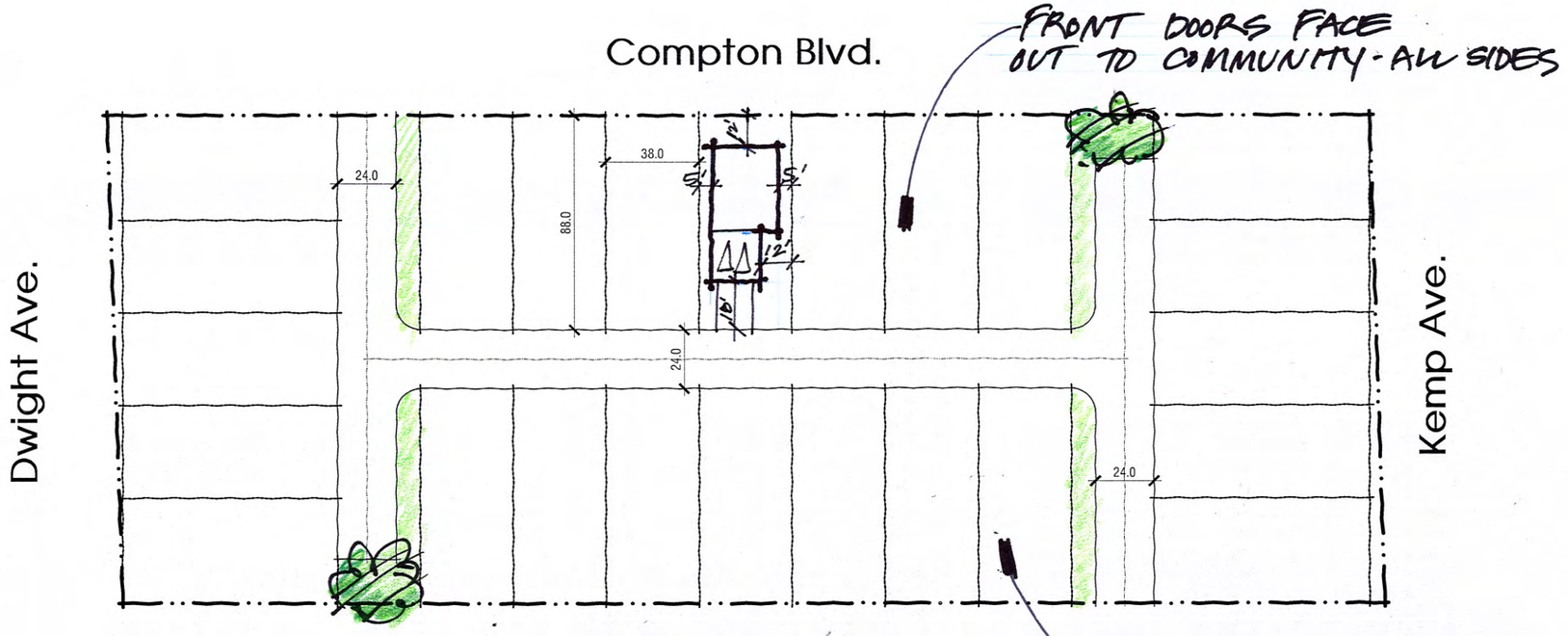
Temple and Gibson Site

Compton, CA

City Ventures

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.wharchitects.com fax 949 250 1529

2013039.00 February 6, 2013



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 38' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 2

Temple and Gibson Site

Compton, CA

City Ventures

0 15 30 60

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.whharchitects.com fax 949 250 1529

2013039.00 February 6, 2013

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.2s
April 11, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

930 COMPTON BOULEVARD
COMPTON, CA 90220

COORDINATES

Latitude (North):	33.8954860 - 33° 53' 43.74''
Longitude (West):	118.2409400 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
930 COMPTON BOULEVARD
COMPTON, CA 90220

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OFFICE OF STATE WIDE	930 W COMPTON BLVD	HAZNET		TP
A2	EXCEL CLEANERS	913 W COMPTON BLVD	EDR Hist Cleaner	Lower	60, 0.011, NE
A3	MAC S RADIATOR SERVI	929 W COMPTON	EDR Hist Auto	Lower	90, 0.017, NNE
A4	FORST & SON	945 W COMPTON BLVD	EDR Hist Auto	Lower	107, 0.020, North
B5	BLACKSHIRE & MARSHAL	1011 W COMPTON BLVD	RCRA NonGen / NLR, FINDS, ECHO	Higher	108, 0.020, WNW
6	FASHION CLEANERS	901 W COMPTON	EDR Hist Cleaner	Lower	139, 0.026, NE
B7	HOOPER'S CARPETS	1001 W COMPTON BLVD	UST	Higher	155, 0.029, WNW
B8	SINCLAIR C B	1001 W COMPTON BLV	EDR Hist Auto	Higher	162, 0.031, WNW
B9	HOOPER'S CARPET	1001 COMPTON BLVD W	LUST	Higher	162, 0.031, WNW
B10	EXOTIC MOTEL	1100 W COMPTON BLVD	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	266, 0.050, West
11	JOE JOHNSON/VACANT L	1205 W COMPTON BLVD	SWEEPS UST	Higher	473, 0.090, West
C12	COMPTON WOODLEY AIRP	901 WEST ALONDRA BLV	SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS...	Higher	1992, 0.377, SSE
C13	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
C14	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
D15	SHELL #204-1740-0304	803 ALONDRA BLVD W	LUST	Higher	2467, 0.467, SSE
D16	SHELL #204-1740-0304	803 ALONDRA	HIST CORTESE	Higher	2467, 0.467, SSE
17	JOHNSON CONTROLS INC	1707 WEST COMPTON BL	RCRA-SQG, LUST, SWEEPS UST, FINDS, ECHO, HAZNET,...	Higher	2514, 0.476, West
18	A & P GAS	1050 ALONDRA BLVD W	LUST	Higher	2571, 0.487, South
19	413 WEST COMPTON BOU	413 WEST COMPTON BOU	ENVIROSTOR	Lower	3274, 0.620, East
20	UNIFORM RENTAL SERVI	730 E. 139TH ST.	ENVIROSTOR	Lower	3698, 0.700, NNE
21	PLAZA CLEANERS	1904 W. ROSECRANS AV	ENVIROSTOR, DRYCLEANERS, EMI	Higher	3920, 0.742, WNW
22	CENTRAL AIRPORT		ENVIROSTOR	Higher	5205, 0.986, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
OFFICE OF STATE WIDE 930 W COMPTON BLVD COMPTON, CA 90220	HAZNET GEPAID: CAC002580652	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-SQG RCRA - Small Quantity Generators
RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
SLIC Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
AST Aboveground Petroleum Storage Tank Facilities
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory

DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- San Gabriel Valley Areas of Concern
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database

HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
EMI Emissions Inventory Data
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
LOS ANGELES CO. HMS HMS: Street Number List
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
UIC UIC Listing
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLAZA CLEANERS Facility Id: 19720019 Status: Refer: 1248 Local Agency	***1904 W. ROSECRANS AV***	***WNW 1/2 - 1 (0.742 mi.)***	***21***	***50***
CENTRAL AIRPORT Facility Id: 80000846 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.986 mi.)	22	52

Lower Elevation	Address	Direction / Distance	Map ID	Page
413 WEST COMPTON BOU Facility Id: 60001929 Facility Id: 60001914 Status: No Action Required Status: Inactive - Needs Evaluation	413 WEST COMPTON BOU	E 1/2 - 1 (0.620 mi.)	19	47
UNIFORM RENTAL SERVI Facility Id: 19720038 Status: Refer: 1248 Local Agency	730 E. 139TH ST.	NNE 1/2 - 1 (0.700 mi.)	20	49

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPET	1001 COMPTON BLVD W	WNW 0 - 1/8 (0.031 mi.)	B9	11
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000006793				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C13	24
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: R-08082 Global Id: T0603792989 Global Id: T0603704769 Global ID: T0603704769 Status: Case Closed				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C14	36
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-08082A Global ID: T0603792989 Status: Leak being confirmed				
SHELL #204-1740-0304	803 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.467 mi.)	D15	37
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-09002 Global Id: T0603703330 Global ID: T0603703330 Status: Case Closed				
JOHNSON CONTROLS INC	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 902200016 Global Id: T0603701244 Global ID: T0603701244 Status: Case Closed				
A & P GAS	1050 ALONDRA BLVD W	S 1/4 - 1/2 (0.487 mi.)	18	45
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000004565				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPETS Database: UST, Date of Government Version: 03/12/2018 Facility Id: LACoFA	1001 W COMPTON BLVD	WNW 0 - 1/8 (0.029 mi.)	B7	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Status: A Tank Status: A Comp Number: 14599	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***
JOE JOHNSON/VACANT L Status: A Comp Number: 13335	1205 W COMPTON BLVD	W 0 - 1/8 (0.090 mi.)	11	14

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Facility Id: 19009158 Status: A	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLACKSHIRE & MARSHAL	***1011 W COMPTON BLVD***	***WNW 0 - 1/8 (0.020 mi.)***	***B5***	***9***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMPTON WOODLEY AIRP Reg Id: R-08082	***901 WEST ALONDRA BLV***	***SSE 1/4 - 1/2 (0.377 mi.)***	***C12***	***15***
SHELL #204-1740-0304	803 ALONDRA	SSE 1/4 - 1/2 (0.467 mi.)	D16	39
JOHNSON CONTROLS INC Reg Id: 902200016	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SINCLAIR C B	1001 W COMPTON BLV	WNW 0 - 1/8 (0.031 mi.)	B8	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
MAC S RADIATOR SERVI	929 W COMPTON	NNE 0 - 1/8 (0.017 mi.)	A3	9

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORST & SON	945 W COMPTON BLVD	N 0 - 1/8 (0.020 mi.)	A4	9

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

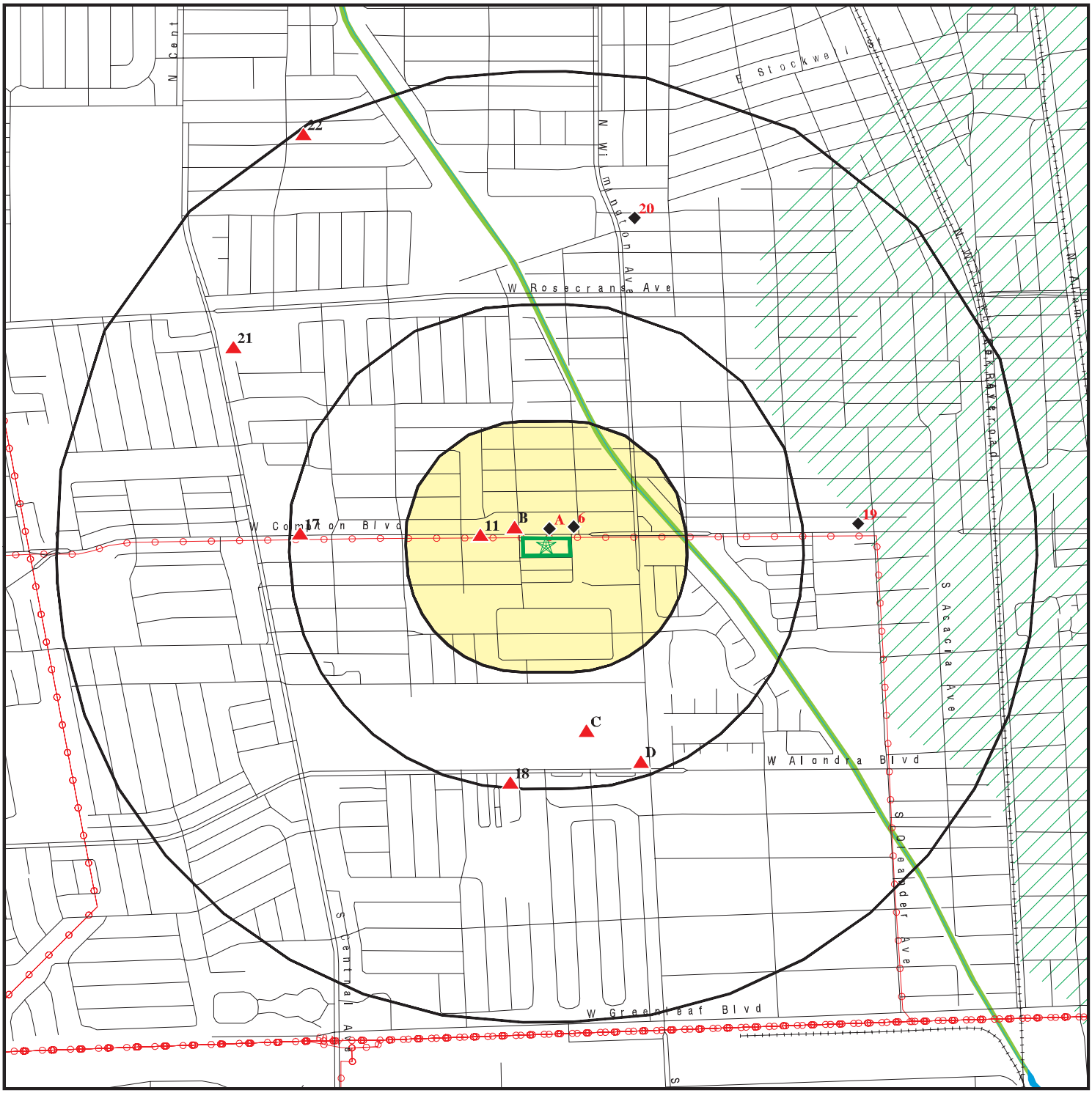
Lower Elevation	Address	Direction / Distance	Map ID	Page
EXCEL CLEANERS	913 W COMPTON BLVD	NE 0 - 1/8 (0.011 mi.)	A2	8
FASHION CLEANERS	901 W COMPTON	NE 0 - 1/8 (0.026 mi.)	6	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
KING/DREW MEDICAL MAGNET	LUST, HIST CORTESE
	CDL
	CDL
	CDL
DOMINGUEZ ENERGY REYES LEASE - ARE	SLIC

OVERVIEW MAP - 5253592.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard ADDRESS: 930 Compton Boulevard Compton CA 90220 LAT/LONG: 33.895486 / 118.24094	CLIENT: Stantec CONTACT: Alicia Jansen INQUIRY #: 5253592.2s DATE: April 11, 2018 8:09 am

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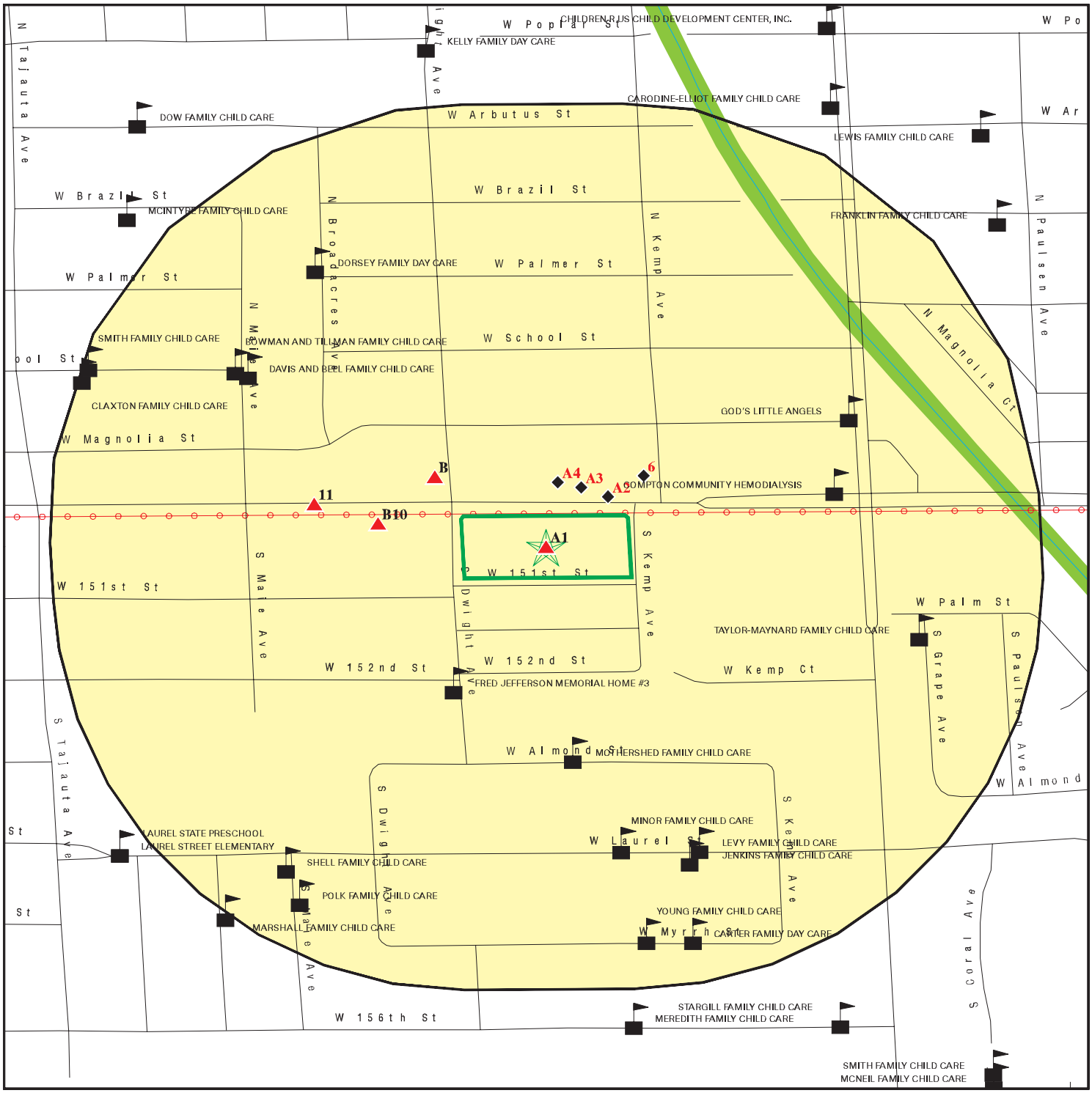
DETAIL MAP - 5253592.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard	CLIENT: Stantec
ADDRESS: 930 Compton Boulevard Compton CA 90220	CONTACT: Alicia Jansen INQUIRY #: 5253592.2s
LAT/LONG: 33.895486 / 118.24094	DATE: April 11, 2018 8:10 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	4	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	0	5	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	0	NR	NR	NR	2
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		1	11	0	8	4	0	24

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **OFFICE OF STATE WIDE HEALTH PLANNING & DEVELOPMENT** **HAZNET** **S112939552**
Target **930 W COMPTON BLVD** **N/A**
Property **COMPTON, CA 90220**

Site 1 of 4 in cluster A

Actual: **82 ft.**

HAZNET:

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	CAR000156125
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Recycler
Tons:	0.55
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0.84
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A2 **EXCEL CLEANERS** **EDR Hist Cleaner** **1009125842**
NE **913 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA 90220**
0.011 mi.
60 ft. **Site 2 of 4 in cluster A**

Relative: **Lower**

EDR Hist Cleaner

Actual: **81 ft.**

Year:	Name:	Type:
1962	EXCEL CLEANERS	Not reported

A3 **MAC S RADIATOR SERVICE** **EDR Hist Auto** **1009048091**
NNE **929 W COMPTON** **N/A**
< 1/8 **COMPTON, CA**
0.017 mi.
90 ft. **Site 3 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1951 MAC S RADIATOR SERVICE AUTOMOBILE RADIATOR REPAIRERS

A4 **FORST & SON** **EDR Hist Auto** **1009016987**
North **945 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA**
0.020 mi.
107 ft. **Site 4 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1947 FORST & SON AUTOMOBILE REPAIRING
1947 FORST & SON AUTOMOBILE REPAIRING

B5 **BLACKSHIRE & MARSHALL** **RCRA NonGen / NLR** **1000173572**
WNW **1011 W COMPTON BLVD** **FINDS** **CAD981685076**
< 1/8 **COMPTON, CA 90220** **ECHO**
0.020 mi.
108 ft. **Site 1 of 5 in cluster B**

Relative: RCRA NonGen / NLR:
Higher

Actual: Date form received by agency: 10/27/1986
83 ft. Facility name: BLACKSHIRE & MARSHALL
Facility address: 1011 W COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981685076
Mailing address: W COMPTON BLVD
COMPTON, CA 90220
Contact: ENVIRONMENTAL MANAGER
Contact address: 1011 W COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-632-9228
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BLACKSHIRE & MARSHALL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner

BLACKSHIRE & MARSHALL (Continued) **1000173572**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751996

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000173572
Registry ID: 110002751996
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002751996

6
NE
< 1/8
0.026 mi.
139 ft.

FASHION CLEANERS
901 W COMPTON
COMPTON, CA 90220

EDR Hist Cleaner **1009125864**
N/A

Relative:
Lower

Actual:
80 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1962	FASHION CLEANERS	Not reported

B7
WNW
< 1/8
0.029 mi.
155 ft.

HOOPER'S CARPETS
1001 W COMPTON BLVD
COMPTON, CA 90220
Site 2 of 5 in cluster B

UST **U004265836**
N/A

Relative:
Higher

Actual:
83 ft.

UST:

Facility ID:	LACoFA
Permitting Agency:	Los Angeles County Fire Department
Latitude:	33.8961
Longitude:	-118.24212

B8
WNW
< 1/8
0.031 mi.
162 ft.

SINCLAIR C B
1001 W COMPTON BLVD
COMPTON, CA
Site 3 of 5 in cluster B

EDR Hist Auto **1009015805**
N/A

Relative:
Higher

Actual:
83 ft.

EDR Hist Auto

Year:	Name:	Type:
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1951	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
2010	COOPERS AUTO	General Automotive Repair Shops

B9
WNW
< 1/8
0.031 mi.
162 ft.

HOOPER'S CARPET
1001 COMPTON BLVD W
COMPTON, CA 90220
Site 4 of 5 in cluster B

LUST **S117896754**
N/A

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006793
Global Id:	T10000006793
Latitude:	33.8961
Longitude:	-118.24211
Status:	Completed - Case Closed
Status Date:	01/25/2018
Case Worker:	MB
RB Case Number:	R-14568
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported

HOOPER'S CARPET (Continued) **S117896754**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000006793
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Reported

Global Id: T10000006793
Action Type: RESPONSE
Date: 06/08/2015
Action: Other Report / Document

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 06/02/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 01/25/2018
Action: Closure/No Further Action Letter

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Began

Global Id: T10000006793
Action Type: RESPONSE
Date: 08/14/2017
Action: Site Assessment Report

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 03/15/2017
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 05/04/2015
Action: Referral to Regional Board

Global Id: T10000006793
Action Type: RESPONSE

HOOPER'S CARPET (Continued) **S117896754**

Date: 02/22/2016
Action: Soil and Water Investigation Workplan

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 11/20/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 10/12/2017
Action: Notification - Preclosure

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Discovery

LUST:
Global Id: T10000006793
Status: Open - Case Begin Date
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Site Assessment
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Eligible for Closure
Status Date: 10/12/2017

Global Id: T10000006793
Status: Completed - Case Closed
Status Date: 01/25/2018

B10 **EXOTIC MOTEL** **SWEEPS UST** **S101584168**
West **1100 W COMPTON BLVD** **CA FID UST** **N/A**
< 1/8 **COMPTON, CA 90220** **LOS ANGELES CO. HMS**
0.050 mi.
266 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
84 ft.

SWEEPS UST:
Status: Active
Comp Number: 14599
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-10-89
Action Date: 11-10-89
Created Date: 11-10-89
Owner Tank Id: UL-E-583756
SWRCB Tank Id: 19-000-014599-000001
Tank Status: A
Capacity: 12000
Active Date: 11-10-89
Tank Use: OIL
STG: P

EXOTIC MOTEL (Continued) **S101584168**

Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19009158
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135671251
Mail To: Not reported
Mailing Address: 866 CALIFORNIA AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: COMPTON 90220
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 014105-014599
Facility Type: Not reported
Facility Status: Removed
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

11
West
< 1/8
0.090 mi.
473 ft.

JOE JOHNSON/VACANT LOT **SWEEPS UST** **S106927840**
1205 W COMPTON BLVD **N/A**
INGLEWOOD, CA

Relative: Higher

Actual: 85 ft.

SWEEPS UST:
Status: Active
Comp Number: 13335
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

C12
SSE
1/4-1/2
0.377 mi.
1992 ft.

Relative:
Higher

Actual:
87 ft.

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A &
901 WEST ALONDRA BLVD
COMPTON, CA 90220

Site 1 of 3 in cluster C

Database(s): SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS ANGELES CO. HMS, NPDES

EDR ID Number: U001562688
EPA ID Number: N/A

SWEEPS UST:

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	3

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: 6
SWRCB Tank Id: 19-000-013049-000006
Tank Status: A
Capacity: 1000
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Created Date: 06-30-89
Owner Tank Id: 7
SWRCB Tank Id: 19-000-013049-000007
Tank Status: A
Capacity: 500
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00027432
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027432.pdf
Region: STATE
Facility ID: 00000041390
Facility Type: Other
Other Type: GENERAL AVIATION AIR
Contact Name: Not reported
Telephone: 2136318140
Owner Name: COUNTY OF LOS ANGELES, DEPT. O
Owner Address: 550 S. VERMONT
Owner City,St,Zip: LOS ANGELES, CA 90020
Total Tanks: 0008

Tank Num: 001
Container Num: 1
Year Installed: 1970
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1970
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: 06

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1970
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	7
Year Installed:	1970
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	008
Container Num:	8
Year Installed:	1970
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	None

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Click here for Geo Tracker PDF:

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	1745
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-08082

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	007662-013049
Facility Type:	0
Facility Status:	Permit
Area:	2P
Permit Number:	00005237T
Permit Status:	Permit

Region:	LA
Permit Category:	Not reported
Facility Id:	007662-050956
Facility Type:	Not reported
Facility Status:	OPEN
Area:	2P
Permit Number:	Not reported
Permit Status:	Not reported

Region:	LA
Permit Category:	I
Facility Id:	007662-I08082
Facility Type:	01
Facility Status:	Closed
Area:	2P
Permit Number:	000010432
Permit Status:	Closed

Region:	LA
Permit Category:	I

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Facility Id: 007662-I08082
Facility Type: 01
Facility Status: Closed
Area: 2P
Permit Number: 00010433J
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 007662-008082
Facility Type: Not reported
Facility Status: OPEN
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	490554
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C381587
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/30/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Department of Public Works
Discharge Address:	PO Box 1460
Discharge City:	Alhambra
Discharge State:	California
Discharge Zip:	91802-1460
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	191256
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/25/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	American Airport Corp
Discharge Address:	2425 Olympic Blvd
Discharge City:	Santa Monica
Discharge State:	California
Discharge Zip:	90404
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	191256
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	09/25/2001
STATUS CODE NAME:	Active
STATUS DATE:	09/25/2001
PLACE SIZE:	77
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Lionardo Iniguez
FACILITY CONTACT TITLE:	Assistant Manager
FACILITY CONTACT PHONE:	310-631-8140
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	liniguez@americanairports.net
OPERATOR NAME:	American Airport Corp
OPERATOR ADDRESS:	2425 Olympic Blvd
OPERATOR CITY:	Santa Monica
OPERATOR STATE:	California
OPERATOR ZIP:	90404
OPERATOR CONTACT NAME:	Carlos Diaz
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-631-8140
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cdiaz@americanairports.net
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-631-8140
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	no
CERTIFIER NAME:	Carlos Diaz
CERTIFIER TITLE:	Airport Manager
CERTIFICATION DATE:	07-JUN-16
PRIMARY SIC:	4581-Airports, Flying Fields, and Airport Terminal Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

C13 **LA CO DPW COMPTON AIRPORT** **LUST** **S105034973**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**

Actual: **87 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792989
Global Id:	T0603792989
Latitude:	33.888737
Longitude:	-118.239565
Status:	Completed - Case Closed
Status Date:	08/25/2015
Case Worker:	JW
RB Case Number:	R-08082A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

LUST:

Global Id:	T0603792989
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603792989
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Phone Number: 6264583507

LUST:

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/03/2013
Action: Staff Letter

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/25/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 02/28/2003
Action: 13267 Requirement

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/14/2003
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: Other
Date: 06/15/2000
Action: Leak Reported

Global Id: T0603792989
Action Type: RESPONSE
Date: 09/15/2005
Action: Well Installation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: Other
Date: 10/17/1998
Action: Leak Discovery

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 07/28/2006
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2004
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: Closure/No Further Action Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/14/2012
Action: Remedial Progress Report

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/16/2001
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/03/2001
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2004
Action: Sensitive Receptor Survey Report

Global Id: T0603792989
Action Type: REMEDIATION
Date: 04/01/2009
Action: Soil Vapor Extraction (SVE)

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 03/28/2014
Action: Notification - Preclosure

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

LUST:
Global Id: T0603792989
Status: Open - Case Begin Date
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 02/25/1999

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Verification Monitoring
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 07/24/2000

Global Id: T0603792989
Status: Open - Remediation
Status Date: 01/17/2006

Global Id: T0603792989
Status: Open - Remediation
Status Date: 07/28/2006

Global Id: T0603792989
Status: Open - Eligible for Closure
Status Date: 06/10/2014

Global Id: T0603792989
Status: Completed - Case Closed
Status Date: 08/25/2015

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704769
Global Id:	T0603704769
Latitude:	33.888675
Longitude:	-118.239369
Status:	Completed - Case Closed
Status Date:	12/16/1994
Case Worker:	JOA
RB Case Number:	R-08082
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603704769
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704769
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704769
Action Type:	Other
Date:	02/27/1992
Action:	Leak Reported

LUST:

Global Id:	T0603704769
Status:	Open - Case Begin Date
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Open - Site Assessment
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Completed - Case Closed
Status Date:	12/16/1994

LUST REG 4:

Region:	4

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704769	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/27/1992
Date Leak Record Entered:	6/8/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		3/2/1992
Date the Case was Closed:		12/16/1994
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2624.92858702247185499175124 26
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		2/27/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	33.8885242 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

C14 **LA CO DPW COMPTON AIRPORT** **LUST** **U002281402**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
87 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082A	
Status:	Leak being confirmed	
Substance:	Perchlorethylene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		OT
Global ID:	T0603792989	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19000	
Cross Street:	WILMINGTON AVE	
Enforcement Type:	DLSEL	
Date Leak Discovered:	10/17/1998	
Date Leak First Reported:		6/15/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	7/24/2000	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/20/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Repair Tank	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	LA CO. PUBLIC WORKS	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2726.537498147868149698838 4725
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		3/7/1991
Preliminary Site Assessment Began:		2/25/1999
Pollution Characterization Began:		6/15/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		6/15/2000
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		6.2
Hist Max MTBE Conc in Soil:		1.39
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	REZA IZADI	
RP Address:	900 S. FREMONT AVE.	
Program:	LUST	
Lat/Long:	33.888737 / -1	
Local Agency Staff:	Not reported	

LA CO DPW COMPTON AIRPORT (Continued) **U002281402**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	37PPB PCE IN GW, NEED FULL REPORTS FOR LOW RISK REVIEW.

D15 **SHELL #204-1740-0304** **LUST** **S102436991**
SSE **803 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.467 mi.
2467 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
85 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703330
Global Id:	T0603703330
Latitude:	33.888781
Longitude:	-118.23741
Status:	Completed - Case Closed
Status Date:	10/16/1996
Case Worker:	YR
RB Case Number:	I-09002
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703330
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703330
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703330
Action Type:	Other
Date:	04/22/1993
Action:	Leak Reported

Global Id:	T0603703330
Action Type:	Other

SHELL #204-1740-0304 (Continued) **S102436991**

Date: 04/14/1993
Action: Leak Discovery

LUST:
Global Id: T0603703330
Status: Open - Case Begin Date
Status Date: 04/14/1993

Global Id: T0603703330
Status: Completed - Case Closed
Status Date: 10/16/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09002
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703330
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: WILMINGTON AVE
Enforcement Type: Not reported
Date Leak Discovered: 4/14/1993
Date Leak First Reported: 4/22/1993
Date Leak Record Entered: 3/8/1993
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/3/1997
Date the Case was Closed: 10/16/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2289.1109250912564268131725747
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported

SHELL #204-1740-0304 (Continued) **S102436991**

Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL PRODUCTS CO
RP Address: 3611 S HARBOR BLVD, SUITE 160, SANTA ANA CA 92704
Program: LUST
Lat/Long: 33.8887692 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 03/03/97 - WELL ABANDONMENT REPORT

D16
SSE
1/4-1/2
0.467 mi.
2467 ft.

SHELL #204-1740-0304
803 ALONDRA
COMPTON, CA 90220

Site 2 of 2 in cluster D

HIST CORTESE **S105126313**
N/A

Relative:
Higher

Actual:
85 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: Not reported
Reg By: Not reported
Reg Id: Not reported

17
West
1/4-1/2
0.476 mi.
2514 ft.

JOHNSON CONTROLS INC EPSD
1707 WEST COMPTON BLVD
COMPTON, CA 90220

RCRA-SQG **1000320800**
LUST **CAD981575061**
SWEEPS UST
FINDS
ECHO
HAZNET
HIST CORTESE
WDS

Relative:
Higher

Actual:
98 ft.

RCRA-SQG:
Date form received by agency: 11/04/1986
Facility name: JOHNSON CONTROLS INC EPSD
Facility address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981575061
Mailing address: P O BOX 4309
COMPTON, CA 90224
Contact: ENVIRONMENTAL MANAGER
Contact address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-537-7200
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOHNSON CONTROLS INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701244
Global Id:	T0603701244
Latitude:	33.896596
Longitude:	-118.250498

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Status: Completed - Case Closed
Status Date: 09/05/1996
Case Worker: YR
RB Case Number: 902200016
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701244
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701244
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701244
Action Type: Other
Date: 03/17/1986
Action: Leak Reported

LUST:
Global Id: T0603701244
Status: Open - Case Begin Date
Status Date: 03/17/1986

Global Id: T0603701244
Status: Open - Site Assessment
Status Date: 06/10/1988

Global Id: T0603701244
Status: Completed - Case Closed
Status Date: 09/05/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902200016
Status: Case Closed

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603701244	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CENTRAL	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/17/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/19/1998
Date the Case was Closed:		9/5/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	FORMER	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1246.62015003768946946278445 93
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/10/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOHNSON CONTROLS, INCORPORATED	
RP Address:	P.O. BOX 4309, COMPTON, CA 90224	
Program:	LUST	
Lat/Long:	33.8959122 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	*PLAN IS INADEQUATE: MORE INFORMATION IS NEEDED TEST INDICATE AIR & BOIREMEDIATION OPTIMUM TREATMENTASSIGNED CASE TO EH	15AUG95

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

SWEEPS UST:

Status:	Active
Comp Number:	10349
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

FINDS:

Registry ID: 110002720011

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000320800
Registry ID:	110002720011
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002720011

HAZNET:

envid:	1000320800
Year:	1995
GEPAID:	CAD981575061
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	P O BOX 4309
Mailing City,St,Zip:	COMPTON, CA 902240000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Tons: 2.5228
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000320800
Year: 1993
GEPAID: CAD981575061
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 4309
Mailing City,St,Zip: COMPTON, CA 902240000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 1.0425
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902200016

WDS:
Facility ID: Los Angeles River 191274001
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 4
Facility Telephone: 7144764321
Facility Contact: Ali Kashani
Agency Name: JOHNSON CONTROLS INC.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 3317
SIC Code 2: Not reported
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: CNWTRS
Waste Type2: H
Waste2: Contaminated Ground Water
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Secondary Waste: Contaminated Soil
Secondary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

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18 **A & P GAS** **LUST** **S113186799**
South **1050 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.487 mi.
2571 ft.

Relative: **Higher**

Actual: **92 ft.**

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004565
Global Id: T10000004565
Latitude: 33.888225547014
Longitude: -118.242279589176
Status: Completed - Case Closed
Status Date: 09/06/2016
Case Worker: AT
RB Case Number: R-14686
Local Agency: LOS ANGELES COUNTY
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Soil, Under Investigation
Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Toluene, Xylene
Site History: Not reported

LUST:
Global Id: T10000004565
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T10000004565
Contact Type: Local Agency Caseworker
Contact Name: LUKE MITCHELL
Organization Name: LOS ANGELES COUNTY

A & P GAS (Continued) **S113186799**

Address: 900 S Fremont Ave
City: ALHAMBRA
Email: lmitchell@dpw.lacounty.gov
Phone Number: 6264583510

LUST:
Global Id: T10000004565
Action Type: Other
Date: 01/31/2013
Action: Leak Reported

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/09/2013
Action: Staff Letter

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 03/13/2013
Action: Referral to Regional Board

Global Id: T10000004565
Action Type: REMEDIATION
Date: 10/09/2012
Action: Excavation

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Stopped

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/24/2013
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 09/06/2016
Action: Closure/No Further Action Letter

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Began

Global Id: T10000004565
Action Type: RESPONSE
Date: 07/05/2016
Action: Correspondence

Global Id: T10000004565
Action Type: RESPONSE
Date: 03/29/2013
Action: Site Assessment Report

Global Id: T10000004565

A & P GAS (Continued) **S113186799**

Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Discovery

LUST:
Global Id: T10000004565
Status: Open - Case Begin Date
Status Date: 10/09/2012

Global Id: T10000004565
Status: Open - Assessment & Interim Remedial Action
Status Date: 01/30/2013

Global Id: T10000004565
Status: Open - Eligible for Closure
Status Date: 04/12/2013

Global Id: T10000004565
Status: Completed - Case Closed
Status Date: 09/06/2016

19
East
1/2-1
0.620 mi.
3274 ft.

413 WEST COMPTON BOULEVARD **ENVIROSTOR** **S113883342**
413 WEST COMPTON BOULEVARD **N/A**
COMPTON, CA 90220

Relative:
Lower

Actual:
70 ft.

ENVIROSTOR:
Facility ID: 60001929
Status: No Action Required
Status Date: 07/09/2014
Site Code: 301635
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Maryam Tasnif-Abbasi
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.89621
Longitude: -118.2293
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301635
Alias Type: Project Code (Site Code)
Alias Name: 60001929
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/28/2014
Comments: Tech Memo Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/12/2013
Comments: Start Work Order issued on 11/12/2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/29/2013
Comments: Contract Fully Executed. Contract Term is 11/1/2013 to 04/30/2014.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 60001914
Status: Inactive - Needs Evaluation
Status Date: 05/29/2014
Site Code: 301582
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Lead Agency:	SMBRP
Program Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	64
Senate:	Not reported
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301582
Alias Type:	Project Code (Site Code)
Alias Name:	60001914
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	01/02/2014
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

20
NNE
1/2-1
0.700 mi.
3698 ft.

UNIFORM RENTAL SERVICES **ENVIROSTOR** **S106797587**
730 E. 139TH ST. **N/A**
COMPTON, CA 90222

Relative:
Lower

Actual:
78 ft.

ENVIROSTOR:

Facility ID:	19720038
Status:	Refer: 1248 Local Agency
Status Date:	09/06/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned

UNIFORM RENTAL SERVICES (Continued) **S106797587**

Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90568
Longitude: -118.2376
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720038
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

21
WNW
1/2-1
0.742 mi.
3920 ft.

PLAZA CLEANERS
1904 W. ROSECRANS AVE.
COMPTON, CA 90220

ENVIROSTOR
DRYCLEANERS
EMI

S103638397
N/A

Relative:
Higher

Actual:
103 ft.

ENVIROSTOR:
Facility ID: 19720019
Status: Refer: 1248 Local Agency
Status Date: 09/07/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO

PLAZA CLEANERS (Continued) **S103638397**

Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90199
Longitude: -118.2517
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DRYCLEANERS:
EPA Id: CAL000025358
NAICS Code: 812331
NAICS Description: Linen Supply
SIC Code: 7213
SIC Description: Linen Supply
Create Date: 05/10/1990
Facility Active: No
Inactive Date: 12/05/2016
Facility Addr2: Not reported
Owner Name: CHUN CHOONG CHA
Owner Address: 1904 W ROSECRANS
Owner Address 2: Not reported
Owner Telephone: 3106325765
Contact Name: CHOONG CHUN
Contact Address: 1904 W ROSECRANS
Contact Address 2: Not reported
Contact Telephone: 3106325765
Mailing Name: Not reported
Mailing Address 1: 1904 W ROSECRANS
Mailing Address 2: Not reported
Mailing City: COMPTON
Mailing State: CA
Mailing Zip: 902200000
Owner Fax: 0000000000
Region Code: 3

PLAZA CLEANERS (Continued) **S103638397**

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

22
NNW
1/2-1
0.986 mi.
5205 ft.

CENTRAL AIRPORT **ENVIROSTOR** **S107736100**
N/A

COMPTON, CA

Relative:
Higher

Actual:
91 ft.

ENVIROSTOR:

Facility ID:	80000846
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35

CENTRAL AIRPORT (Continued) **S107736100**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.90833
Longitude: -118.25
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996700
Alias Type: Federal Facility ID
Alias Name: J09CA7144
Alias Type: INPR
Alias Name: 80000846
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S106386953	DOMINGUEZ ENERGY REYES LEASE - ARE	WILMINGTON	90746	SLIC
COMPTON	S107538181		CORNER OF PINE ST AND COMPTON		CDL
COMPTON	S117037728		NW CORNER OF W ROSECRANS AVE &	90222	CDL
COMPTON	S107540291		POLICE ALLEY BEHIND 637 W COMP	90220	CDL
WILLOWBROOK	S102432239	KING/DREW MEDICAL MAGNET	COMPTON AVE	90059	LUST, HIST CORTESE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/02/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/26/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/16/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 46

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/08/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/29/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 51

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/06/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 12

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 20

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 50

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/15/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 64

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 29
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 16
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

930 COMPTON BOULEVARD
930 COMPTON BOULEVARD
COMPTON, CA 90220

TARGET PROPERTY COORDINATES

Latitude (North):	33.895486 - 33° 53' 43.75''
Longitude (West):	118.24094 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

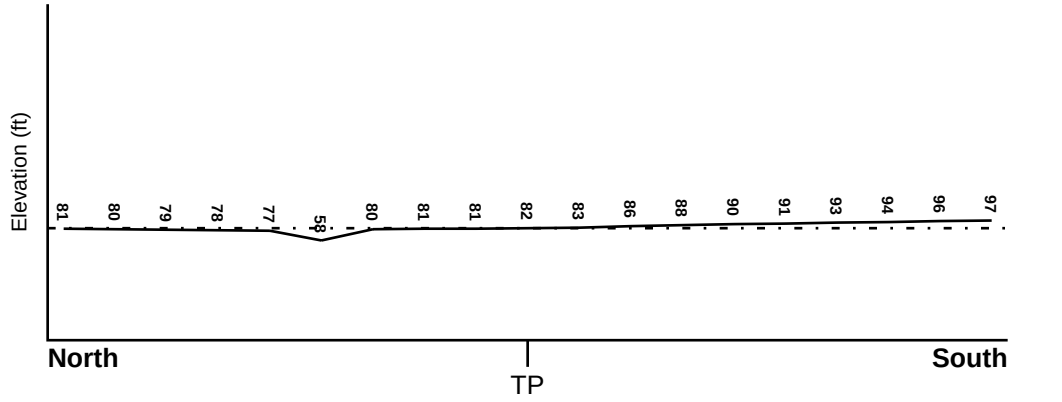
TOPOGRAPHIC INFORMATION

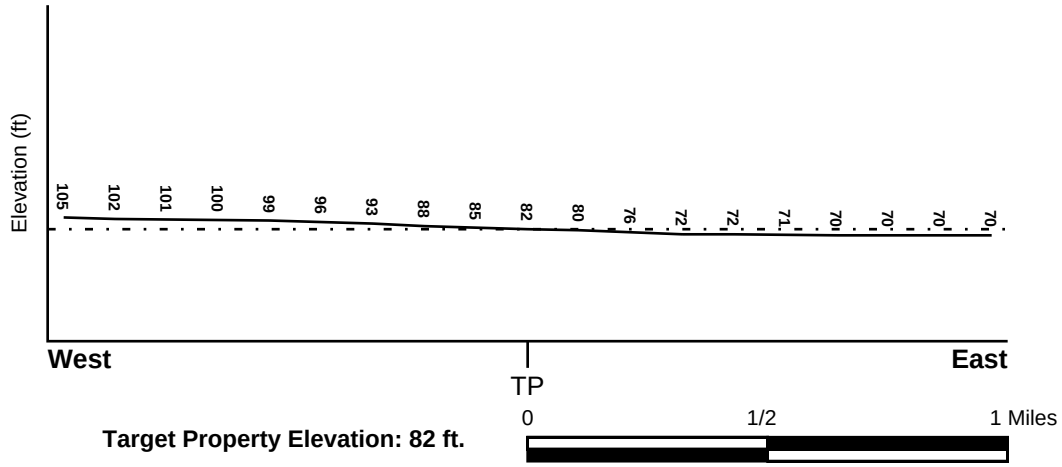
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 82 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1815F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1795F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SOUTH GATE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
25	1/2 - 1 Mile NE	Not Reported
1G	1/2 - 1 Mile NE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000138868	1/4 - 1/2 Mile NNW
2	USGS40000138856	1/4 - 1/2 Mile NE
A3	USGS40000138863	1/4 - 1/2 Mile NNW
B4	USGS40000138825	1/4 - 1/2 Mile ESE
B5	USGS40000138821	1/4 - 1/2 Mile ESE
B6	USGS40000138820	1/4 - 1/2 Mile ESE
B7	USGS40000138822	1/4 - 1/2 Mile ESE
B8	USGS40000138824	1/4 - 1/2 Mile ESE
B9	USGS40000138823	1/4 - 1/2 Mile ESE
16	USGS40000138860	1/2 - 1 Mile WNW
D17	USGS40000138790	1/2 - 1 Mile South
20	USGS40000138909	1/2 - 1 Mile NNW
21	USGS40000138912	1/2 - 1 Mile NNE
22	USGS40000138803	1/2 - 1 Mile SE
26	USGS40000138921	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C10	4131	1/4 - 1/2 Mile NE
C11	4127	1/4 - 1/2 Mile NE
C12	4132	1/4 - 1/2 Mile NE
C13	4134	1/4 - 1/2 Mile NE
C14	4133	1/4 - 1/2 Mile NE
C15	4126	1/4 - 1/2 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

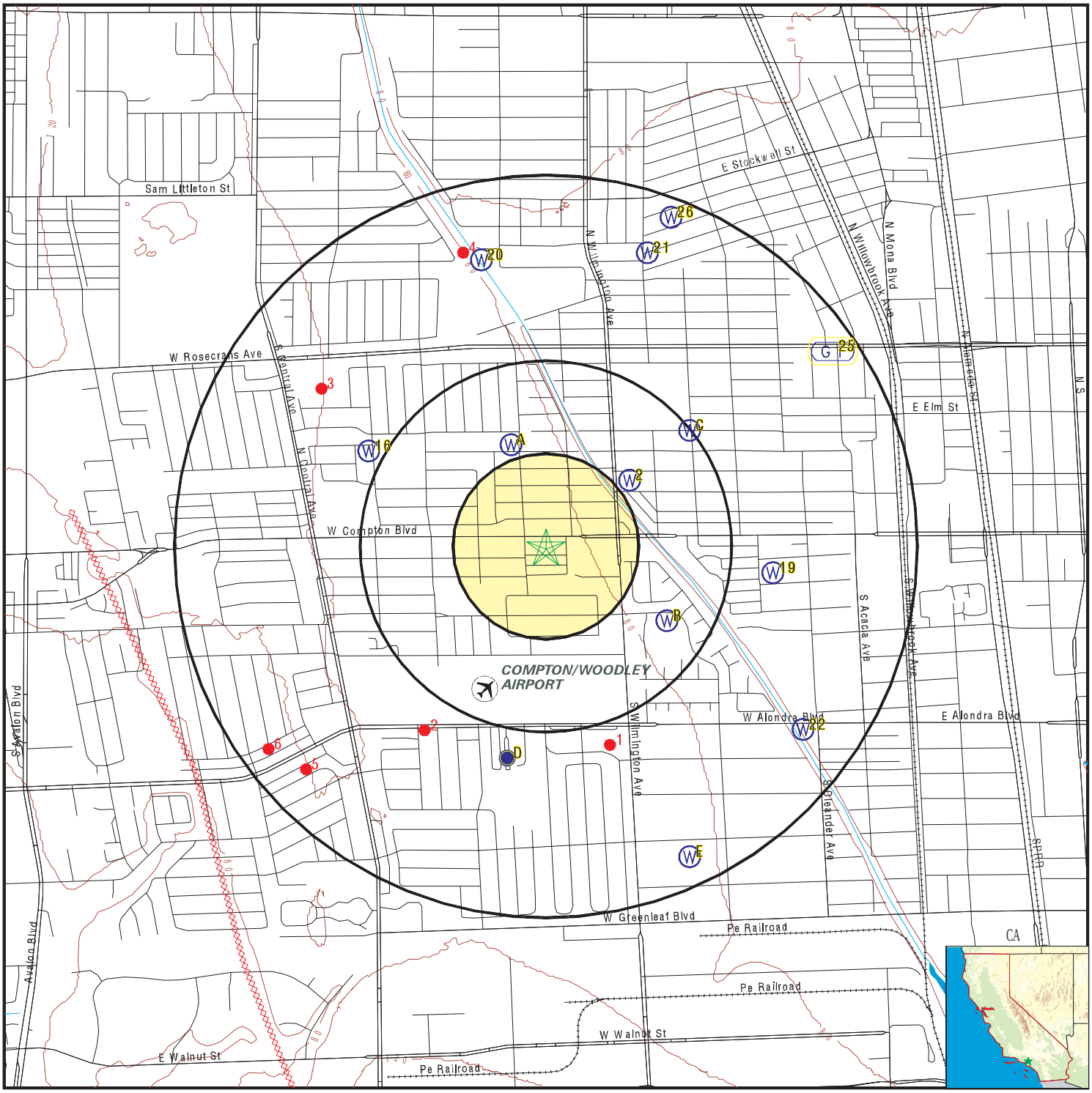
MAP ID	WELL ID	LOCATION FROM TP
D18	CADW60000031115	1/2 - 1 Mile SSW
19	14213	1/2 - 1 Mile East
E23	4135	1/2 - 1 Mile SSE
E24	4154	1/2 - 1 Mile SSE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204626	1/2 - 1 Mile SSE
2	CAOG11000204888	1/2 - 1 Mile SSW
3	CAOG11000204647	1/2 - 1 Mile NW
4	CAOG11000204579	1/2 - 1 Mile NNW
5	CAOG11000204709	1/2 - 1 Mile SW
6	CAOG11000204561	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 5253592.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	930 Compton Boulevard	CLIENT:	Stantec
ADDRESS:	930 Compton Boulevard Compton CA 90220	CONTACT:	Alicia Jansen
LAT/LONG:	33.895486 / 118.24094	INQUIRY #:	5253592.2s
		DATE:	April 11, 2018 8:10 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138868**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335358118142801		
Monloc name:	003S013W21A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994605
Longitude:	-118.2420164	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	200
Welldepth units:	ft	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138856**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335353118141001		
Monloc name:	003S013W22E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8980716
Longitude:	-118.2370162	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	596
Welldepth units:	ft	Wellholedepth:	640
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A3
NNW **FED USGS** **USGS40000138863**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335357118143501		
Monloc name:	003S013W21B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994556
Longitude:	-118.2431222	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19481222	Welldepth:	442
Welldepth units:	ft	Wellholedepth:	495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B4
ESE **FED USGS** **USGS40000138825**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140606		
Monloc name:	003S013W22M007S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	170
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B5
ESE **FED USGS** **USGS40000138821**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140602		
Monloc name:	003S013W22M003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	850
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B6
ESE **FED USGS** **USGS40000138820**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140601		
Monloc name:	003S013W22M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	1495
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B7
ESE **FED USGS** **USGS40000138822**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140603		
Monloc name:	003S013W22M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	605
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B8
ESE **FED USGS** **USGS40000138824**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140605		
Monloc name:	003S013W22M006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	315
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B9
ESE **FED USGS** **USGS40000138823**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140604		
Monloc name:	003S013W22M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	400
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C10
NE **CA WELLS** **4131**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-16K01 S	User ID:	4TH
FRDS Number:	1910021004	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 12-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	06-JUN-13	Findings:	0.498 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	06-JUN-13	Findings:	5.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	06-JUN-13	Findings:	0.178 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	06-JUN-13	Findings:	0.405 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	06-JUN-13	Findings:	6.26 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06-JUN-13	Findings:	0.41 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	4.8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06-JUN-13	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		

C11
NE **CA WELLS** **4127**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M05 S	User ID:	4TH
FRDS Number:	1910147005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 05		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:			
	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	17-JAN-12	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-JAN-12	Findings:	0.78 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	13-FEB-12	Findings:	17.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	23-APR-12	Findings:	19.2 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	23-APR-12	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	23-APR-12	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	14-MAY-12	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	21. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	19.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	42. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-OCT-12	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-NOV-12	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-13	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	18.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-MAR-13	Findings:	18.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	22-APR-13	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		

Sample Collected:	20-MAY-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-JUN-13	Findings:	21.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	22.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-AUG-13	Findings:	22.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-SEP-13	Findings:	21.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	620. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	21-OCT-13	Findings:	7.71
Chemical:	PH, LABORATORY		
Sample Collected:	21-OCT-13	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	21-OCT-13	Findings:	250. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	21-OCT-13	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	21-OCT-13	Findings:	40. MG/L
Chemical:	SODIUM		
Sample Collected:	21-OCT-13	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	21-OCT-13	Findings:	35. MG/L
Chemical:	CHLORIDE		
Sample Collected:	21-OCT-13	Findings:	91. MG/L
Chemical:	SULFATE		
Sample Collected:	21-OCT-13	Findings:	0.39 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	21-OCT-13	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	21-OCT-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	21-OCT-13	Findings:	400. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	21-OCT-13	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	21-OCT-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	21-OCT-13	Findings:	640. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	21-OCT-13	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	12-NOV-13	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-14	Findings:	0.59 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	14-JAN-14	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-APR-14	Findings:	0.62 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07-APR-14	Findings:	1.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-APR-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-JUL-14	Findings:	25. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-JUL-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-OCT-14	Findings:	0.55 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06-OCT-14	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-OCT-14	Findings:	1.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	26-FEB-15	Findings:	0.7 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-MAR-15	Findings:	0.559 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	02-MAR-15	Findings:	8.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	02-MAR-15	Findings:	0.142 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	02-MAR-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	02-MAR-15	Findings:	44. UG/L
Chemical:	MANGANESE		

Sample Collected:	02-MAR-15	Findings:	5.82 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02-MAR-15	Findings:	0.327 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02-MAR-15	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	02-MAR-15	Findings:	1.e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06-APR-15	Findings:	53. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-MAY-15	Findings:	21. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-JUN-15	Findings:	46. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	50. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	1.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	03-AUG-15	Findings:	58. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-15	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	04-JAN-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-FEB-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-APR-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	09-MAY-16	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-JUN-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	11-JUL-16	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-AUG-16	Findings:	0.49 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-SEP-16	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	590. US
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	03-OCT-16	Findings:	7.87
Chemical:	PH, LABORATORY		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03-OCT-16	Findings:	210. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	64. MG/L
Chemical:	CALCIUM		
Sample Collected:	03-OCT-16	Findings:	13. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03-OCT-16	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	03-OCT-16	Findings:	3.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03-OCT-16	Findings:	30. MG/L
Chemical:	CHLORIDE		
Sample Collected:	03-OCT-16	Findings:	83. MG/L
Chemical:	SULFATE		
Sample Collected:	03-OCT-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03-OCT-16	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	03-OCT-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	350. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03-OCT-16	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-DEC-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-FEB-17	Findings:	22. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-MAR-17	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-MAY-17	Findings:	0.63 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05-JUN-17	Findings:	42. UG/L
Chemical:	MANGANESE		

C12
NE
1/4 - 1/2 Mile
Lower

CA WELLS **4132**

Water System Information:

Prime Station Code:	03S/13W-21A01 S	User ID:	4TH
FRDS Number:	1910021005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-A - DESTROYED		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C13
NE **CA WELLS** **4134**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21C06 S	User ID:	4TH
FRDS Number:	1910021006	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C14
NE **CA WELLS** **4133**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21B01 S	User ID:	4TH
FRDS Number:	1910021007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-C		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	28-JUN-12	Findings:	1. UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-AUG-12	Findings:	0.8 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	14-FEB-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-MAR-13	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-APR-13	Findings:	0.74 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10-APR-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	870. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02-FEB-12	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02-FEB-12	Findings:	340. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	99. MG/L
Chemical:	CALCIUM		
Sample Collected:	02-FEB-12	Findings:	22. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02-FEB-12	Findings:	52. MG/L
Chemical:	SODIUM		
Sample Collected:	02-FEB-12	Findings:	3.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02-FEB-12	Findings:	81. MG/L
Chemical:	CHLORIDE		
Sample Collected:	02-FEB-12	Findings:	150. MG/L
Chemical:	SULFATE		
Sample Collected:	02-FEB-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02-FEB-12	Findings:	2.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	02-FEB-12	Findings:	160. UG/L
Chemical:	IRON		
Sample Collected:	02-FEB-12	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	540. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	02-FEB-12	Findings:	1.02
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	02-FEB-12	Findings:	0.38 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	23-FEB-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-MAR-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		

C15
NE **CA WELLS** **4126**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M04 S	User ID:	4TH
FRDS Number:	1910147001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 02		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	06-OCT-14	Findings:	600. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-OCT-14	Findings:	7.82
Chemical:	PH, LABORATORY		
Sample Collected:	06-OCT-14	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	221. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	65.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	06-OCT-14	Findings:	13.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-OCT-14	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	06-OCT-14	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06-OCT-14	Findings:	30. MG/L
Chemical:	CHLORIDE		

Sample Collected:	06-OCT-14	Findings:	79. MG/L
Chemical:	SULFATE		
Sample Collected:	06-OCT-14	Findings:	5.7e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	06-OCT-14	Findings:	360. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-OCT-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-JAN-15	Findings:	0.758 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-JAN-15	Findings:	0.222 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	05-JAN-15	Findings:	0.188 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	05-JAN-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	05-JAN-15	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05-JAN-15	Findings:	0.35 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	4.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05-JAN-15	Findings:	0.69 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-JAN-15	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04-APR-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04-APR-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-MAY-16	Findings:	200. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUN-16	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	30-SEP-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	30-SEP-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	30-SEP-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-MAR-17	Findings:	130. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	62. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	22.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	22-APR-13	Findings:	20.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.41 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	22-APR-13	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	18-JUN-13	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		

16
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138860**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335356118145801		
Monloc name:	003S013W21C006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8992167
Longitude:	-118.249236	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	395
Welldepth units:	ft	Wellholedepth:	481
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D17
South **FED USGS** **USGS40000138790**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335314118142901		
Monloc name:	003S013W21R003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8872385
Longitude:	-118.242294	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	90
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19520619	Welldepth:	470
Welldepth units:	ft	Wellholedepth:	470
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-09-14	122.45	

D18
SSW **CA WELLS** **CADW60000031115**
1/2 - 1 Mile
Higher

Objectid:	31115
Latitude:	33.8872
Longitude:	-118.2432
Site code:	338872N1182432W001
State well numbe:	03S13W21R003S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles

Basin code:	'4-11.04'
Basin desc:	Central
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000031115

19
East
1/2 - 1 Mile
Lower

CA WELLS **14213**

Water System Information:

Prime Station Code:	1910026-015	User ID:	4TH
FRDS Number:	1910026015	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335340.0 1181346.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 17		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:	205 S WILLOWBROOK AVE COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		
Sample Collected:	16-APR-12	Findings:	19. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	700. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-12	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-12	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	79. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-12	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-12	Findings:	44. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-12	Findings:	3.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-12	Findings:	54. MG/L
Chemical:	CHLORIDE		

Sample Collected:	16-APR-12	Findings:	99. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-12	Findings:	3. UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-12	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-12	Findings:	650. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-12	Findings:	430. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-12	Findings:	3.9 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03-MAY-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	03-MAY-12	Findings:	740. UG/L
Chemical:	ALUMINUM		
Sample Collected:	18-SEP-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	16-DEC-13	Findings:	2.14 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	16-DEC-13	Findings:	1.95 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	16-APR-15	Findings:	770. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-15	Findings:	7.86
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-15	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

Sample Collected:	16-APR-15	Findings:	230. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-15	Findings:	280. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-15	Findings:	84. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-15	Findings:	17. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-15	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-15	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-15	Findings:	68. MG/L
Chemical:	CHLORIDE		
Sample Collected:	16-APR-15	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-15	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-15	Findings:	3.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-15	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-15	Findings:	530. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-15	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	500. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-15	Findings:	480. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-15	Findings:	6.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	16-APR-15	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

20
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000138909**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335424118143501		
Monloc name:	003S013W16K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9066826
Longitude:	-118.243961	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	230
Welldepth units:	ft	Wellholedepth:	270
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

21
NNE **FED USGS** **USGS40000138912**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335425118140701		
Monloc name:	003S013W15M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9069603
Longitude:	-118.236183	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	443
Welldepth units:	ft	Wellholedepth:	445
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
SE **FED USGS** **USGS40000138803**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335318118134401		
Monloc name:	003S013W22Q004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8883333
Longitude:	-118.2288889	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	65
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	642
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E23
SSE **CA WELLS 4135**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-21R03 S	User ID:	4TH
FRDS Number:	1910021010	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 31-A - INACTIVE		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

E24
SSE **CA WELLS 4154**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-27E02 S	User ID:	4TH
FRDS Number:	1910026009	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 11		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:			
	205 S WILLOWBROOK AVE		
	COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		

Sample Collected:	17-JAN-12	Findings:	370. UG/L
Chemical:	IRON		
Sample Collected:	17-JAN-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-FEB-12	Findings:	20.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-FEB-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-MAR-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	26-MAR-12	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-MAY-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-MAY-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	390. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-12	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-JUL-12	Findings:	21.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-JUL-12	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-AUG-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	22.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	24.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	120. UG/L
Chemical:	IRON		

Sample Collected:	15-OCT-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-NOV-12	Findings:	18. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-NOV-12	Findings:	430. UG/L
Chemical:	IRON		
Sample Collected:	19-NOV-12	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-DEC-12	Findings:	17.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	960. UG/L
Chemical:	IRON		
Sample Collected:	17-DEC-12	Findings:	52. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	690. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	31-OCT-14	Findings:	7.83
Chemical:	PH, LABORATORY		
Sample Collected:	31-OCT-14	Findings:	210. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	80. MG/L
Chemical:	CALCIUM		
Sample Collected:	31-OCT-14	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	31-OCT-14	Findings:	50. MG/L
Chemical:	SODIUM		
Sample Collected:	31-OCT-14	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	31-OCT-14	Findings:	44. MG/L
Chemical:	CHLORIDE		
Sample Collected:	31-OCT-14	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	31-OCT-14	Findings:	0.23 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	31-OCT-14	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	6.e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	31-OCT-14	Findings:	440. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	31-OCT-14	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	26-NOV-14	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-DEC-14	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-JAN-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-FEB-15	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-MAR-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-MAY-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-JUN-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JUL-15	Findings:	180. UG/L
Chemical:	IRON		
Sample Collected:	24-JUL-15	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-AUG-15	Findings:	260. UG/L
Chemical:	IRON		
Sample Collected:	27-AUG-15	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-SEP-15	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-OCT-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-NOV-15	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	20-NOV-15	Findings:	56. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-DEC-15	Findings:	190. UG/L
Chemical:	IRON		
Sample Collected:	29-DEC-15	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JAN-16	Findings:	140. UG/L
Chemical:	IRON		
Sample Collected:	27-JAN-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-MAR-16	Findings:	190. UG/L
Chemical:	IRON		

Sample Collected:	16-MAR-16	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-MAR-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-APR-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-JUN-16	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-JUL-16	Findings:	300. UG/L
Chemical:	IRON		
Sample Collected:	15-JUL-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-SEP-16	Findings:	320. UG/L
Chemical:	IRON		
Sample Collected:	14-SEP-16	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-NOV-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-DEC-16	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JAN-17	Findings:	150. UG/L
Chemical:	IRON		
Sample Collected:	24-JAN-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-MAY-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-17	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-17	Findings:	37. UG/L
Chemical:	MANGANESE		

25
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

26
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138921**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335430118140301		
Monloc name:	003S013W15M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9083492
Longitude:	-118.2350719	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	445
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

1G
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **CAOG11000204626**
1/2 - 1 Mile

District nun:	1	Api number:	03705359
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Dominguez Extension Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	22
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204626		

2
SSW **OIL_GAS** **CAOG11000204888**
1/2 - 1 Mile

District nun:	1	Api number:	03705741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Woodley-Comptom	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000204888		

3
NW **OIL_GAS** **CAOG11000204647**
1/2 - 1 Mile

District nun:	1	Api number:	03705393
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Federal Oil Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Barnes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204647		

4
NNW **OIL_GAS** **CAOG11000204579**
1/2 - 1 Mile

District nun:	1	Api number:	03705295
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. U. Combs		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	16
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204579		

5
SW **OIL_GAS** **CAOG11000204709**
1/2 - 1 Mile

District nun:	1	Api number:	03705488
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	28
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Central Heights	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204709		

6
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000204561**

District nun:	1	Api number:	03705271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Central Heights Oil Co. Ltd.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Veach	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204561		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90220	4	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E HISTORICAL RECORDS

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.3

April 11, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.3

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0230-4821-8DF0

PO # NA

Project NA

Maps Provided:

1938

Sanborn® Library search results

Certification #: 0230-4821-8DF0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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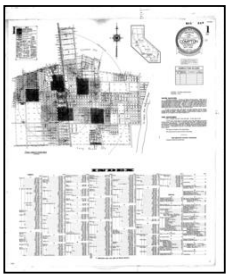
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1938 Source Sheets

Volume 1, Sheet 6
1938

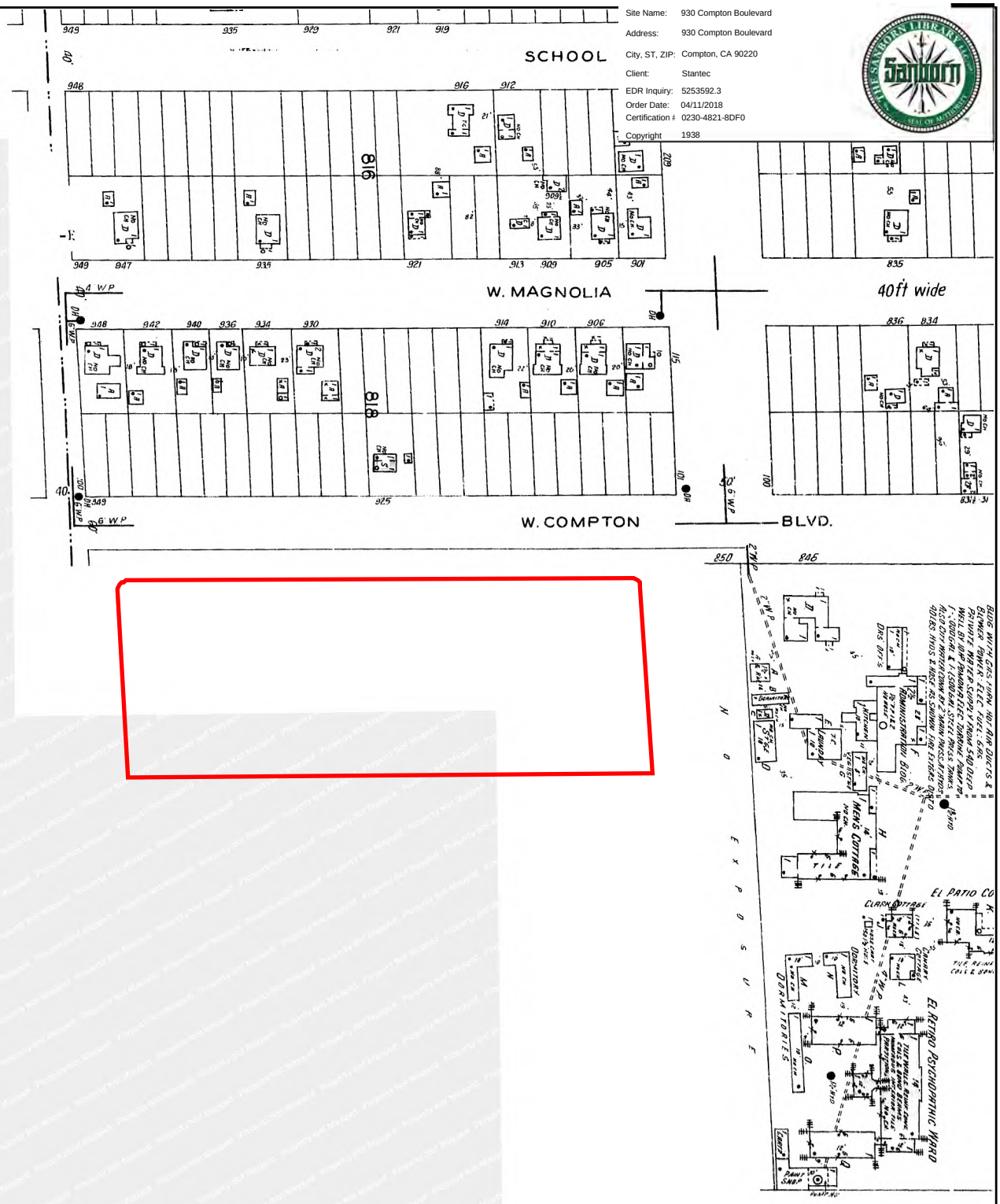
Volume 1, Sheet 26
1938



Volume 1, Sheet 1
1938

Volume 1, Sheet 6
1938

Site Name: 930 Compton Boulevard
Address: 930 Compton Boulevard
City, ST, ZIP: Compton, CA 90220
Client: Stantec
EDR Inquiry: 5253592.3
Order Date: 04/11/2018
Certification #: 0230-4821-8DF0
Copyright 1938



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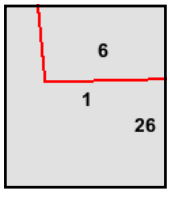
Certification # 0230-4821-8DF0

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 6
Volume 1, Sheet 1
Volume 1, Sheet 26
Volume 1, Sheet 6

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.4

April 10, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/10/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.4

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	33.895486 33° 53' 44" North
Longitude:	-118.24094 -118° 14' 27" West
UTM Zone:	Zone 11 North
UTM X Meters:	385258.30
UTM Y Meters:	3751260.79
Elevation:	82.00' above sea level

Maps Provided:

2012	1942
1981	1937
1972	1930
1964	1924
1952	1923
1949, 1950, 1951	1902
1947, 1948	1899
1943	1896

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

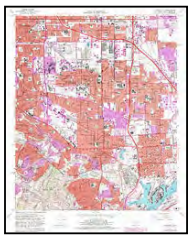
South Gate
2012
7.5-minute, 24000

Inglewood
2012
7.5-minute, 24000

Long Beach
2012
7.5-minute, 24000

Torrance
2012
7.5-minute, 24000

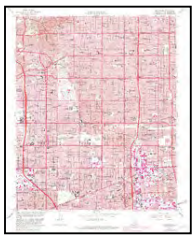
1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978

South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

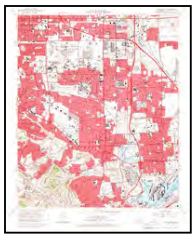
Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets

South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Inglewood
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963

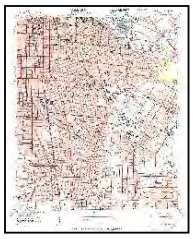


Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



SOUTH GATE
1952
7.5-minute, 24000

Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1949, 1950, 1951 Source Sheets

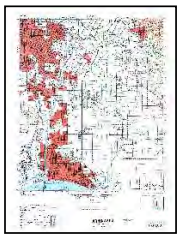
Long Beach
1949
7.5-minute, 24000

South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947

Inglewood
1950
7.5-minute, 24000
Aerial Photo Revised 1947

Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

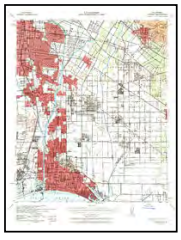
1947, 1948 Source Sheets



DOWNEY
1947
15-minute, 50000

REDONDO
1948
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets

Downey
1942
15-minute, 62500

1937 Source Sheets

Watts
1937
7.5-minute, 24000

1930 Source Sheets

Compton
1930
7.5-minute, 24000

1924 Source Sheets

Watts
1924
7.5-minute, 24000

Compton
1924
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets

Watts
1923
7.5-minute, 24000

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

Downey
1899
15-minute, 62500

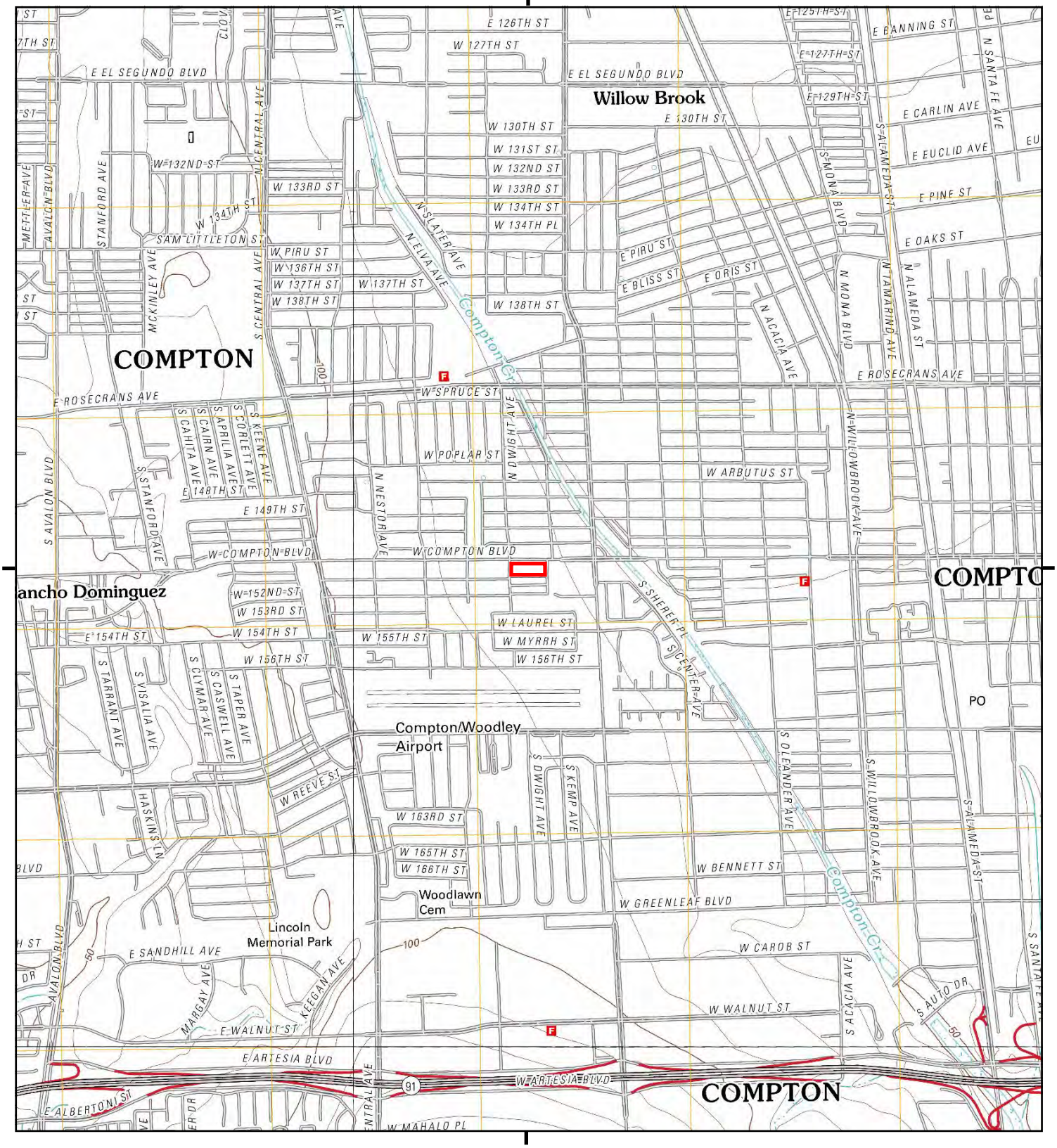
1896 Source Sheets

Downey
1896
15-minute, 62500

Redondo
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

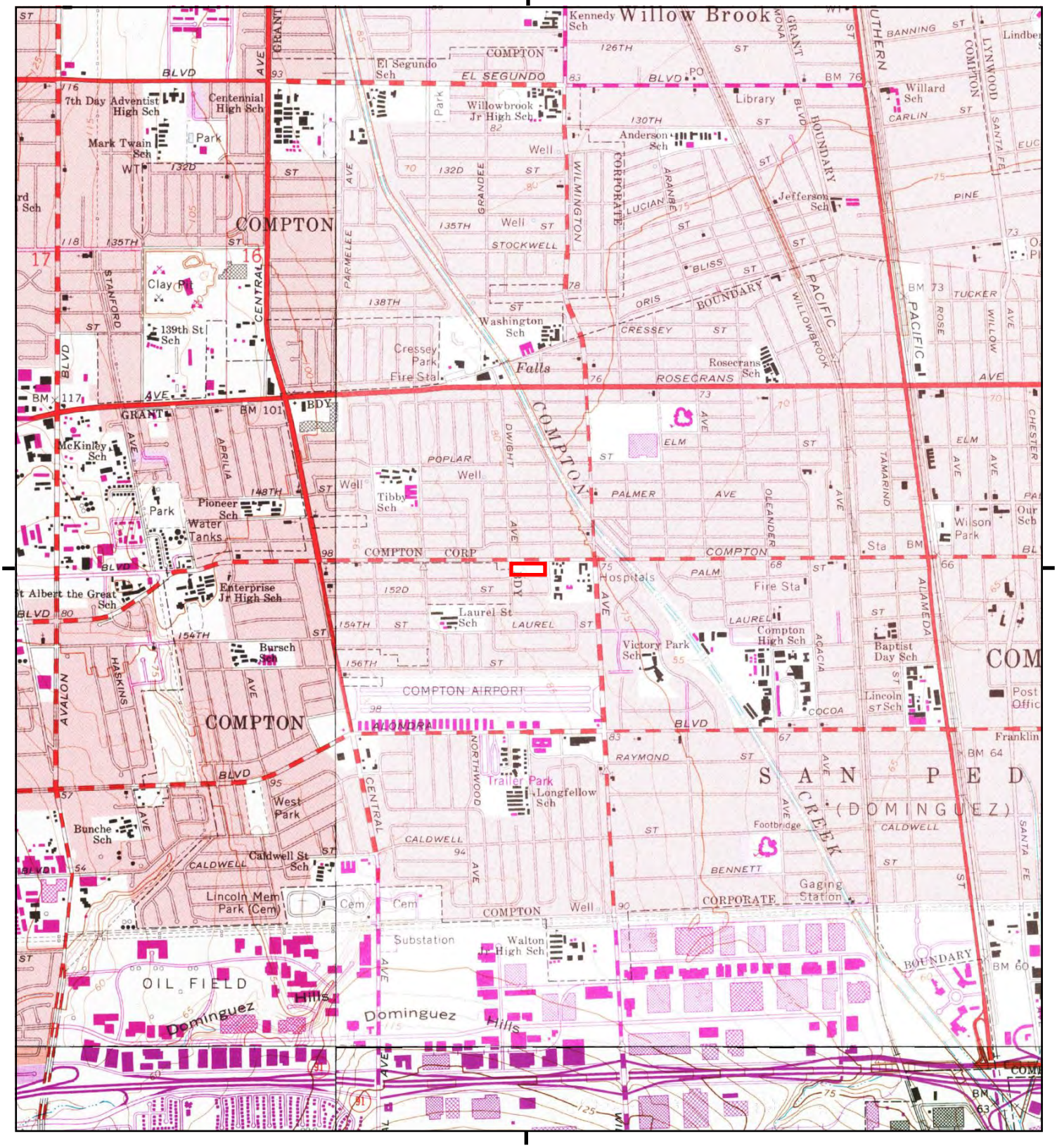
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

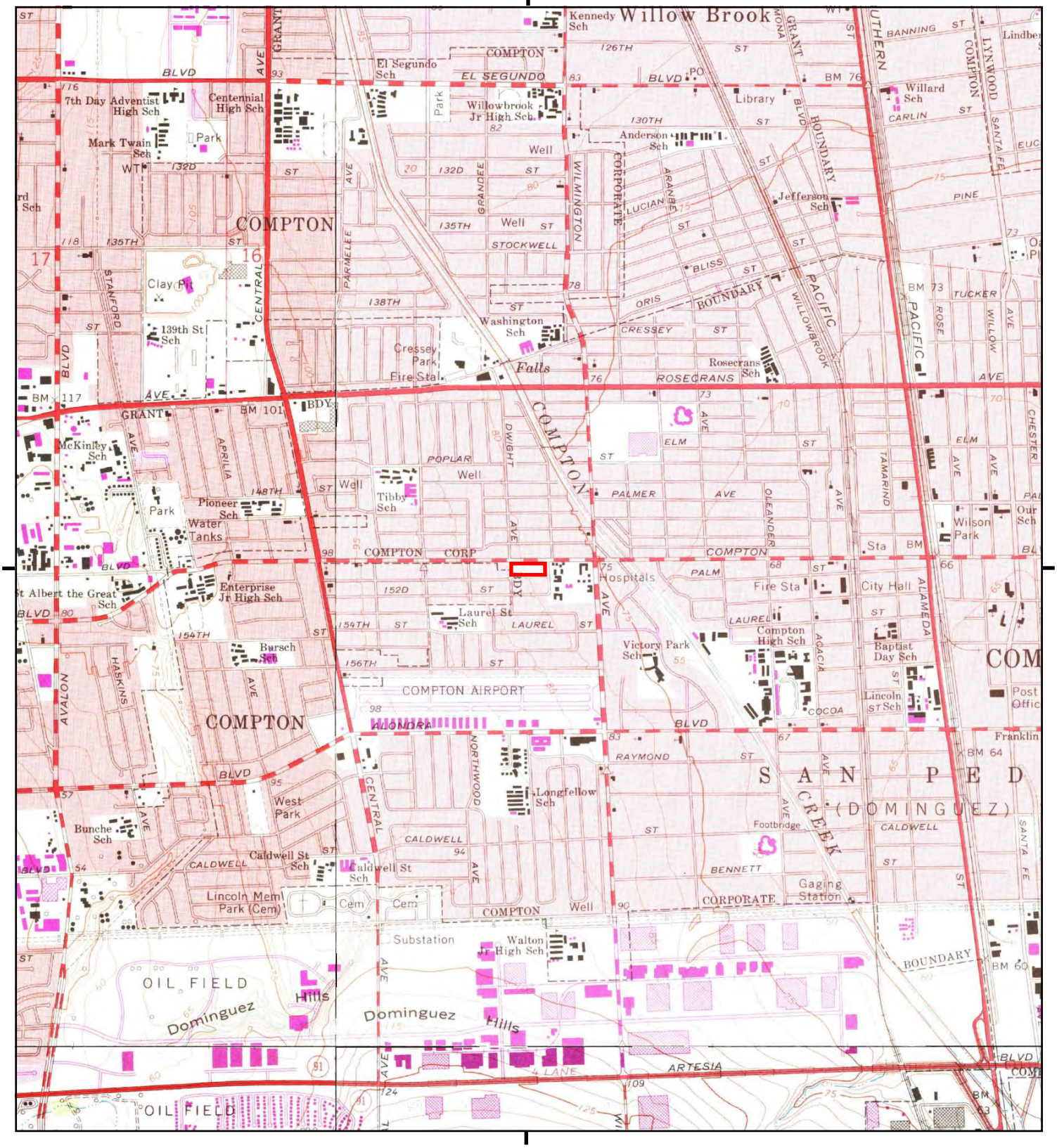
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1981, 7.5-minute
SE, Long Beach, 1981, 7.5-minute
SW, Torrance, 1981, 7.5-minute
NW, Inglewood, 1981, 7.5-minute

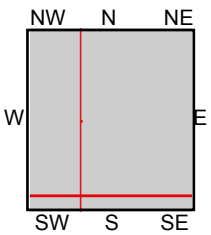
SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

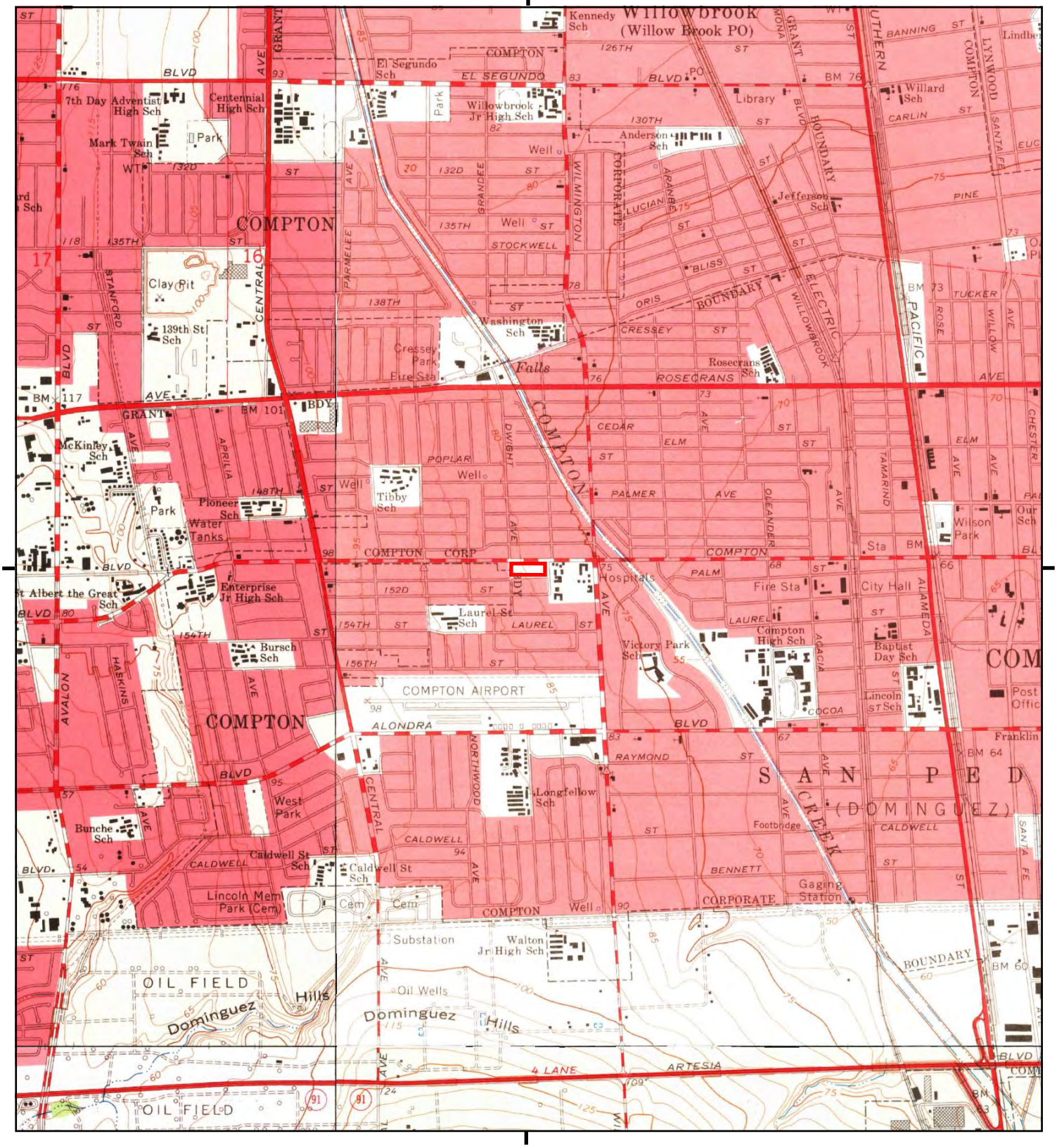
0 Miles 0.25 0.5 1 1.5



TP, South Gate, 1972, 7.5-minute
SE, Long Beach, 1972, 7.5-minute
SW, Torrance, 1972, 7.5-minute
NW, Inglewood, 1972, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

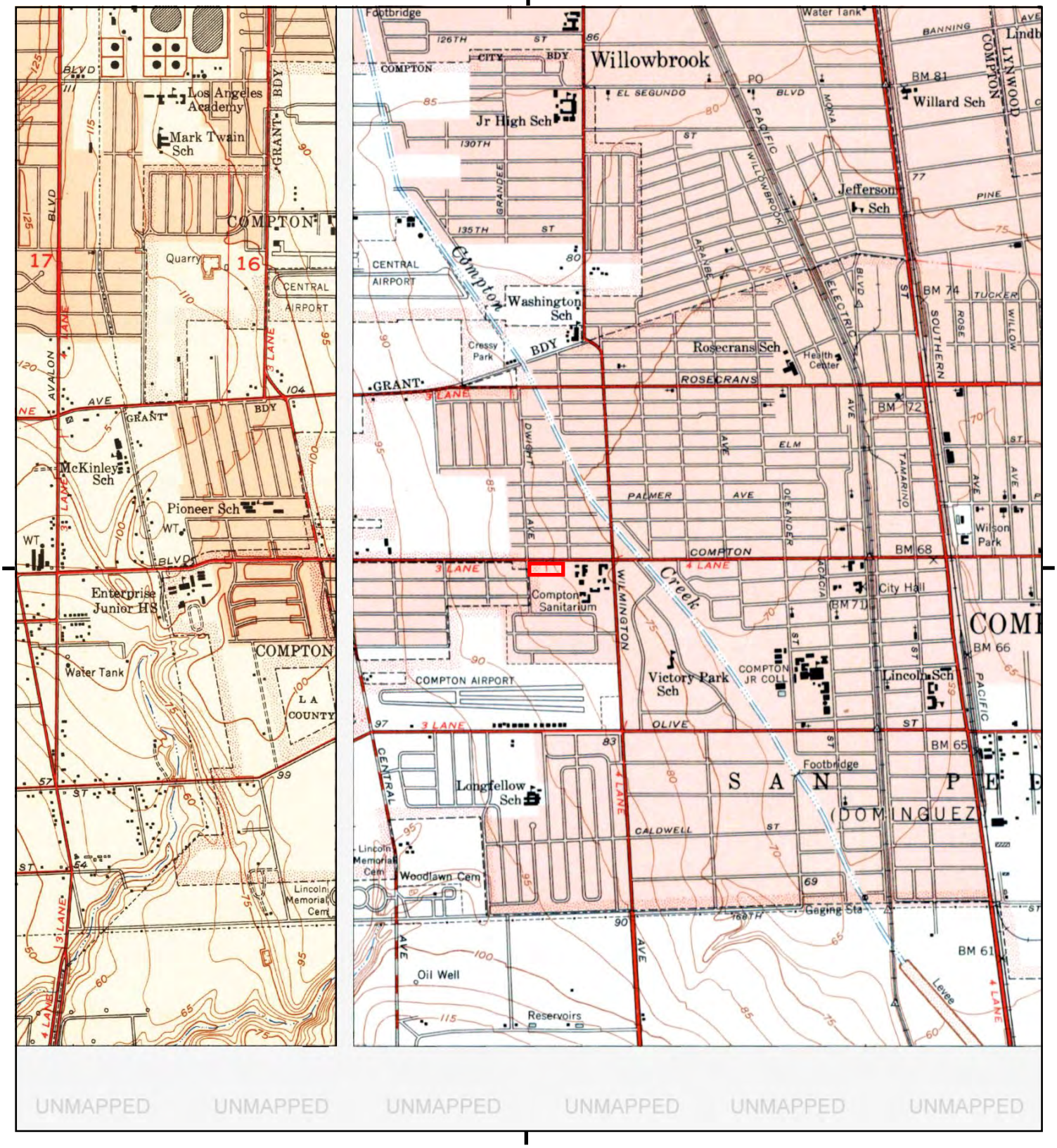
TP, South Gate, 1964, 7.5-minute
SE, Long Beach, 1964, 7.5-minute
SW, Torrance, 1964, 7.5-minute
NW, Inglewood, 1964, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

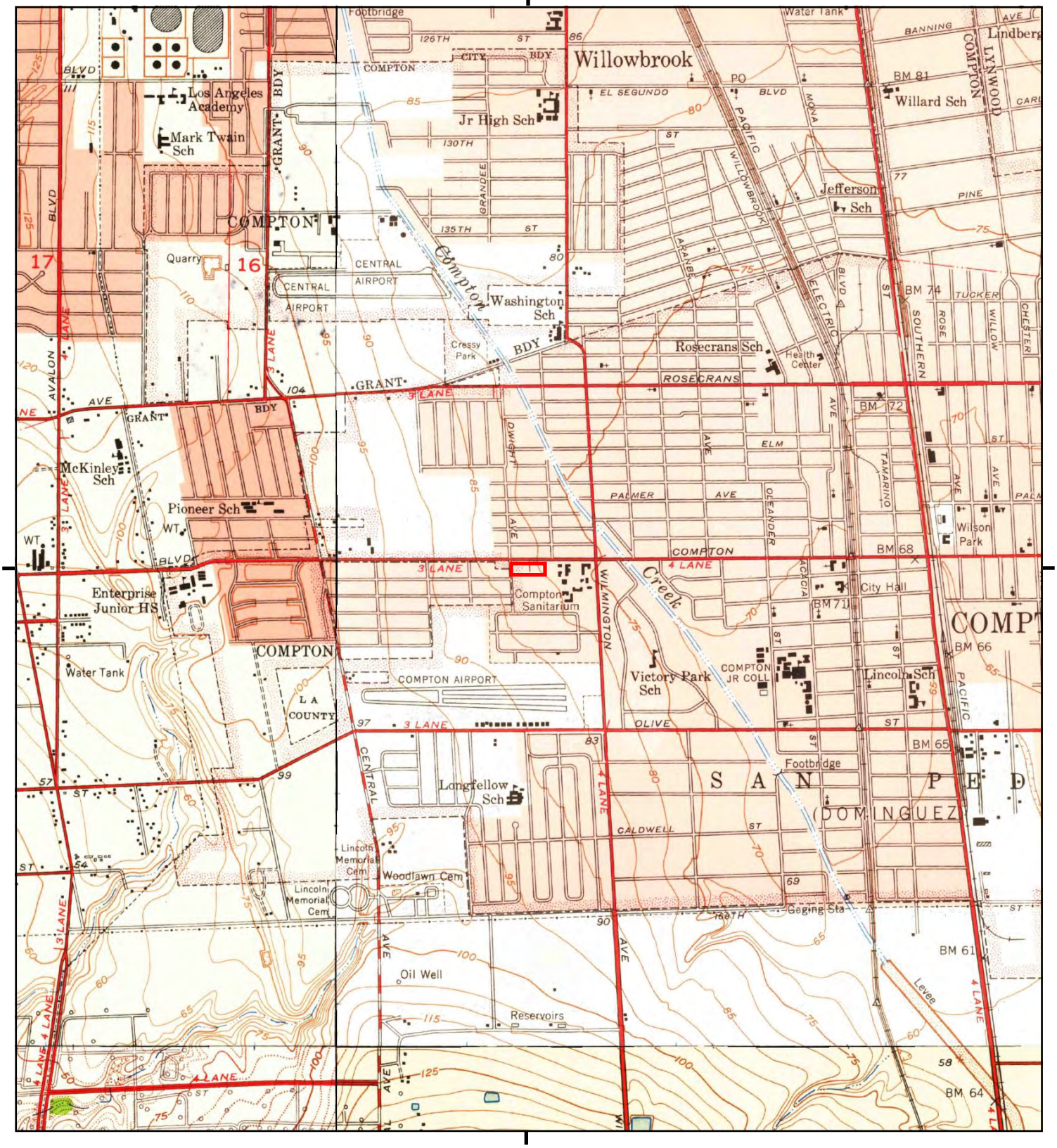
TP, SOUTH GATE, 1952, 7.5-minute
NW, Inglewood, 1952, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1949, 1950, 1951



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

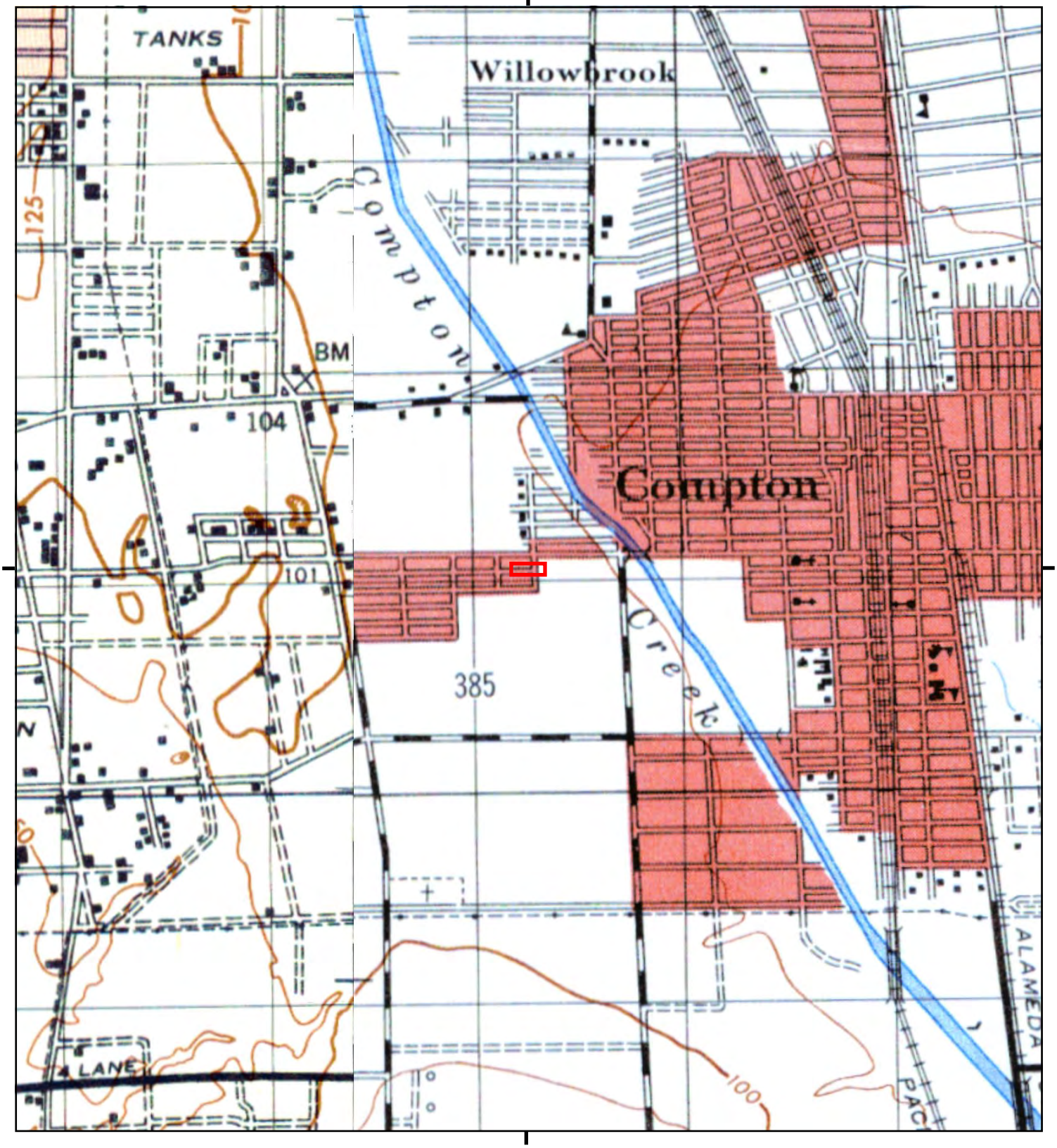
TP, South Gate, 1949, 7.5-minute
SE, Long Beach, 1949, 7.5-minute
SW, Torrance, 1951, 7.5-minute
NW, Inglewood, 1950, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1947, 1948



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

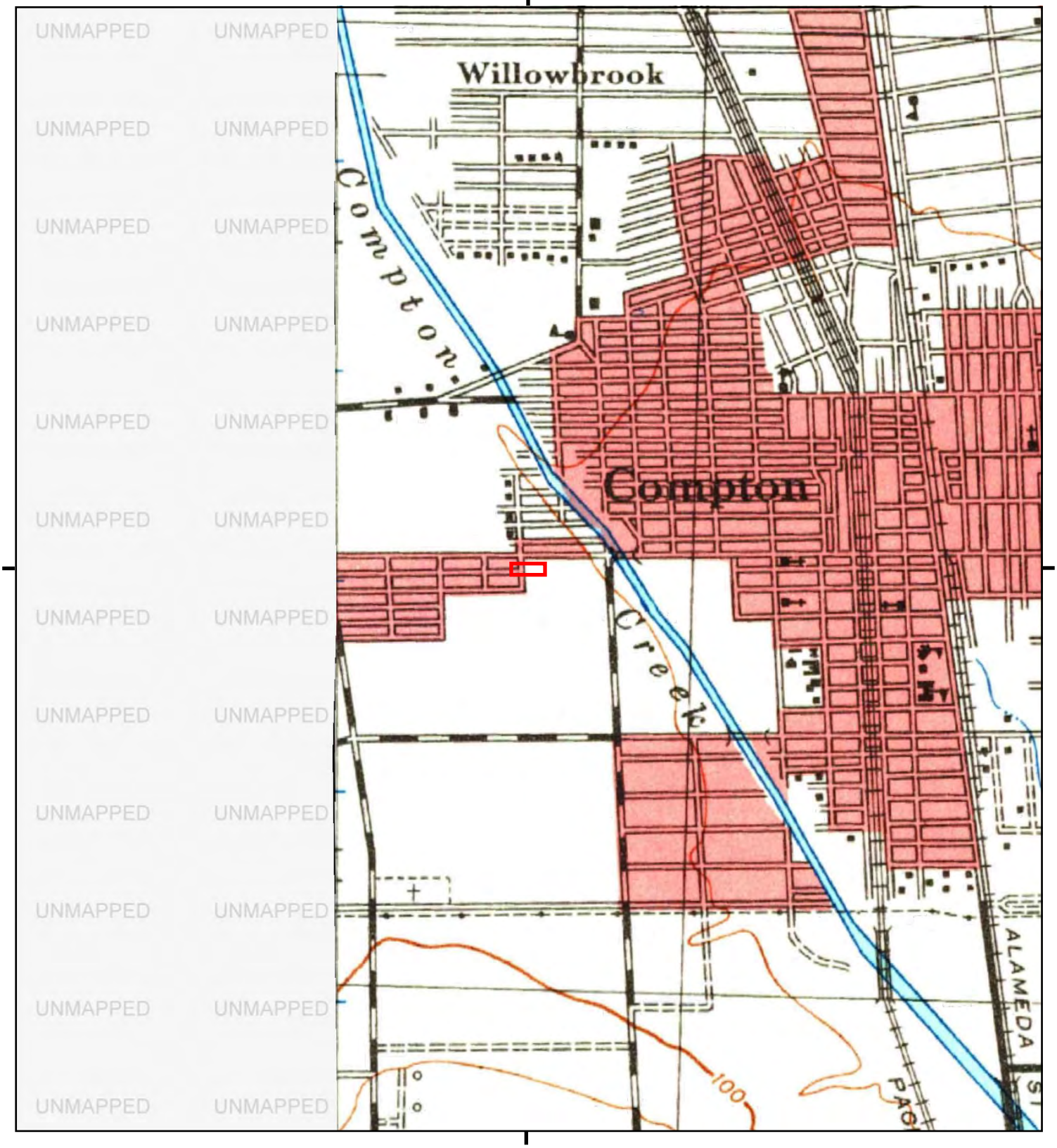
TP, DOWNEY, 1947, 15-minute
W, REDONDO, 1948, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

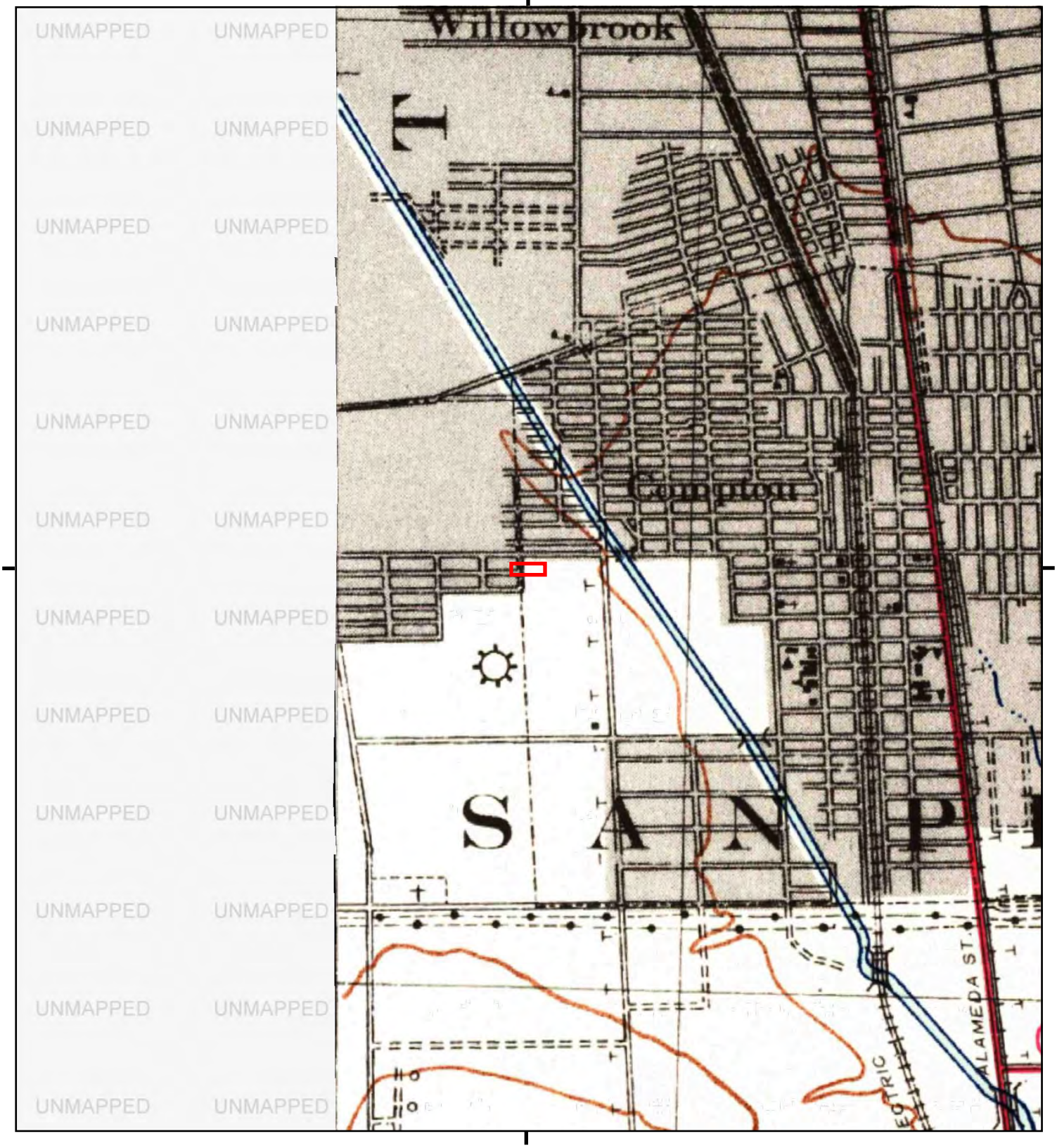
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1943, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

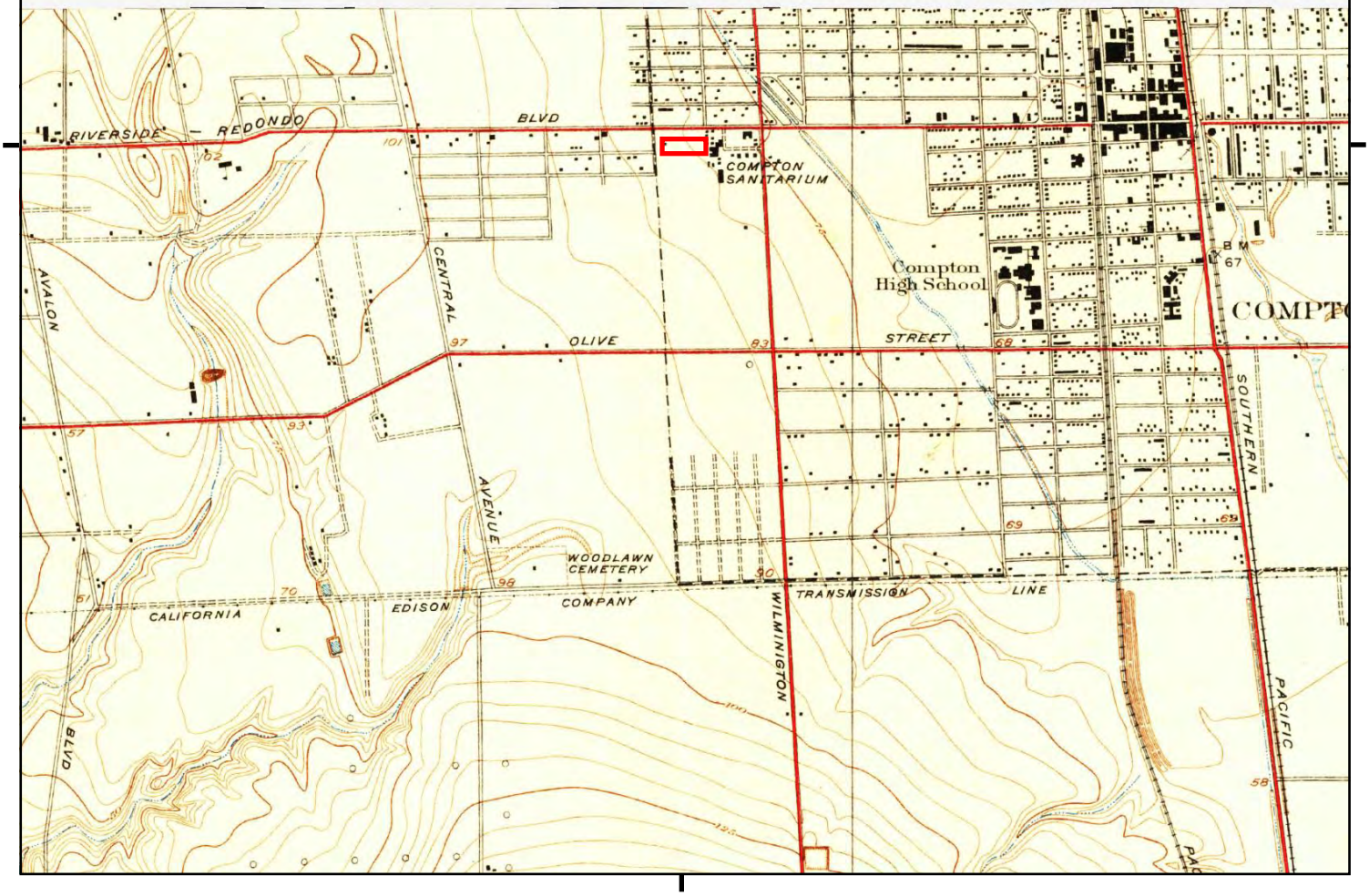
NW N NE
W E
SW S SE

N, Watts, 1937, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

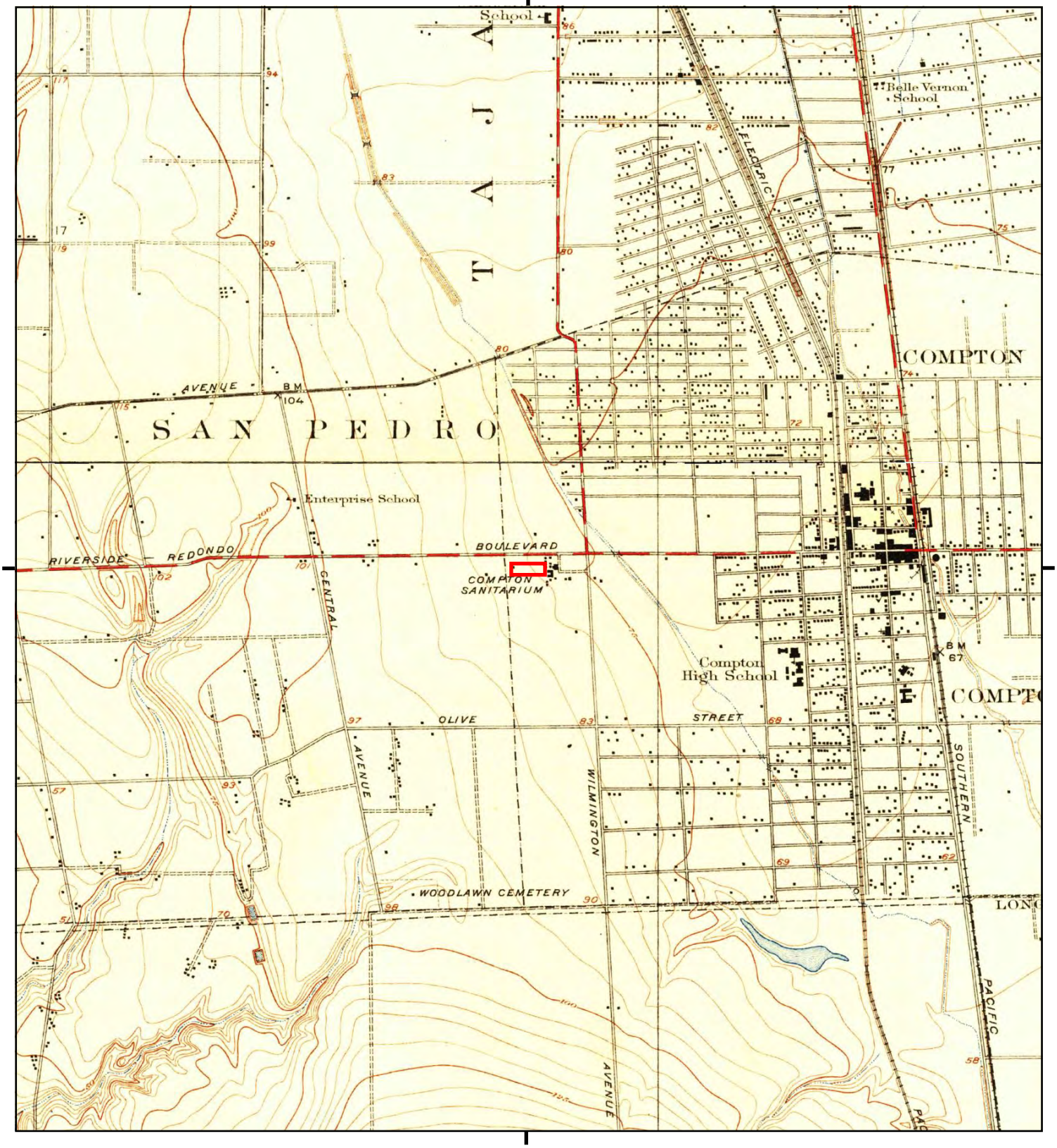
TP, Compton, 1930, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1924



This report includes information from the following map sheet(s).

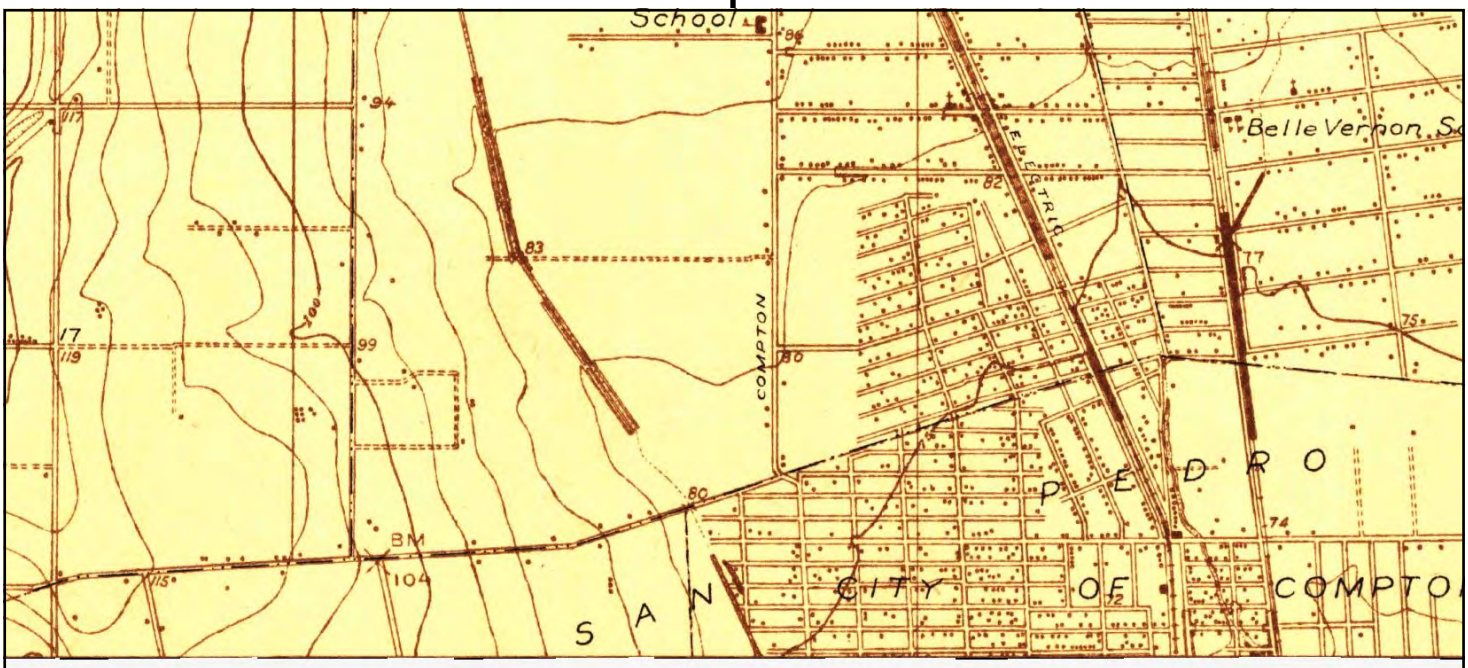
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1924, 7.5-minute
N, Watts, 1924, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



UNMAPPED

This report includes information from the following map sheet(s).

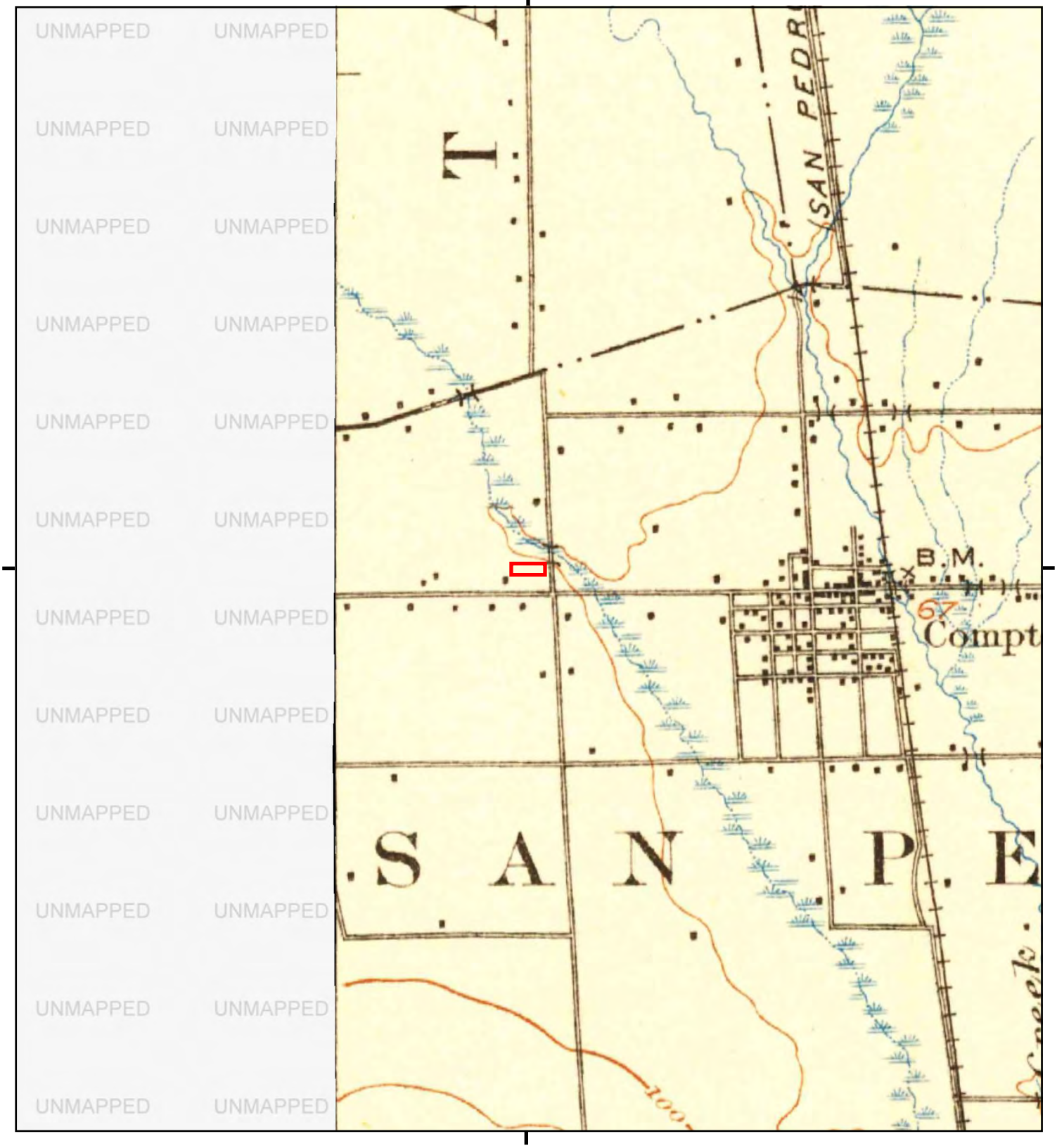
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Watts, 1923, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

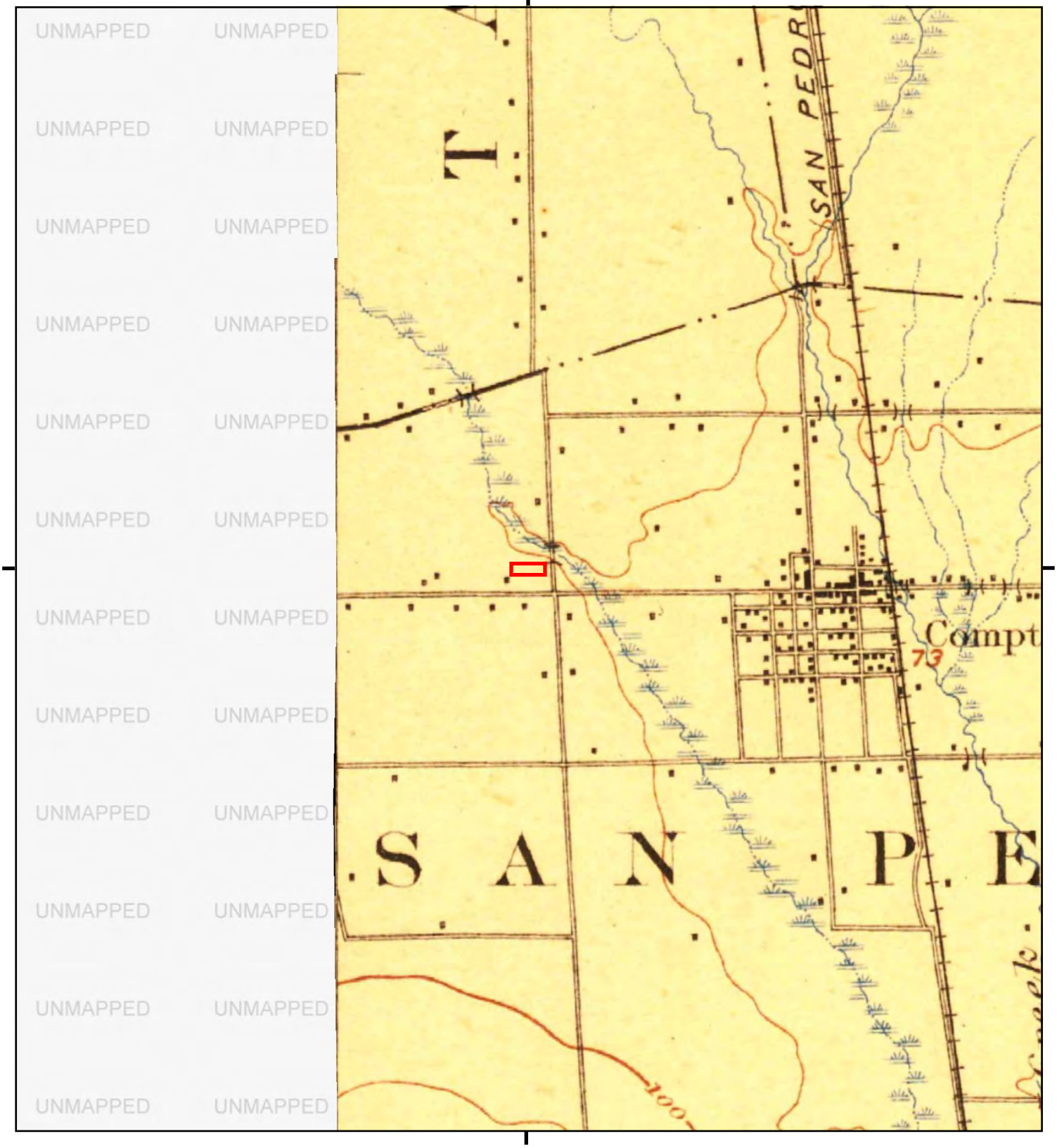
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

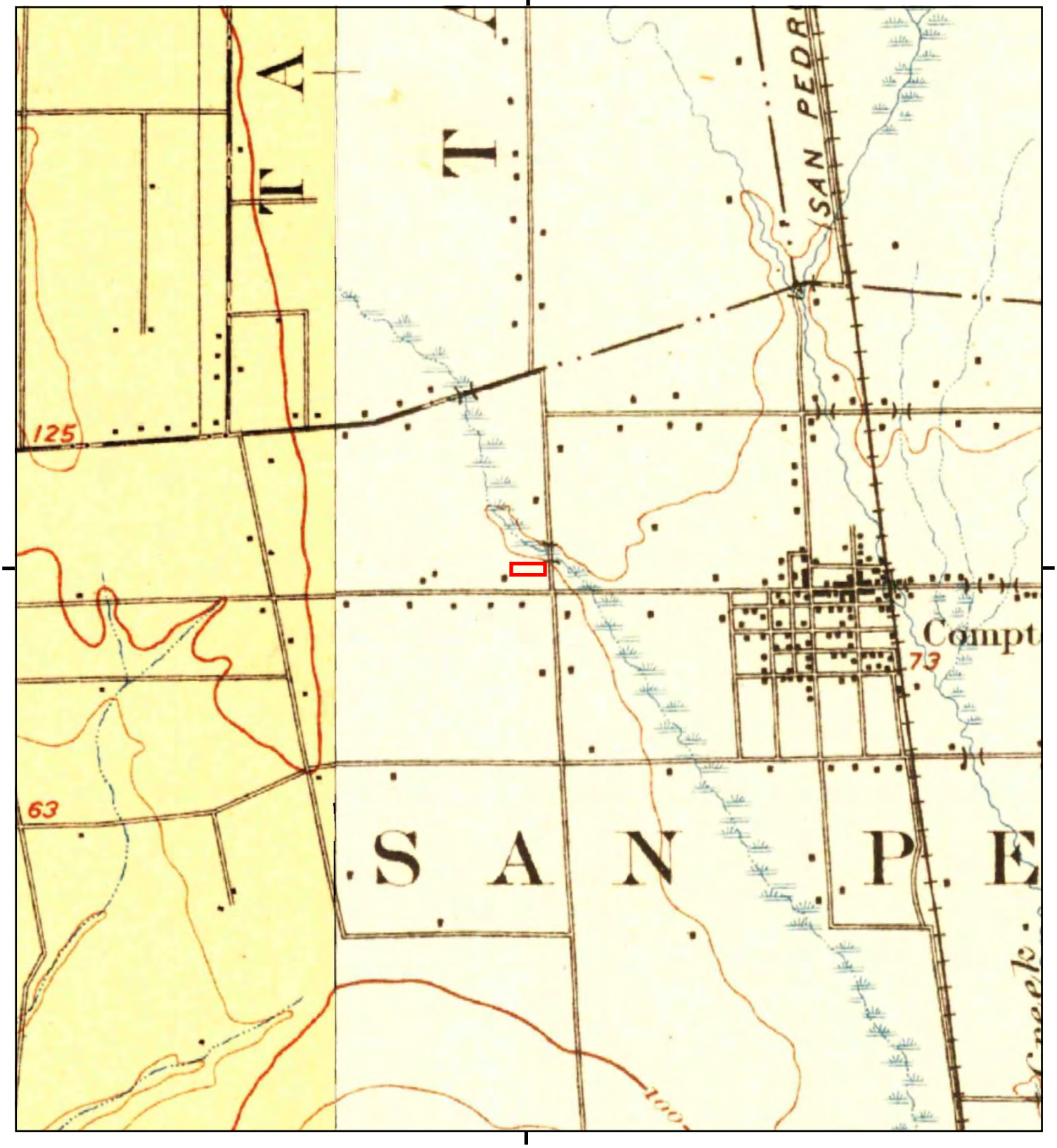
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute
W, Redondo, 1896, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.9

April 11, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.9

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

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Search Results:

Year	Scale	Details	Source
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	USGS
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

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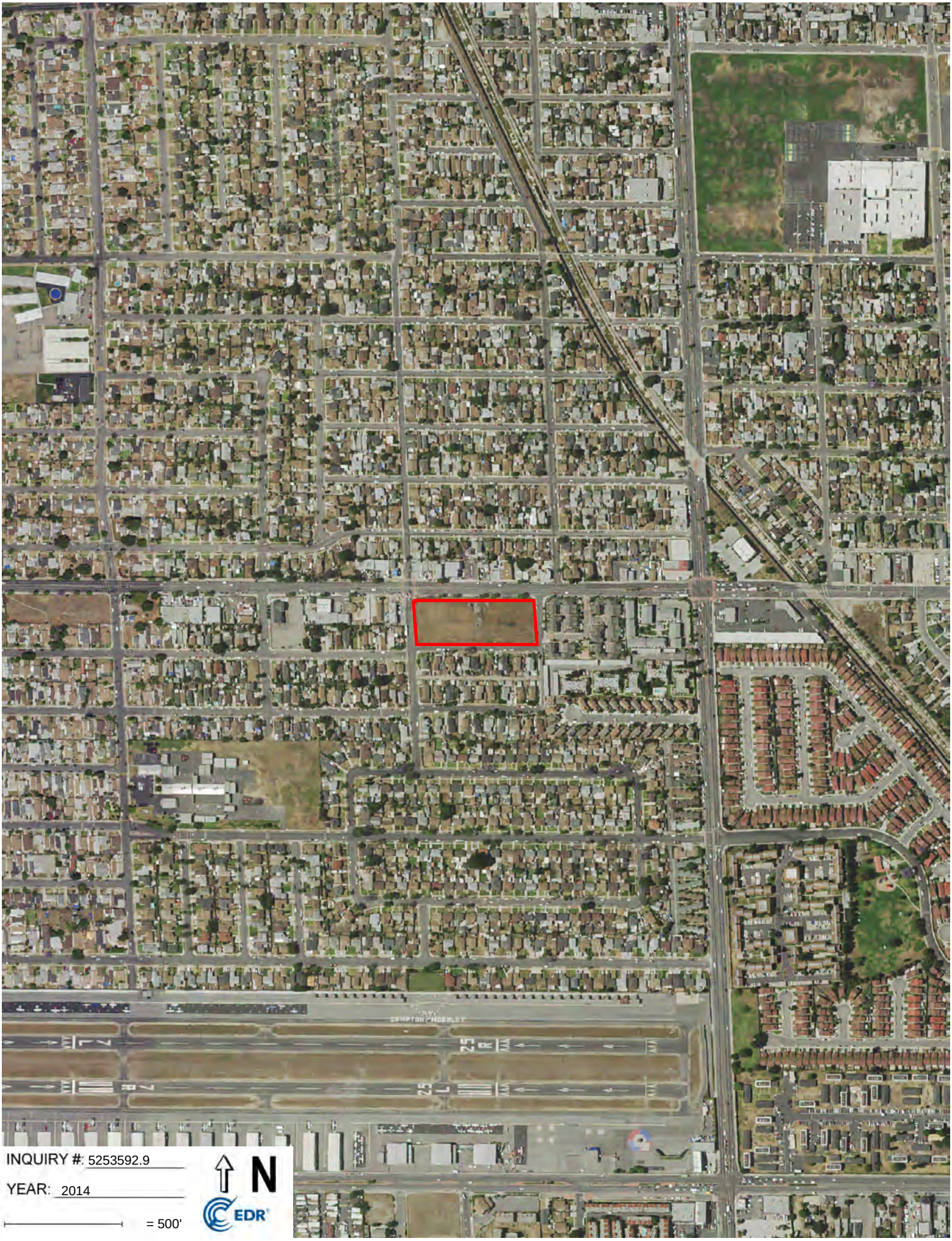


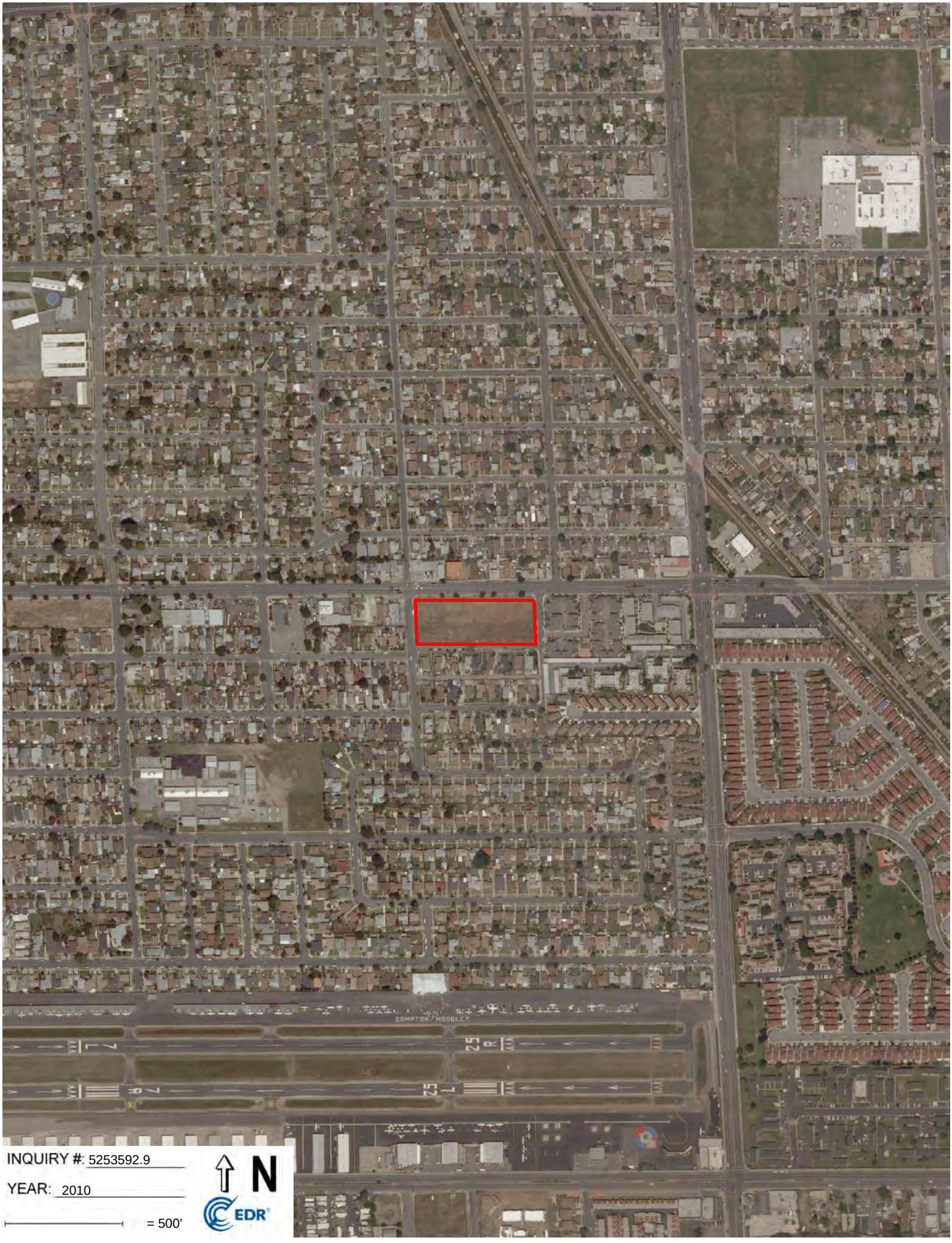
INQUIRY #: 5253592.9

YEAR: 2014

= 500'

N

EDR


COMPTON/WOODLEY
INQUIRY #: 5253592.9
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 2002

= 500'

N

EDR

COMPTON
25 R
25 L
INQUIRY #: 5253592.9
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1989

= 500'

N

EDR

COMPTON
INQUIRY #: 5253592.9
YEAR: 1981
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1979

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 1977

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1963
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1947
= 500'
N
EDR

INQUIRY #: 5253592.9
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1928

= 500'

N

EDR

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.5
April 10, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Directory Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	X	X	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	X	X	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	X	X	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

930 Compton Boulevard
Compton, CA 90220

FINDINGS DETAIL

Target Property research detail.

W COMPTON BLVD

930 W COMPTON BLVD

Year	*Uses*	*Source*
2001	XXXX	Haines & Company, Inc.
1995	Kazi Residential Drug Program	Pacific Bell
1980	COMPTON CARE INC	Pacific Telephone
1976	Willows Resident School & Day Care Center	Pacific Telephone
1971	Willows Convalescent Hospital	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DWIGHT AVE S

113 DWIGHT AVE S

Year	Uses	Source
2001	HERNANDEZBema Sdo	Haines & Company, Inc.

153 DWIGHT AVE S

Year	Uses	Source
2001	PEREZR	Haines & Company, Inc.

157 DWIGHT AVE S

Year	Uses	Source
2001	GARCIAJuvenlino	Haines & Company, Inc.

E 152ND ST

1101 E 152ND ST

Year	Uses	Source
1951	CHunt H G	Pacific Directory Co.
1950	HUNT HAROLD 0 R	Pacific Telephone

1107 E 152ND ST

Year	Uses	Source
1951	Schmidt W L R9	Pacific Directory Co.
1950	SHEPPARD R BIIURTON REV R	Pacific Telephone

1108 E 152ND ST

Year	Uses	Source
1954	BILLINGS ROY W	R. L. Polk & Co.
1951	AGoldman Dan I R9	Pacific Directory Co.
1950	GOLDMAN DAN R	Pacific Telephone

1113 E 152ND ST

Year	Uses	Source
1954	GOSS MARGIE	R. L. Polk & Co.
1951	Pohlmann K A R9	Pacific Directory Co.
1950	P TLIMANN KARL A R	Pacific Telephone

FINDINGS

1117 E 152ND ST

Year	Uses	Source
1951	AParker J E R9	Pacific Directory Co.
1950	PARKER JASR	Pacific Telephone

1118 E 152ND ST

Year	Uses	Source
1951	Psalmonds R I R9	Pacific Directory Co.
1950	MCCLAIN WALTER WR	Pacific Telephone

1122 E 152ND ST

Year	Uses	Source
1951	Adams R L	Pacific Directory Co.
1950	PRICE ARTHUR R	Pacific Telephone

1123 E 152ND ST

Year	Uses	Source
1954	CLAYTON LARNEY M	R. L. Polk & Co.
1951	AWiemann D J	Pacific Directory Co.
1950	WIERNANO DANALD JR	Pacific Telephone

1127 E 152ND ST

Year	Uses	Source
1954	BLANTON DW	R. L. Polk & Co.
1951	ATabinq RH	Pacific Directory Co.
1950	TABING ROBT E R	Pacific Telephone

1128 E 152ND ST

Year	Uses	Source
1954	CATCHINGS ELMER	R. L. Polk & Co.
1951	n Ramsay H R	Pacific Directory Co.
1950	RAMSAY HAROLD R R	Pacific Telephone

1132 E 152ND ST

Year	Uses	Source
1954	LEWIS JEWELL	R. L. Polk & Co.
1951	ASippy S D R9	Pacific Directory Co.
1950	SIPPY S D MRS R	Pacific Telephone

1138 E 152ND ST

Year	Uses	Source
1954	QUINN AL G R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1951	AQuinn A G	Pacific Directory Co.
1950	QUINNI AL G R	Pacific Telephone

1143 E 152ND ST

Year	Uses	Source
1954	DRVOL EDW J R	R. L. Polk & Co.
1951	ADrvol E J R9	Pacific Directory Co.
1950	DRVOL EDWJ R	Pacific Telephone

1144 E 152ND ST

Year	Uses	Source
1951	ASaksa Wm	Pacific Directory Co.
1950	FRETAS J F R	Pacific Telephone

1147 E 152ND ST

Year	Uses	Source
1954	SEFER CHAS R	R. L. Polk & Co.
1951	ASefer Chas	Pacific Directory Co.
1950	SEFER CHAS R	Pacific Telephone

N DWIGHT AVE

105 N DWIGHT AVE

Year	Uses	Source
1980	HOOPER MICHAEL D	Pacific Telephone
1964	OROZCO OSCAR	Pacific Telephone
1960	OROZCO OSCAR	Pacific Telephone
1957	OROZCO OSCAR	Pacific Telephone

300 N DWIGHT AVE

Year	Uses	Source
1964	JORDAN BIRDIE	Pacific Telephone
1960	KNIGHT LOUIS	Pacific Telephone
1954	TRAMEL JAS H	R. L. Polk & Co.
1950	TRAMEL VIRGINIA R	Pacific Telephone

305 N DWIGHT AVE

Year	Uses	Source
1985	IRBY MARGIE	Pacific Bell
1980	GONZALEZ ANTONIO	Pacific Telephone
1957	HINKSON R J	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	WILLIAMS CHESTER D	R. L. Polk & Co.

311 N DWIGHT AVE

Year	Uses	Source
1960	LEWELLEN BINA	Pacific Telephone
1957	WILLIAMS NETTIE MRS	Pacific Telephone
1954	WILLIAMS NETTIE MRS	R. L. Polk & Co.
1950	SCUDDER JAS R	Pacific Telephone

N KEMP AVE

111 N KEMP AVE

Year	Uses	Source
1954	BENSON MABLE MRS	R. L. Polk & Co.

209 N KEMP AVE

Year	Uses	Source
2001	LEWIS Lorenco	Haines & Company, Inc.
1964	HOWARD W G	Pacific Telephone
1960	HOWARD W G	Pacific Telephone
1957	HOWARD W G	Pacific Telephone
1954	MOSES FLOYD	R. L. Polk & Co.

305 N KEMP AVE

Year	Uses	Source
1980	CULPEPPER BEATRICE	Pacific Telephone

309 N KEMP AVE

Year	Uses	Source
2001	RIOSJesus	Haines & Company, Inc.

311 N KEMP AVE

Year	Uses	Source
1985	TAPIA SALVADOR	Pacific Bell

313 N KEMP AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

315 N KEMP AVE

Year	Uses	Source
1980	CISNEROS LAZARO F	Pacific Telephone
1964	HIATT GERALD	Pacific Telephone
1960	HIATT GERALD	Pacific Telephone
1957	HIATT GERALD	Pacific Telephone
1954	HIATT GERALD R	R. L. Polk & Co.
1950	HIATT GERALD R	Pacific Telephone

S DWIGHT AVE

113 S DWIGHT AVE

Year	Uses	Source
1985	RAMIREZ ALEJANDRO MORENO	Pacific Bell

S Dwight Ave

153 S Dwight Ave

Year	Uses	Source
2014	KARRIEM ALI	EDR Digital Archive

S DWIGHT AVE

153 S DWIGHT AVE

Year	Uses	Source
1995	Perez R	Pacific Bell

S KEMP AVE

201 S KEMP AVE

Year	Uses	Source
2001	SMARTINEZJaime	Haines & Company, Inc.
1995	Martinez Angela A	Pacific Bell
1985	WIZARDARY ENTERPRISES	Pacific Bell

203 S KEMP AVE

Year	Uses	Source
2001	MARTINEZGlor	Haines & Company, Inc.
1995	Martinez Gloria	Pacific Bell
1981	GARNER YVONNE COMPTON	Pacific Telephone
1980	GARNER YVONNE	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	SMITH FERGUSON	Pacific Telephone

205 S KEMP AVE

Year	Uses	Source
1975	LONG SHARON	Pacific Telephone
1964	JOHNSON ERMA	Pacific Telephone
	JOHNSON OLIVER	Pacific Telephone
1960	BOND WESLEY	Pacific Telephone
	BOND DOROTHY MAE	Pacific Telephone
1957	WICKER JERRY	Pacific Telephone

S Kemp Ave

207 S Kemp Ave

Year	Uses	Source
2014	OLAGUE TREE & GARDEN SERVICE	EDR Digital Archive

S KEMP AVE

207 S KEMP AVE

Year	Uses	Source
2001	AGUILERAFran	Haines & Company, Inc.
1960	SMITH PEARL P	Pacific Telephone

SCHOOL

930 SCHOOL

Year	Uses	Source
1981	MITCHELL ERMA COMPTON	Pacific Telephone

W 151ST

932 W 151ST

Year	Uses	Source
1986	EDWARDS PEARLEAN COMPTON	Pacific Bell
1981	EDWARDS PEARLEAN COMPTON	Pacific Telephone
1971	Robinson Bobbie	Pacific Telephone

950 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

FINDINGS

964 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

1109 W 151ST

Year	Uses	Source
1981	WASHINGTON VIRGIL COMPTON	Pacific Telephone

W 151ST ST

910 W 151ST ST

Year	Uses	Source
1954	BENELL IRENE M	R. L. Polk & Co.

916 W 151ST ST

Year	Uses	Source
2001	8 MCCLOUDKathy	Haines & Company, Inc.
1964	PERRY LE ROY	Pacific Telephone
1957	DAKE JACK	Pacific Telephone
1954	SEMPLE DOUGLAS M R	R. L. Polk & Co.
1950	NAFFAIGER CHAS JR R	Pacific Telephone

918 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	HIRSHEL WM	R. L. Polk & Co.
	AFRICK MAY	R. L. Polk & Co.
1950	SMITH GEO J R	Pacific Telephone

924 W 151ST ST

Year	Uses	Source
2001	ENLLANCHELus 00 I	Haines & Company, Inc.
1964	MARSHALL CURRIE	Pacific Telephone
1960	BRADLEY EUGENE	Pacific Telephone
1957	TIMLIN WM D	Pacific Telephone
1954	TIMLIN WM D	R. L. Polk & Co.

926 W 151ST ST

Year	Uses	Source
2001	XXXXI I	Haines & Company, Inc.
1960	BLAYLOCK WILLARD E	Pacific Telephone

FINDINGS

932 W 151ST ST

Year	Uses	Source
2001	MACIELJuan 00 t	Haines & Company, Inc.
1985	EDWARDS PEARLEAN	Pacific Bell
1980	EDWARDS PEARLEAN	Pacific Telephone
1976	Edwards Pearlean	Pacific Telephone
1975	EDWARDS PEARLEAN	Pacific Telephone
1967	Robinson Bobbie	Pacific Telephone
1957	PEREZ EBARISTO PAUL	Pacific Telephone
1954	WOOLERY LENNETH A	R. L. Polk & Co.
1950	AULT GEO R	Pacific Telephone

934 W 151ST ST

Year	Uses	Source
2001	MACIELJuan M	Haines & Company, Inc.
1976	Mc Williams David	Pacific Telephone
1964	BOWMAN WM MRS	Pacific Telephone
1960	ZURITA CLARENCE	Pacific Telephone
1957	ZURITA CLARENCE	Pacific Telephone
1950	LUCAS JAS R R	Pacific Telephone

940 W 151ST ST

Year	Uses	Source
2001	HUDSO	Haines & Company, Inc.
1985	HUDSON KATE	Pacific Bell
1980	HUDSON KATE	Pacific Telephone
1975	HUDSON KATE	Pacific Telephone
1954	FARRIS SAML	R. L. Polk & Co.

942 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	BRADSHAW ROSETTA	Pacific Telephone
1960	ELIZONDO RAYMON	Pacific Telephone
1957	ELIZONDO RAYMON	Pacific Telephone
1950	ISAACS VIRGINIA	Pacific Telephone

948 W 151ST ST

Year	Uses	Source
2001	CASTROGerardo 00 HI	Haines & Company, Inc.
1985	SMITH WARREN H	Pacific Bell

FINDINGS

Year	Uses	Source
1960	SMITH WARREN H	Pacific Telephone

950 W 151ST ST

Year	Uses	Source
1976	Smith Elouise	Pacific Telephone
	Smith Warren H	Pacific Telephone
1964	SMITH WARREN H	Pacific Telephone
1960	MARSHALL CURRIE	Pacific Telephone
1958	Marshall Currie	Pacific Telephone
1957	BISHOP ARTIE BELLE	Pacific Telephone
1950	JOHNSON HELEN R	Pacific Telephone

956 W 151ST ST

Year	Uses	Source
2001	GUZMANGualbedo 00 o	Haines & Company, Inc.
1954	MERRILL ROBT R MRS	R. L. Polk & Co.
1950	THARP HOWARD W JR R	Pacific Telephone

958 W 151ST ST

Year	Uses	Source
2001	ORTEGAManuel J	Haines & Company, Inc.
1950	FORTTER W C R	Pacific Telephone

964 W 151ST ST

Year	Uses	Source
2001	OLMOSJuan	Haines & Company, Inc.
1975	GRIFFIN AGNES	Pacific Telephone
1960	HARRIS JOHN E	Pacific Telephone
1957	HARRIS JOHN E	Pacific Telephone
1954	RULE ELMER A R	R. L. Polk & Co.

966 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	LETTRIES CHAS W	Pacific Bell
1954	ENDRES PAUL B	R. L. Polk & Co.

972 W 151ST ST

Year	Uses	Source
2001	FRANKLIN Benose 00 D	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1975	FORD ANNIE	Pacific Telephone
1954	ARNS STEVEN D	R. L. Polk & Co.
1950	CARUSO CARL R	Pacific Telephone

974 W 151ST ST

Year	Uses	Source
2001	FRANKLIN D	Haines & Company, Inc.
1958	Bell Jas C	Pacific Telephone
1957	BELL JAS C	Pacific Telephone
1954	CARUSO CARL	R. L. Polk & Co.
1950	KAHN PETER H R	Pacific Telephone

1023 W 151ST ST

Year	Uses	Source
2001	RAMIREZAlen	Haines & Company, Inc.
1980	PERRALES BERNARD	Pacific Telephone
1975	MORALES ANSELMO	Pacific Telephone

1026 W 151ST ST

Year	Uses	Source
2001	GARCIA LUI	Haines & Company, Inc.
1985	PERALES ISABEL	Pacific Bell
1980	PERALES ISABEL	Pacific Telephone
1975	PERALES ISABEL	Pacific Telephone

1027 W 151ST ST

Year	Uses	Source
2001	FORDMdlon 00 i MCCLINTON Louilse V	Haines & Company, Inc.
1985	PIPER LOUISE V	Pacific Bell
1980	PIPER LOUISE V	Pacific Telephone
1975	PIPER LOUISE V	Pacific Telephone

1029 W 151ST ST

Year	Uses	Source
2001	LARA Emery 00 yr	Haines & Company, Inc.

1030 W 151ST ST

Year	Uses	Source
2001	ROBLES Maria	Haines & Company, Inc.
1980	PERALES HERMAN C & TERESA	Pacific Telephone

FINDINGS

1031 W 151ST ST

Year	Uses	Source
2001	DAVISLee	Haines & Company, Inc.

1034 W 151ST ST

Year	Uses	Source
2001	GIBSONEarl	Haines & Company, Inc.
1985	GONZALES MARIA	Pacific Bell
1980	GONZALEZ MARIA	Pacific Telephone

1102 W 151ST ST

Year	Uses	Source
2001	STEVERSONLois	Haines & Company, Inc.

1105 W 151ST ST

Year	Uses	Source
2001	DEBOSE Clilfford	Haines & Company, Inc.

W 151st St

1106 W 151st St

Year	Uses	Source
2014	MACCABEE FREIGHT SERVICES	EDR Digital Archive
2010	MACCABEE FREIGHT SERVICES	EDR Digital Archive

W 151ST ST

1106 W 151ST ST

Year	Uses	Source
2001	FINISTER	Haines & Company, Inc.
1976	Finister Addie	Pacific Telephone
1975	FINISTER ADDIE	Pacific Telephone

1109 W 151ST ST

Year	Uses	Source
2001	MARESDavid	Haines & Company, Inc.
1976	Washington ington ington Virgil	Pacific Telephone

1112 W 151ST ST

Year	Uses	Source
2001	8 BALLESTEROSLuisaa	Haines & Company, Inc.

FINDINGS

1115 W 151ST ST

Year	Uses	Source
2001	8 PADILLARicardo	Haines & Company, Inc.

1116 W 151ST ST

Year	Uses	Source
2001	BALLESTEROSR	Haines & Company, Inc.

1119 W 151ST ST

Year	Uses	Source
2001	8 MEZAJose	Haines & Company, Inc.
1980	GUERRA IGNACIO	Pacific Telephone

1120 W 151ST ST

Year	Uses	Source
2001	RODRIGUEZArturo 00 S	Haines & Company, Inc.

W 152ND

932 W 152ND

Year	Uses	Source
1981	SIMMONS CHAS E COMPTON	Pacific Telephone

972 W 152ND

Year	Uses	Source
1981	LEMELLE C D COMPTON	Pacific Telephone
1971	Howard Patsy	Pacific Telephone

975 W 152ND

Year	Uses	Source
1981	DAWSON JOS COMPTON	Pacific Telephone
1962	Fenderson Iley	Pacific Telephone

W 152ND PL

925 W 152ND PL

Year	Uses	Source
1950	F ER REBT HI R	Pacific Telephone

926 W 152ND PL

Year	Uses	Source
1985	SIMONTON THEO	Pacific Bell

Year	Uses	Source
1950	LRADFORD EARL A R	Pacific Telephone

933 W 152ND PL

Year	Uses	Source
1950	DROVDAL ORVILLE J R	Pacific Telephone

972 W 152ND PL

Year	Uses	Source
1980	LEMEILE C D	Pacific Telephone
1975	HOWARD PATSY	Pacific Telephone
1964	BALL LILLIE	Pacific Telephone
	NORWOOD CHAS	Pacific Telephone
1950	FELDMAN BERNARD G R	Pacific Telephone

973 W 152ND PL

Year	Uses	Source
1985	ROJAS EFRAIN	Pacific Bell
1954	TOOLE RICHARD D	R. L. Polk & Co.
1950	FELIX JAS P LOS ANGELES MIRROR DISTR	Pacific Telephone

W 152ND ST

908 W 152ND ST

Year	Uses	Source
2001	GRAYS Kim	Haines & Company, Inc.
1950	STUCKER DANI0R	Pacific Telephone

909 W 152ND ST

Year	Uses	Source
1954	KNUDSON MARVIN	R. L. Polk & Co.

910 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MALLORY THURRON E	Pacific Telephone
1954	EVANS E E	R. L. Polk & Co.

916 W 152ND ST

Year	Uses	Source
2001	GARIBAYDa Vid	Haines & Company, Inc.

Year	Uses	Source
1964	LEMONS LUCILLE	Pacific Telephone
1960	LEMONS LUCILLE	Pacific Telephone
1950	HAUSER ROBT G R	Pacific Telephone

917 W 152ND ST

Year	Uses	Source
2001	AVALOSRodnguez Maria	Haines & Company, Inc.
1960	HARRIS BETTI CAROL	Pacific Telephone
1957	WILSON MAMIE G	Pacific Telephone
	JOHNSON HORTESSE	Pacific Telephone
1954	SPAPNOLA EUGENE P	R. L. Polk & Co.

918 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	DOUGLAS ALLEN JR	Pacific Telephone
1957	THOMAS H W	Pacific Telephone
1954	SILLS EDW R	R. L. Polk & Co.
1950	SILLS EDW R	Pacific Telephone

919 W 152ND ST

Year	Uses	Source
2001	VEGA Maria	Haines & Company, Inc.
1964	HARRIS NAPOLEON	Pacific Telephone
1954	GERHARD GLORIA	R. L. Polk & Co.

W 152nd St

924 W 152nd St

Year	Uses	Source
2010	RUFINO DANIEL	EDR Digital Archive

W 152ND ST

924 W 152ND ST

Year	Uses	Source
2001	CRUZ Daniel	Haines & Company, Inc.
1950	GUSTAFSON ARTHUR A R	Pacific Telephone

FINDINGS

925 W 152ND ST

Year	Uses	Source
2001	GARAYRamon	Haines & Company, Inc.
1976	Mc Carty Beatrice	Pacific Telephone

926 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

927 W 152ND ST

Year	Uses	Source
2001	RAMIREZEsmeralda	Haines & Company, Inc.
1950	LEWIS JOHN CLARKR	Pacific Telephone

932 W 152ND ST

Year	Uses	Source
2001	GOMEZPedro	Haines & Company, Inc.
1976	Simmons Chas E	Pacific Telephone
1967	Simmons Chas E	Pacific Telephone
1954	FISHBEIN SOL	R. L. Polk & Co.

933 W 152ND ST

Year	Uses	Source
2001	SWILLISDewlu	Haines & Company, Inc.
1954	DICKHUDT WM D	R. L. Polk & Co.

934 W 152ND ST

Year	Uses	Source
1964	SMITH EVELYN	Pacific Telephone
1954	M HOINOSKI FRANK	R. L. Polk & Co.
1950	FINEGAN HARLAND S R	Pacific Telephone

935 W 152ND ST

Year	Uses	Source
1954	HAUSKINS ROY H	R. L. Polk & Co.

940 W 152ND ST

Year	Uses	Source
2001	PORTILLOYadira	Haines & Company, Inc.
1954	FARMER WANDA R	R. L. Polk & Co.
1950	FARMER WANDAR	Pacific Telephone

FINDINGS

941 W 152ND ST

Year	Uses	Source
2001	ROSSTheodore	Haines & Company, Inc.
1954	FULLER PATRICIA ANN	R. L. Polk & Co.

942 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	BUOKRIDQE RUSSELL R R	R. L. Polk & Co.

943 W 152ND ST

Year	Uses	Source
1964	DUNCAN MILTON	Pacific Telephone
1960	DUNCAN MILTON	Pacific Telephone
1957	DUNCAN MILTON	Pacific Telephone
1954	SWANGER ROBT D	R. L. Polk & Co.

948 W 152ND ST

Year	Uses	Source
1960	HENDERSON JAS D	Pacific Telephone
1950	BEST GORU4UN BR	Pacific Telephone

949 W 152ND ST

Year	Uses	Source
2001	NAVAREmili o	Haines & Company, Inc.
1958	Sanders Richard A	Pacific Telephone

950 W 152ND ST

Year	Uses	Source
1957	GLENN JAS D	Pacific Telephone
1954	BATESOLE KENNETH L R	R. L. Polk & Co.
1950	BATESCIE KENNETH L R	Pacific Telephone

951 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

956 W 152ND ST

Year	Uses	Source
2001	SWILLIAMSKeilh	Haines & Company, Inc.
1964	SMITH RECIE	Pacific Telephone
1954	SHAON WM V	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1950	SCHARFENBERG GEO W R	Pacific Telephone

957 W 152ND ST

Year	Uses	Source
2001	TORRESGollleemo	Haines & Company, Inc.
1960	FLETCHER ADELL	Pacific Telephone
1950	LAIRD WESLEY W R	Pacific Telephone

958 W 152ND ST

Year	Uses	Source
1960	COOPER CLARENCE	Pacific Telephone
1957	SMITH ROBT H	Pacific Telephone
1954	HONEYCUTT DONALD B R	R. L. Polk & Co.
1950	HONEYCUTT DONALD BR	Pacific Telephone

959 W 152ND ST

Year	Uses	Source
2001	TORRESMaria	Haines & Company, Inc.
1964	TUCKER LONZO	Pacific Telephone
1960	TUCKER LONZO	Pacific Telephone
1954	PERRY GORDON E	R. L. Polk & Co.
1950	TAYLOR F J DR R	Pacific Telephone

964 W 152ND ST

Year	Uses	Source
2001	POLK Sylvester	Haines & Company, Inc.

965 W 152ND ST

Year	Uses	Source
2001	GOSZALEZIvete	Haines & Company, Inc.
1960	HUBER BURT	Pacific Telephone
1954	BREWER WM H	R. L. Polk & Co.

966 W 152ND ST

Year	Uses	Source
1967	Williams Dwight	Pacific Telephone
1960	THOMPSON JEANETTE	Pacific Telephone
1957	THOMPSON ALTON	Pacific Telephone
1950	ROBAUGH JOHN W R	Pacific Telephone

FINDINGS

967 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	WILLIS JOE W	Pacific Telephone
1957	HALL HARMON M	Pacific Telephone
1954	HALL HARMON M	R. L. Polk & Co.
1950	GETZ J S DR R	Pacific Telephone

972 W 152ND ST

Year	Uses	Source
2001	JACKSON Charles	Haines & Company, Inc.
1976	Howard Patsy	Pacific Telephone

973 W 152ND ST

Year	Uses	Source
2001	VILLALOBOS	Haines & Company, Inc.

974 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1976	Chevis Minnie	Pacific Telephone

975 W 152ND ST

Year	Uses	Source
2001	CEJAJo	Haines & Company, Inc.
1960	FENDERSON ILEY	Pacific Telephone
1957	FENDERSON ILEY	Pacific Telephone

980 W 152ND ST

Year	Uses	Source
1957	KOTARSKI VINCENT	Pacific Telephone

982 W 152ND ST

Year	Uses	Source
2001	GRAY Le	Haines & Company, Inc.
1967	Bowser Avis	Pacific Telephone
1964	BOWSER AVIS	Pacific Telephone
1950	PFEIFER ROBT H R	Pacific Telephone

1003 W 152ND ST

Year	Uses	Source
2001	WILLISEmmett	Haines & Company, Inc.

FINDINGS

1004 W 152ND ST

Year	Uses	Source
2001	CHANLin	Haines & Company, Inc.

1007 W 152ND ST

Year	Uses	Source
2001	BRAMBILADnlores	Haines & Company, Inc.

1011 W 152ND ST

Year	Uses	Source
2001	TANNER James	Haines & Company, Inc.

1015 W 152ND ST

Year	Uses	Source
2001	GONZALEZRoque	Haines & Company, Inc.

1016 W 152ND ST

Year	Uses	Source
2001	RODRIGUEZF	Haines & Company, Inc.

1019 W 152ND ST

Year	Uses	Source
2001	ALVARADOManue	Haines & Company, Inc.

1100 W 152ND ST

Year	Uses	Source
2001	OWEBBERArchie	Haines & Company, Inc.

1108 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1114 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1115 W 152ND ST

Year	Uses	Source
2001	SACEVESAlberto	Haines & Company, Inc.

1117 W 152ND ST

Year	Uses	Source
2001	GONZALEZNalividad	Haines & Company, Inc.

FINDINGS

1118 W 152ND ST

Year	Uses	Source
2001	SANDOVALCarlos	Haines & Company, Inc.

W ALMOND ST

937 W ALMOND ST

Year	Uses	Source
2001	KIRKS Karen	Haines & Company, Inc.
1985	WYNNE GEO H	Pacific Bell
1964	WYNNE GEO H	Pacific Telephone
1960	WYNNE GEO H	Pacific Telephone
1954	DERBYSHIRE EDGAR W R	R. L. Polk & Co.
1951	Derbyshire E W	Pacific Directory Co.

941 W ALMOND ST

Year	Uses	Source
2001	OCLAYTONMae	Haines & Company, Inc.
1954	KESSLERJ L R	R. L. Polk & Co.
1951	AKesslcr J K	Pacific Directory Co.
1950	KESSLER J K R	Pacific Telephone

945 W ALMOND ST

Year	Uses	Source
2001	NETTLES Freddie L	Haines & Company, Inc.
1985	PRINCE T C	Pacific Bell
1960	PRINCE T C	Pacific Telephone
1957	PRINCE T C	Pacific Telephone
1954	GWIN KENCETH E R	R. L. Polk & Co.
1951	AGwin K E	Pacific Directory Co.
1950	GWIN KENNETH E R	Pacific Telephone

949 W ALMOND ST

Year	Uses	Source
2001	SWANSONImogene	Haines & Company, Inc.
1985	SWANSON IMOGENE	Pacific Bell
1976	Swanson Imogene	Pacific Telephone
1964	WILLIAMS ROBT A	Pacific Telephone
1957	WILLIAMS R G	Pacific Telephone
1954	MILLER JOHN L R	R. L. Polk & Co.
1951	AMiller J L	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1950	MILLER JOHN L R	Pacific Telephone

953 W ALMOND ST

Year	Uses	Source
1985	MATHERSHED W	Pacific Bell
1980	MATHERSHED W	Pacific Telephone
1975	MATHERSHED W	Pacific Telephone
1957	OCELLO LOUIS C	Pacific Telephone
1954	OCELLO LOUIS C R	R. L. Polk & Co.
1951	AOcello L S	Pacific Directory Co.

957 W ALMOND ST

Year	Uses	Source
2001	DIAZArtuna	Haines & Company, Inc.
1960	GOMEZ MAX	Pacific Telephone
1957	GOMES MAX	Pacific Telephone
1954	GOMEZ MAX	R. L. Polk & Co.
1951	ABurgesser F W	Pacific Directory Co.
1950	BURGESSER F W R	Pacific Telephone

961 W ALMOND ST

Year	Uses	Source
2001	FAULKNERTommy	Haines & Company, Inc.
1980	FAULKNER TOMMY L JR	Pacific Telephone
1975	FAULKNER TUMMY L JR	Pacific Telephone
1964	BISHOP BEATRICE N	Pacific Telephone
1951	APorter H J	Pacific Directory Co.
1950	WILES C HR	Pacific Telephone

965 W ALMOND ST

Year	Uses	Source
1985	POOL JAS	Pacific Bell
1980	POOL JAS	Pacific Telephone
1975	POOL JAS	Pacific Telephone
1951	AKaplanek R J	Pacific Directory Co.

969 W ALMOND ST

Year	Uses	Source
2001	SBATTLE Nathan	Haines & Company, Inc.
1985	JONES SHIRLEY	Pacific Bell

FINDINGS

Year	Uses	Source
1960	WIEGELT ROBT	Pacific Telephone
1957	WIEGELT ROBT	Pacific Telephone
1954	WIEGELT ROBTR	R. L. Polk & Co.
1951	AWiegelt Robt	Pacific Directory Co.
1950	WIEGELT ROBTR	Pacific Telephone

973 W ALMOND ST

Year	Uses	Source
2001	WIMNM	Haines & Company, Inc.
1985	WRAGGS LESSIE DEAN	Pacific Bell
	WRAGGS LESSIE D	Pacific Bell
1976	Wraggs Lessie Dean	Pacific Telephone
1964	KELLY JAS	Pacific Telephone
1960	BLAIZE ALDWIN L	Pacific Telephone
1957	BLAIZE ALDWIN L	Pacific Telephone
1954	LASS H W MIKE R	R. L. Polk & Co.
1951	ALass H W M	Pacific Directory Co.
1950	LASS H W MIKE R	Pacific Telephone

1001 W ALMOND ST

Year	Uses	Source
2001	SMERCADOSeraltio	Haines & Company, Inc.
1985	TAYLOR ROSIE	Pacific Bell
1980	ESTERS WINSTON J SR	Pacific Telephone
1975	ESTERS WINSTON J SR	Pacific Telephone
1960	ESTERS ROYCE W	Pacific Telephone
1954	ROBINSON ROSS A R	R. L. Polk & Co.
1951	ARobinson R A	Pacific Directory Co.
1950	SMITH WM IT COMDR RET R	Pacific Telephone

1005 W ALMOND ST

Year	Uses	Source
1964	TRAMBLE SYLVESTER	Pacific Telephone
1957	JAMES ISABELLE	Pacific Telephone
1954	TREWEEK LOYAL S R	R. L. Polk & Co.
1951	ATrewecp L S	Pacific Directory Co.
1950	AMES WM A JR R	Pacific Telephone

FINDINGS

1009 W ALMOND ST

Year	Uses	Source
2001	DANDRIDGEHyacinth	Haines & Company, Inc.
1985	DANDRIDGE DARLENE M	Pacific Bell
	LAKE HYACINTH M	Pacific Bell
1980	DANDRIDGE DARLENE M	Pacific Telephone
	LAKE HYACINTH M	Pacific Telephone
1976	Lake Hyacinth M	Pacific Telephone
	Dandridge Hiedy V	Pacific Telephone
1975	LAKE HYACINTH M	Pacific Telephone
	DANDRIGE DARLENE M	Pacific Telephone
1964	LAKE HYACINTH M	Pacific Telephone
1960	LAKE HYACINTH M	Pacific Telephone
1958	Lake Hyacinth M	Pacific Telephone
1957	LAKE HYACINTH NI	Pacific Telephone
1954	DANDRIDGE HENRY	R. L. Polk & Co.
1951	ADorsott H H	Pacific Directory Co.
1950	DORSETT H H R	Pacific Telephone

W COMPTON BLVD

851 W COMPTON BLVD

Year	Uses	Source
2001	BCCTRUCKINGAND	Haines & Company, Inc.
1995	Davis Linn atty at law	Pacific Bell
	Duncan Anthony DDS	Pacific Bell
	Ortega John Ratty	Pacific Bell
	Joyce Maureen C atty	Pacific Bell
1976	Carter Philip M atty	Pacific Telephone
	Hall Roland W Sr atty	Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION	Pacific Telephone
1971	Action Enterprises	Pacific Telephone
	Washington Geo Jr Dr dntst	Pacific Telephone
1964	WASHINGTON GEO JR DR DNTST	Pacific Telephone

857 W COMPTON BLVD

Year	Uses	Source
1964	K C APPLIANCES & SERV	Pacific Telephone
1954	ZUCKWEILER W E	R. L. Polk & Co.

Year	Uses	Source
1951	AGump Bros poultry	Pacific Directory Co.

861 W COMPTON BLVD

Year	Uses	Source
2001	FRANKSBARBER	Haines & Company, Inc.
1951	1/2 Dale W W	Pacific Directory Co.
	Belin L M Mrs	Pacific Directory Co.

W Compton Blvd

863 W Compton Blvd

Year	Uses	Source
2014	MARSHALL TERRY	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive
2010	MARSHALL / SONS LANDSCAPING CO	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive

W COMPTON BLVD

863 W COMPTON BLVD

Year	Uses	Source
2001	LOZANOJosfeina 00 I	Haines & Company, Inc.
1995	Elizarraras Emigdio	Pacific Bell
1975	AGUILAR GLORIA	Pacific Telephone
1964	HODGE GULOY V	Pacific Telephone
	HODGE LENA K	Pacific Telephone
1957	DEMOREE FRANK	Pacific Telephone
1951	ASpencer W S	Pacific Directory Co.
1950	SPENCER WM S R	Pacific Telephone

873 W COMPTON BLVD

Year	Uses	Source
2001	HEINANDEZBsmardo	Haines & Company, Inc.

W Compton Blvd

891 W Compton Blvd

Year	Uses	Source
2010	GRIMALDO RUBEN	EDR Digital Archive

FINDINGS

W COMPTON BLVD

891 W COMPTON BLVD

Year	Uses	Source
2001	TORREZRa 5a	Haines & Company, Inc.
1975	HOLLOWAY MELVILLE J	Pacific Telephone
1964	HOLLOWAY MELVILLE J	Pacific Telephone
1960	HOLLOWAY MELVILLE J	Pacific Telephone
1957	HOLLOWAY MELVILLE J	Pacific Telephone
1954	SONES WAYNE H R	R. L. Polk & Co.
1951	ASoncs W H	Pacific Directory Co.
1950	SONES WAYNE H R	Pacific Telephone
1947	Sones W H	Pacific Directory Co.

W Compton Blvd

901 W Compton Blvd

Year	Uses	Source
2014	ANTISTA INC	EDR Digital Archive

W COMPTON BLVD

901 W COMPTON BLVD

Year	Uses	Source
2001	SDALEShrley	Haines & Company, Inc.
1985	DALES APPLIANCES & SERVICE	Pacific Bell
1980	DALES APPLIANCES & SERVICE	Pacific Telephone
1975	DALE S APPLIANCES & SERVICE	Pacific Telephone
1964	FASHION CLEANERS	Pacific Telephone
1960	FASHION CLEANERS	Pacific Telephone
1957	GEORGE S CLEANERS	Pacific Telephone
1954	EXCEL CLEANERS	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Vacant	Pacific Directory Co.

W Compton Blvd

903 W Compton Blvd

Year	Uses	Source
2010	J ROOFING	EDR Digital Archive

FINDINGS

W COMPTON BLVD

903 W COMPTON BLVD

Year	Uses	Source
2001	DANIELSRENTAL	Haines & Company, Inc.
1971	Countee Noyal Realty	Pacific Telephone
1954	HENRIETTA S BEAUTY SALON	R. L. Polk & Co.

W Compton Blvd

905 W Compton Blvd

Year	Uses	Source
2010	FLAVA INC	EDR Digital Archive

W COMPTON BLVD

905 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Sir Chriss Beauty Salon	Pacific Bell
1985	HAIR AND NAILS UNLIMITED	Pacific Bell
	HAIR AND NAILS UNLIMITED	Pacific Bell
1976	Calloway Monument Co	Pacific Telephone
	Calloway Harry	Pacific Telephone
1960	ALCO MAINTENANCE CO	Pacific Telephone
1957	WOODS RADIO & TV SHOP	Pacific Telephone
1951	Vacant	Pacific Directory Co.

W Compton Blvd

909 W Compton Blvd

Year	Uses	Source
2014	CALLOWAY MONUMENT CO	EDR Digital Archive
2010	CALLOWAY MONUMENT CO	EDR Digital Archive

W COMPTON BLVD

909 W COMPTON BLVD

Year	Uses	Source
2001	CALLOWAYMNMNTCO	Haines & Company, Inc.
1995	Calloway Monument Co	Pacific Bell

Year	Uses	Source
1964	ALCO MAINTENANCE CO	Pacific Telephone
1957	MULE TRUCK LINE	Pacific Telephone
1951	AFowlie W H trailer rentals	Pacific Directory Co.
1950	FOWLIE WM H TRAILR RENTALS	Pacific Telephone
1947	Fowlie W H trailer rentals	Pacific Directory Co.

W Compton Blvd

911 W Compton Blvd

Year	Uses	Source
2014	WALKERS TV SERVICE	EDR Digital Archive
	BJ WALKERS TV SERVICE	EDR Digital Archive
2010	BJ WALKERS TV SERVICE	EDR Digital Archive
	WALKERS TV SERVICE	EDR Digital Archive

W COMPTON BLVD

911 W COMPTON BLVD

Year	Uses	Source
2001	TILLMANLinda 00 I WALKERSAPPLIANCE	Haines & Company, Inc.
1995	Walkers Appliance Service	Pacific Bell
	Walkers TV Service	Pacific Bell
1960	NU-FASHION BARBER SHOP	Pacific Telephone
1957	EXCEL CLEANERS	Pacific Telephone

913 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MADDOX CLIFFORD	Pacific Bell

919 W COMPTON BLVD

Year	Uses	Source
2001	ANDRESWROUGHT	Haines & Company, Inc.
1995	One Day Home Care Iron Sales	Pacific Bell
1980	PACIFIC EXPRESS ORNAMENTAL IRON	Pacific Telephone
1975	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone
	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	SINE WAVE CORP	Pacific Telephone

923 W COMPTON BLVD

Year	Uses	Source
1960	EXCEL CLEANERS	Pacific Telephone

925 W COMPTON BLVD

Year	Uses	Source
1940	Vacant	Los Angeles Directory Co.

W Compton Blvd

929 W Compton Blvd

Year	Uses	Source
2010	MUEBLERIA LOS AMIGOS	EDR Digital Archive

W COMPTON BLVD

929 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1957	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1954	MAC S RADIATOR SERV	R. L. Polk & Co.
1951	AMacs Radiator Serv	Pacific Directory Co.
1950	MAC S RADIATOR SERV	Pacific Telephone

933 W COMPTON BLVD

Year	Uses	Source
2001	CENTRLSYSTEMS	Haines & Company, Inc.
1980	A A AUTO REPAIR	Pacific Telephone
1975	A A AUTO REPAIR	Pacific Telephone
1964	A A A AUTO REPAIR	Pacific Telephone

935 W COMPTON BLVD

Year	Uses	Source
2001	SOOOAshok	Haines & Company, Inc.

FINDINGS

937 W COMPTON BLVD

Year	Uses	Source
1957	TOPANGA TUBE CO ELECTREC TUBES	Pacific Telephone
1954	HUB CITY UPHOLSTERY	R. L. Polk & Co.
1951	ACompton Mattress Shop	Pacific Directory Co.
1950	COMPTON MATTRESS CO	Pacific Telephone

W Compton Blvd

939 W Compton Blvd

Year	Uses	Source
2010	YOUNGS STYLE CENTER	EDR Digital Archive

W COMPTON BLVD

939 W COMPTON BLVD

Year	Uses	Source
2001	YOUNGSSTYLE	Haines & Company, Inc.
1995	Youngs Style Center	Pacific Bell
	Youngs Style Center	Pacific Bell
1985	WIZ STORE	Pacific Bell
1964	WATKINS PRODUCTS DISTRIBUTORS	Pacific Telephone
1960	G S PUBLIC RELATION SYSTEM	Pacific Telephone
1957	NOMIA S BEAUTY SALON	Pacific Telephone
1954	MYHAND-KELLY HDWE CO	R. L. Polk & Co.
1951	AMyhand Kelly Hdw Co	Pacific Directory Co.
1950	MYHAND-KEILY HDWE CO	Pacific Telephone

940 W COMPTON BLVD

Year	Uses	Source
1947	Enterprise High Schi	Pacific Directory Co.

W Compton Blvd

941 W Compton Blvd

Year	Uses	Source
2010	DIAZ JOSE M	EDR Digital Archive

FINDINGS

W COMPTON BLVD

941 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	ADELL S BAR-B-Q	Pacific Bell
1980	ADELLS BAR B Q	Pacific Telephone
1975	ADELLS BAR B Q	Pacific Telephone
1964	LEONARD S BAR-B-Q	Pacific Telephone
1960	HARRIS BAR-B-QUE	Pacific Telephone
1957	GLOSSON S BARBECUE	Pacific Telephone
1954	KATHIE S CHICKEN PIES	R. L. Polk & Co.
1951	a Offenhauscr Fred	Pacific Directory Co.
	AOffenhauser Fred bakery	Pacific Directory Co.
1950	KATBIE S CHICKEN PIES	Pacific Telephone
1947	Barclay Albt bkry	Pacific Directory Co.

945 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Tapia Maria Elena	Pacific Bell
	Carolyn Fikess Gifts	Pacific Bell
	One Nation Enterprise	Pacific Bell
1985	HUBBARD WILLIE B	Pacific Bell
1960	FORST BESSIE M	Pacific Telephone
1954	FORST W E R	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
	AForat W E	Pacific Directory Co.
1950	FORST W E R	Pacific Telephone
1947	Forst & Son radiator repr	Pacific Directory Co.
	Under Construction	Pacific Directory Co.

962 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

963 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

965 W COMPTON BLVD

Year	Uses	Source
1975	MEYERS GENE	Pacific Telephone
1971	Acme Answering Service	Pacific Telephone
1964	ACME ANSWERING SERV	Pacific Telephone
1960	KELSEYS TERMITE CONTROL CO	Pacific Telephone
1957	AGUAYO JOSE	Pacific Telephone
1951	AStanley J D	Pacific Directory Co.
1950	WORKMAN OSCAR MRS R	Pacific Telephone

975 W COMPTON BLVD

Year	Uses	Source
1995	Flowers & Much More	Pacific Bell
	Gonzalez Rosa	Pacific Bell
1980	GRAY TRUMAN	Pacific Telephone

979 W COMPTON BLVD

Year	Uses	Source
1985	J P SAMPLE SHOP	Pacific Bell
1980	J P SAMPLE SHOP	Pacific Telephone
1975	J P SAMPLE SHOP	Pacific Telephone

981 W COMPTON BLVD

Year	Uses	Source
1985	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Bell
	WEBB S PIANO SERVICE	Pacific Bell
1980	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Telephone
1976	Woolfolk Henderson K Ins Agcy	Pacific Telephone
	Henderson K Woolfolk Ins Agcy	Pacific Telephone
1975	HENDERSON K WOOLFOLK INS ASCY	Pacific Telephone
1964	S S S MEN S CLOTHING & CERAMICS	Pacific Telephone

W Compton Blvd

983 W Compton Blvd

Year	Uses	Source
2014	LORETOS FRIED TURKEY	EDR Digital Archive
2010	LORETOS FRIED TURKEY	EDR Digital Archive

FINDINGS

W COMPTON BLVD

983 W COMPTON BLVD

Year	Uses	Source
1985	SIMS CHOP SUEY NO 5	Pacific Bell
1975	CARL S CANDY STORE	Pacific Telephone

W Compton Blvd

985 W Compton Blvd

Year	Uses	Source
2010	V NEWS	EDR Digital Archive

W COMPTON BLVD

985 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1985	UNITED RUBBER WORKERS OF AMERICA LOCAL NO 451 AFLCIO	Pacific Bell
1964	WEBB S PIANO SHOP	Pacific Telephone
	WEBB OTBA L WEBB S PIANO SHOP	Pacific Telephone

987 W COMPTON BLVD

Year	Uses	Source
2001	BAILEYJulia	Haines & Company, Inc.
1995	Scott & Tolberts Barber Shop	Pacific Bell
1985	SCOTT & TOLBERT S BARBER SHOP	Pacific Bell

W Compton Blvd

989 W Compton Blvd

Year	Uses	Source
2010	HOUSE OF BEAUTY	EDR Digital Archive

W COMPTON BLVD

989 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1995	Wessie & Jeanette House Of Beauty	Pacific Bell

Year	Uses	Source
1985	WESSIE & JEANETTE HOUSE OF BEAUTY	Pacific Bell

995 W COMPTON BLVD

Year	Uses	Source
1985	QTS	Pacific Bell
1980	BARBARA ANN COMMUNITY MARKET	Pacific Telephone
1975	MCDANIEL MKT	Pacific Telephone
1964	MCDANIEL MKT	Pacific Telephone
1960	MCDANIEL MKT	Pacific Telephone

W Compton Blvd

1001 W Compton Blvd

Year	Uses	Source
2010	HOOPERS CARPETS	EDR Digital Archive
	COOPERS AUTO	EDR Digital Archive

W COMPTON BLVD

1001 W COMPTON BLVD

Year	Uses	Source
2001	3 DOBSONLIllie	Haines & Company, Inc.
1995	Hoopers Carpet	Pacific Bell
1985	HOOPER S CARPET	Pacific Bell
1980	HOOPERS CARPET	Pacific Telephone
1975	HOLIFIELD CARPET CO	Pacific Telephone
1954	WALTON S RICHFIELD SERV	R. L. Polk & Co.
1951	a Sinclair C B	Pacific Directory Co.
	Sinclair C B gas sta	Pacific Directory Co.
1947	Sinclair C B gas sta	Pacific Directory Co.

1009 W COMPTON BLVD

Year	Uses	Source
1995	Brack Berkley Billiards	Pacific Bell
	Nancys Nails	Pacific Bell

FINDINGS

W Compton Blvd

1011 W Compton Blvd

Year	Uses	Source
2010	NU 2 U THRIFT STORE	EDR Digital Archive

W COMPTON BLVD

1011 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	BLACKSHIRE JERRY TRUCKING GARDENA	Pacific Bell
1985	BLACKSHIRE JERRY TRUCKING	Pacific Bell
1957	JONES MARVIN A	Pacific Telephone
1954	HUGHES ROBT R	R. L. Polk & Co.
1951	Hughes RR	Pacific Directory Co.
1947	Rushlow H C	Pacific Directory Co.

W Compton Blvd

1015 W Compton Blvd

Year	Uses	Source
2010	NANCY NAILS	EDR Digital Archive

W COMPTON BLVD

1015 W COMPTON BLVD

Year	Uses	Source
1985	COMPTON CRUSADE OUTREACH	Pacific Bell
1980	COMPTON CRUSADE OUTREACH	Pacific Telephone

W Compton Blvd

1016 W Compton Blvd

Year	Uses	Source
2014	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive
2010	YOUNGKON CORP	EDR Digital Archive
	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1016 W COMPTON BLVD

Year	Uses	Source
2001	NATES LIQUOR	Haines & Company, Inc.
1995	Nates Liquor	Pacific Bell
1985	NATE S LIQUOR	Pacific Bell
1980	B & G LIQUOR	Pacific Telephone
1975	MEMO LIQUOR INC	Pacific Telephone
1964	MEMO LIQUOR INC	Pacific Telephone
1947	Copeland Ferne	Pacific Directory Co.

1018 W COMPTON BLVD

Year	Uses	Source
2001	MORALESReyes	Haines & Company, Inc.
1995	Fierros Carmen	Pacific Bell
1960	ANNIE RUTHS PHYSICAL THERAPY SERV	Pacific Telephone
1947	Mc Laughlin J T	Pacific Directory Co.

1020 W COMPTON BLVD

Year	Uses	Source
2001	DRTEGARodolo 00 I	Haines & Company, Inc.
1985	HOLIFIELD CLEVELAND SR	Pacific Bell
1980	MUHAMMAD SHADEED	Pacific Telephone
	HOLIFIELD CLEVELAND SR	Pacific Telephone
1971	Victorian Annie Ruth	Pacific Telephone
	Rhoten Annie Ruth Dr	Pacific Telephone
1960	WALLENDAL BERNICE H	Pacific Telephone
	HODGE LENA K	Pacific Telephone
	HODGE GULEY V	Pacific Telephone
1954	TORY TESTER W	R. L. Polk & Co.

W Compton Blvd

1021 W Compton Blvd

Year	Uses	Source
2010	J J PLACE	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1021 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	B S CLEANERS	Pacific Telephone
1975	B S CLEANERS	Pacific Telephone
1964	R & H MEAT	Pacific Telephone
1960	POLLARD S MKT	Pacific Telephone
1957	POLLARD S MKT	Pacific Telephone
1954	DERRY S MKT	R. L. Polk & Co.
1951	Derry V gro	Pacific Directory Co.
	a enoo Drrv Dale	Pacific Directory Co.
1950	DERRY S MKT	Pacific Telephone
1947	Derrys Market	Pacific Directory Co.
	a Derry Dale	Pacific Directory Co.

1022 W COMPTON BLVD

Year	Uses	Source
1995	Family Charitable & Educational Services	Pacific Bell
1985	EXOTIC INN MOTEL	Pacific Bell
1967	Science of Desired Living Institute Hdqtrs The	Pacific Telephone
1964	TEMPLE OF DESIRED LIVING THE	Pacific Telephone
1950	HALL JOLER	Pacific Telephone
1947	Hall J D	Pacific Directory Co.

1023 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Willie Perrys	Pacific Bell
1985	WILLIE PERRYS	Pacific Bell
1975	OTTO S SERVICE CENTER	Pacific Telephone
1964	CREWR MUFFLER SHOP	Pacific Telephone
1960	CREW R MUFFLER SHOP	Pacific Telephone
1957	CREW R FIX-IT SHOP	Pacific Telephone
1954	GENUNG JESSIE M	R. L. Polk & Co.
	TAYLOR HARRY L	R. L. Polk & Co.
1951	a Genunq Eula Mrs	Pacific Directory Co.
1947	Erlitz P F printer	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	a Genung Eula Mrs	Pacific Directory Co.

1025 W COMPTON BLVD

Year	Uses	Source
1964	SAMPSON BERNICE	Pacific Telephone
1960	COOPER VARREE	Pacific Telephone
1957	BALSTAD GERHARD	Pacific Telephone
1954	BALSTAD GERHARD R	R. L. Polk & Co.
1951	ABalstad Gerhard	Pacific Directory Co.
1950	BALSTAD GERHARD R	Pacific Telephone
1947	Savage Ralph	Pacific Directory Co.

1027 W COMPTON BLVD

Year	Uses	Source
1957	MARSHALL JESSIE M	Pacific Telephone
1954	WHITE SALLIE F	R. L. Polk & Co.
1951	Kummcrfeld Keith	Pacific Directory Co.
1947	Balstad Gerhard	Pacific Directory Co.

1028 W COMPTON BLVD

Year	Uses	Source
1990	RUSHING NORT S GARDENA	Pacific Bell
1986	RUSHING NORT S GARDENA	Pacific Bell
	WILLIAMS JIMMIE JR GARDENA	Pacific Bell
1985	APPLEWHITE R	Pacific Bell
	CHO WOO JAE	Pacific Bell
	HUNT MARTHA	Pacific Bell
	JACOBSON JEFF Y	Pacific Bell
	JUNG WOONG-KIL	Pacific Bell
	LESSER M B	Pacific Bell
	MA T	Pacific Bell
	MARTINEZ ROSA	Pacific Bell
	MC DEVITT K	Pacific Bell
	MOY SHUK K	Pacific Bell
	NIZAMI ARIF	Pacific Bell
	NUGENT MARK	Pacific Bell
	QUO VADIS APARTMENTS I	Pacific Bell
	RUSHING NORT S	Pacific Bell
	SANCHEZ MARIO	Pacific Bell

FINDINGS

Year	Uses	Source
1985	SULLINS HARVEY E	Pacific Bell
	THOMAS ELIZABETH	Pacific Bell
	WEBB WILLIE LEE	Pacific Bell
	WHEELER CORNELL	Pacific Bell
	WILLIAMS JIMMIE JR	Pacific Bell
	YESSAAD KARIM	Pacific Bell
	YOON KI SEUNG	Pacific Bell
1981	AREDAS DANL GARDENA	Pacific Telephone
	RUSHING NORT S GARDENA	Pacific Telephone
1980	BADOY NORMA S	Pacific Telephone
	DIAZ WM J	Pacific Telephone
	LESSER M B	Pacific Telephone
	MESA LARRY P	Pacific Telephone
	BADOY NORMA S	Pacific Telephone
	GORDON VIOLET	Pacific Telephone
	HAJNAL GEORGE	Pacific Telephone
	INGRAM DAVID	Pacific Telephone
	JONES KENNETH L	Pacific Telephone
	KELLY DONALD	Pacific Telephone
	KEOHO C M	Pacific Telephone
	KUBOTA D	Pacific Telephone
	LATHROP DAVID	Pacific Telephone
	LEE LINDA	Pacific Telephone
	LEE REUBEN	Pacific Telephone
1976	Jones Lisa J	Pacific Telephone
	Moore Katherine	Pacific Telephone
	Mosley Merion W	Pacific Telephone
	Humphries Roslyn	Pacific Telephone
	Johns Freddie Lee	Pacific Telephone
1975	BLOUNT ELIZABETH	Pacific Telephone
	CHISM SHELIA	Pacific Telephone
	DURAN MATIAS M	Pacific Telephone
	GRINLEY ROBT	Pacific Telephone
	HALLIDAY CHAS R	Pacific Telephone
	HARRIS HUBERT	Pacific Telephone
	HODGE ROBERT A	Pacific Telephone
	JOHNS FREDDIE LEE	Pacific Telephone
	MILES MARVIN	Pacific Telephone

Year	Uses	Source
1975	MOORE KATHRINE	Pacific Telephone
	MORINELLO JAS	Pacific Telephone
	MOSLEY MERION W	Pacific Telephone
	MULLIGAN MARK	Pacific Telephone

1029 W COMPTON BLVD

Year	Uses	Source
1967	Wilkey Leroy	Pacific Telephone
1964	HARRIS OLA	Pacific Telephone
	HARRIS WILLIE S	Pacific Telephone
	WILKEY LEROY	Pacific Telephone
1960	ROSS LOIS N	Pacific Telephone
1954	DITTENBER VIOLET R	R. L. Polk & Co.
1951	a ADittnber Geo	Pacific Directory Co.
	b Gonung M R	Pacific Directory Co.
	c Whitley Wm jr	Pacific Directory Co.
	d Mcllroy Otis	Pacific Directory Co.
	e Thompson J M	Pacific Directory Co.
1950	DITTENBER GEO H R	Pacific Telephone
1947	Genung M R	Pacific Directory Co.

1038 W COMPTON BLVD

Year	Uses	Source
2001	COMNT	Haines & Company, Inc.

1048 W COMPTON BLVD

Year	Uses	Source
1980	INTERNATIONAL BUDDHIST PROGRESS SOCIETY	Pacific Telephone
1970	SAINT THOMAS LUTHERAN CHURCH	Pacific Telephone
1960	MCCRACKEN LEVE	Pacific Telephone
1957	MCCRACKEN LEVE	Pacific Telephone
1954	MCCRACKEN LEVE	R. L. Polk & Co.
1950	MCCRACKEN LEVE R	Pacific Telephone

1100 W COMPTON BLVD

Year	Uses	Source
2001	HARTHOLIFIELEmrly	Haines & Company, Inc.
1981	ASBURY W W OIL SALES & SERVICE COMPTON	Pacific Telephone
1980	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1975	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1971	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

1108 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	JENNINGS FURNITURE	Pacific Bell
	MANUEL GOMEZ	Pacific Bell
1975	JAMES METAL POLISHING CO	Pacific Telephone

1116 W COMPTON BLVD

Year	Uses	Source
1964	KELLY JAS A	Pacific Telephone
1960	KELLY JAS A	Pacific Telephone
1957	KETLY JAS A	Pacific Telephone
1954	L(ELLY JAS A	R. L. Polk & Co.
1950	KELLY JAS A R	Pacific Telephone

W Compton Blvd

1118 W Compton Blvd

Year	Uses	Source
2014	VISTA COATINGS INC	EDR Digital Archive
2010	VISTA COATINGS INC	EDR Digital Archive

W COMPTON BLVD

1118 W COMPTON BLVD

Year	Uses	Source
2001	ACUNAMIchaal	Haines & Company, Inc.
1995	Vista Coatings Inc	Pacific Bell
1985	B & B COATING	Pacific Bell
1981	B & W PLATING CO INC COMPTON	Pacific Telephone
1980	B & W PLATING CO INC	Pacific Telephone
1975	B & W PLATING CO	Pacific Telephone
1971	B & W Plating Co	Pacific Telephone

FINDINGS

1120 W COMPTON BLVD

Year	Uses	Source
1980	LAMIS WM D	Pacific Telephone
1975	KAMEI AKEMI	Pacific Telephone
1964	LAMIS GRACE	Pacific Telephone
1960	GARRETT BESSIE H MRS	Pacific Telephone
	LINCOLN K M	Pacific Telephone
	REHM WM G	Pacific Telephone
	TOLAND THOS A	Pacific Telephone
1957	GANRTT BESSUE H MRS	Pacific Telephone
1954	GARRETT BESSIE H MRS	R. L. Polk & Co.
1950	GARRETT BESSLE H MRSF R	Pacific Telephone

1126 W COMPTON BLVD

Year	Uses	Source
1950	SOUTHERN CALIFORNIA WATER COMPANY GARDENA	Pacific Telephone

1130 W COMPTON BLVD

Year	Uses	Source
1986	MCMILLAN CLARECE GARDENA	Pacific Bell
1985	ARAI HIDEO	Pacific Bell
	BULL ANGELA C	Pacific Bell
	FOSTER CORNEL	Pacific Bell
	FUNAYAMA YUNY Y	Pacific Bell
	HO CHUNG	Pacific Bell
	KERSEY C	Pacific Bell
	KIKUCHI D	Pacific Bell
	KIYOTO FUMIHIRO	Pacific Bell
	MANNARI TSUTOMU	Pacific Bell
	MCMILLAN CLARECE	Pacific Bell
	OHIZUMI SATOSHI	Pacific Bell
	OSHIMO JERRY	Pacific Bell
	PARK HENRY	Pacific Bell
	PEGOUSKE E L	Pacific Bell
	RICE THOS J	Pacific Bell
	RODRIGUEZ GREGORIO N	Pacific Bell
	TAKARA JOHN	Pacific Bell
	TOKURA ISAO	Pacific Bell
1981	MCMILLAN CLARECE GARDENA	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	CONTRERAS RICARDO	Pacific Telephone
	FRANCO PEDRO	Pacific Telephone
	FUNAYAMA YUNY Y	Pacific Telephone
	HTWE MAUNG M	Pacific Telephone
	KOHARA KEIZO	Pacific Telephone
	LOPEZ CONSTANTINO M	Pacific Telephone
	MALDONADO JULIO	Pacific Telephone
	MCMILLAN CLARECE	Pacific Telephone
	ORTEGA EMELIA	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PESZESZER EVA	Pacific Telephone
1976	Mc Millan Clarece	Pacific Telephone
1975	BOGARD LOUIS	Pacific Telephone
	CHAN LUPLIN	Pacific Telephone
	DEFENDORF DE LOYCE P	Pacific Telephone
	DOMINGUEZ RICHARD L	Pacific Telephone
	EXLINE WM A	Pacific Telephone
	GORDON HARRY	Pacific Telephone
	GOSA QUENTELLA	Pacific Telephone
	GUERA HENRY	Pacific Telephone
	HEIN S L	Pacific Telephone
	HERNANDEZ OSCAR	Pacific Telephone
	KOBAYASHI NORIMITSU I	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	MATSUSHITA M	Pacific Telephone
	MCGRADY K	Pacific Telephone
	MCGREGOR BERRY	Pacific Telephone
	MCMILLAN CLARENCE	Pacific Telephone
	MILLER Y E	Pacific Telephone
	NAKAMOTO YUJI	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PAL SUNG JA LEE	Pacific Telephone
1970	BALISKI CHERYL	Pacific Telephone
	BEITMAN JEAN	Pacific Telephone
	COPENHAVER HAROLD A	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	GREGG ROBT	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	HAGIWARA MASAAKI	Pacific Telephone
	HARADA LAWRENCE S	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	ITO SHIGERU H	Pacific Telephone
	KAWASHIMA YASUMASA	Pacific Telephone
	KIEWEL ANTHONY R	Pacific Telephone
	KIMBLE RONALD W	Pacific Telephone
	KREGNESS JAS	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	LA LIBERTE MARY	Pacific Telephone
	LEWELLEN DON	Pacific Telephone
	LILAOOWALA RASHID	Pacific Telephone
	NAKAMURA K	Pacific Telephone
	NELSON MARVIN	Pacific Telephone
	HO CHUNG	Pacific Telephone
	HO CHUNG	Pacific Telephone
	NIEMANN MILTON H	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PIERSON ALBERT O	Pacific Telephone
	RADISICH THOMAS	Pacific Telephone
	SERRANO PETE	Pacific Telephone
1964	BAILEY FRANCES L	Pacific Telephone
	BRANSON RENEE	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	FARRIS REBECCA	Pacific Telephone
	GARRATT DONALD	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	LANG JUDY	Pacific Telephone
	MERHA FRANK	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PRATHER R LARRY	Pacific Telephone
	RILEY ROBT K	Pacific Telephone
	SCAFFIDI ROY T	Pacific Telephone
	TARCA EDW L	Pacific Telephone
1957	SINGER JAS N	Pacific Telephone
	SINGER JOHN A	Pacific Telephone
1954	SINGER JAS M	R. L. Polk & Co.

Year	Uses	Source
1950	SINGER JAS M R	Pacific Telephone

1133 W COMPTON BLVD

Year	Uses	Source
1975	MAURMAN MARGLE MRS	Pacific Telephone
1970	MAURMAN MARGIE MRS	Pacific Telephone
1964	MAURMAN MARGIE MRS	Pacific Telephone
1960	MAURMAN MARGIE MRS	Pacific Telephone
1957	MAURMAN MARGIE MRS	Pacific Telephone

1136 W COMPTON BLVD

Year	Uses	Source
1950	HAGER CHAS F R	Pacific Telephone

1139 W COMPTON BLVD

Year	Uses	Source
1985	TUAI ERIC J	Pacific Bell
1970	SMALLEY WM R	Pacific Telephone
1964	SMALLEY WM R	Pacific Telephone
1960	SMALLEY WM R	Pacific Telephone
1957	SMALLEY WINNETKA R	Pacific Telephone

1145 W COMPTON BLVD

Year	Uses	Source
1985	BOWLING BANKS D	Pacific Bell
1981	BOWLING BANKS D GARDENA	Pacific Telephone
1980	BOWLING BANKS D	Pacific Telephone
1976	Bowling Banks D	Pacific Telephone
1975	BOWLING BANKS D	Pacific Telephone
	BOWLING BRAD	Pacific Telephone
1971	Bowling Banks D	Pacific Telephone
1970	B-B RUBBISH DISPOSAL CO	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1967	Bowling Banks D	Pacific Telephone
1964	B B RUBBISH	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1962	Bowling Banks D	Pacific Telephone
1960	BOWLING BANKS D	Pacific Telephone
1958	Bowling Banks D	Pacific Telephone
1957	BOWLING BANKS D	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	PALMER CHET RLTR	R. L. Polk & Co.

1148 W COMPTON BLVD

Year	Uses	Source
1985	ALBEE J	Pacific Bell
	AUSMAN MABLE	Pacific Bell
	BLANCHARD ALICE	Pacific Bell
	JANES ARTHUR V	Pacific Bell
	MARTINEZ F P	Pacific Bell
	MOORE L	Pacific Bell
	RABE JOS J	Pacific Bell
	SAKATANI RICHARD	Pacific Bell
	SALOMAA SAM	Pacific Bell
	STANCLIFFE CALRICE	Pacific Bell
	TANIMOTO BERT & YUMIKO	Pacific Bell
1980	AUSMAN MABLE	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	KICZA JOHN E	Pacific Telephone
	MARSH PAUL & KATHERINE	Pacific Telephone
1976	Okamura Tom	Pacific Telephone
1975	MAGEL BEN	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	HOU GEO T	Pacific Telephone
	AUSMAN MABLE	Pacific Telephone
1971	Tani Tom T	Pacific Telephone
1970	CHODA PHILIP	Pacific Telephone
	FOREMAN DENNY R	Pacific Telephone
	GREEN WM E	Pacific Telephone
	HONDA PAUL	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	LEWIS CAROL	Pacific Telephone
	NIELAND CHAS R	Pacific Telephone
	OTA EDDIE M	Pacific Telephone
	RABRE JOS J	Pacific Telephone
	SILVIO JOS	Pacific Telephone
	TAYLOR B J	Pacific Telephone
1964	BOONE PETER	Pacific Telephone
	CLARK CAROL	Pacific Telephone
	DAVIS DONALD LEVI	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	DAVIS SHARON	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	MURPHY JULIA	Pacific Telephone
	WIRTHLIN CHERIE M	Pacific Telephone
1957	BARRETT W VERNON	Pacific Telephone
1954	BARRETT W VERNON	R. L. Polk & Co.
1950	BARRETT W VERNON R	Pacific Telephone

1152 W COMPTON BLVD

Year	Uses	Source
1985	HARTLEY ROBERT E	Pacific Bell
	KITAOKA BRIAN	Pacific Bell
	MIKAWA DAN V	Pacific Bell
	ODANAKA ERICK J	Pacific Bell
	PIZZOLONGO BARRY	Pacific Bell
	TEAFORD WATSON	Pacific Bell
	UM BYUNG C	Pacific Bell
	WILLOTT MILLICENT	Pacific Bell
1980	BROMLEY JACK I	Pacific Telephone
	HIGAR H W	Pacific Telephone
	KOJIMA GEORGE	Pacific Telephone
	PATTI R	Pacific Telephone
1975	BOUMAN C P	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	HAGA HIDEJI	Pacific Telephone
	HIGAR H W	Pacific Telephone
	LINDSEY L E	Pacific Telephone
1971	Schade Erna	Pacific Telephone
1970	BARBERA SALVATORE	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	GREEN ALFRED I	Pacific Telephone
	GREEN FRANCES	Pacific Telephone
	HENDERSON JIM	Pacific Telephone
	KAWAOKA YOSHI	Pacific Telephone
	KOELLER JOHN L	Pacific Telephone
	LINDSEY L E	Pacific Telephone
	POLAN MICHAEL	Pacific Telephone
	SAITO TAKEO	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	SATO K	Pacific Telephone
	SCHADE ERNA	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
1967	Schade Erna	Pacific Telephone
1964	BELL EDW I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	FLETCHER JOE W	Pacific Telephone
	KOPACK CHAS	Pacific Telephone
	MCKINNEY GILBERT V	Pacific Telephone
	RENSHAW WELDON L	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
	WHITCHER MASON B	Pacific Telephone
	WINN JAN	Pacific Telephone
	YOUNG BARBARA MRS	Pacific Telephone
	WINN TOM L	Pacific Telephone
	WOLLER G W	Pacific Telephone

1156 W COMPTON BLVD

Year	Uses	Source
1985	PACION EFREN F	Pacific Bell
1970	REDRO VECENTE	Pacific Telephone
1964	ORDWAY JAN	Pacific Telephone

1157 W COMPTON BLVD

Year	Uses	Source
1980	KOBAYASHI BOBBY K	Pacific Telephone
1975	NAGAI TAKEHIKO	Pacific Telephone
1970	EMI NORITAKA	Pacific Telephone
1964	LEITNER RONI J	Pacific Telephone
1962	Leitner Ronl J	Pacific Telephone
1960	LEITNER RONI J	Pacific Telephone
1958	Leitner Roni J	Pacific Telephone
1957	LEITNER RONIIJ	Pacific Telephone

1158 W COMPTON BLVD

Year	Uses	Source
1985	HOBY R G	Pacific Bell
1980	HOBY R G PLMBNG	Pacific Telephone
1975	HOBY R G PLMBNG	Pacific Telephone

Year	Uses	Source
1970	HOBY R G PLMBNG	Pacific Telephone
	HOBY R G	Pacific Telephone
	HOBY R G	Pacific Telephone
1964	HOBY R G PLMBNG	Pacific Telephone
1960	HOBY R G PLMBNG	Pacific Telephone
1957	HOBY RICHARD G	Pacific Telephone
1954	HOBY RICHARD G	R. L. Polk & Co.

1169 W COMPTON BLVD

Year	Uses	Source
1970	GORSHA STANLEY	Pacific Telephone
1964	FOWLER RAY	Pacific Telephone
1960	MCNABB ELLIOTT H	Pacific Telephone
1957	MCNABB EILIOTT H	Pacific Telephone

1218 W COMPTON BLVD

Year	Uses	Source
1985	SCHNEIDER DANIEL	Pacific Bell
1980	MAIN BOB	Pacific Telephone
1975	LYNSKEY JAS O	Pacific Telephone
1970	LYNSKEY JAS O	Pacific Telephone
1964	NIX MARIE L	Pacific Telephone
1960	NIX MARIE L	Pacific Telephone

1228 W COMPTON BLVD

Year	Uses	Source
1985	MONROE LESTER L	Pacific Bell
1970	MINAYA WILLAM	Pacific Telephone
1964	VAUGHAN W M	Pacific Telephone
1960	VAUGHAN W M	Pacific Telephone
1954	VAUGHAN W M	R. L. Polk & Co.

1234 W COMPTON BLVD

Year	Uses	Source
1985	IKE HELDE	Pacific Bell
1980	OKUMURA MITSUO	Pacific Telephone
	DANBARA LEE T	Pacific Telephone
	KAMIMURA KEITH	Pacific Telephone
1975	NGUYEN LUAN	Pacific Telephone
	GONZALES ENRIQUE	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	MOLINA BILLY R	Pacific Telephone
	MORILLO GWEN	Pacific Telephone

1238 W COMPTON BLVD

Year	Uses	Source
1980	PINE AMLULA F	Pacific Telephone
1976	Polk Robt S	Pacific Telephone
1975	POLK ROBT S	Pacific Telephone
1970	LAYTON EDW E	Pacific Telephone
1964	LAYTON EDW E	Pacific Telephone
1960	LAYTON EDW E	Pacific Telephone

1251 W COMPTON BLVD

Year	Uses	Source
1985	IWATA CLYDE	Pacific Bell
1970	QUIJADA ROBT D	Pacific Telephone

1257 W COMPTON BLVD

Year	Uses	Source
1976	Saito M H	Pacific Telephone
1971	Saito M H	Pacific Telephone
1970	SAITO M H	Pacific Telephone
1967	Saito M H	Pacific Telephone
1962	Saito M H	Pacific Telephone
1960	SAITO M H	Pacific Telephone
1957	SALTOL IN H	Pacific Telephone
1954	SAITO M H	R. L. Polk & Co.

1316 W COMPTON BLVD

Year	Uses	Source
1985	ROMERSHEUSER OTTO B	Pacific Bell
1970	ROMERSHEUSER OTTO B	Pacific Telephone
1964	BOWEN CECIL L	Pacific Telephone
1960	BOWEN CECIL L	Pacific Telephone
1954	BOWEN CECIL L	R. L. Polk & Co.

1328 W COMPTON BLVD

Year	Uses	Source
1985	MITCHELTREE WAYNE	Pacific Bell
1980	MITCHELTREE WAYNE	Pacific Telephone

Year	Uses	Source
1975	HAMASAKI MOTOE	Pacific Telephone
1970	HIGGINS ROBT O	Pacific Telephone
1964	HIGGINS ROBT O	Pacific Telephone
1960	HIGGINS ROBT O	Pacific Telephone
1957	HIGGINS ROBT O	Pacific Telephone
1954	DEASON CHAS BRYAN	R. L. Polk & Co.

1332 W COMPTON BLVD

Year	Uses	Source
1985	TAKAMORI HIDEYUKI	Pacific Bell
1970	TAKAMORI HIDEYUKI	Pacific Telephone
1964	TAKAMORI HIDEYUKI	Pacific Telephone
1958	Howard Evelyn	Pacific Telephone
1954	HOWARD CLINTON B	R. L. Polk & Co.

1339 W COMPTON BLVD

Year	Uses	Source
1985	CRUZ JOSE	Pacific Bell
1975	BRUEMMER IRMA	Pacific Telephone
	BRUEMMER DAVID	Pacific Telephone
1970	RUBI HOPE	Pacific Telephone
	RUBI JOE M	Pacific Telephone
1964	PEREGRIN JOS	Pacific Telephone
1957	CHRISTENSEN ANNA E	Pacific Telephone
1954	CHRISTENSEN ANNA E	R. L. Polk & Co.

1340 W COMPTON BLVD

Year	Uses	Source
1985	TAYLOR WAYNE A	Pacific Bell
1970	TAYLOR WAYNE A	Pacific Telephone
1964	TAYLOR WAYNE A	Pacific Telephone
1960	TAYLOR WAYNE A	Pacific Telephone
1957	TAYLOR WAYNE A	Pacific Telephone
1954	TAYLOR WAYNE A	R. L. Polk & Co.

1426 W COMPTON BLVD

Year	Uses	Source
1980	COBIAN MIGUEL U	Pacific Telephone
1975	SOUTHERN CALIFORNIA FIRST NATIONAL BANK	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Southern California Fence Co	Pacific Telephone
1970	SMYTHERS L G	Pacific Telephone
1964	SMYTHERS SAM	Pacific Telephone
1960	SMYTHERS SAM	Pacific Telephone
1957	SMYTHERS SAM	Pacific Telephone
1954	SMYTHERS SAM	R. L. Polk & Co.

1439 W COMPTON BLVD

Year	Uses	Source
1970	SEMON S STUDIO-CERAMICS	Pacific Telephone
1960	SEMONS STUDIO CERAMICS	Pacific Telephone
1957	SEMEN S STUDIO-CERAMICS	Pacific Telephone
1954	BOWLIN CHAS C	R. L. Polk & Co.

1447 W COMPTON BLVD

Year	Uses	Source
1985	TORRES JAVIER I	Pacific Bell
1980	HEMBREE EVELYN M	Pacific Telephone
1975	GARAY SALVADOR	Pacific Telephone
	CHAMKUNTHOD RENEE	Pacific Telephone
	AVILA ALICIA	Pacific Telephone
	AHN NEE JOE JR	Pacific Telephone
1970	PETERSEN JON	Pacific Telephone
	MUROKITA J N	Pacific Telephone
	LAVILLA REGINALD I	Pacific Telephone
	KURDIEH ISAAC M	Pacific Telephone
	DE NIO ANN	Pacific Telephone
	AHNEE JOE JR	Pacific Telephone
1964	YAMASAKI MICHIHARU	Pacific Telephone
	UWAHORI TED	Pacific Telephone
	UWAHORI SADAE	Pacific Telephone
	KALBERER LOLA	Pacific Telephone
	MACKEY MARVIN JR	Pacific Telephone
	KALBERER DON	Pacific Telephone
	FARNHAM MICHAEL	Pacific Telephone
	FARNHAM LINDA J	Pacific Telephone

FINDINGS

1451 W COMPTON BLVD

Year	Uses		Source
1985	SPENCER RALPH		Pacific Bell
	JONES C VAUGHN		Pacific Bell
	GOMEZ RICHARD		Pacific Bell
	MISHIMA MASARU		Pacific Bell
1980	MISHIMA MASARU		Pacific Telephone
	BAECHLER F N		Pacific Telephone
	JONES C VAUGHN		Pacific Telephone
	JACOBSON ISABELL M		Pacific Telephone
	GOMEZ RICHARD		Pacific Telephone
	BAECHLER F N		Pacific Telephone
1975	FRANKLIN FRANCES E		Pacific Telephone
1970	FRAZEUR LENORE A		Pacific Telephone
	FRANKLIN FRANCES E		Pacific Telephone
1964	FRAZEUR LENORE A		Pacific Telephone
1960	WHARTON DUANE F		Pacific Telephone
	RADWAY RUSSELL		Pacific Telephone
	LA BREE C A		Pacific Telephone
	GLABMAN DAVE		Pacific Telephone
	EDWARDS OREN G		Pacific Telephone
	EDWARDS BETTY		Pacific Telephone
1958	Ashbeck Sevact A		Pacific Telephone

851A W COMPTON BLVD

Year	Uses		Source
1990	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1986	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1985	JOYCE MAUREEN C ATTY		Pacific Bell
1981	JOYCE MAUREEN C ATTY	COMPTON	Pacific Telephone
1980	JOYCE MAUREEN C ATTY		Pacific Telephone
1975	CARTER PHILIP M ATTY		Pacific Telephone
	COMPTON LAW SCHOOL		Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION		Pacific Telephone

905A W COMPTON BLVD

Year	Uses	Source
1990	CALLOWAY MONUMENT CO COMPTON	Pacific Bell

FINDINGS

Year	Uses	Source
1986	CALLOWAY MONUMENT CO COMPTON	Pacific Bell
1985	CALLOWAY HARRY	Pacific Bell
	CALLOWAY MONUMENT CO	Pacific Bell
1981	CALLOWAY HARRY COMPTON	Pacific Telephone
	CALLOWAY MONUMENT CO COMPTON	Pacific Telephone
1980	CALLOWAY HARRY	Pacific Telephone
	CALLOWAY MONUMENT CO	Pacific Telephone
1975	J & L SILK SCREEN	Pacific Telephone
1964	NOMIAS BEAUTY SALON	Pacific Telephone
1960	NOMIA S BEAUTY SALON	Pacific Telephone

1020A W COMPTON BLVD

Year	Uses	Source
1957	SIMPSON CARL A RL EST	Pacific Telephone

1021A W COMPTON BLVD

Year	Uses	Source
1950	DERRY DALER	Pacific Telephone

1029B W COMPTON BLVD

Year	Uses	Source
1960	DEWBERRY MARTHA E	Pacific Telephone
1957	EDDINGTON TED L	Pacific Telephone
1950	GENUNG JESSIE M R	Pacific Telephone

14181/2 W COMPTON BLVD

Year	Uses	Source
1957	VALLES EDW R	Pacific Telephone

14281/2 W COMPTON BLVD

Year	Uses	Source
1957	SHEAN WM	Pacific Telephone

1418 1/2 W COMPTON BLVD

Year	Uses	Source
1985	TERUKO IMAMOTO	Pacific Bell
1970	RAGON RONALD C	Pacific Telephone
1960	SHEAN WM	Pacific Telephone

FINDINGS

1438 1/2 W COMPTON BLVD

Year	Uses	Source
1985	MORENO RAFAEL	Pacific Bell
1970	PANDO MARTIN	Pacific Telephone

1448 1/4 W COMPTON BLVD

Year	Uses	Source
1970	GLEASON CATHERINE	Pacific Telephone
1954	DONALDSON GUY B	R. L. Polk & Co.

W MAGNOLIA

815 W MAGNOLIA

Year	Uses	Source
1986	JANUARY JAS COMPTON	Pacific Bell
1981	JANUARY JAS COMPTON	Pacific Telephone

821 W MAGNOLIA

Year	Uses	Source
1981	HAYES JAS COMPTON	Pacific Telephone
	HAYES JAS P COMPTON	Pacific Telephone

822 W MAGNOLIA

Year	Uses	Source
1990	PIERCE ROBT COMPTON	Pacific Bell

824 W MAGNOLIA

Year	Uses	Source
1990	PHILLIPS DEBORAH D COMPTON	Pacific Bell
1981	PHILLIPS DEBORAH D COMPTON	Pacific Telephone

921 W MAGNOLIA

Year	Uses	Source
1981	PITTS ANDREW COMPTON	Pacific Telephone

931 W MAGNOLIA

Year	Uses	Source
1981	CURL DENA E COMPTON	Pacific Telephone

1023 W MAGNOLIA

Year	Uses	Source
1990	RATCLIFF HOMER L COMPTON	Pacific Bell

Year	Uses	Source
1986	RATCLIFF HOMER L COMPTON	Pacific Bell
1981	RATCLIFF HOMER L COMPTON	Pacific Telephone

W MAGNOLIA ST

810 W MAGNOLIA ST

Year	Uses	Source
2001	CONWAYVarteta	Haines & Company, Inc.
1964	DAVIS MARY ELIZABETH	Pacific Telephone
1960	DAVIS MARY ELIZABETH	Pacific Telephone
1957	DAVIS MARY ELIZABETH	Pacific Telephone
1951	AKcnt M AMrb	Pacific Directory Co.
1950	KENT MAE A R	Pacific Telephone
1947	Kent M A Mrs	Pacific Directory Co.
1940	Kent G P	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

812 W MAGNOLIA ST

Year	Uses	Source
1964	CRUZ DELLA	Pacific Telephone
1960	CRUZ DELLA	Pacific Telephone
1940	Henderson Le Roy	Los Angeles Directory Co.
1931	Kesling Ernest	Los Angeles Directory Co.

814 W MAGNOLIA ST

Year	Uses	Source
1928	Morton J G	Los Angeles Directory Co.

815 W MAGNOLIA ST

Year	Uses	Source
2001	JANUARYJames	Haines & Company, Inc.
1985	JANUARY JAS	Pacific Bell
1980	JANUARY JAS	Pacific Telephone
1976	January Jas	Pacific Telephone
1975	JANUARY JAS	Pacific Telephone
1960	CUMMINS M K MISS	Pacific Telephone
1957	CUMMILNS M K MISS	Pacific Telephone
1954	CUMMINS M K MISS	R. L. Polk & Co.
1951	LPranz Theo R3	Pacific Directory Co.
1950	PRANZ THEO R	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Henry R C	Pacific Directory Co.

816 W MAGNOLIA ST

Year	Uses	Source
2001	GUTIERREZLUi	Haines & Company, Inc.
1985	WALTER ESSIE	Pacific Bell
1951	APries Fred R3	Pacific Directory Co.
1950	ORELLA WM J R	Pacific Telephone

821 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	HAYES JAMNES P	Pacific Telephone
1960	GRACE JOEL	Pacific Telephone

822 W MAGNOLIA ST

Year	Uses	Source
1985	PIERCE ROBT	Pacific Bell
1980	PIERCE ROBT	Pacific Telephone
1976	Pierce Robt	Pacific Telephone
1975	PIERCE ROBT	Pacific Telephone
1964	WAYFER GARNETT	Pacific Telephone
1960	WAFER ROBT	Pacific Telephone
1957	FICARA R5PUB ACCT	Pacific Telephone
	FICARA R S	Pacific Telephone
1954	FICARA R S PUB ACCT	R. L. Polk & Co.
	FICARA BILLIE MIMEOGRAPHING SERV	R. L. Polk & Co.
1951	ASturqcll H C S	Pacific Directory Co.
1950	STURGEIL HOUSTON C R	Pacific Telephone
1947	Sturgell H C	Pacific Directory Co.
1940	Crowder M J Mrs	Los Angeles Directory Co.
	Crowder G I	Los Angeles Directory Co.
1931	Yeoman	Los Angeles Directory Co.
1928	Smith C M	Los Angeles Directory Co.

823 W MAGNOLIA ST

Year	Uses	Source
2001	61 R An Ihony	Haines & Company, Inc.
1985	TURNER ALVIN	Pacific Bell

Year	Uses	Source
1980	DAWSON MARISA	Pacific Telephone
1960	YOUNGBLOOD CAPERS	Pacific Telephone
1957	YOUNGHLOOD CAPERS	Pacific Telephone

824 W MAGNOLIA ST

Year	Uses	Source
2001	PHILLIPSDeborahr	Haines & Company, Inc.
1985	PHILLIPS DEBORAH D	Pacific Bell
1980	PHILLIPS DEBORAH D	Pacific Telephone
1976	Phillips Deborah D	Pacific Telephone
1954	CAUGHTHRAN THEE D R	R. L. Polk & Co.
1951	ACaughthran T D	Pacific Directory Co.
1950	CAUGHTHRANTHEO D R	Pacific Telephone

825 W MAGNOLIA ST

Year	Uses	Source
2001	OUINTE 90 SWaslter	Haines & Company, Inc.
1960	RICHARDSON LYLE R	Pacific Telephone
1957	RICHARDSON LYLE	Pacific Telephone

826 W MAGNOLIA ST

Year	Uses	Source
1947	Under Construction	Pacific Directory Co.

827 W MAGNOLIA ST

Year	Uses	Source
2001	MALONESandra	Haines & Company, Inc.
1967	Setzer Jos	Pacific Telephone
1964	SETZER JOS	Pacific Telephone
1960	YORK ERVIN F	Pacific Telephone
1957	YORK ERVIN F	Pacific Telephone
1954	YORK ERVIN F MRS R	R. L. Polk & Co.
1951	AYork E F R3	Pacific Directory Co.
1950	YORK ERVIN F MRS R	Pacific Telephone

830 W MAGNOLIA ST

Year	Uses	Source
2001	SPUUDOMayra	Haines & Company, Inc.
1980	LATHON DARLENE	Pacific Telephone
	LATHON DARRYLL J	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	Chatmon Marie J	Pacific Telephone
1975	CHATMON MARIE J	Pacific Telephone
1960	FOWLIE MARIE	Pacific Telephone
1954	FOWLIE WM H	R. L. Polk & Co.
1951	Fowlie W H R3	Pacific Directory Co.
1947	Fowlie W H	Pacific Directory Co.

833 W MAGNOLIA ST

Year	Uses	Source
2001	CARRASCOTi Ifany	Haines & Company, Inc.
1985	MARTIN TOMMY PLUMBING CO	Pacific Bell
1980	MARTIN TOMMY PLUMBING CO	Pacific Telephone
1960	CAMERON JOHN G	Pacific Telephone
1957	CAMERON JOHN G	Pacific Telephone
1954	CAMERON JOHN G	R. L. Polk & Co.
1951	AJennison C R	Pacific Directory Co.

834 W MAGNOLIA ST

Year	Uses	Source
2001	JACKSONLrida	Haines & Company, Inc.
1957	SLIER EARL H	Pacific Telephone
1954	SLIER EARL H R	R. L. Polk & Co.
1951	ASiler E H	Pacific Directory Co.
1947	Siler E H	Pacific Directory Co.
1940	Angel J 3 R	Los Angeles Directory Co.
1931	Angel J R	Los Angeles Directory Co.

835 W MAGNOLIA ST

Year	Uses	Source
1960	ZARAGOZA TRINIDAD	Pacific Telephone
1957	GOMES MIKE	Pacific Telephone
1951	a Lambrer M M Mrs	Pacific Directory Co.
	Provenqhi Enrica Mrs	Pacific Directory Co.
1950	EVANS A R R	Pacific Telephone
1947	Evans A R	Pacific Directory Co.
1940	Tanner Chas jr	Los Angeles Directory Co.
1931	Eisiminger R L	Los Angeles Directory Co.
1928	Eisiminger R L	Los Angeles Directory Co.

FINDINGS

836 W MAGNOLIA ST

Year	Uses	Source
2001	ARALJOJosa	Haines & Company, Inc.
1964	ANDERSON ORA	Pacific Telephone
1960	ANDERSON ORA	Pacific Telephone
1957	COTTRELL ETHRAGE	Pacific Telephone
1954	EDWARDS FRANK	R. L. Polk & Co.
1951	AVandonbrook F A	Pacific Directory Co.
1950	VANDENBROOK FRED R	Pacific Telephone
1947	Vandenbrook F	Pacific Directory Co.
1940	Ho well C H	Los Angeles Directory Co.
1928	Angel J R	Los Angeles Directory Co.

840 W MAGNOLIA ST

Year	Uses	Source
1985	PRESCOTT BERNICE	Pacific Bell
1954	MVAYHALL J O	R. L. Polk & Co.
1951	AMayhall J	Pacific Directory Co.
1950	MYAILH J O R	Pacific Telephone

843 W MAGNOLIA ST

Year	Uses	Source
2001	VALLERYMaco	Haines & Company, Inc.
1980	LEE SHIRLEY	Pacific Telephone
1964	VALLERY MARCO G JR	Pacific Telephone
1960	VALLERY MARCO G JR	Pacific Telephone
1957	VALLERY MARCO0JR	Pacific Telephone
1954	L(EGLEY JAS J R	R. L. Polk & Co.
1951	AKeqley J J Ci	Pacific Directory Co.
1950	KEGLEY JASJ R	Pacific Telephone

845 W MAGNOLIA ST

Year	Uses	Source
2001	WALKER Edward	Haines & Company, Inc.
1985	TROTTER DAVID E	Pacific Bell
1980	JONES LILLIAN B	Pacific Telephone
1964	JONES LILLIAN B	Pacific Telephone
1960	JONES LILLIAN BERTAVIA	Pacific Telephone
	JONES FLORENCE LORRAINE	Pacific Telephone
1957	IJELLEY LAMAR M REV	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	KELLEY L LIV REV	R. L. Polk & Co.
1951	AWiso E A	Pacific Directory Co.
1950	WISE E A R	Pacific Telephone

846 W MAGNOLIA ST

Year	Uses	Source
2001	FOSTER Davd	Haines & Company, Inc.
1985	MCCLAIN ETTA	Pacific Bell
	MCCLAIN GEAO R	Pacific Bell
1980	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1975	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1964	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1957	LEERING CHAS M	Pacific Telephone
1954	JENKINS WM	R. L. Polk & Co.
1951	Jcnkins Wm	Pacific Directory Co.
	a Meyman John	Pacific Directory Co.
1947	Gibson F W	Pacific Directory Co.

901 W MAGNOLIA ST

Year	Uses	Source
1985	MAY L J	Pacific Bell
1975	MAY L J	Pacific Telephone
1964	MAY ELIZABETH	Pacific Telephone
	MAY L J REV	Pacific Telephone
1951	ASchrocdor H Mrs	Pacific Directory Co.
1950	SCHROEDER HELENA R	Pacific Telephone
1947	Schroeder Helena	Pacific Directory Co.
1940	Mc Knight Louise	Los Angeles Directory Co.
1931	Kerley Jos	Los Angeles Directory Co.

902 W MAGNOLIA ST

Year	Uses	Source
1995	Cleveland Helen J	Pacific Bell
1960	FRISCO ERVIN	Pacific Telephone
1954	HALL MAMIE	R. L. Polk & Co.
1951	Alrocor Louis	Pacific Directory Co.

Year	Uses	Source
1947	Milinkovich D T	Pacific Directory Co.
1940	Cantway Julia L	Los Angeles Directory Co.
1931	Coates Sog	Los Angeles Directory Co.
1928	Coucth J P	Los Angeles Directory Co.

905 W MAGNOLIA ST

Year	Uses	Source
2001	CRISTE Mooses	Haines & Company, Inc.
1995	Cristen Moises	Pacific Bell
1985	HENDERSON ENEZ	Pacific Bell
1980	HENDERSON ENEZ	Pacific Telephone
1975	HENDERSON ENEZ	Pacific Telephone
1960	SALAZAR JOE M	Pacific Telephone
1957	GANZALES ALEX V	Pacific Telephone
1951	Brown E MrsR	Pacific Directory Co.
1947	Brown C E Mrs	Pacific Directory Co.
1940	Vought B L	Los Angeles Directory Co.
1931	Mc Cowan L S	Los Angeles Directory Co.
1928	Force Ray	Los Angeles Directory Co.

W Magnolia St

906 W Magnolia St

Year	Uses	Source
2010	LAND MARK ELECTRIC	EDR Digital Archive

W MAGNOLIA ST

906 W MAGNOLIA ST

Year	Uses	Source
2001	MASON Soncene	Haines & Company, Inc.
1995	Parker Doris A	Pacific Bell
	Parker Doris A	Pacific Bell
1975	MCCARTY ALBERT	Pacific Telephone
1964	CARTER JOHN	Pacific Telephone
1960	CLARK ALVINUS	Pacific Telephone
1957	KROSNICKI HENRY	Pacific Telephone
1954	KROSNICKI HENRY	R. L. Polk & Co.
1951	AMelnick J M R3	Pacific Directory Co.
1950	MELNICKJOS MR	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Melnick J M	Pacific Directory Co.
1940	Flanders W A	Los Angeles Directory Co.
1931	Clark E M	Los Angeles Directory Co.

909 W MAGNOLIA ST

Year	Uses	Source
1964	BLANCO GEO	Pacific Telephone
1957	SALAZAR JOE N	Pacific Telephone
1954	FARRAN T J	R. L. Polk & Co.
1951	Egan Rob I	Pacific Directory Co.
	1/2 Vacant	Pacific Directory Co.
	1/2 Hall F C	Pacific Directory Co.
1947	Anderson Agnes	Pacific Directory Co.
	1/2 Dutton W R	Pacific Directory Co.
	Transient	Pacific Directory Co.
1940	Bovee Burdette	Los Angeles Directory Co.
	1/2 Anderson Agnes Mrs	Los Angeles Directory Co.
1931	Bovee Wm	Los Angeles Directory Co.
1928	3ovee Win	Los Angeles Directory Co.

910 W MAGNOLIA ST

Year	Uses	Source
2001	MARTINONLUz	Haines & Company, Inc.
1995	Flores Roman Juan	Pacific Bell
1954	FRIESEN C H	R. L. Polk & Co.
1951	AMc Clellan P D	Pacific Directory Co.
1950	MCCLELLAN P DR	Pacific Telephone
1947	Mc Clellan P D	Pacific Directory Co.
1940	Eckles T G	Los Angeles Directory Co.
1931	Pyle Ford	Los Angeles Directory Co.

913 W MAGNOLIA ST

Year	Uses	Source
2001	ACOSTAGodofledo	Haines & Company, Inc.
1980	BELL ALLEN	Pacific Telephone
1976	Bell Allen	Pacific Telephone
1975	BELL ALLEN	Pacific Telephone
1964	MCKINNEY RUTH	Pacific Telephone
1960	RAY GROVER C MRS	Pacific Telephone

Year	Uses	Source
1957	RAY GROVER C MRS	Pacific Telephone
1954	RAY GROVER C R	R. L. Polk & Co.
1951	ARay G C	Pacific Directory Co.
1947	Milinkovich D E	Pacific Directory Co.
1940	Bovee L M Mrs	Los Angeles Directory Co.
1931	Bovee L M Mrs	Los Angeles Directory Co.
1928	Maxwell J W	Los Angeles Directory Co.

914 W MAGNOLIA ST

Year	Uses	Source
2001	OIOARRACCarrn	Haines & Company, Inc.
1954	MORFORD RAY	R. L. Polk & Co.
1951	APhilpot E D	Pacific Directory Co.
1947	Ketcham L L	Pacific Directory Co.
1940	Ketcham L L	Los Angeles Directory Co.
1931	Allen Chas	Los Angeles Directory Co.

W Magnolia St

915 W Magnolia St

Year	Uses	Source
2010	INLAND BOATMAN	EDR Digital Archive

W MAGNOLIA ST

915 W MAGNOLIA ST

Year	Uses	Source
2001	SEUTTERFIELOMyron	Haines & Company, Inc.
1964	BROWN CURTIS	Pacific Telephone
1960	BROWN LOIS	Pacific Telephone
	BROWN CURTIS	Pacific Telephone
1957	ZEPEDA JESUS	Pacific Telephone
1954	ZEPEDA JESUS	R. L. Polk & Co.
1951	ATallcy C C S	Pacific Directory Co.
1950	TALLEY SIGN SENT	Pacific Telephone
1947	Maloy E G	Pacific Directory Co.

918 W MAGNOLIA ST

Year	Uses	Source
1995	Sood Sam Ashok	Pacific Bell

FINDINGS

Year	Uses	Source
1975	HENDERSON RALPH	Pacific Telephone
1954	BURGESS BERTHA	R. L. Polk & Co.

919 W MAGNOLIA ST

Year	Uses	Source
1962	AEROTOOL ENGINEERING CO	Pacific Telephone
1960	AEROTOOL ENGINEERING CO	Pacific Telephone

920 W MAGNOLIA ST

Year	Uses	Source
2001	STEPHENSDorothy	Haines & Company, Inc.
1995	Stewart Frances J	Pacific Bell
1985	STEWART FRANCES J	Pacific Bell
1980	FINE FRANCES J	Pacific Telephone
1975	FINE FRANCES J	Pacific Telephone
1964	FINE MARVEL L	Pacific Telephone
1960	FINE MARVEL L	Pacific Telephone
1957	FINE MARVEL L	Pacific Telephone
1954	FINE MARVEL L	R. L. Polk & Co.
1951	APontrolli J S	Pacific Directory Co.
1950	PONTRELLI JOE	Pacific Telephone

W Magnolia St

921 W Magnolia St

Year	Uses	Source
2010	ROBINSON INCOME TAX SERVICE	EDR Digital Archive

W MAGNOLIA ST

921 W MAGNOLIA ST

Year	Uses	Source
2001	P 11 TSE 1a	Haines & Company, Inc.
1985	PITTS NETTIE M	Pacific Bell
1980	PITTS ANDREW	Pacific Telephone
1975	PITTS ANDREW	Pacific Telephone
1960	MYATT GLEAN	Pacific Telephone
1951	Cobb Irene Mrs	Pacific Directory Co.
1947	Young W V	Pacific Directory Co.
1940	Kolstad H D	Los Angeles Directory Co.

Year	Uses	Source
1931	Kolstad H B	Los Angeles Directory Co.

924 W MAGNOLIA ST

Year	Uses	Source
2001	NIETOAntono	Haines & Company, Inc.
1960	POWELL JOE N	Pacific Telephone
1957	CONLEY NANCY E	Pacific Telephone
1954	FESLER HARRY D R	R. L. Polk & Co.
1951	AFeslor H D R3	Pacific Directory Co.

W Magnolia St

925 W Magnolia St

Year	Uses	Source
2014	ISAKE LOCKETT HOLLOWAY RN	EDR Digital Archive

W MAGNOLIA ST

925 W MAGNOLIA ST

Year	Uses	Source
2001	FRITZ Howard	Haines & Company, Inc.
1995	Fritz Howard	Pacific Bell
1985	FRITZ HOWARD	Pacific Bell
1980	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1975	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1960	FRITZ HOWARD	Pacific Telephone
1957	FRITZ HOWARD	Pacific Telephone
1954	FRITZ HOWARD	R. L. Polk & Co.
1951	ADouqhcrty John R3	Pacific Directory Co.
1950	DOUGHERTY JOHN D R	Pacific Telephone

927 W MAGNOLIA ST

Year	Uses	Source
1995	Ordonez Castilio Isaac	Pacific Bell
1951	AFicara R S a	Pacific Directory Co.

FINDINGS

W Magnolia St

930 W Magnolia St

Year	Uses	Source
2014	MARISCAL LOGISTICS	EDR Digital Archive
2010	MARISCAL LOGISTICS	EDR Digital Archive

W MAGNOLIA ST

930 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZRosano	Haines & Company, Inc.
1964	SALDANA P M	Pacific Telephone
1960	SALDANA P N	Pacific Telephone
1957	SALDANA PM	Pacific Telephone
1954	ABSHER THOS C R	R. L. Polk & Co.
1951	AAbsher T C	Pacific Directory Co.
1950	ABSHER THOS C R	Pacific Telephone
1947	Absher T C	Pacific Directory Co.
1940	Absher T C	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.
1928	Kingsbury H L	Los Angeles Directory Co.

W Magnolia St

931 W Magnolia St

Year	Uses	Source
2010	JALISCO AUTO GLASS	EDR Digital Archive

W MAGNOLIA ST

931 W MAGNOLIA ST

Year	Uses	Source
1980	CURL DENA E	Pacific Telephone
1976	Hamd L W Jr	Pacific Telephone
1964	WILSON DOROTHY H	Pacific Telephone
1957	G CHAS M	Pacific Telephone
1954	KING CHAS M	R. L. Polk & Co.
1951	Mercill E C	Pacific Directory Co.

FINDINGS

934 W MAGNOLIA ST

Year	Uses	Source
1957	FORD ZELIA B	Pacific Telephone
1951	APowcrs R B R3	Pacific Directory Co.
1950	POWERS WILLARD L R	Pacific Telephone
1947	Powers R B	Pacific Directory Co.
1940	Powers R B	Los Angeles Directory Co.
1931	Benoit Chas	Los Angeles Directory Co.
1928	Benoit C C	Los Angeles Directory Co.

935 W MAGNOLIA ST

Year	Uses	Source
2001	C 00 ZINEAlbet	Haines & Company, Inc.
1985	CORZINE ALBERT J	Pacific Bell
1980	CORZINE ABOERT J	Pacific Telephone
1975	CORZINE ALBERT J	Pacific Telephone
1964	CORZINE ALBERT J	Pacific Telephone
1960	HEATLEY MARY G	Pacific Telephone
1954	COLLETTE JOHN P	R. L. Polk & Co.
	HEATLEY MARY C R	R. L. Polk & Co.
1951	AColelte G A	Pacific Directory Co.
1950	COLLETTE RUTH E R	Pacific Telephone
1947	Collette G A	Pacific Directory Co.
1940	Hamilton M T	Los Angeles Directory Co.
1931	Wilson J A	Los Angeles Directory Co.

936 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZNaocy	Haines & Company, Inc.
1964	HARRIS CHAS	Pacific Telephone
1960	LAMB FRED W MRS	Pacific Telephone
	FRED W MRS	Pacific Telephone
1957	FRED W MRS	Pacific Telephone
1954	LAMB FRED W R	R. L. Polk & Co.
1951	ALamb F W R3	Pacific Directory Co.
1950	LAMB FRED W R	Pacific Telephone
1947	Bennett Frank	Pacific Directory Co.
1940	Leahy E G	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

937 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	COLLETTE RUTH E MRS	Pacific Telephone
1957	COLLETTE RUTH E MRS	Pacific Telephone
	COLLETTE GEO M	Pacific Telephone
1951	Collette F J	Pacific Directory Co.

940 W MAGNOLIA ST

Year	Uses	Source
2001	VAUGHNBemio	Haines & Company, Inc.
1964	HINES CLINTON	Pacific Telephone
1957	EADE RONALD	Pacific Telephone
1954	ABSHER GEO R	R. L. Polk & Co.
1951	AAbsher Geo	Pacific Directory Co.
1947	Edwards R H	Pacific Directory Co.
1940	Edwards Roy	Los Angeles Directory Co.
1931	Cameron Gordon	Los Angeles Directory Co.

941 W MAGNOLIA ST

Year	Uses	Source
2001	PATTERSO Ca lton	Haines & Company, Inc.
1964	JACKSON MILTON	Pacific Telephone
1960	JACKSON MILTON	Pacific Telephone
1958	Jackson Milton	Pacific Telephone
1957	JACKSON MILTON	Pacific Telephone
1954	PUBLISKY F O	R. L. Polk & Co.
1951	APublisky F R3	Pacific Directory Co.
1950	PUBIISKY F OR	Pacific Telephone

942 W MAGNOLIA ST

Year	Uses	Source
2001	YOUNG DIr	Haines & Company, Inc.
1995	Scott Kirk P	Pacific Bell
1985	SCOTT KIRK P	Pacific Bell
1960	SCOTT KIRK P	Pacific Telephone
1957	SCOTT KILIRK P	Pacific Telephone
1954	PRAZANT ADAM H	R. L. Polk & Co.
1951	APrazant A H R3	Pacific Directory Co.
1947	Prazant A H	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1940	Myers Matthew	Los Angeles Directory Co.
1931	Goody J S	Los Angeles Directory Co.

943 W MAGNOLIA ST

Year	Uses	Source
1947	Publisky F	Pacific Directory Co.

947 W MAGNOLIA ST

Year	Uses	Source
2001	HOLTJerna	Haines & Company, Inc.
1985	HOLT JENNIE WREN	Pacific Bell
1980	HOLT JENNIE WREN	Pacific Telephone
1975	HOLT LEROY	Pacific Telephone
1964	HOLT JEANNIE WREN	Pacific Telephone
	HOLT LEROY	Pacific Telephone
1957	HILIMAN LYDIA C	Pacific Telephone
1954	ANDERSON AGNES	R. L. Polk & Co.
1951	AKruso E J R3	Pacific Directory Co.
1950	KRUSE ERNEST J R	Pacific Telephone
1947	Kruse E J	Pacific Directory Co.
1940	Farley J W	Los Angeles Directory Co.
1931	Pfeifer B N	Los Angeles Directory Co.

948 W MAGNOLIA ST

Year	Uses	Source
2001	OPATERudolph	Haines & Company, Inc.
1985	PATE RUDOLPH DAVIS	Pacific Bell
1980	PATE RUDOLPH DAVIS	Pacific Telephone
1975	PATE RUDOLPH DAVIS	Pacific Telephone
1964	PATE RUDOLPH DAVIS	Pacific Telephone
1960	WILLIS ALBERT S	Pacific Telephone
1958	Willis Albert S	Pacific Telephone
1957	VWILLIS ALBERT S	Pacific Telephone
1954	WILLIS ALBERT S	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Turner W D	Pacific Directory Co.
1940	Turner W D	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

1000 W MAGNOLIA ST

Year	Uses	Source
1980	CANNICK BLANCHE	Pacific Telephone
1976	Cannick Yvonne	Pacific Telephone
1975	CANNICK YVONNE	Pacific Telephone
1964	ELMORE D D	Pacific Telephone
1954	SINCLAIR CHAS	R. L. Polk & Co.
1951	Sinclair Chas S	Pacific Directory Co.

1001 W MAGNOLIA ST

Year	Uses	Source
1976	Harris Willie L Jr	Pacific Telephone
	Harris Crissie B	Pacific Telephone
1975	HARRIS CRISSIE B	Pacific Telephone
1960	FORSYTHE F B	Pacific Telephone
1957	FORSYTHE F B	Pacific Telephone
1954	ANDERSON HAROLD J	R. L. Polk & Co.
1951	ACarriker V G	Pacific Directory Co.
1950	CARRIKER VERNON GR	Pacific Telephone

1004 W MAGNOLIA ST

Year	Uses	Source
2001	FLORESMarc 6lio R	Haines & Company, Inc.
1991	Bean &Assoc	Pacific Bell
1957	BANULOS LUPE	Pacific Telephone

1005 W MAGNOLIA ST

Year	Uses	Source
2001	LAWSONClarce	Haines & Company, Inc.
1964	RIDDICK JAS	Pacific Telephone
	RIDDICK VELMA	Pacific Telephone
1960	RIDDICK VELMA	Pacific Telephone
1957	GRANT AUBREY L	Pacific Telephone
1954	MCTIGHE FRANCES MARY	R. L. Polk & Co.
	MCTIGHE THOS F	R. L. Polk & Co.
1951	AMc Tighe T J	Pacific Directory Co.

1006 W MAGNOLIA ST

Year	Uses	Source
2001	OARCIAAdolo	Haines & Company, Inc.
1995	Veterans Of Foreign Wars Ship 8310	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Orozco Alfonso	Pacific Bell
1985	BURTON JULIA M	Pacific Bell
1957	CRINER RAYMOND	Pacific Telephone

1008 W MAGNOLIA ST

Year	Uses	Source
2001	FRANCOBngrda	Haines & Company, Inc.
1995	Ramirez Brigida	Pacific Bell
1964	JOHNSON EDNA	Pacific Telephone
	BROWN LEE	Pacific Telephone

1019 W MAGNOLIA ST

Year	Uses	Source
2001	CULPEPPERJame	Haines & Company, Inc.
1960	SIMMS J D	Pacific Telephone
1958	Simms J D	Pacific Telephone
1957	SIMMS J D	Pacific Telephone
1954	GUSTAFSON IRVIN N R	R. L. Polk & Co.
1951	AGustafson I N	Pacific Directory Co.
1950	GUSTAFSON INRIN N R	Pacific Telephone

1022 W MAGNOLIA ST

Year	Uses	Source
2001	ROLDANFredy	Haines & Company, Inc.

1023 W MAGNOLIA ST

Year	Uses	Source
2001	RATCLI FFCloude Oe	Haines & Company, Inc.
1995	Ratcliff Homer L	Pacific Bell
1985	RATCLIFF HOMER L	Pacific Bell
1960	RAYFORD THOS L	Pacific Telephone
1951	ACrew R W	Pacific Directory Co.

1025 W MAGNOLIA ST

Year	Uses	Source
1957	TAYLOR RITER C	Pacific Telephone
1954	TAYLOR RITER C	R. L. Polk & Co.
1950	TAYLOR RITER C R	Pacific Telephone

FINDINGS

1029 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1030 W MAGNOLIA ST

Year	Uses	Source
2001	GOMEZJUIo	Haines & Company, Inc.

1034 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1036 W MAGNOLIA ST

Year	Uses	Source
1928	Compton Gardena Milling Co	Los Angeles Directory Co.

1055 W MAGNOLIA ST

Year	Uses	Source
1960	RIDDICK JAS	Pacific Telephone

1101 W MAGNOLIA ST

Year	Uses	Source
1958	LOS ANGELES COUNTY OF HEALTH DEPT	Pacific Telephone
	Burbank	Pacific Telephone

1104 W MAGNOLIA ST

Year	Uses	Source
1957	VAN OORT ROGER	Pacific Telephone

1106 W MAGNOLIA ST

Year	Uses	Source
1958	American Printing Co	Pacific Telephone

1118 W MAGNOLIA ST

Year	Uses	Source
1995	Briggs Joan Y	Pacific Bell

1121 W MAGNOLIA ST

Year	Uses	Source
1985	Alves W L Inc	Pacific Bell
	Alvestad Lonnie	Pacific Bell
1958	Marginator Co	Pacific Telephone

FINDINGS

1126 W MAGNOLIA ST

Year	Uses	Source
1995	Taylor Stephen	Pacific Bell

846A W MAGNOLIA ST

Year	Uses	Source
1960	HOLLON JACK	Pacific Telephone
1957	HOLLON JACK	Pacific Telephone

918B W MAGNOLIA ST

Year	Uses	Source
1960	BROWN ELLNORA MRS	Pacific Telephone
1957	BROWN ELLNORA MRS	Pacific Telephone

1008A W MAGNOLIA ST

Year	Uses	Source
1957	SIMS W T	Pacific Telephone

909 1/2 W MAGNOLIA ST

Year	Uses	Source
1964	PEEKS WM H	Pacific Telephone

W SCHOOL ST

901 W SCHOOL ST

Year	Uses	Source
2001	MULLEN Samuel	Haines & Company, Inc.
1951	ARussell W O	Pacific Directory Co.

903 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

904 W SCHOOL ST

Year	Uses	Source
2001	OROWNRIDGELeon	Haines & Company, Inc.

905 W SCHOOL ST

Year	Uses	Source
2001	SEPHRIAMMablean	Haines & Company, Inc.
1954	PACHECO JOSE G	R. L. Polk & Co.
1951	AWise Clarence	Pacific Directory Co.

FINDINGS

906 W SCHOOL ST

Year	Uses	Source
2001	BANTONOl Ire	Haines & Company, Inc.
1980	JOHNSON ERNEST C	Pacific Telephone
1975	BANTON OLLIE	Pacific Telephone

909 W SCHOOL ST

Year	Uses	Source
2001	MAROUEZMaxmi Oa	Haines & Company, Inc.
1954	GILLORY JAS A	R. L. Polk & Co.
1951	AJohnson L E	Pacific Directory Co.

910 W SCHOOL ST

Year	Uses	Source
2001	CIFUENTESWhiman	Haines & Company, Inc.
1985	SUNIA F	Pacific Bell
1928	Vacant	Los Angeles Directory Co.

912 W SCHOOL ST

Year	Uses	Source
1957	OROSCO AGAPITO	Pacific Telephone
1951	Hutton J C	Pacific Directory Co.
1940	Hutton Alma Mrs	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.

913 W SCHOOL ST

Year	Uses	Source
2001	CLAYTON Kalie	Haines & Company, Inc.
1985	CLAYTON CHAS	Pacific Bell
1980	CLAYTON CHAS	Pacific Telephone
1975	CLAYTON CHAS	Pacific Telephone
1964	HUFF MAE VESTER	Pacific Telephone
1960	HUFF MAE VESTER	Pacific Telephone
1957	HUFF MAE VESTER	Pacific Telephone
1951	Mc Laughlin Jack	Pacific Directory Co.

916 W SCHOOL ST

Year	Uses	Source
2001	WEBBLuaclle	Haines & Company, Inc.
1951	Wood WE	Pacific Directory Co.
1940	Wood W E	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1931	Wood W E	Los Angeles Directory Co.
1928	Vacant	Los Angeles Directory Co.

919 W SCHOOL ST

Year	Uses	Source
2001	MIDDLETONRobe IJ	Haines & Company, Inc.
1975	MIDDLETON DARAYE	Pacific Telephone
1960	HAMIC ALBERT	Pacific Telephone
1957	HAMIC ALBERT	Pacific Telephone
1951	AWeist Geo	Pacific Directory Co.
1950	WIEST MAE MRSR	Pacific Telephone
1940	Wiest A	Los Angeles Directory Co.
1931	Fawcett Ralph	Los Angeles Directory Co.

920 W SCHOOL ST

Year	Uses	Source
2001	FRAUSTOAntonra	Haines & Company, Inc.
1975	BROWN MARY JO	Pacific Telephone
	BROWN MARY JO	Pacific Telephone

921 W SCHOOL ST

Year	Uses	Source
2001	VILLARREALDaniel	Haines & Company, Inc.
1980	LUJANO JOSE G	Pacific Telephone
1951	ASmith L E	Pacific Directory Co.
1940	Loyd Osborn	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

922 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLLea	Haines & Company, Inc.
1960	DYER FOREST C	Pacific Telephone
1957	DYER FOREST C	Pacific Telephone
1954	DYER FOREST C R	R. L. Polk & Co.
1951	ADyer F C	Pacific Directory Co.
1950	DYER FOREST C R	Pacific Telephone

925 W SCHOOL ST

Year	Uses	Source
2001	ELACRUZHortencia	Haines & Company, Inc.

Year	Uses	Source
1975	LOPEZ ISIDORO	Pacific Telephone
1964	HARRISON LEO J	Pacific Telephone
	HARRISON DAISY MAE	Pacific Telephone

927 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	BALSZ LUZ	Pacific Bell
1980	BALSZ NICHOLAS R	Pacific Telephone
1975	BALSZ NICHOLAS R	Pacific Telephone

W School St

928 W School St

Year	Uses	Source
2014	RECOVER NOW SOBER LIVING LLC	EDR Digital Archive

W SCHOOL ST

928 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLRickey	Haines & Company, Inc.
1985	BACOT LEOLA	Pacific Bell
1980	BACOT LEOLA	Pacific Telephone
1975	BACOT LEOLA	Pacific Telephone
1951	Nelson J E	Pacific Directory Co.

929 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1951	Basz Nicholas	Pacific Directory Co.
1940	Ledwell 3 J	Los Angeles Directory Co.
1931	Benson John	Los Angeles Directory Co.
1928	Bailey A S	Los Angeles Directory Co.

930 W SCHOOL ST

Year	Uses	Source
2001	RIGGSYolanda	Haines & Company, Inc.
1951	ACarter S D	Pacific Directory Co.

FINDINGS

931 W SCHOOL ST

Year	Uses	Source
2001	EVANS Roger	Haines & Company, Inc.
1980	EVANS ROBIN	Pacific Telephone
1951	Moore W H	Pacific Directory Co.

934 W SCHOOL ST

Year	Uses	Source
2001	RAMOSVlicor	Haines & Company, Inc.
1960	RAMOS VICTOR D	Pacific Telephone
1957	O VICTOR 0	Pacific Telephone
1954	RAMOS VICTOR D	R. L. Polk & Co.
1951	ATaylor H G	Pacific Directory Co.

935 W SCHOOL ST

Year	Uses	Source
1964	WATSON TRAVIS	Pacific Telephone
	WATSON FRANCIS	Pacific Telephone
1954	DEARY CARROLL I R	R. L. Polk & Co.
1951	ADeary C I	Pacific Directory Co.
1950	DEARY CARROLL I R	Pacific Telephone
1940	Deary C I	Los Angeles Directory Co.

937 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1957	JENKINS MYIRTLE A	Pacific Telephone

938 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MITCHELL ERMA J	Pacific Bell
1980	DANSLER ELIJAH	Pacific Telephone
	MITCHELL ERMA J	Pacific Telephone
1975	GUZMAN RAYMOND	Pacific Telephone
1964	GUZMAN RAYMOND	Pacific Telephone
1951	Anderson D E	Pacific Directory Co.

940 W SCHOOL ST

Year	Uses	Source
2001	RSCKER Alfred	Haines & Company, Inc.

FINDINGS

941 W SCHOOL ST

Year	Uses	Source
2001	RODRIGUEZAISerlo	Haines & Company, Inc.
1951	Ringness Clara Mrs	Pacific Directory Co.

942 W SCHOOL ST

Year	Uses	Source
2001	CARRILLOVIcente	Haines & Company, Inc.
1951	Pinon M A	Pacific Directory Co.

945 W SCHOOL ST

Year	Uses	Source
2001	SROBINSON Ida	Haines & Company, Inc.

946 W SCHOOL ST

Year	Uses	Source
1985	RUCKER BETTY BEASLEY	Pacific Bell
1951	ABramson E L Mrs	Pacific Directory Co.

980 W SCHOOL ST

Year	Uses	Source
1957	BAUM PLASTIC CO	Pacific Telephone

1000 W SCHOOL ST

Year	Uses	Source
2001	COLLINSJanice	Haines & Company, Inc.
1954	SLATE CARL L	R. L. Polk & Co.
1951	Slate C L	Pacific Directory Co.

1006 W SCHOOL ST

Year	Uses	Source
2001	TATE Rbert	Haines & Company, Inc.
1960	SCOTT CLESSIE	Pacific Telephone
1951	ACarlson L H	Pacific Directory Co.

1013 W SCHOOL ST

Year	Uses	Source
2001	GARCl AAngelila	Haines & Company, Inc.
1957	YEAGER KATHERINE L	Pacific Telephone
1954	YEAGER KATHERINE L R	R. L. Polk & Co.
1951	Yeager K L Mrs	Pacific Directory Co.
1950	YEAGER KATHERINE L R	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
930 Compton Boulevard	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1000 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1000 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1003 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1004 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1011 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1013 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1018 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1019 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1019 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1023 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1026 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1028 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1029B W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1031 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1036 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1038 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1048 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1055 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1100 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1100 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1102 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1104 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1105 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151st St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1107 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1108 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
111 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1116 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1120 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1122 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1123 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1132 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1133 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1136 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1144 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1972, 1969, 1966, 1965, 1963, 1961, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1148 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1152 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1156 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1157 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1961, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1158 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1169 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1218 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1228 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1234 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1238 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1251 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1257 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1969, 1966, 1965, 1964, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1316 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1328 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1332 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1339 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1340 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14181/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14281/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1438 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1439 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1447 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1448 1/4 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1451 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S Dwight Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
157 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
201 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
203 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
205 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S Kemp Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
209 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
309 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
313 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
810 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
814 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
816 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
823 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
825 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
826 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
827 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
830 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
833 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
834 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
835 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
836 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
840 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
843 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
845 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
846 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
846A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
857 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
861 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
873 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
901 W Compton Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
905 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 1/2 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
909 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
913 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
917 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
918 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918B W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
921 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152nd St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
925 W Magnolia St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W School St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
929 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 SCHOOL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W Magnolia St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
932 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
935 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
936 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
940 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
942 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
946 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
947 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
948 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
951 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
953 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
957 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
957 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
959 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
961 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
962 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
963 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
965 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
969 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
973 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
979 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
981 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
982 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
987 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
995 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix F AGENCY RECORDS

From: David Coscia
To: Jansen, Alicia
Subject: Public Records Request - 930 Compton Blvd, 90220
Date: Wednesday, April 11, 2018 10:33:00 AM

Hello Alicia

Per your request, County of Los Angeles Public Works has no records for this site.

Regards,

Mr. David Coscia
Program Manager II
Los Angeles County Public Works
(626) 458-3519

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

April 11, 2018

Alicia Jansen
STANTEC CONSULTING SERVICES
25864-F Business Center Drive
Redlands, CA 92374

930 COMPTON BLVD. AND W. COMPTON BLVD, COMPTON, CA
PR4-041018-7

Dear Ms. Jansen:

The Department of Toxic Substances Control has received your letter to review records under the Public Records Act.

After a thorough review of our files we have found that, no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available at each DTSC Regional File Room Office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5337.

Sincerely,

Julie Johnson

Julie Johnson
Regional Records Coordinator

RECEIVED
APR 16 2018

Printed on Recycled Paper

From: Negrini, Camille
To: Jansen, Alicia
Subject: 18-1479
Date: Monday, April 23, 2018 2:29:16 PM
Attachments: image001.png
image003.png

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: *(930 W Compton Blvd, Compton CA 90220)*

This search revealed that no records were found for the above noted address.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destoyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at *(310) 534-6270.*

Los Angeles County Fire Department
Health Hazardous Materials Division
Inspection Section / Southwest District
HHMD Website

ALTA CALIFORNIA
GEOTECHNICAL INC.

170 North Maple Street, Suite 108
Corona, CA 92880
www.altageotechnical.com

CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, California 92612

May 6, 2019
Project No. 1-0286

Attention: Ms. Kim Prijatel

Subject: **GEOTECHNICAL INVESTIGATION**
930 West Compton Boulevard
City of Compton, California.

References: See Appendix A

Dear Ms. Prijatel:

Presented herein is Alta California Geotechnical, Inc.'s (Alta) geotechnical investigation report for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing and review of the referenced reports.

Also included in this report are:

- Discussion of the site geotechnical conditions;
- Recommendations for remedial and site grading, including unsuitable soil removals;
- Geotechnical site construction recommendations;
- Preliminary foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

FERNANDO RUIZ
Civil Engineering Associate

JAMES B. COYNE
Engineering Geology Associate

Reviewed By:

SCOTT A. ~~GRAY/RGE 2857~~
Reg. Exp.: 12-31-20
Registered Geotechnical Engineer
Vice President

THOMAS J. ~~MCCARTHY/CEG 2080~~
Reg. Exp.: 9-30-19
Certified Engineering Geologist
Vice President

Distribution: (1) Addressee
SAG: TJC: FR: JC: 1-0286, May 6, 2019 (Prelim Geo Investigation, 930 W Compton Blvd)

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1.0 INTRODUCTION

The following report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. The property is depicted on the enclosed Plate 1. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Review of the referenced literature, maps, reports and aerial photos (Appendix A);
- Site geologic mapping;
- Excavating, logging, and sampling five (5) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B);
- Conducting laboratory testing on samples obtained during our investigation (Appendix C);
- Performing an infiltration study on an additional boring, five (5) feet in depth, to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal;
- Conducting a liquefaction analysis;
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading, import soil, foundations and utilities;
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Existing Conditions

The property consists of a rectangular-shaped, 2.45± -acre parcel located at 930 West Compton Boulevard, in the City of Compton, California. Currently, the site is a vacant lot and is relatively flat. The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue.

A review of aerial photos (Historic Aerials, 2019) indicates that the lot was vacant up until the 1970s where it was graded for the construction of a hospital. The hospital was demolished around 2004 and the lot has remained vacant since.

2.2 Proposed Development

It is our understanding that site will be developed into a residential development to support 24 homes with associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements. Design cuts and fills onsite are anticipated to be five feet or less.

3.0 SITE INVESTIGATION

3.1 Current Subsurface Investigation

Alta conducted a subsurface investigation on April 18, 2019 consisting of the excavation, logging and select sampling of five (5) hollow-stem auger borings up to a maximum depth of 51.5 feet below the existing ground surface and the installation of one (1) five-foot deep well for infiltration testing. The locations of the exploratory excavations are shown on Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the site may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using one, five (5) foot-deep boring (P-1) as shown on Plate 1. The testing was performed on April 19, 2019 in general conformance with the County of Los Angeles for WQMP. The test well was presoaked for 24 hours prior to testing and the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate for P-1 is 0.13 inches per hour, with no factor of safety, as summarized in Table 3-1. Recommendations for infiltration BMP design are presented in Section 6.3.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)	
Test Designation	P-1
Approximate Depth of Test	5.0 ft
Final Time Interval	30 minutes
Radius of Test Hole	4 inches
Tested Infiltration Rate	0.13 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where major right-lateral active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on Alta's review of geologic literature and our subsurface investigation, the project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

4.2.1 Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

4.2.2 Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill which consist of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff and medium

dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings and Bryant (2010) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework the site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which the site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward to the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the Santa Ana sub-block, which is bound on the east by the Whittier-Elsinore fault zone and on the west by Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the onsite sediments are of Quaternary age, and are not fractured, folded, or faulted.

4.4 Groundwater

Groundwater was not encountered to a depth of 51.5 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is ten (10) feet below the ground surface (CDMG, 1998).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles south west of the Puente Hills fault zone, 9.1 miles north 0f the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

4.5.2 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

Seismic design parameters using soil profile types identified in the 2016 California Building Code are presented in Section 7.3.

4.5.3 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically-induced ground shaking.

Groundwater was not encountered during our subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow-stem auger borings and laboratory test results to analyze the liquefaction

potential of the young Quaternary alluvium. A description of Alta's analysis and calculations are presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking.

- **Loss of Bearing:**

  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**

  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  There were no layers within 32 feet of the existing ground surface with $(N1)_{60}$ values less than 15 that are susceptible to liquefaction. As such, it is our opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

- **Settlement:**

  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand

particles. Our liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1.

- **Flow Failure:**

  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

4.5.4 Dry Sand Settlement

Dry sand settlement is the process of settlement of the ground surface during a seismic event in sand layers. Based on the remedial grading recommendations, the density and fines content of the underlying young alluvium, dry sand settlement is not anticipated to be a significant constraint.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) and in-place moisture/density results are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigation, it is our opinion that the majority of the onsite materials possess favorable excavation characteristics such that conventional earthmoving equipment can be utilized.

5.1.2 Compressibility

The onsite artificial fill and upper portions of the young alluvium are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the artificial fill and upper portions of young alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B. These soils may need to be dried or mixed with drier materials before placing them as engineered fill, as noted in Section 6.2.6.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, and/or irregular loading patterns.

Based on our laboratory testing (Appendix C), the potential for hydro-collapse onsite is minimal and should be within foundation tolerances upon the completion of the recommended unsuitable soils removals.

5.1.5 Expansion Potential

Expansion index testing was performed on a sample taken during our subsurface investigation. Based on the results, it is anticipated that the

majority of materials onsite are "medium" to "high" in expansion potential (51≤EI≤130, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Artificial Fill/Young Quaternary Alluvium	Shrink 4% to 6%	5%

5.1.7 Chemical Analyses

Chemical testing was performed on a sample of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Class S0) per ACI 318-14.

Negligible chloride levels were detected in the onsite soils (Appendix C). Resistivity testing conducted as part of this investigation, indicates that the soils are "severely corrosive" to buried metals (per Romanoff, 1989). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Compton criteria.

6.1.1 Site Preparation

Vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Los Angeles Department of Health Services.

Existing concrete from the demolition of the hospital should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a

maximum size of six (6) inches. Prior to placement as engineered fill, any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

6.1.2 Unsuitable Soil Removals

The artificial fill and the upper portions of the young alluvium are compressible and as such, are not suitable to support the proposed structures. Therefore, it is anticipated that, on average, the upper three (3) to six (6) feet of existing soils will require removal and recompaction, extending a minimum of five (5) feet horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet of natural soils is recommended (all artificial fill should be removed and recompacted). For cuts greater than two (2) feet in street areas, removals are not required. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils such as undocumented artificial fill are exposed upon the completion of the removals recommended above, additional removals may be required.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type equipment.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater will not be encountered during construction. It is possible that perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of the compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Types "B" and "C" per OSHA standards. Upon completion of the recommended removals and re-compaction, the artificial fill will be classified as Soil Type "B". It is anticipated that perched water will not be encountered during excavation. The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

6.2.10 Backcut Stability

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary instability, either on or offsite, further restrictions such as slot cutting, extending work days, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Storm Water Infiltration Systems

Municipalities have been increasing the requirement for onsite storm water infiltration, rather than allowing water to enter storm drain systems. From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rate for P-1 was calculated to be 0.13-inches per hour, at approximately 5-feet below the existing ground surface. The results do not include a factor of safety. Given the characteristics of the underlying soil, in our opinion, deeper testing would not result in higher rates.

Groundwater was not encountered during our subsurface investigation at a depth of 51.5 feet below the existing ground surface. The historic-high groundwater is 10 feet below the ground surface (CDMG, 1998).

Given the low infiltration rate, high in-situ moisture content and fine-grained nature of the underlying soil, infiltration WQMP systems are likely not feasible at the subject site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.4 Boundary Conditions

The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue. Construction of retaining/screen walls in these areas may require additional

geotechnical recommendations concerning unsuitable soil removals and foundation design parameters as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story, wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess "medium" to "high" expansion potential when tested in general accordance with ASTM Test Method D: 4829. Due to the expansion potential, it is anticipated that post-tensioned slabs will be utilized for the project.

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement - 0.5 inches in 40 feet Dynamic Settlement - 0.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-3. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2016 CBC.

TABLE 7-3
POST-TENSION SLAB DESIGN PARAMETERS

Category	Expansion Potential	Minimum Embedment*	Edge Lift		Center Lift	
			Em (ft)	Ym (inch)	Em (ft)	Ym (inch)
II	Medium	18 inches	5.0	1.10	9.0	0.46
III	High	24 inches	4.5	1.58	9.0	0.65
Slab Subgrade Moisture						
Category II	Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete					
Category III	Minimum 130% of optimum moisture to a depth of 18 inches prior to pouring concrete					
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, the minimum embedment depths can be reduced to 12-inches for Category II and 18-inches for Category III.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic

membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site has been identified as "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the project are presented on Figure 1. These parameters should be verified by the structural engineer. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

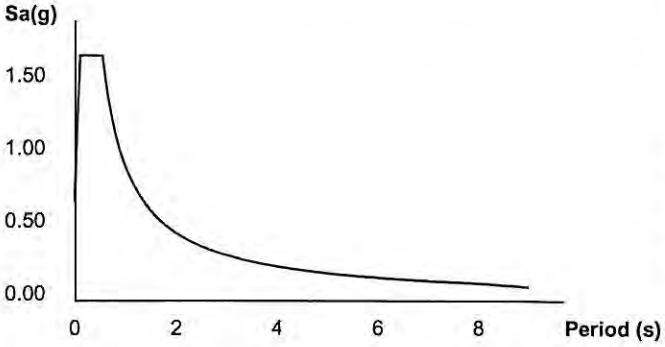
7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

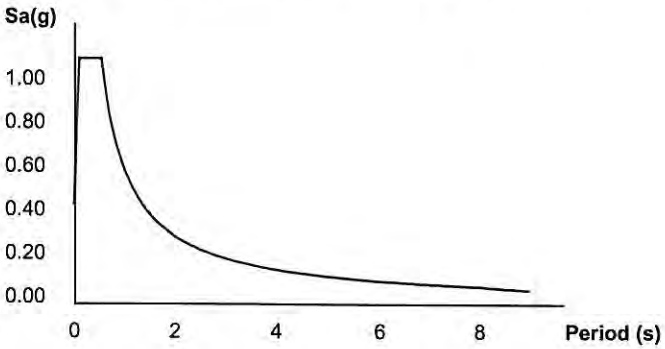
Search Information

Address:	930 W Compton Blvd, Compton, CA 90220, USA
Coordinates:	33.895486, -118.24094000000002
Elevation:	83 ft
Timestamp:	2019-04-30T19:17:15.204Z
Hazard Type:	Seismic
Reference Document:	ASCE7-10
Risk Category:	II
Site Class:	D

MCER Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S_S	1.682	MCE_R ground motion (period=0.2s)
S_1	0.616	MCE_R ground motion (period=1.0s)
S_{MS}	1.682	Site-modified spectral acceleration value
S_{M1}	0.924	Site-modified spectral acceleration value
S_{DS}	1.122	Numeric seismic design value at 0.2s SA
S_{D1}	0.616	Numeric seismic design value at 1.0s SA

▾Additional Information

Name	Value	Description
SDC	D	Seismic design category
F_a	1	Site amplification factor at 0.2s
F_v	1.5	Site amplification factor at 1.0s
CR_S	0.986	Coefficient of risk (0.2s)
CR_1	1.002	Coefficient of risk (1.0s)
PGA	0.623	MCE_G peak ground acceleration
F_{PGA}	1	Site amplification factor at PGA

FIGURE 1

7.6 Retaining Wall Design

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Based on the fine-grained nature of the soils onsite, it is anticipated suitable free-draining backfill material will need to be imported to the site. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-3 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-3
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2016 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $21H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2016 CBC.

- Restrained retaining walls should be designed for "at-rest" conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case by case basis.

7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

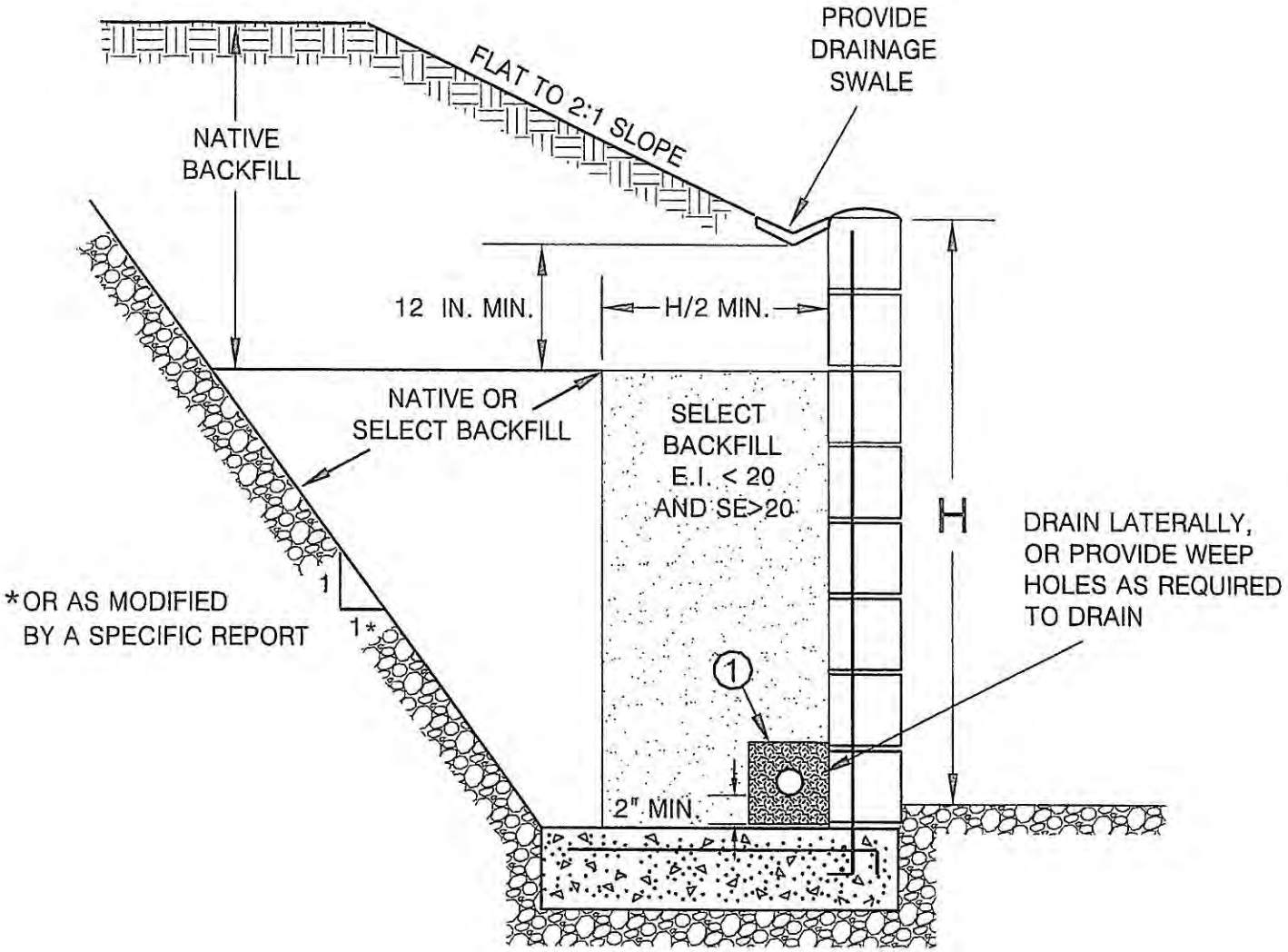
7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 120 percent of optimum moisture (medium expansion) or a

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

minimum of 130 percent of optimum moisture (high expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as medium in expansion potential with possible amounts of high expansive soil. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium or high expansive soils. Given the expansion potential, consideration should be given to reinforcing concrete flatwork with a minimum of 6x6-W1.4xW1.4 welded wire mesh.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils. Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 10, the pavement may be designed utilizing the sections presented in Table 7-4. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Compton's purview.

Table 7-4 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 10-inch AB	4-inch AC on 7-inch AB
5.5	3-inch AC on 11-inch AB	4-inch AC on 8.5-inch AB
6.0	3.5-inch AC on 11.5-inch AB	4-inch AC on 10.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Compton. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. The following recommendations should be implemented.

8.1 Lot Drainage

Roof, pad and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Owners should be made aware that they are responsible for maintenance and cleaning of

all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Residents or owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this

report. If the project description or final design varies from that described herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling five (5) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate locations of the exploratory excavations are shown on Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Ring Samples 2. Bulk Samples	1. Ring-Select Depths 2. Bulk-Select Depths

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200 | 40 | 10 | 4

CLEAR SQUARE SIEVE OPENINGS: 3/4" | 3" | 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	Sieve Analysis
SA	Maximum Density
MAX	Resistance (R) Value
RV	Expansion Index
EI	Sand Equivalent
SE	Atterberg Limits
AL	Chemical Analysis
CHEM	Hydrometer Analysis
HY	

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @ 0.5 ft. dark brown, moist.				
	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 3.5 ft. brown.	19.7	102	84	
5		R	38		ML	@ 5.0 ft. CLAYEY SILT, light tan brown to brown, moist, very stiff, trace gravel up to 1/4" in diameter.	20.0	104	89	
	75	R	38			@ 7.5 ft. brown.	18.3	111	99	
10		R	53			@ 10.0 ft. brown w/ mottled light tan.	19.0	108	94	
	70									
15		R	36			@ 15.0 ft. light brown.	16.3	103	72	
					CL	@ 16.0 ft. SILTY CLAY, brown w/light tan mottling, very stiff, few gravel up to 3/4" in diameter.				
	65									
20		R	42		ML	@ 20.0 ft. CLAYEY SILT, light brown tan, moist, very stiff.	21.8	102	94	
	60									
25		S	6,8,10			25.0 ft. brown.				
	55									
30		S	5,8,11							
	50									
35		S	8,10,13							
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	11,17,18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya); Continued: @ 41.0 ft. SILTY CLAY, brown, moist, very stiff.				
40										
45		S	18,21,30		SP	@ 45.0 ft. SAND, fine to medium grained, white tan, slightly moist, very dense.				
35										
50		S	21,33,37			@ 50.0 ft. moist.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry stiff, w/roots, few gravel up to 1/2" in diameter. @ 0.5 ft. dark brown, moist, concrete cobbles up to 7" in diameter.				
	80	R	16				14.3	116	89	
		B								
5		R	34		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	13.0	120	92	
	75									
10		R	71		ML	@ 10.0 ft. CLAYEY SILT w/SAND, white/orange brown, moist, very stiff.	12.0	120	84	HY, AL
	70									
15		R	38			@ 15.0 ft. slightly moist, brown.	21.3	105	99	
	65									
20		R	35			@ 20.0 ft. light orange brown, moist, stiff.	18.9	105	86	
	60									
25		S	5,9,12							
	55									
30		S	6,7,13		ML	@ 30.0 ft. SILT, light brown, moist, stiff, few clay.				
	50									
35		S	7,13,20			@ 35.0 trace gravel up to 1/4" in diameter.				
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	15,15,15		SC	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; CLAYEY SAND, brown, moist, very stiff.				
40										
45		S	10,10,15		ML	@ 45.0 CLAYEY SILT, brown, moist, very stiff. @ 46.5 ft. gray brown.				
35										
50		S	5,10,12			TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
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S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80	R	13				16.1	110	84	
5		R	22		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY w/SAND, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	17.6	112	98	CON, HY
	75	R	80			@ 7.5 ft. brown w/tan mottling.	15.3	112	84	CON, HY
					ML	@ 8.5 ft. CLAYEY SILT, tan, moist, very stiff.				
10		R	60			@ 10.0 ft. light brown w/tan mottling.	13.3	120	92	
	70									
15		R	19				18.6	103	82	
	65									
20		R	24			@ 20.0 ft. brown w/orange mottling.	19.9	105	91	
	60									
25		S	6,8,10		CL	@ 25.0 ft. SILTY CLAY, brown, moist, stiff.				HY, AL
	55									
30		S	7,7,10							
	50									
35		S	9,15,14		ML	@ 35.0 ft. CLAYEY SILT, brown, w/orange mottling, moist, very stiff.				
	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	10,10,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, stiff, few clay.				
					SP	@ 41.5 ft. SAND, fine to medium grained, light brown, medium dense, few silt.				
	40									
45		S	19,31,25							
	35									
50		S	3,6,10		ML	@ 50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
0	83	B			CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist, concrete cobbles up to 1' in diameter				MAX, EI, HY, CHEM
5	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown, moist, stiff, trace gravel up to 1/4" in diameter.	16.1	114	95	
10	75	R	38		ML	@ 10.0 ft. CLAYEY SILT, light tan, moist, very stiff.	18.1	102	77	
15	70	R	31			@ 15.0 ft. brown, very stiff.	23.1	100	95	
20	65	R	26		CL	@ 20.0 ft. SILTY CLAY, brown w/orange mottling, moist, very stiff.	18.4	107	89	
25	60	S	3,7,9			@ 25.0 ft. stiff.				
30	55	S	4,6,9			@ 30.0 ft. trace gravel up to 1/4" in diameter.				
35	50	S	9,14,16		ML	@ 35.0 ft. CLAYEY SILT, brown, moist, very stiff.				
45	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	13,15,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, very stiff, fine grained sand.				
	40									
45		S	13,17,21			@ 45.0 ft. more sand.				
	35									
50		S	3,6,10		ML	@50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- [R] RING (DRIVE) SAMPLE
- [S] SPT (SPLIT SPOON) SAMPLE
- [B] BULK SAMPLE [T] TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter.				
	80					@0.5 ft. dark brown, moist.				
5		R	15		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): CLAYEY SILT, light tan, slightly moist, stiff.	11.6	105	53	
	75									
10		R	58			@ 10.0 ft. light brown.	18.7	106	88	
	70									
15		R	33			@ 15.0 ft. brown w/tan mottling, very stiff.	21.7	104	97	
	65									
20		R	33				19.7	105	90	
	60				ML	@ 21.0 ft. SILT, orange brown, moist, very stiff.				
25		S	5,6,9		ML	@ 25.0 ft. CLAYEY SILT, brown, moist, stiff.				
	55									
30		S	5,7,9			@ 30.0 ft. orange brown.				
	50									
35		S	7,11,14							
	45					Continued.				

SAMPLE TYPES:
R RING (DRIVE) SAMPLE
S SPT (SPLIT SPOON) SAMPLE
B BULK SAMPLE T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	4,6,14		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown w/orange mottling, moist, stiff, few clay.				
40										
45		S	6,8,12		CL	@ 45.0 ft. SILTY CLAY, brown, moist, stiff.				
35										
50		S	7,10,13		ML	@ 50.0 ft. CLAYEY SILT, brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	P-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80									
					CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 4.0 ft. brown.				
5						TOTAL DEPTH 5.0 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-6

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk sample was evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively "undisturbed" soil samples at their natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

compression to the original 1-inch height. The consolidation test results are shown on Plates C-1 and C-2.

Atterberg Limits

Atterberg limit testing of two samples was performed by Alta. The results of these tests are presented on Table C.

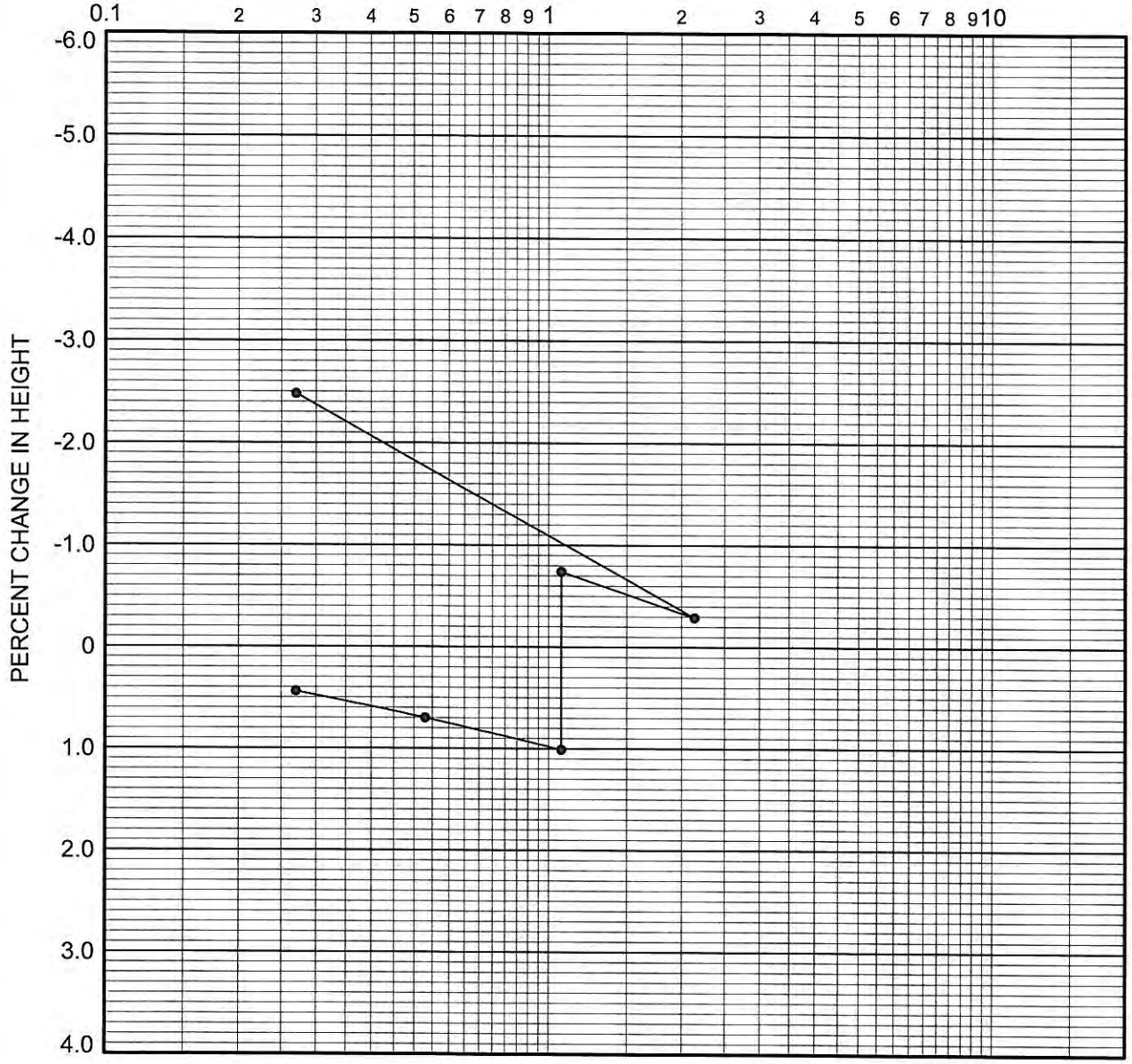
Chemical Analyses

Chemical testing of selected samples was performed by Alta. The results of these tests are presented in Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0286

Boring/Pit No.	Depth (Feet)	Soil Description	Group Symbol - Unified Soil Classification System	Maximum Dry Density		Direct Shear	Grain Size Analysis				Expansion Index	Sulfate Content (%)	Consolidation	Other Tests Remarks
				Maximum Density (pcf)	Optimum Moisture (%)		Gravel (% + No. 4 Screen)	% Sand	%Silt (0.074 to 0.005mm)	% Clay (-0.005 mm)				
B-2	10	Clayey Silt w/Sand (Qya)	ML				0	26	41	33				LL=31 PL=18 PI=13
B-3	5	Silty Clay w/Sand (Qya)	CL				0	32	28	40			See Plate C-1	
B-3	7.5	Silty Clay (Qya)	CL				1	17	40	42			See Plate C-2	
B-3	25	Silty Clay (Qya)	CL				0	4	43	53				LL=47 PL=26 PI=21
B-4	2-5	Silty Clay w/Sand (af)	CL	122.9	12.3		1	23	37	39	83	ND		Min. Resistivity - 950 OHM-CM Chloride - 10ppm PH - 7.4

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	5.0	112	17.6	98	68	CL	Silty Clay w/Sand (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

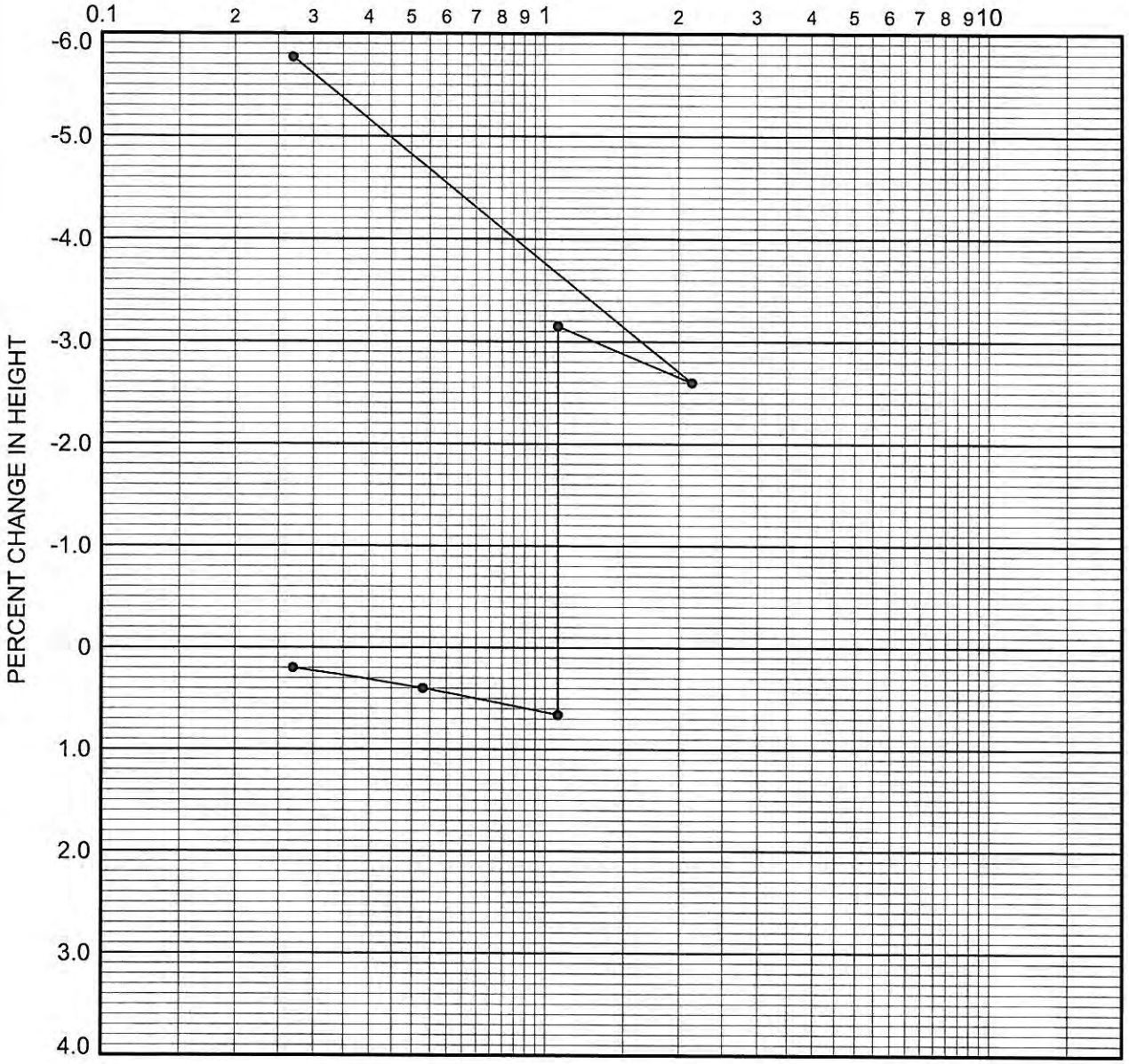
CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-1

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	7.5	112	15.3	84	82	CL	Silty Clay (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-2

Appendix D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

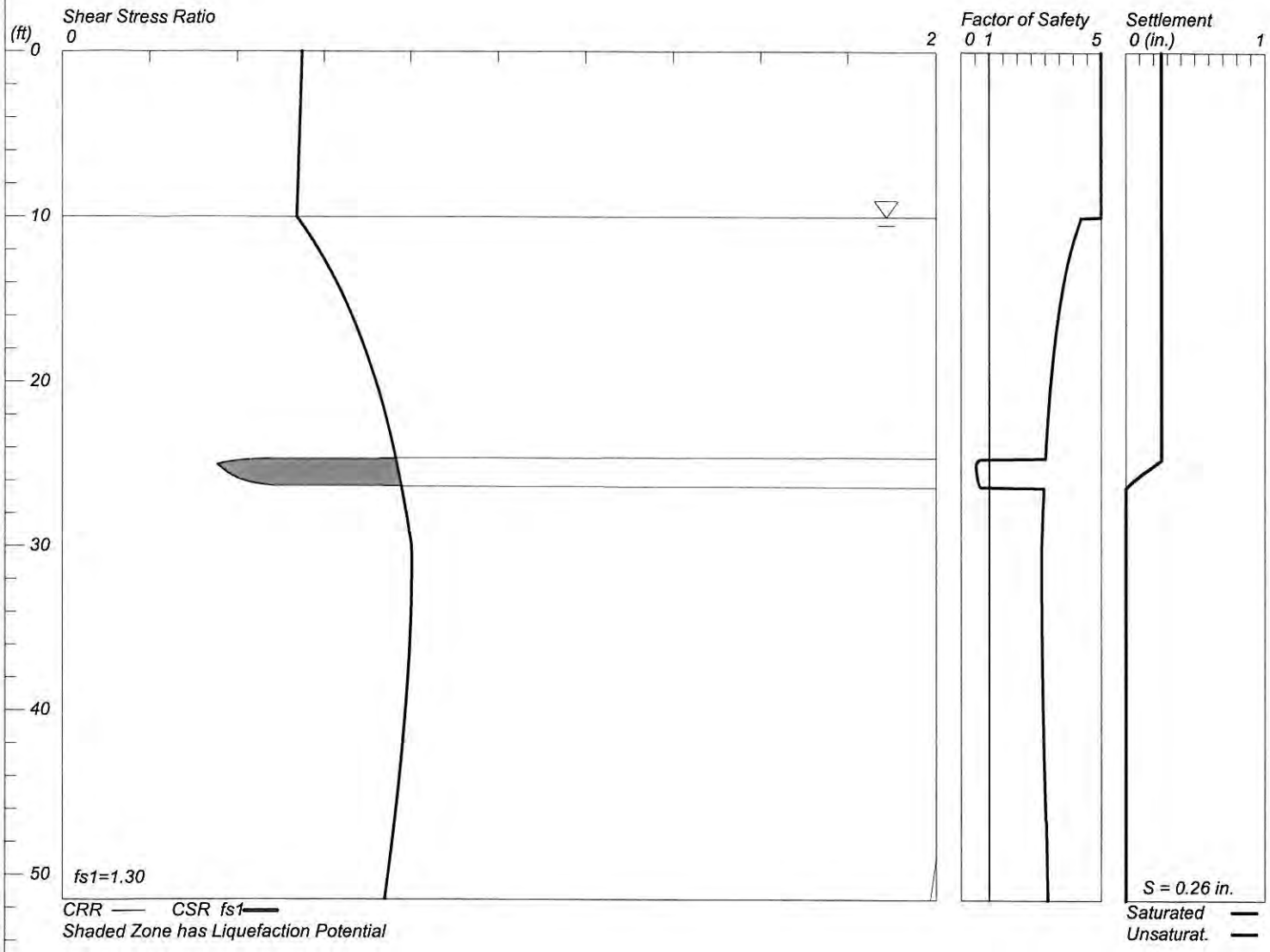
A liquefaction analysis was performed for the site based on SPT data gained from the hollow stem auger drilling. The Ishihara/Yoshimine method to analyze dynamic settlement for the SPT data. The calculations used the following constants: 0.65g for site acceleration, 7.1 for the magnitude of the earthquake, and a groundwater depth of 10 feet below existing grade. A factor of safety of 1.3 was utilized. The results are presented on Plate D-1 through D-5.

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-1 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



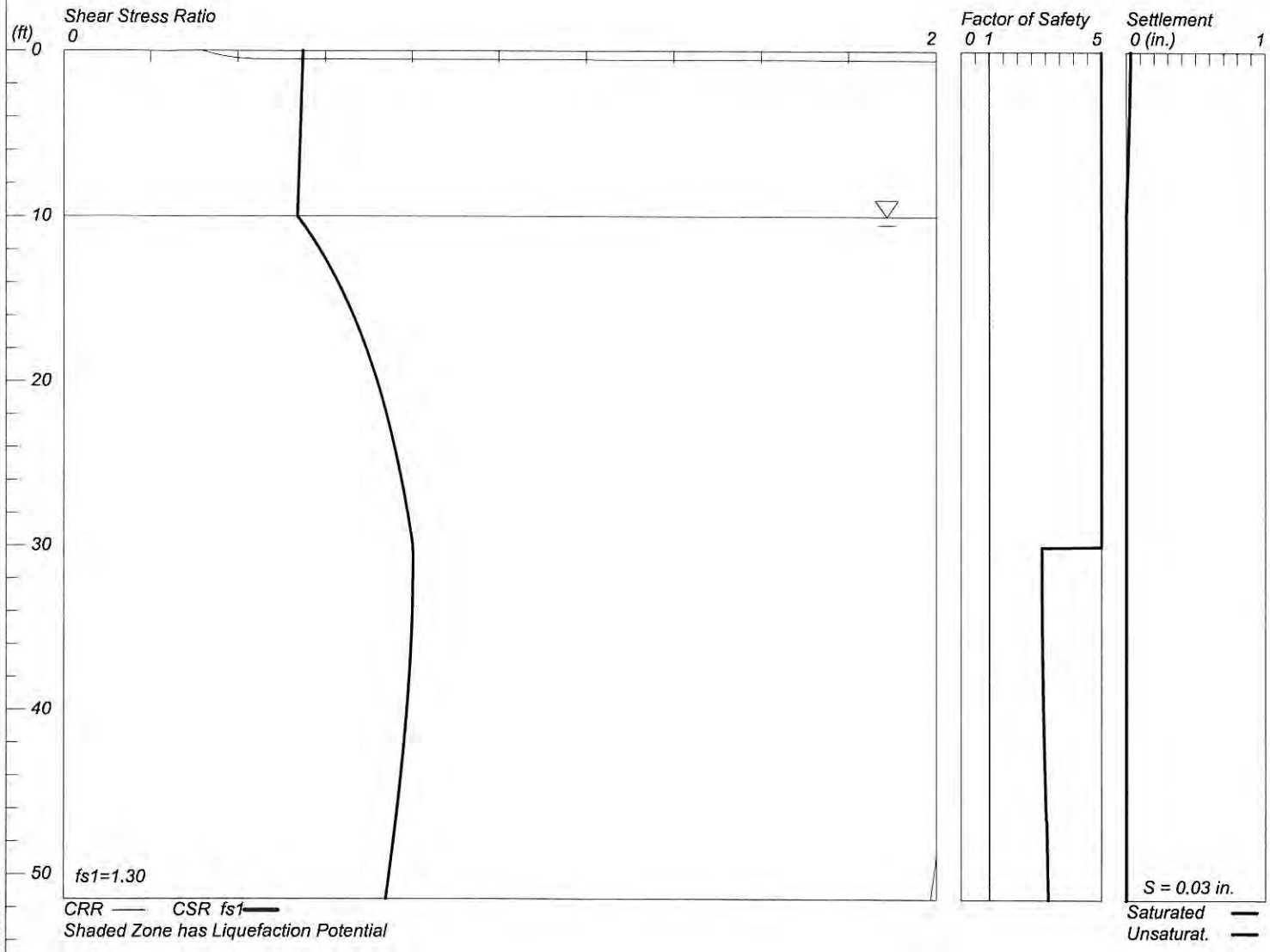
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-2 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



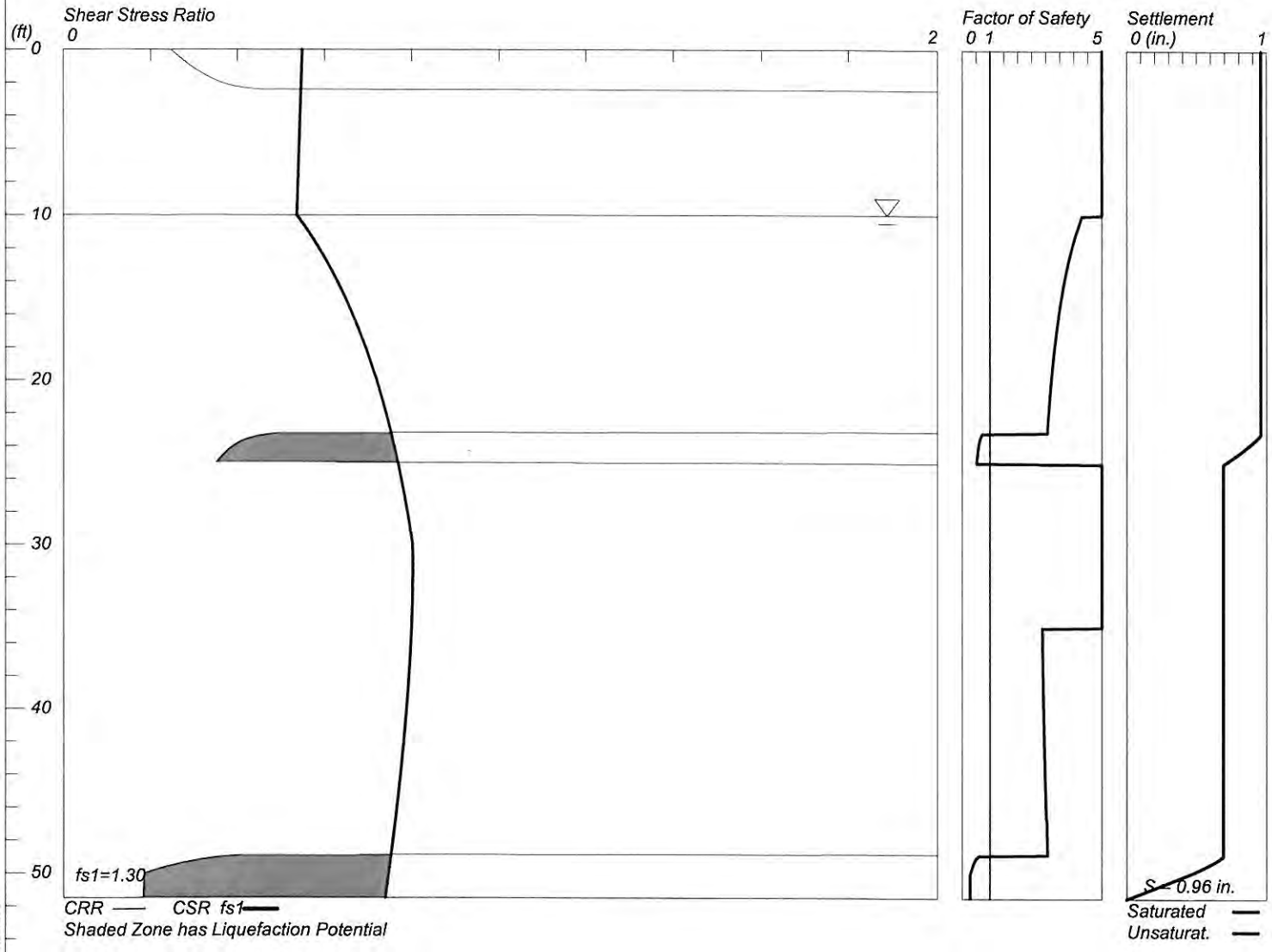
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-3 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



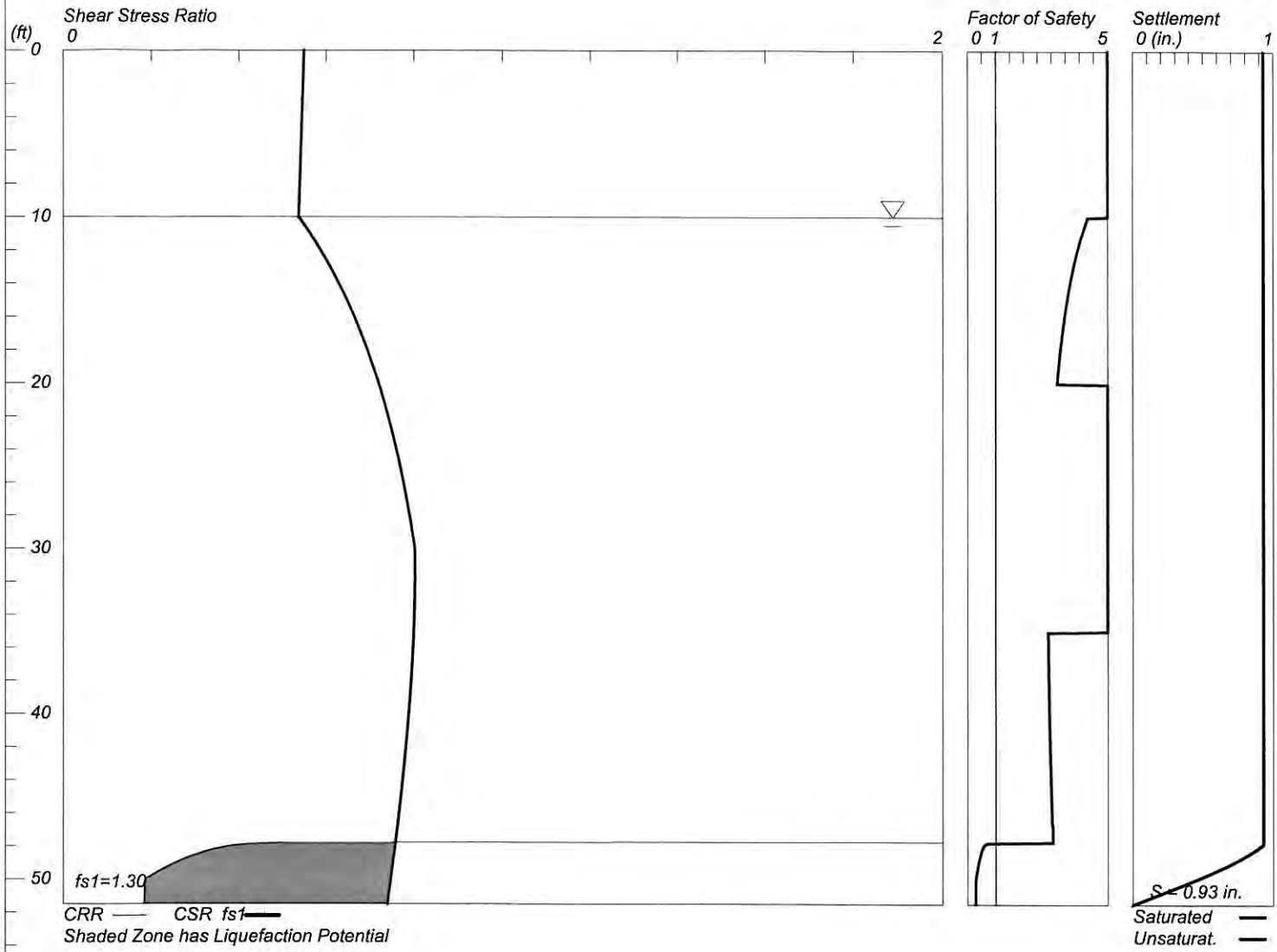
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-4 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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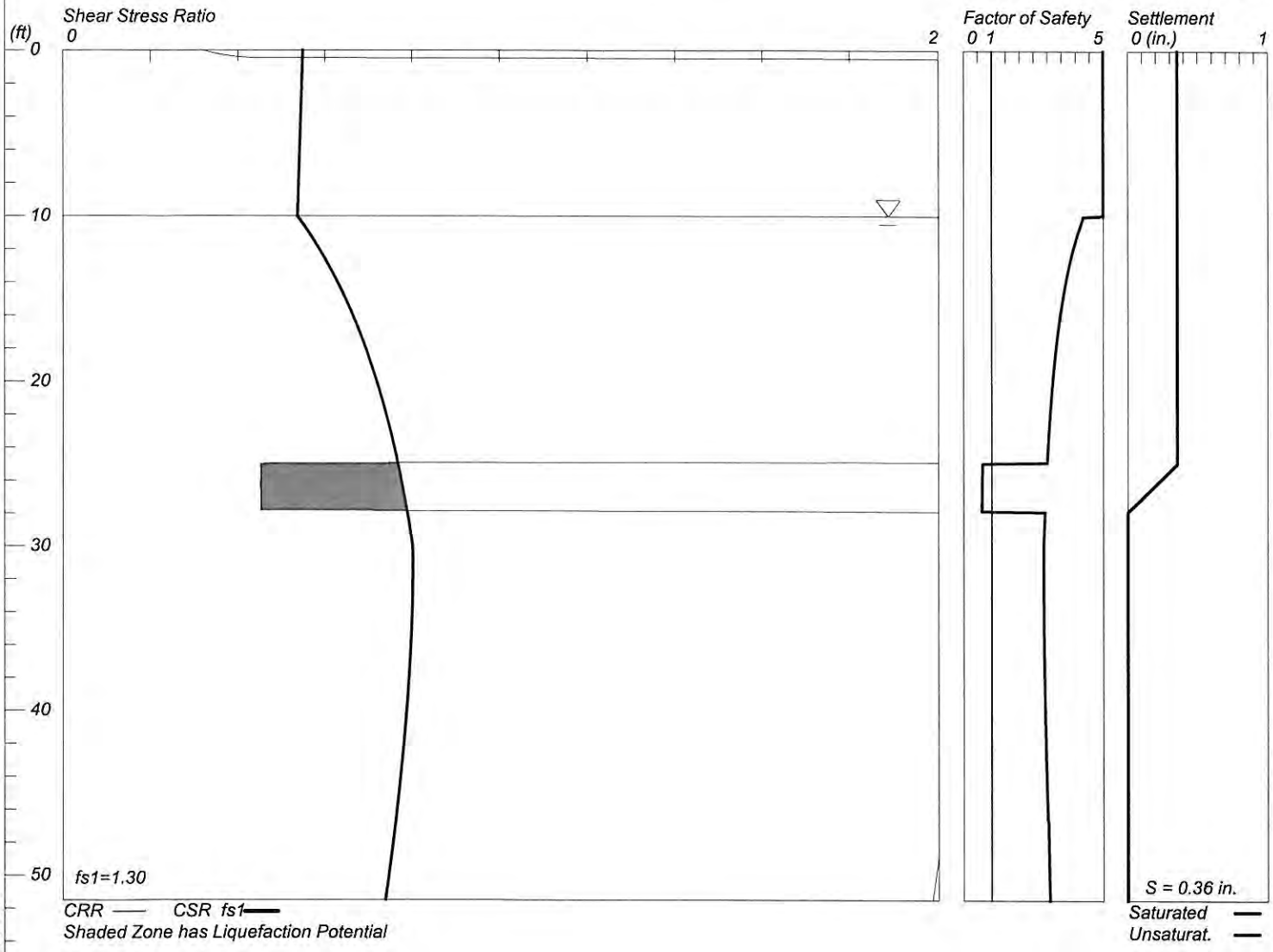
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-5 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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APPENDIX E

Maintenance Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.
- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. **ENGINEERED FILLS**

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. **FINISHED SLOPES**

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

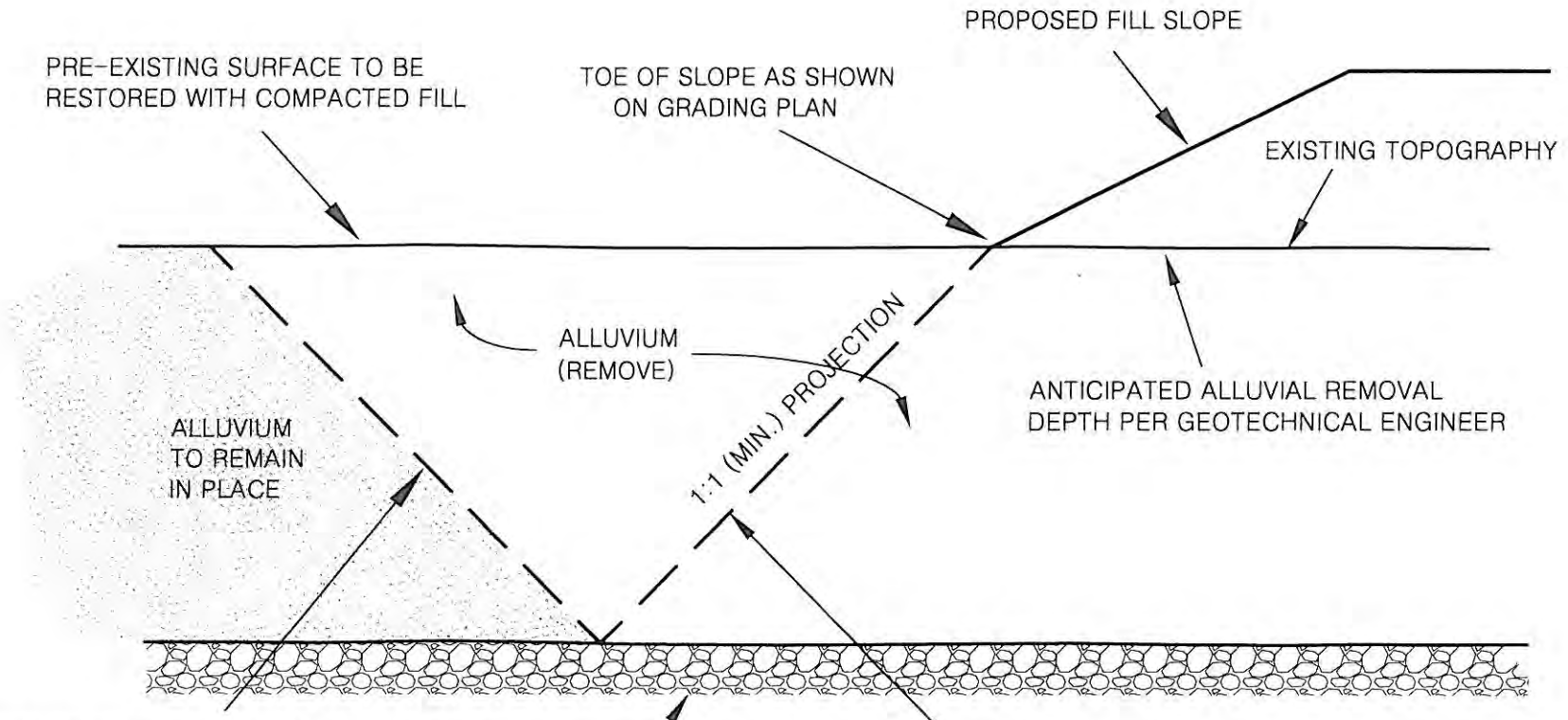

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PLATE G-1

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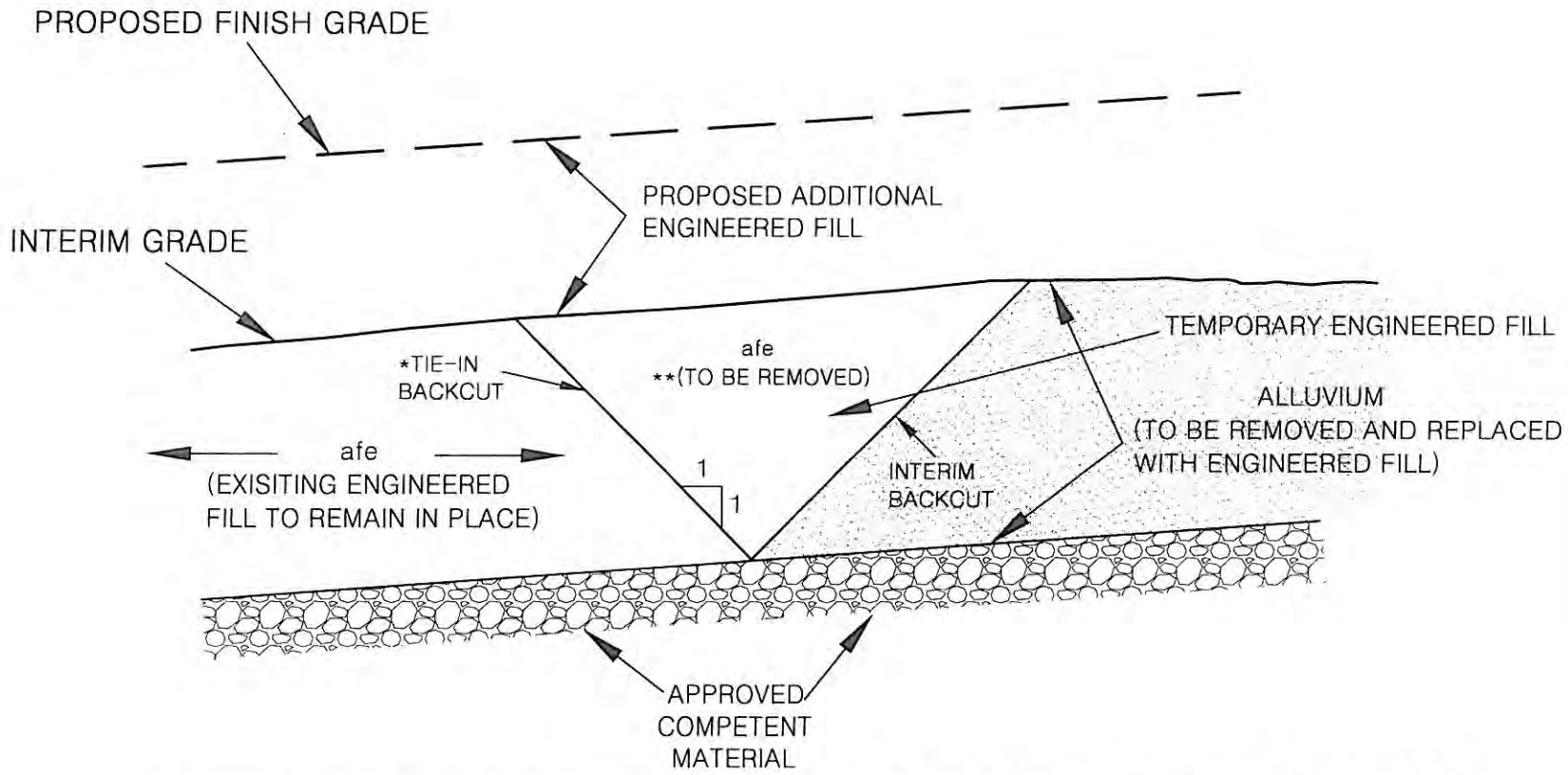
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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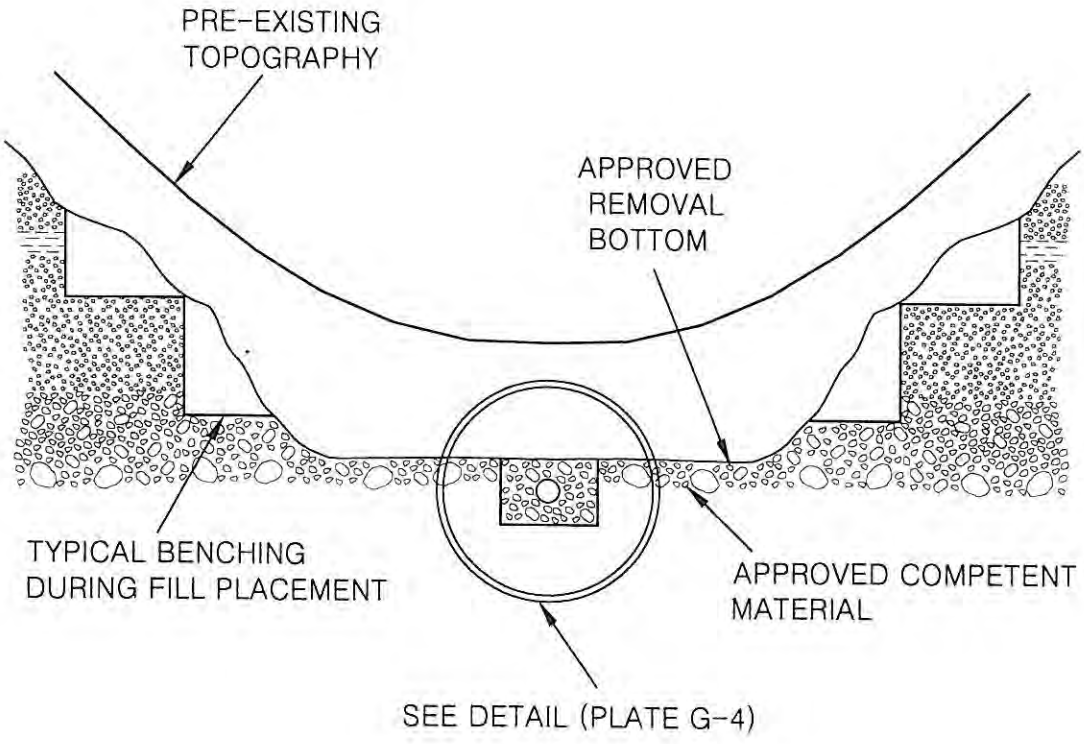
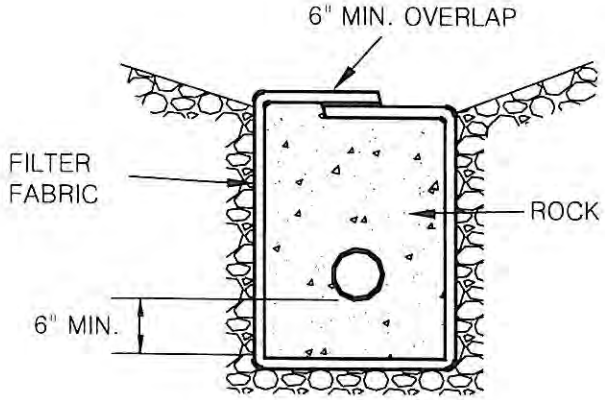
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL



PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK

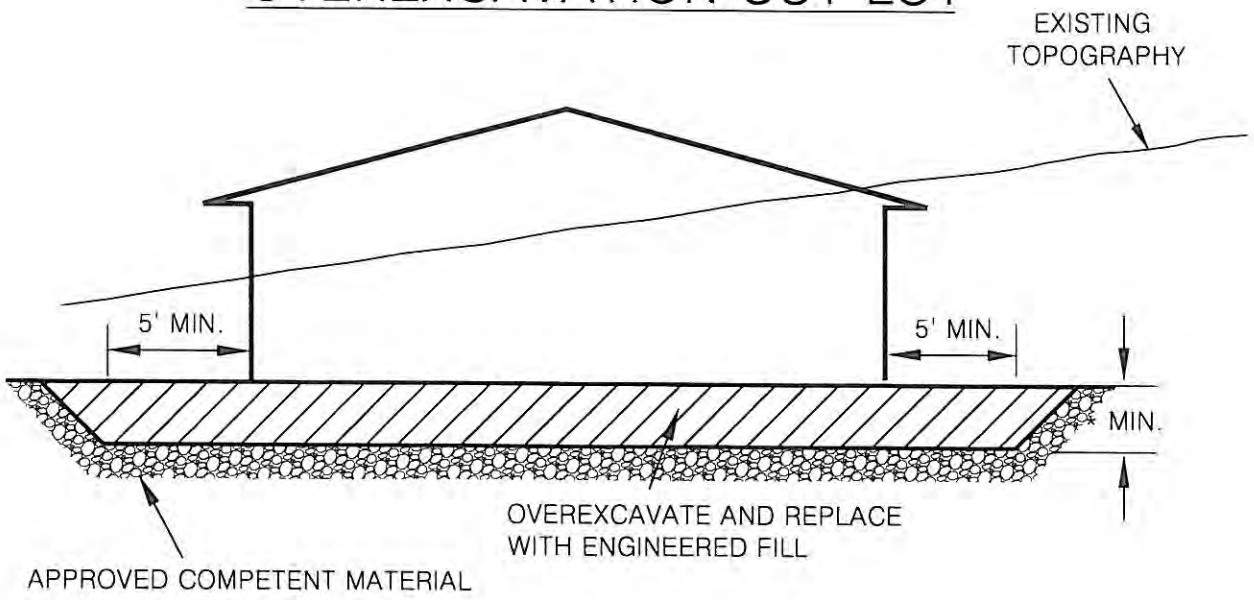
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

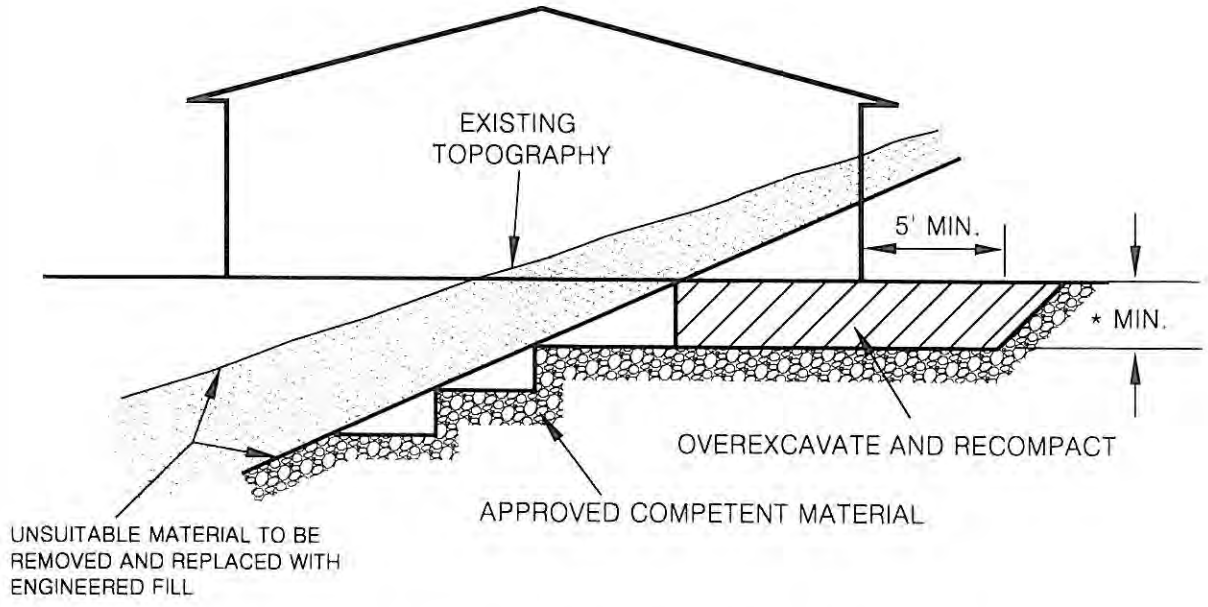
NOTES:

1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



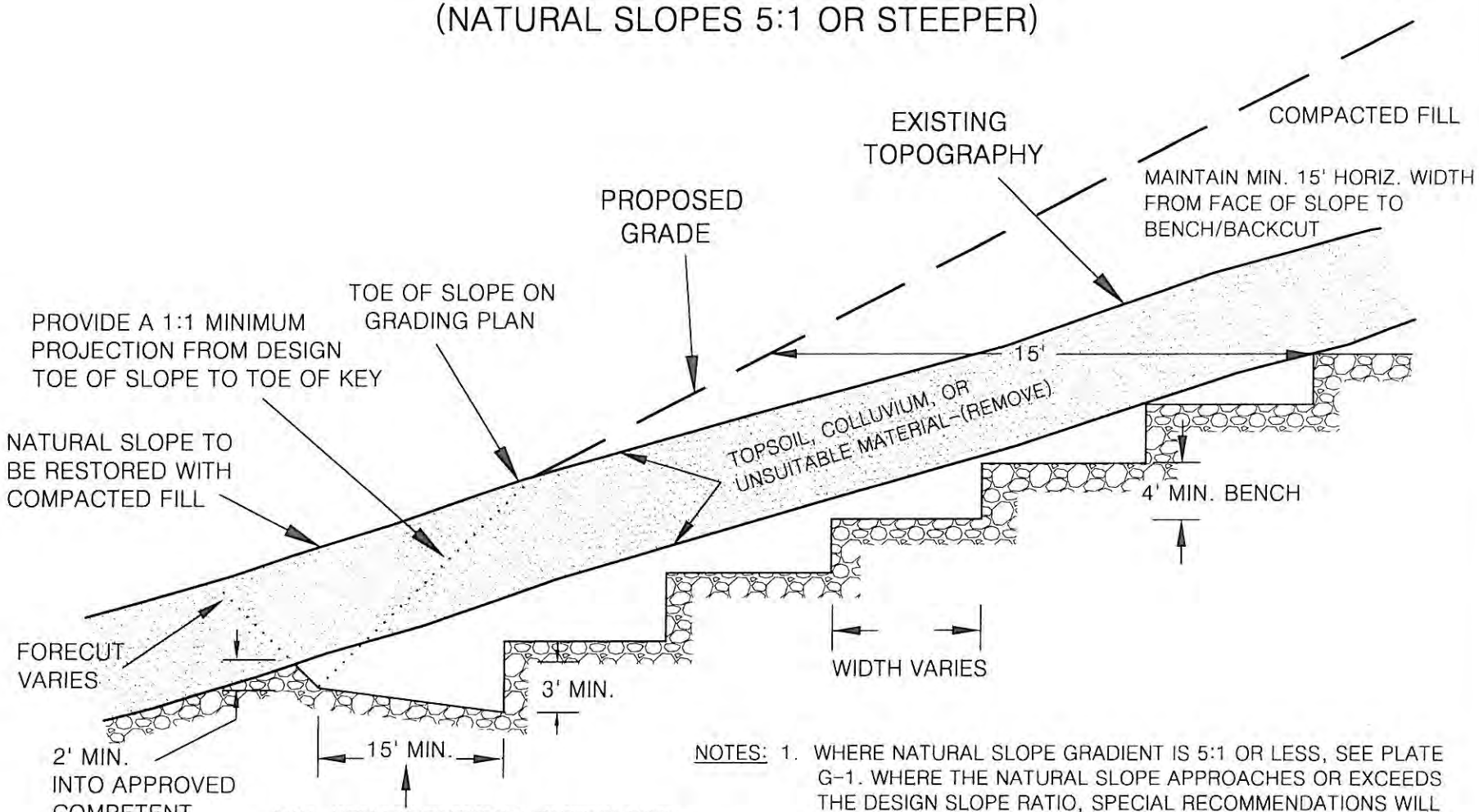
CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

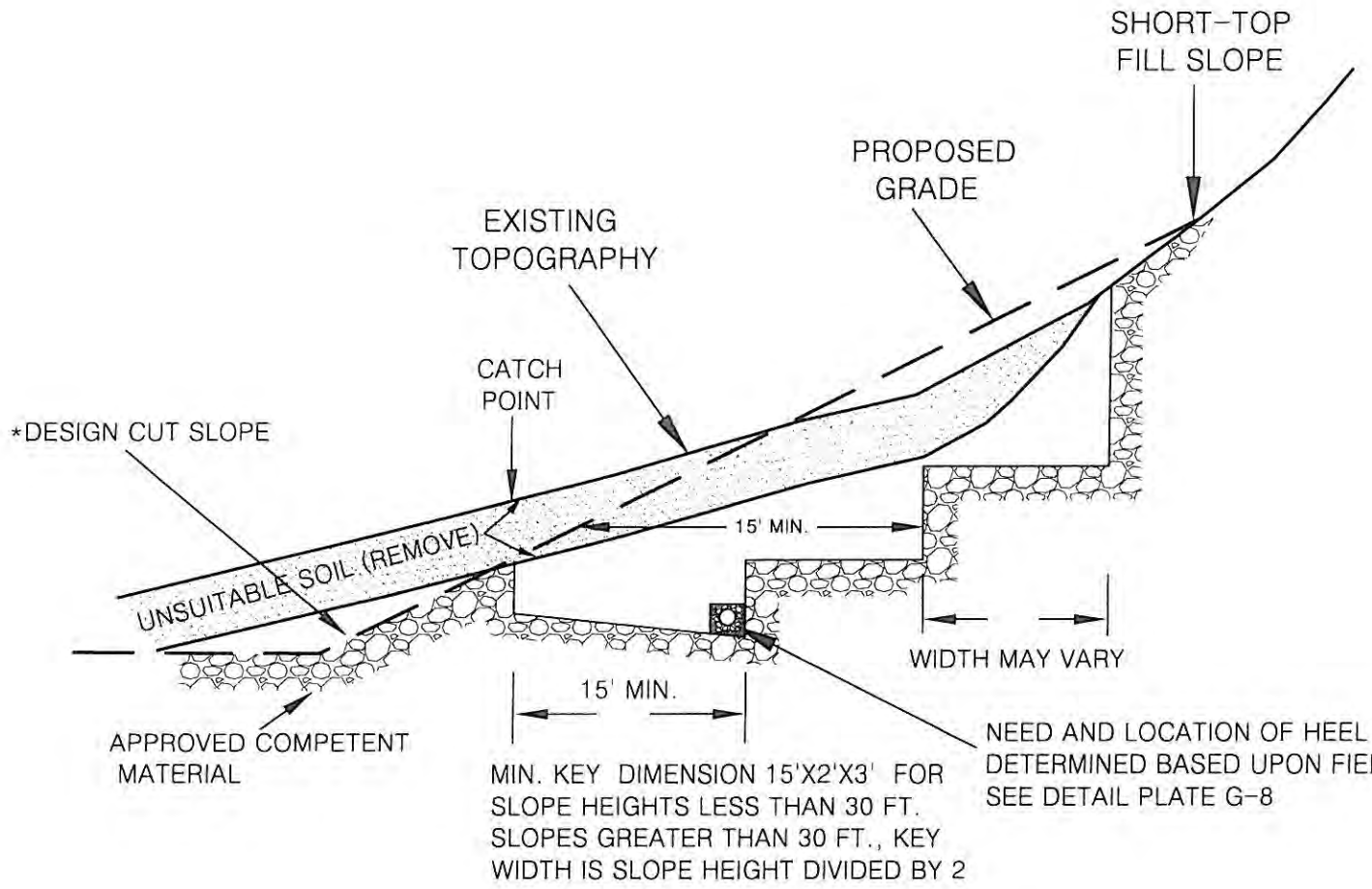
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:
1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

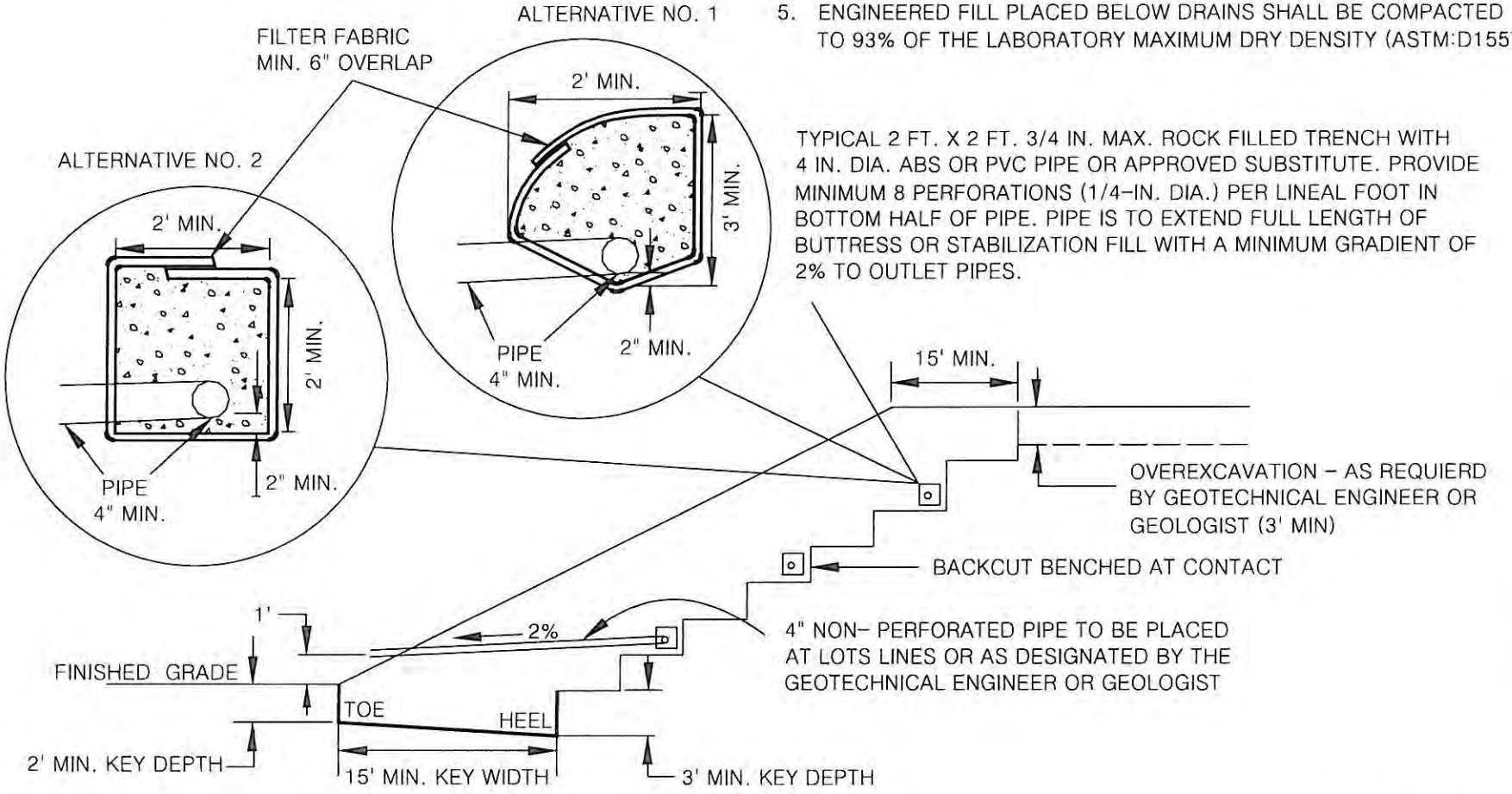

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PLATE G-8

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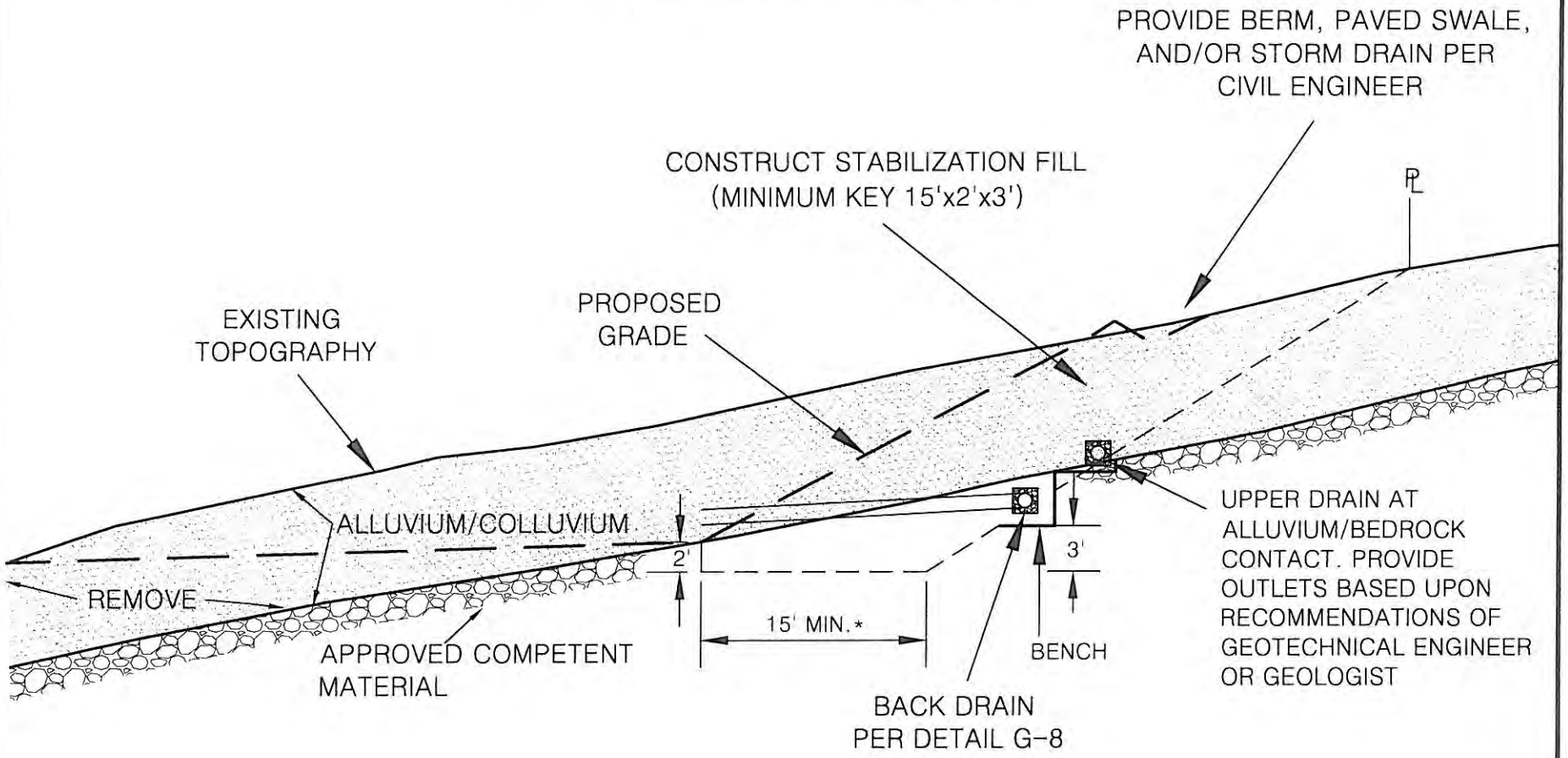
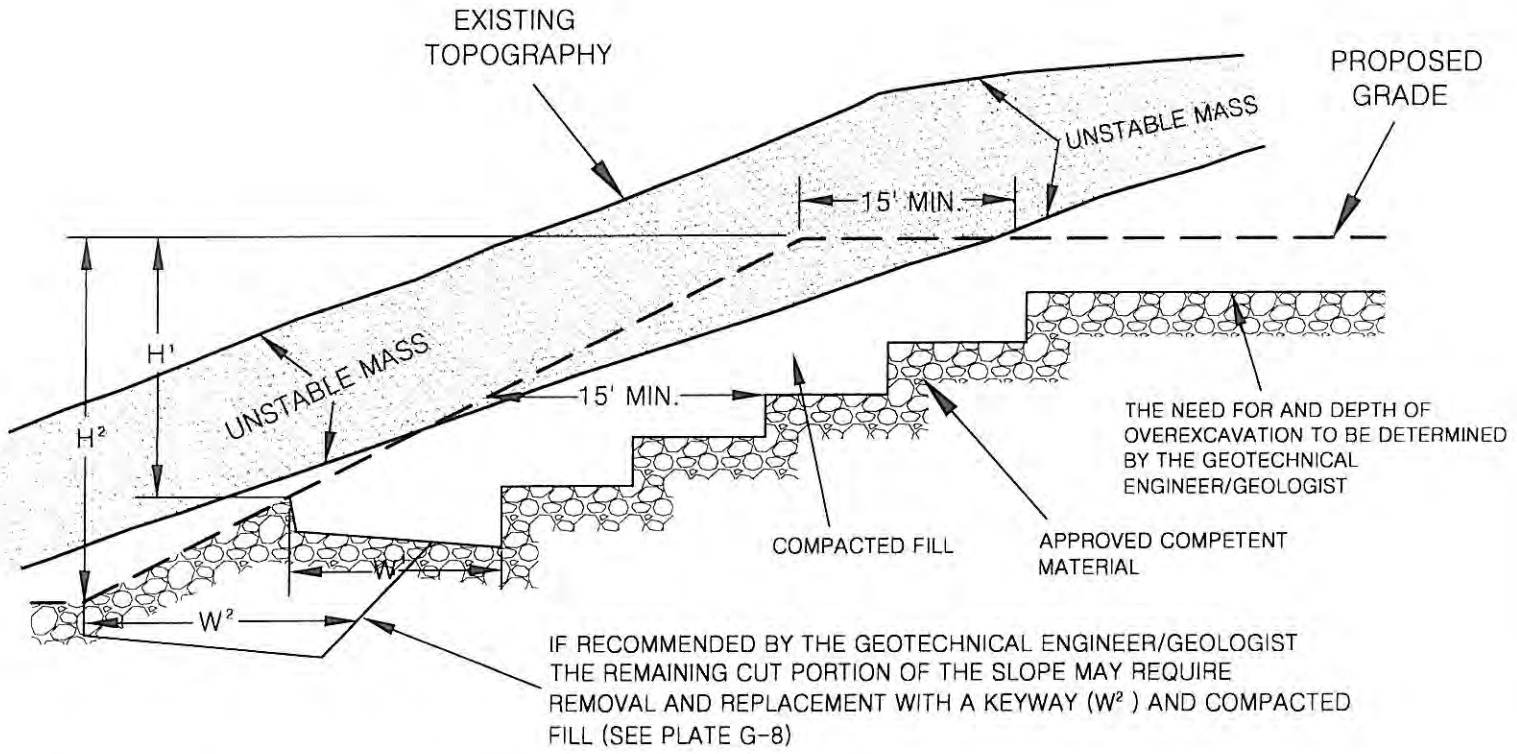
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

SKIN FILL SLOPE OVER NATURAL GROUND

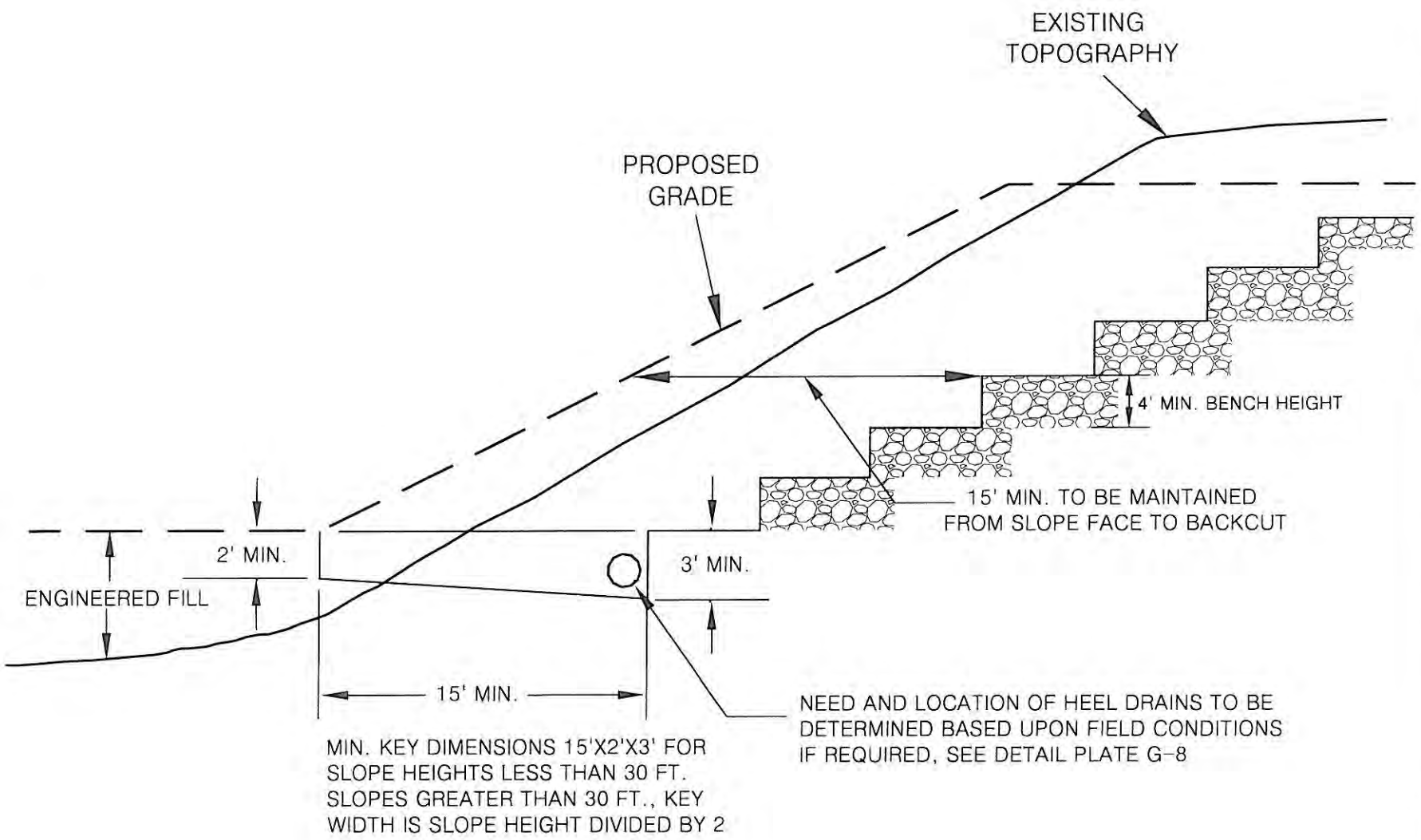


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PLATE G-11

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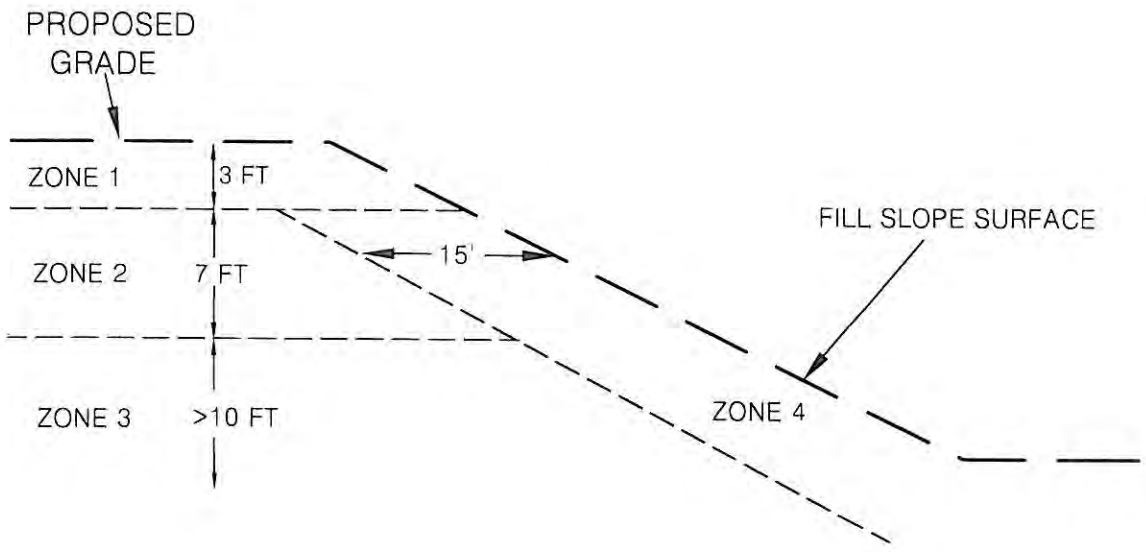
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤0.5 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

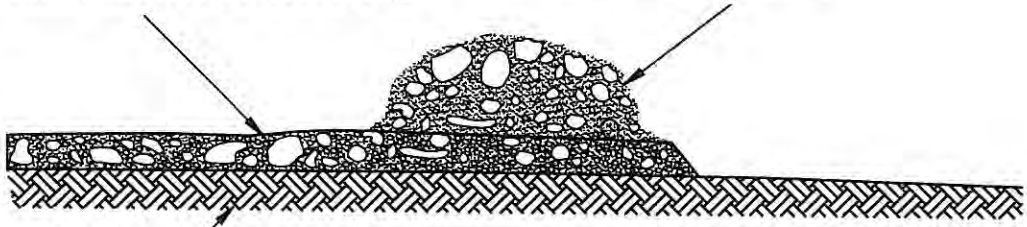
ROCK BLANKET DETAILS

LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)

APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER), HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

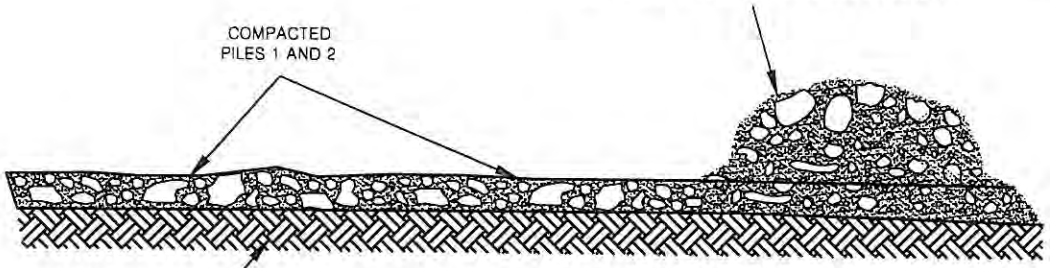
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

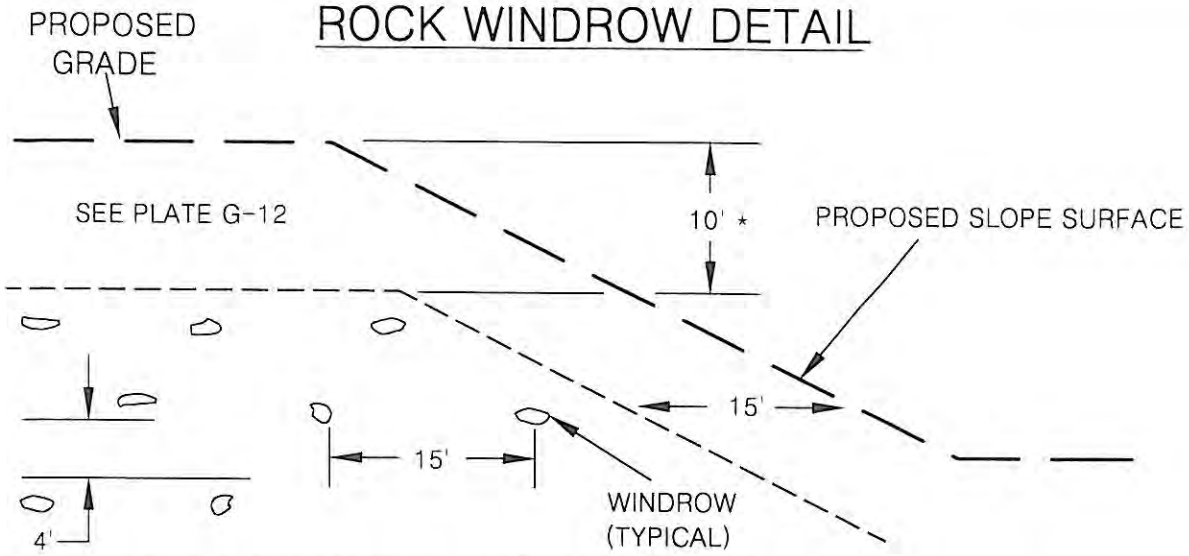


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

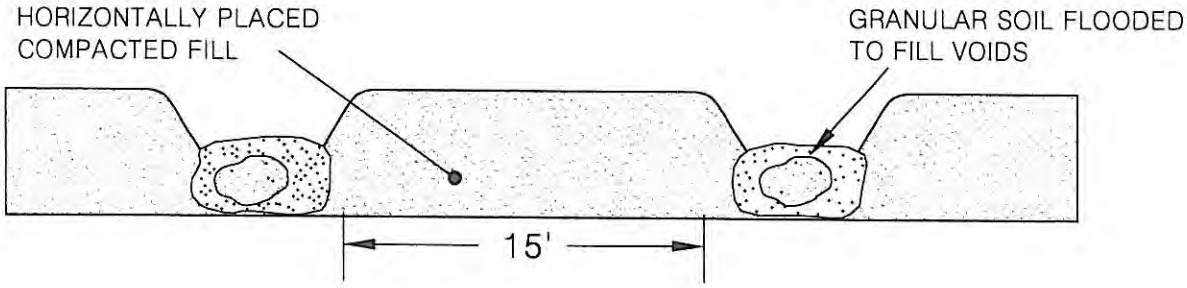
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



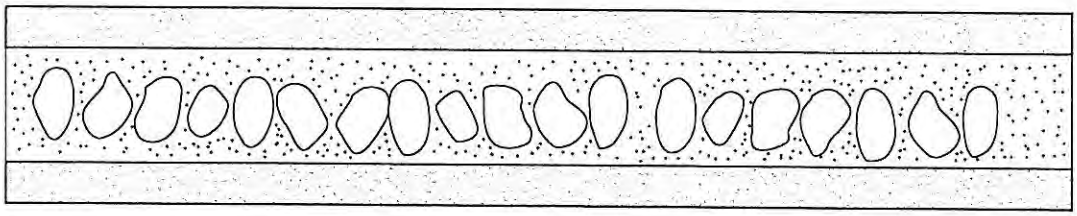
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

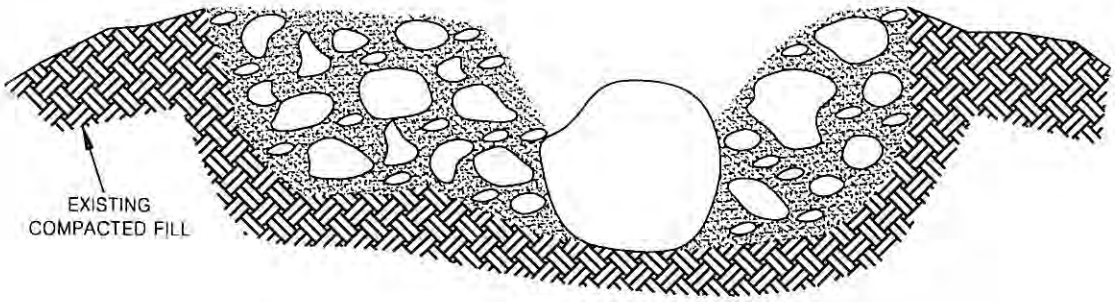


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

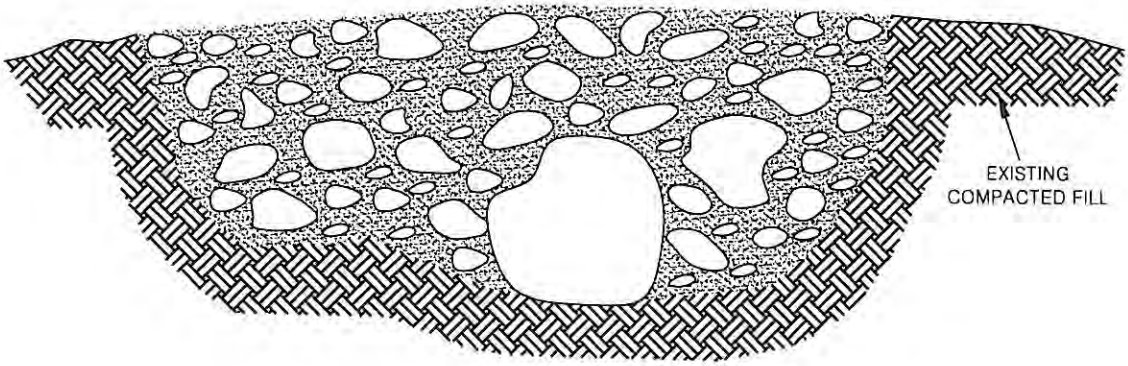
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

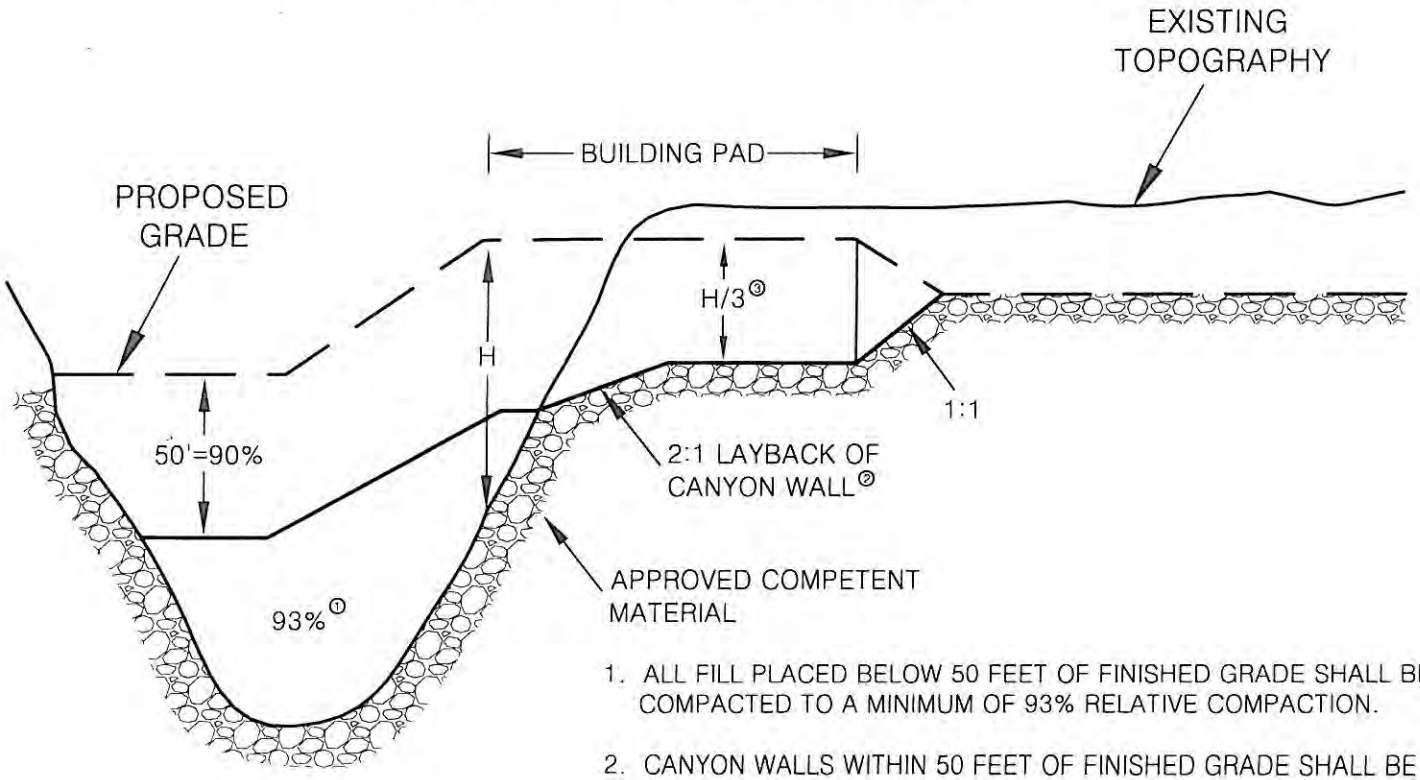


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

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VER. 3/12

PLATE G-16

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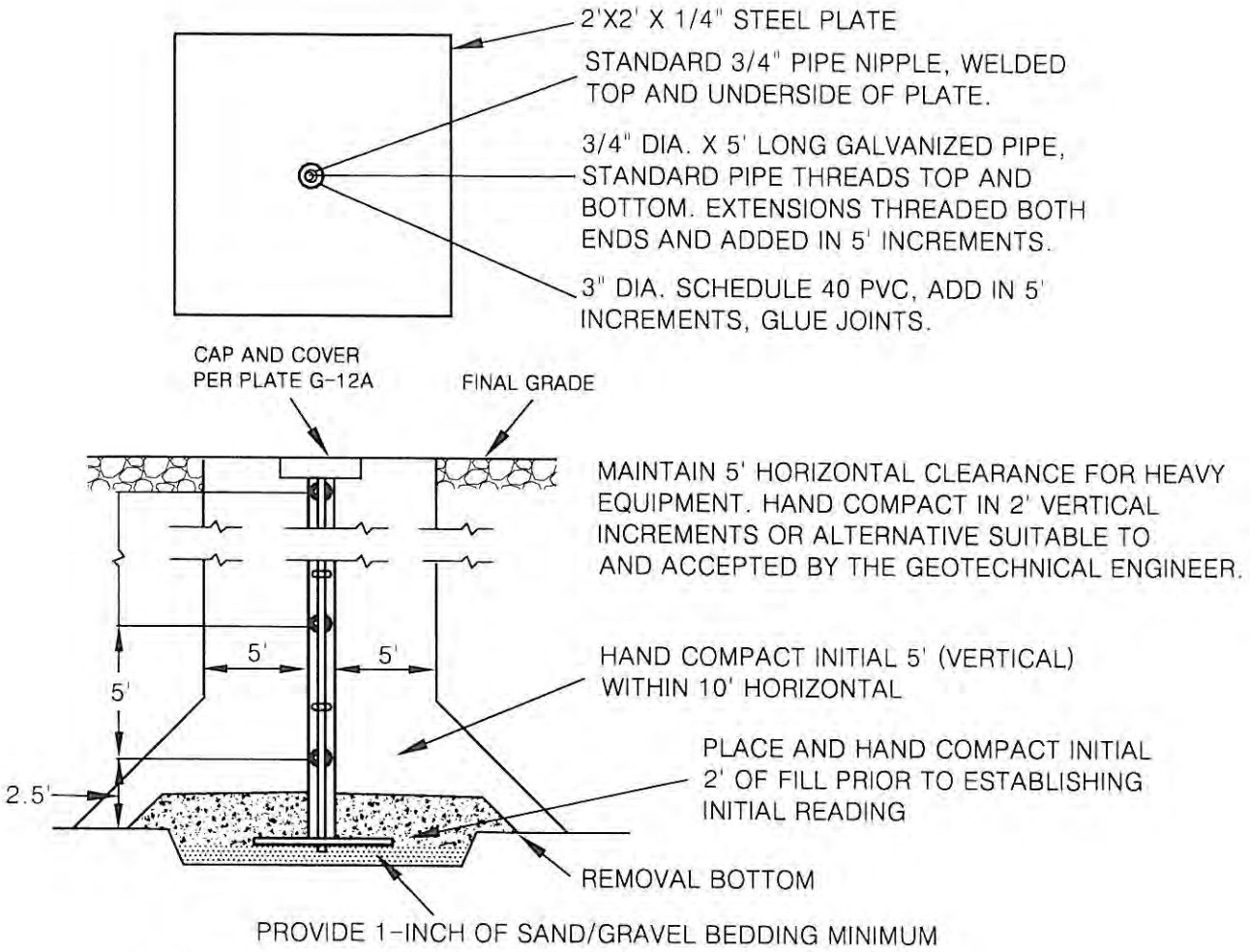
SETTLEMENT PLATE DETAIL



NOTES:

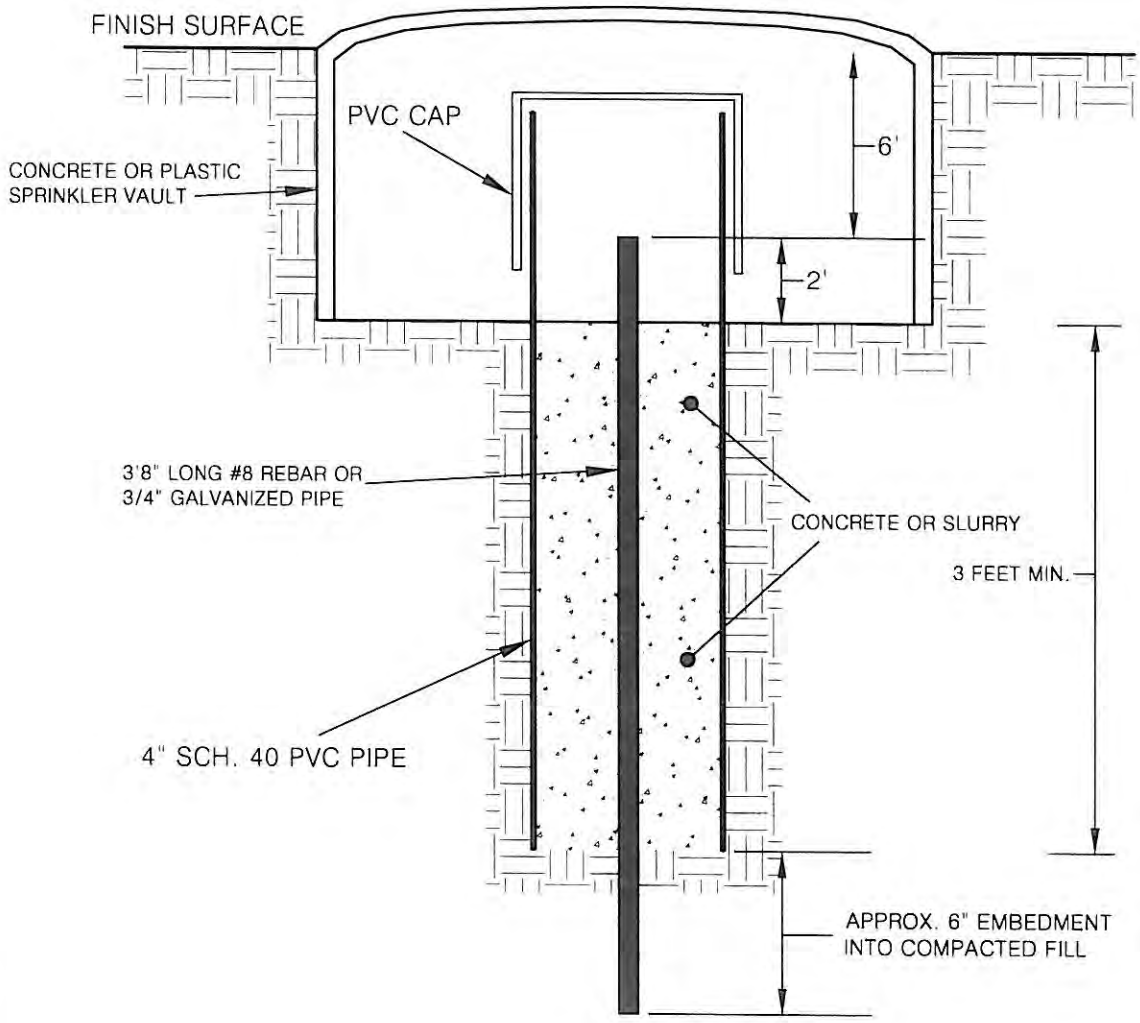
1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

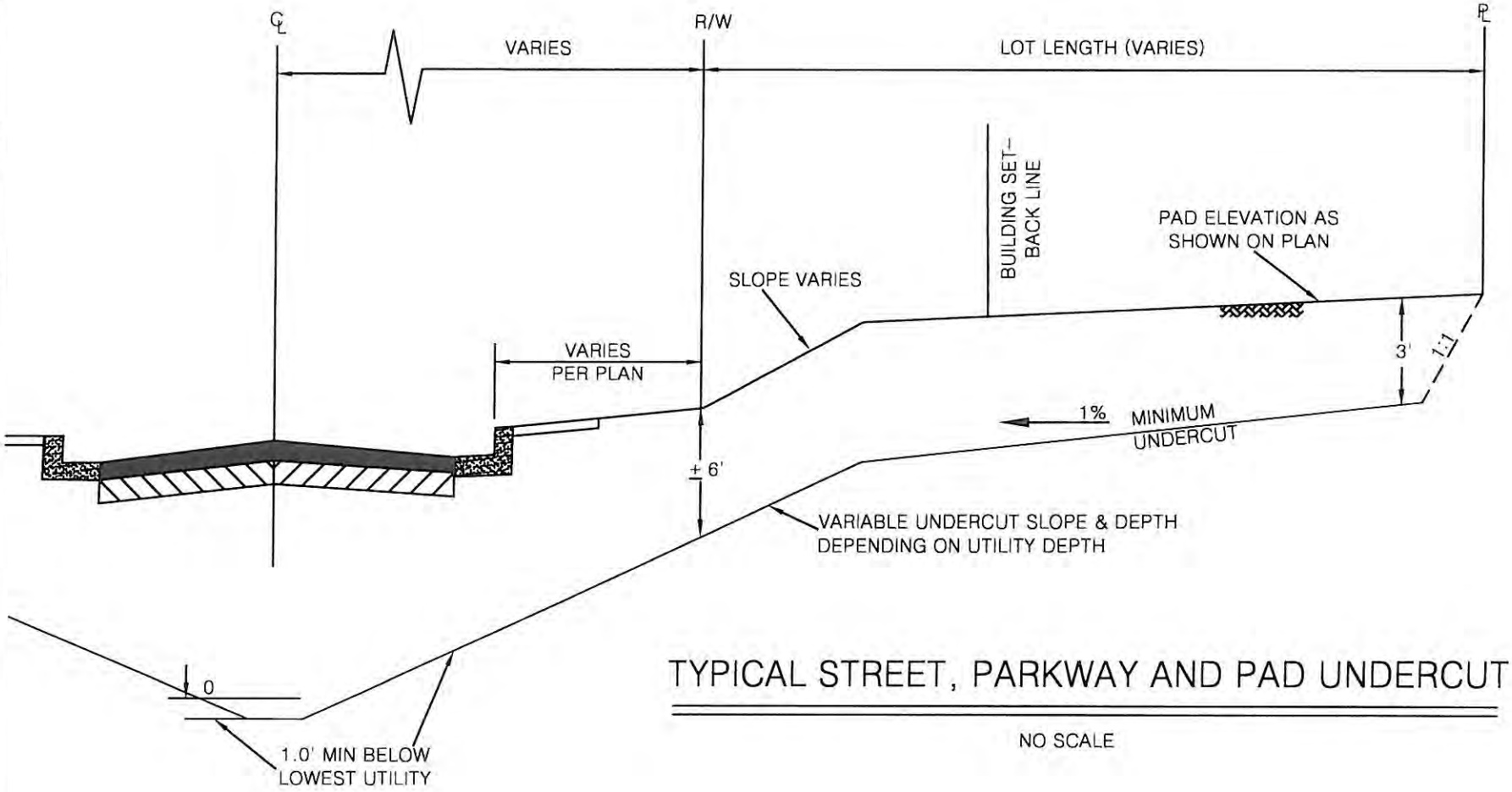
2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL





TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

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VER. 3/13

PLATE G-19

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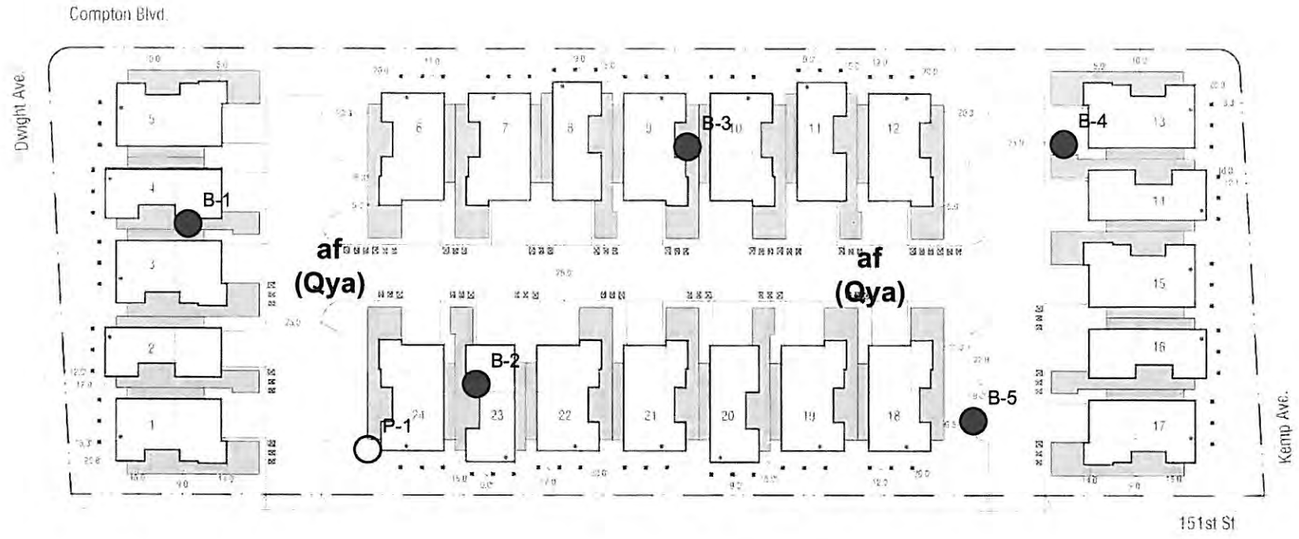

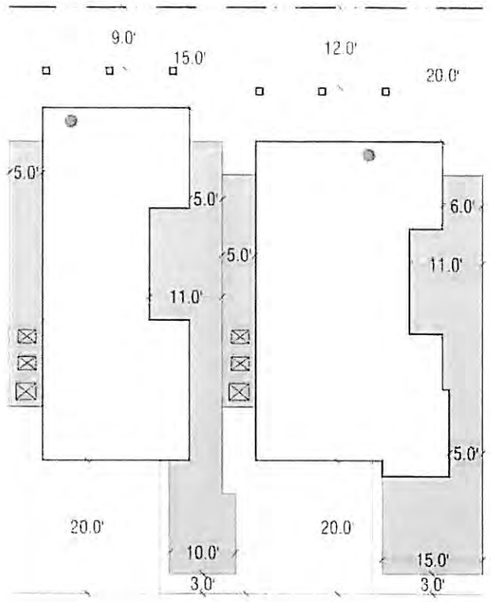

25.0'

Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan:	Medium Density Residential
Proposed General Plan:	Medium Density Residential
Existing Zoning:	CL - Limited Commercial & P - Parking
Proposed Zoning:	R-M-D - Medium Density Residential - Planned Development
Max. Density:	17.14 Homes per Acre (2,500 sf/home)
Proposed Setbacks:	Compton Blvd: 15' to building 9' to covered porch
	Dwight Ave: 15' to building 12' to covered porch
	Kemp Ave: 15' to building 12' to covered porch
	151st St: 14' to single story element (building 1 & 17) 15' to front of building 9' to covered porch
Building Separation:	10'
Max. Building Height:	35'

LEGEND

af	ARTIFICIAL FILL
Qya	YOUNG QUATERNARY ALLUVIUM (BRACKETED WHERE BURIED)
B-3	APPROXIMATE LOCATION OF HOLLOW STEM AUGER BORING
P-1	APPROXIMATE LOCATION OF INFILTRATION TEST

Notes:

PLATE 1

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0285 DATE: May 6, 2019

CONCEPTUAL SITE PLAN

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

0 15 30 60

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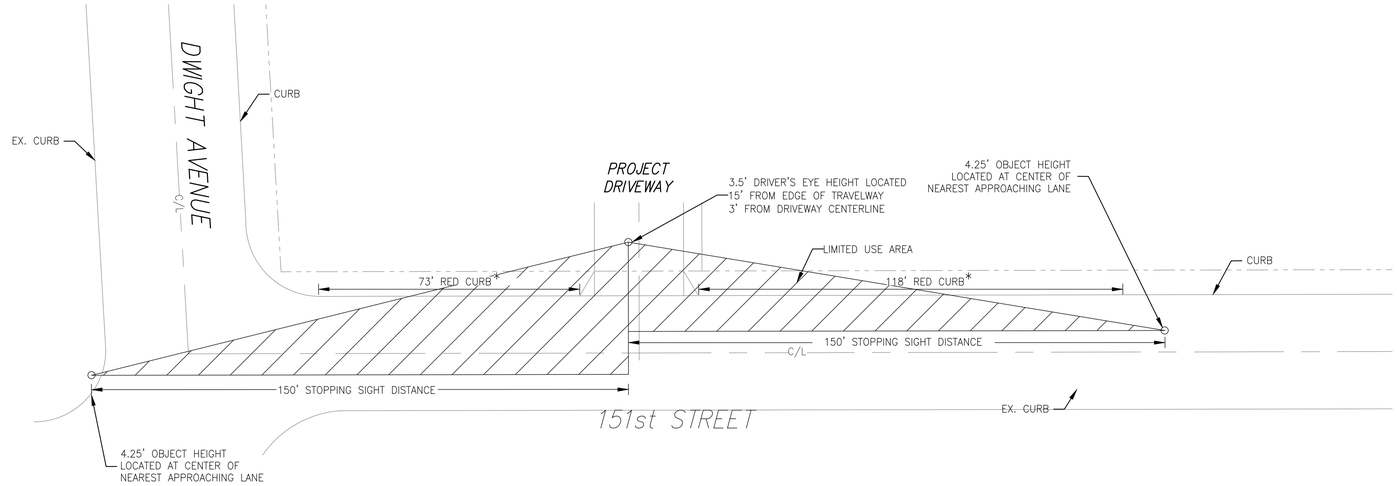

151st STREET IS A LOCAL ROAD WITH A PRIMA FACIA SPEED LIMIT OF 25 MPH. TABLE 201.1 OF THE HDM, RECOMMENDS 150-FEET OF STOPPING SIGHT DISTANCE.

* NOTE: SECTION 405.1 OF THE HDM RECOMMENDS PARKING RESTRICTIONS ON URBAN DRIVEWAYS BE SET PER CA MUTCD SECTION 3B.19. SECTION 3B.19 RECOMMENDS A CLEARANCE OF **6-FEET** MEASURED FROM CURB RETURN SHOULD BE PROVIDED AT BOTH SIDES OF A DRIVEWAY.

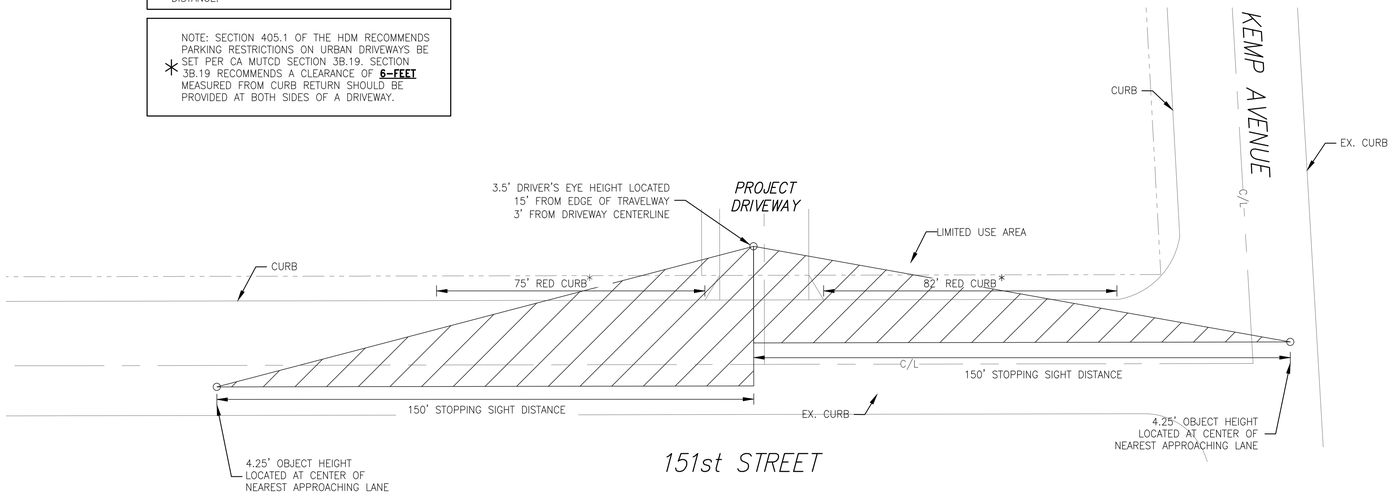

EXHIBIT 9: SIGHT DISTANCE ANALYSIS
CVR-19-001 COMPTON & KEMP TRAFFIC IMPACT ANALYSIS
Date: 09/30/21

SCALE: 1" = 20'
10 0 10 20 30

Compton Residential Development

Air Quality and Greenhouse Gas Impact Study

City of Compton, CA

Prepared for:

Ms. Kim Prijatel
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92555

Prepared by:

MD Acoustics, LLC
Mike Dickerson, INCE
1197 Los Angeles Ave, Ste C-256
Simi Valley, CA 93065

Date: 4/14/2021

MD ACOUSTICS
Sound Solutions for Planning and Design

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GLOSSARY OF TERMS

AQMP	Air Quality Management Plan
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
LST	Localized Significant Thresholds
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This air quality and greenhouse gas (GHG) analysis was prepared to evaluate whether the estimated criteria pollutants and GHG emissions generated from the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The project site is located at 930 W. Compton Boulevard in Compton, California, as shown in Exhibit A. The site is currently zoned as Limited Commercial (CL) and Parking (P) and classified as Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a Change of Zone to General Commercial – Limited Commercial and Planned Development (C-L-D).The proposed use is multi-family residential at approximately 24.5 dwelling units per acre. Land uses surrounding the site include single-family residential uses to the south (across 151st Street), single-family residential uses and commercial uses to the west (across Dwight Avenue), mixed-use commercial and residential uses to the north (across Compton Boulevard), and multi-family residential uses to the east (across Kemp Avenue).

1.2.2 Project Description

The Project proposes the development of the approximately 2.45-acre site with 60 single-family (attached) townhomes. Exhibit B demonstrates the site plan for the project.

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Table 1 summarizes the land use description for the Project Site.

Table 1: Land Use Summary

Land Use	Unit Amount	Size Metric
Apartments Low Rise	60	Dwelling Units
Other Asphalt Surfaces (On-Site Roadways & Guest Parking)	0.61	Acres
Other Non-Asphalt Surfaces (Landscaping & Hardscape)	0.61	Acres
Notes:		

[1] The Traffic & Parking Analysis for the Compton & Kemp Residential Project (TJW Engineering, Inc., March 3, 2021) utilized land use code Multi-Family Housing (Low-Rise) ITE 220. Therefore, the project was modeled with the closest land use code available in CalEEMod, Apartments Low Rise (ITE 221).

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are multiple-family residential land uses located approximately 35 feet southeast and 50 foot east of the project site (across Kemp Avenue). In addition, single-family residential land uses are located approximately 50 feet south of the project site (across 151st Street), 50 feet west of the project site (across Dwight Avenue), and 165 feet north of the project site.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

Construction-Source Emissions
Project construction-source emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

Project construction-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). As discussed herein, the project will comply with all applicable SCAQMD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

Operational-Source Emissions
The project operational-sourced emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the Operations-Related Local Air Quality Impacts section of this report. Additionally, project-related traffic will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots). Project operational-

source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

Project operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project's emissions meet SCAQMD regional thresholds and will not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant.

Project-related GHG emissions meet the SCAQMD draft threshold and are also considered to be less than significant. The project also complies with the goals of the CARB Scoping Plan, AB-32, and SB-32.

Mitigation Measures

A. Construction Measures

Adherence to SCAQMD Rule 403 is required.

No construction mitigation required.

B. Operational Measures

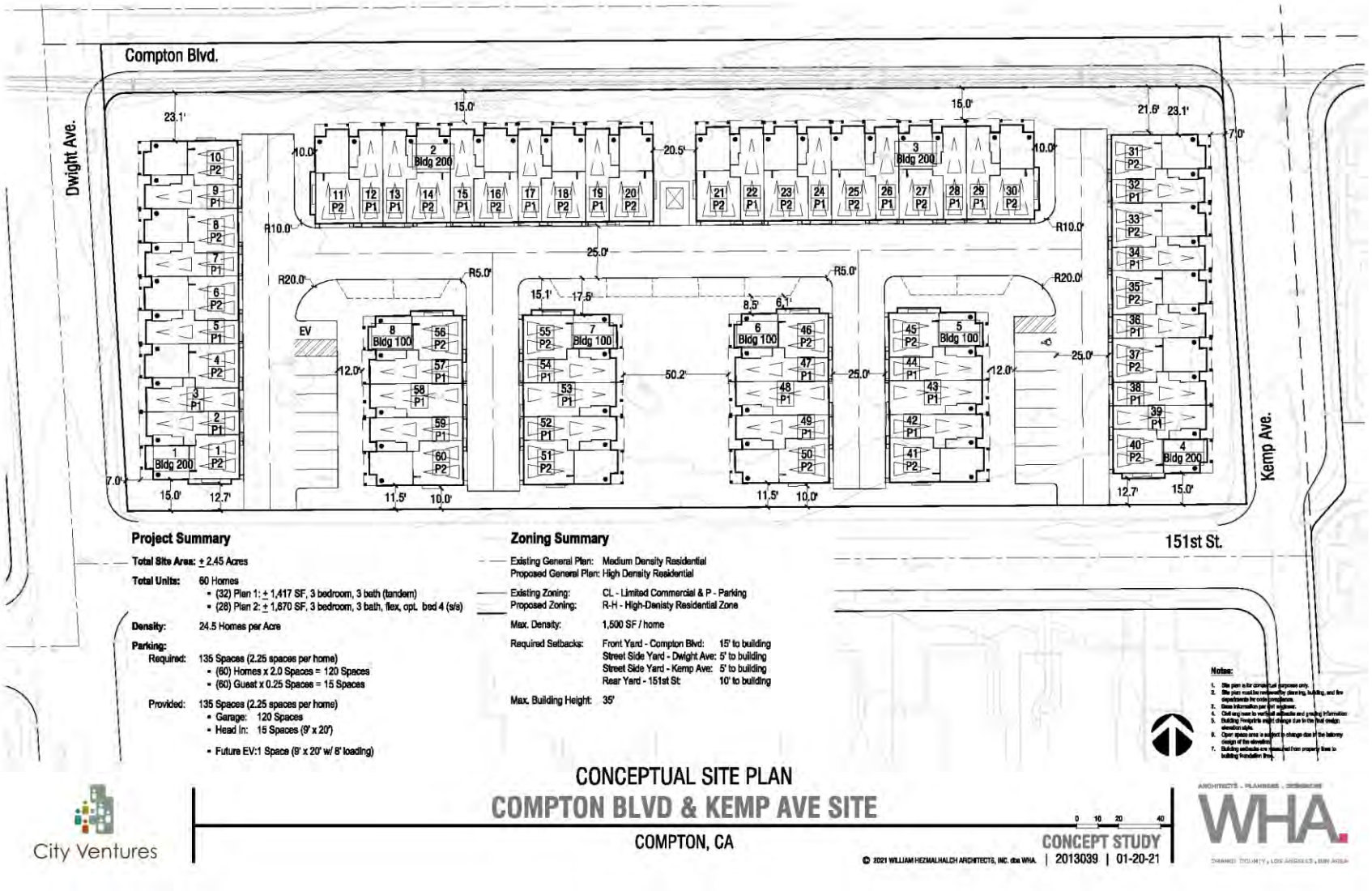
No operational mitigation required.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Regulatory Framework and Background

2.1 Air Quality Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The South Coast Air Quality Management District (SCAQMD) regulates at the air basin level.

2.1.1 National and State

The EPA is responsible for global, international, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Air Quality Standards, also known as federal standards. There are six common air pollutants, called criteria pollutants, which were identified from the provisions of the Clean Air Act of 1970.

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Particulate Matter
- Sulfur Dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to project the public health.

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. See http://www.arb.ca.gov/research/aaqs/aaqs.htm for additional information on criteria pollutants and air quality standards.

The federal and state ambient air quality standards are summarized in Table 2 and can also be found at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentrations[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O3)	1-Hour	0.09 ppm	Ultraviolet Photometry	- -	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm		0.070 ppm (147 µg/m³)		
Respirable Particulate Matter (PM10)[8]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µ/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		- -		
Fine Particulate Matter (PM2.5)[8]	24-Hour	- -	- -	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 µg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 µg/m³)	- -	Non-Dispersive Infrared Photometry (NDIR)
	8-Hour	9.0 ppm (10 µg/m³)		9 ppm (10 µg/m³)	- -	
	8-Hour (Lake Tahoe)	6 ppm (7 µg/m³)		- -	- -	
Nitrogen Dioxide (NO_2)[9]	1-Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	- -	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (357 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1-Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	- -	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	- -		- -	0.5 ppm (1300 mg/m³)	
	24-Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[10]	- -	
	Annual Arithmetic Mean	- -		0.130ppm (for certain areas)[10]	- -	
Lead[11,12]	30 Day Average	1.5 µg/m³	Atomic Absorption	- -		
	Calendar Qrtr	- -		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	- -		0.15 µg/m³		
Visibility Reducing Particles[13]	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Notes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

10. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Several pollutants listed in Table 2 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

2.1.2 South Coast Air Quality Management District

The agency for air pollution control for the South Coast Air Basin (basin) is the South Coast Air Quality Management District (SCAQMD). SCAQMD is responsible for controlling emissions primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the basin. SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the basin. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

Every three (3) years the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon.

On March 23, 2017 CARB approved the 2016 AQMP. The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air. The Plan was approved by the EPA on June 15, 2017.

The 2016 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on time. As with every AQMP, a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures is updated with the latest data and methods. The most significant air quality challenge in the Basin is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. The primary goal of this Air Quality Management Plan is to meet clean air standards and protect public health, including ensuring benefits to environmental justice and disadvantaged communities. The Plan was approved by the EPA on June 15, 2017

The 2012 AQMP built upon the approaches taken in the 2007 AQMP for the attainment of federal PM and ozone standards, and highlights the significant amount of reductions needed and the need to engage in interagency coordinated planning of mobile sources to meet all of the federal criteria pollutant standards. Compared with the 2007 AQMP, the 2012 AQMP utilized revised emissions inventory projections that use 2008 as the base year. On-road emissions are calculated using CARB EMFAC2011 emission factors and the transportation activity data provided by SCAG from their 2012 Regional Transportation Plan (2012 RTP). Off-road emissions were updated using CARB's 2011 In-Use Off-Road Fleet Inventory Model. Since the 2007 AQMP was finalized new area source categories such as liquid propane gas (LPG) transmission losses, storage tank and pipeline cleaning and degassing, and architectural colorants, were created and included in the emissions inventories. The 2012 AQMP also includes analysis of several additional sources of GHG emissions such as landfills and could also assist in reaching the GHG target goals in the AB32 Scoping Plan.

South Coast Air Quality Management District Rules

The AQMP for the basin establishes a program of rules and regulations administered by SCAQMD to obtain attainment of the state and federal standards. Some of the rules and regulations that apply to this Project include, but are not limited to, the following:

SCAQMD Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable suppression techniques are indicated below and include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas in active for 10 days or more).
- Water active sites at least three times daily.
- Cover all trucks hauling dirt, san, soil, or other loose materials, or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code (CVC) section 23114.
- Pave construction access roads at least 100 feet onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep on-site and off-iste streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets.

SCAQMD Rule 1113 governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of project must comply with Rule 1113.

Idling Diesel Vehicle Trucks – Idling for more than 5 minutes in any one location is prohibited within California borders.

Rule 2702. The SCAQMD adopted Rule 2702 on February 6, 2009, which establishes a voluntary air quality investment program from which SCAQMD can collect funds from parties that desire certified GHG emission reductions, pool those funds, and use them to purchase or fund GHG emission reduction projects within two years, unless extended by the Governing Board. Priority will be given to projects that result in co-benefit emission reductions of GHG emissions and criteria or toxic air pollutants within environmental justice areas. Further, this voluntary program may compete with the cap-and-trade program identified for implementation in CARB's Scoping Plan, or a Federal cap and trade program.

2.2 Greenhouse Gas Regulatory Setting

2.2.1 International

Many countries around the globe have made an effort to reduce GHGs since climate change is a global issue.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations. The United States participates in the United Nations Framework Convention on Climate Change (UNFCCC) (signed on March 21, 1994). Under the Convention, governments gather and share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

The 2014 UN Climate Change Conference in Lima Peru provided a unique opportunity to engage all countries to assess how developed countries are implementing actions to reduce emissions.

Kyoto Protocol. The Kyoto Protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. It has been estimated that if the commitments outlined in the Kyoto Protocol are met, global GHG emissions could be reduced by an estimated 5 percent from 1990 levels during the first commitment period of 2008 – 2012 (UNFCCC 1997). On December 8, 2012, the Doha Amendment to the Kyoto Protocol was adopted. The amendment includes: New commitments for Annex I Parties to the Kyoto Protocol who agreed to take on commitments in a second commitment period from 2013 – 2020; a revised list of greenhouse gases (GHG) to be reported on by Parties in the second commitment period; and Amendments to several articles of the Kyoto Protocol which specifically referenced issues pertaining to the first commitment period and which needed to be updated for the second commitment period.

2.2.2 National

Greenhouse Gas Endangerment. On December 2, 2009, the EPA announced that GHGs threaten the public health and welfare of the American people. The EPA also states that GHG emissions from on-road vehicles contribute to that threat. The decision was based on *Massachusetts v. EPA* (Supreme Court Case 05-1120) which argued that GHGs are air pollutants covered by the Clean Air Act and that the EPA has authority to regulate those emissions.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's

National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The second phase of the national program would involve proposing new fuel economy and greenhouse gas standards for model years 2017 – 2025 by September 1, 2011.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Mandatory Reporting of Greenhouse Gases. On January 1, 2010, the EPA started requiring large emitters of heat-trapping emissions to begin collecting GHG data under a new reporting system. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA.

Climate Adaption Plan. The EPA Plan identifies priority actions the Agency will take to incorporate considerations of climate change into its programs, policies, rules and operations to ensure they are effective under future climatic conditions. The following link provides more information on the EPA Plan: https://www.epa.gov/arc-x/planning-climate-change-adaptation

2.2.3 California

California Code of Regulations (CCR) Title 24, Part 6. CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by

fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 and 2016 standards have been approved and became effective July 1, 2014 and January 1, 2016, respectively.

California Code of Regulations (CCR) Title 24, Part 11. All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions. The following links provide more information on Title 24, Part 11:
https://www.dgs.ca.gov/BSC/Codes

https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle, during the 2016 to 2017 fiscal year. During the 2019-2020 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle.

The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The 2019 CalGreen Code includes the following changes and/or additional regulations:

Single-family homes built with the 2019 standards will use about 7 percent less energy due to energy efficiency measures versus those built under the 2016 standards. Once rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy

than those under the 2016 standards. Nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades[1].

HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the post-construction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require post-construction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of post-construction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regards to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regards to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. Some updates were also made in regards to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regards to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many

[1] https://ww2.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf

jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official. The following link provides more on CalGreen Building Standards:
http://www.bsc.ca.gov/Home/CALGreen.aspx

Executive Order S-3-05. California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following targets:

- By 2010, California shall reduce greenhouse gas emissions to 2000 levels;
- By 2020, California shall reduce greenhouse gas emissions to 1990 levels.
- By 2050, California shall reduce greenhouse gas emissions to 80 percent below 1990 levels.

The executive order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

Executive Order S-01-07. Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or

blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

SB 97. Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Resource Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance are provided and no specific mitigation measures are identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project's energy use and energy efficiency potential.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year

2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent (MMTCO2e) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO2e. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 MMTCO2e.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 MMTCO2e by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 (California Air Resources Board 2008). The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, Including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and

- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[4]

Senate Bill 100. Senate Bill 100 (SB 100) requires 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045. SB 100 was adopted September 2018.

The interim thresholds from prior Senate Bills and Executive Orders would also remain in effect. These include Senate Bill 1078 (SB 1078), which requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. Senate Bill 107 (SB 107) which changed the target date to 2010. Executive Order S-14-08, which was signed on November 2008 and expanded the State's Renewable Energy Standard to 33 percent renewable energy by 2020. Executive Order S-21-09 directed the CARB to adopt regulations by July 31, 2010 to enforce S-14-08. Senate Bill X1-2 codifies the 33 percent renewable energy requirement by 2020.

SB 375. Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG), which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 13 percent below 2005 per capita GHG emissions levels by 2035. On April 4, 2012, SCAG adopted the 2012-2035 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), which meets the CARB emission reduction requirements. The Housing Element Update is required by the State to be completed within 18 months after RTP/SCS adoption or by October 2013.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Assembly Bill 939 and Senate Bill 1374. Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resource Agency 2009) was adopted, which is the "… first statewide, multi-sector, region-specific, and information-based climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15. Executive Order B-30-15, establishing a new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030, was signed by Governor Brown in April 2015.

Executive Order B-29-15. Executive Order B-29-15, mandates a statewide 25% reduction in potable water usage and was signed into law on April 1, 2015.

Executive Order B-37-16. Executive Order B-37-16, continuing the State's adopted water reduction, was signed into law on May 9, 2016. The water reduction builds off the mandatory 25% reduction called for in EO B-29-15.

2.2.4 South Coast Air Quality Management District

The Project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions

in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

SCAQMD Threshold Development

The SCAQMD has established recommended significance thresholds for greenhouse gases for local lead agency consideration ("SCAQMD draft local agency threshold"). SCAQMD has published a five-tiered draft GHG threshold which includes a 10,000 metric ton of CO_2e per year for stationary/industrial sources and 3,000 metric tons of CO_2e per year significance threshold for residential/commercial projects (South Coast Air Quality Management District 2010c). Tier 3 is anticipated to be the primary tier by which the SCAQMD will determine significance for projects. The Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90-precent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to CEQA analysis. The 90-percent capture rate GHG significance screening level in Tier 3 for stationary sources was derived using the SCAQMD's annual Emissions Reporting Program.

The current draft thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent. A project's construction emissions are averaged over 30 years and are added to a project's operational emissions. If a project's emissions are under one of the following screening thresholds, then the project is less than significant:
  - All land use types: 3,000 MTCO2e per year
  - Based on land use types: residential is 3,500 MTCO2e per year; commercial is 1,400 MTCO2e per year; and mixed use is 3,000 MTCO2e per year
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual by a certain percentage; this percentage is currently undefined
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: Year 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO2e/SP/year for projects and 6.6 MTCO2e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO2e/SP/year for projects and 4.1 MTCO2e/SP/year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

2.2.5 City of Compton

City of Compton General Plan

Local jurisdictions, such as the City of Compton, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the 2016 AQMP. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In accordance with the CEQA requirements, the City does not, however, have the expertise to develop plans, programs, procedures, and methodologies to ensure that air quality within the City and region will meet federal and state standards. Instead, the City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

The Draft Compton General Plan 2030 Air Quality Element, contains the following air quality-related goals and policies that are applicable to the proposed project:

Goal 1 Reduce automobile use.

Policies

1.2 The City of Compton will implement programs that reduce automobile use by City residents.

1.4 The City of Compton will increase ridership on the local transit system by making it more user-friendly by providing safe, attractive places to wait that include route maps.

Goal 2 Reduce peak-hour roadway congestion.

Goal 3 Reduce emissions associated with vehicle miles traveled by providing a balance of jobs and housing.

Goal 4 Reduce emissions associated with energy consumption.

Policies

4.2 The City of Compton will encourage incorporation of energy features, including passive solar, in the construction and rehabilitation of new and existing structures.

4.3 The City of Compton will support recycling programs which reduce emissions associated with manufacturing and waste disposal.

Goal 5 Reduce air pollution emissions and impacts through site planning and building design.

Policies

5.1 The City of Compton will support the use of low polluting construction materials and coatings.

5.2 The City of Compton will provide, to the maximum extent feasible, for the separation of sensitive receptors, such as schools and hospitals, from sources of toxic emissions.

5.4 The City of Compton will standardize air quality review procedures for all new developments.

5.5 The City of Compton will reduce the exposure of sensitive receptors to dust and odors to the maximum extent feasible.

City of Compton Climate Action Plan

The City of Compton does not currently have a Climate Action Plan.

Therefore, to determine whether the project's GHG emissions are significant, this analysis uses the SCAQMD draft local agency tier 3 screening threshold of 3,000 MTCO2e per year for all land use types.

The project will be subject to the latest requirements of the California Green Building and Title 24 Energy Efficiency Standards (currently 2019) which would reduce project-related greenhouse gas emissions.

3.0 Setting

3.1 Existing Physical Setting

The project site is located in the City of Compton, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

3.1.1 Local Climate and Meteorology

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas where the project site is located. The majority of the annual rainfall in the basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thunderstorms in the coastal regions and slightly heavier showers in the eastern portion of the basin along the coastal side of the mountains. Year-to-year patterns in rainfall are unpredictable because of fluctuations in the weather.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers are often periods of hazy visibility and occasionally unhealthful air. Strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high

enough to pass over the mountains and ultimately dilute the smog cloudtrap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for the City of Torrance, closest monitoring station to the project site, are in Table 3. Table 3 shows that August is typically the warmest month and January and December are typically the coolest months. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table 3: Meteorological Summary

Month	Temperature (˚F)		Average Precipitation (inches)
	Average High	Average Low	
January	66.5	46.2	3.19
February	66.8	47.7	3.68
March	68.1	49.4	2.33
April	70.6	51.5	0.82
May	72.3	55.1	0.26
June	74.6	58.0	0.07
July	77.8	61.3	0.05
August	78.8	61.9	0.03
September	78.1	60.5	0.16
October	75.4	56.5	0.62
November	68.4	48.9	1.16
December	66.8	46.3	2.29
Annual Average	**72.2**	**53.8**	**14.6**

Notes:
[1] Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8973

3.1.2 Local Air Quality

The SCAQMD has divided the South Coast Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located in Compton however ambient air quality data was utilized from both Compton and Long Beach (Areas 12 and 4) monitoring stations. The nearest air monitoring station to the project site is the Compton-700 North

Bullis Road Station (Compton Station). The Compton Station is located approximately 1.97 miles northeast of the project site, however this location does not provide all ambient weather data. The next nearest monitoring station to the project site is the Long Beach-2425 Webster Street Station (Long Beach Station). The Long Beach Station is located approximately 6.56 miles southeast of the project site. The Long Beach Station was used to provide the existing PM2.5 levels. Additional data was also pulled from the SCAQMD historical data for the South Central LA County (Area 12) for both sulfur dioxide and carbon monoxide to provide the existing levels. Table 4 presents the monitored pollutant levels within the vicinity. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

Table 4: Local Area Air Quality Levels from the Compton/Long Beach Monitoring Stations

Pollutant (Standard)[2]	Year		
	2017	**2018**	**2019**
Ozone:			
Maximum 1-Hour Concentration (ppm)	0.092	0.075	0.100
Days > CAAQS (0.09 ppm)	0	0	**1**
Maximum 8-Hour Concentration (ppm)	0.076	0.064	0.079
Days > NAAQS (0.07 ppm)	**5**	0	**1**
Days > CAAQS (0.070 ppm)	**5**	0	**1**
Carbon Monoxide:			
Maximum 1-Hour Concentration (ppm)	6.1	4.7	3.8
Days > NAAQS (20 ppm)	0	0	0
Maximum 8-Hour Concentration (ppm)	4.60	3.50	3.2
Days > NAAQS (9 ppm)	0	0	0
Nitrogen Dioxide:			
Maximum 1-Hour Concentration (ppm)	0.099	0.068	0.070
Days > NAAQS (0.25 ppm)	0	0	0
Sulfur Dioxide:			
Maximum 24-Hour Concentration (ppm)	--[3]	--[3]	--[3]
Days > CAAQS (0.04 ppm)	0	0	0
Inhalable Particulates (PM10):			
Maximum 24-Hour Concentration (ug/m^3)	79.0	84.0	155.8
Days > NAAQS (150 ug/m^3)	0	0	0
Days > CAAQS (50 ug/m^3)	**10**	**4**	**4**
Annual Average (ug/m^3)	33.5	32.7	29.7
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	**Yes**	**Yes**	**Yes**
Ultra-Fine Particulates (PM2.5):			
Maximum 24-Hour Concentration (ug/m^3)	66.7	49.4	39.5
Days > NAAQS (35 ug/m^3)	**5**	**2**	**1**
Annual Average (ug/m^3)	13.2	13.2	10.8
Annual > NAAQS (15 ug/m3)	No	No	No
Annual > CAAQS (12 ug/m^3)	**Yes**	**Yes**	No

[1] Source: obtained from https://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year and /or https://www.arb.ca.gov/adam/topfour/topfour1.php

[2] CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million

[3] No data available.

The monitoring data presented in Table 4 shows that ozone and particulate matter (PM10 and PM2.5) are the air pollutants of primary concern in the project area, which are detailed below.

Ozone
During the 2017 to 2019 monitoring period, the State 1-hour concentration standard for ozone has been exceeded for one day in 2019 at the Compton Station. Both the Federal and the State 8-hour ozone standard (0.07 ppm) have been exceeded between one and five days each year over the past three years at the Compton Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

Carbon Monoxide
CO is another important pollutant that is due mainly to motor vehicles. The South Central LA County Area did not record an exceedance of the state or federal 1-hour or 8-hour CO standards for the last three years.

Nitrogen Dioxide
The Compton Station did not record an exceedance of the State or Federal NO_2 standards for the last three years.

Sulfur Dioxide
The South Central LA County Area did not record an exceedance of the State SO_2 standards for the last three years.

Particulate Matter
During the 2017 to 2019 monitoring period, the State 24-hour concentration standard for PM10 was exceeded between four and ten days each year at the Long Beach Station. Over the same time period the Federal 24-hour and Federal annual standards for PM10 have not been exceeded at the Long Beach Station.

The Federal 24-hour standard for PM2.5 was exceeded between one and five days each year during the 2017 to 2019 monitoring period at the Compton Station.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may

experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

3.1.3 Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard. Table 5 lists the attainment status for the criteria pollutants in the basin.

Table 5: South Coast Air Basin Attainment Status

Pollutant	Averaging Time	National Standards[1]	Attainment Date[2]	California Standards[3]
1979 1-Hour Ozone[4]	1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 Originally 11/15/2010 (Not attained4)	Extreme Nonattainment
1997 8-Hour Ozone[5]	8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024	Nonattainment
2008 8-Hour Ozone	8-Hour (0.075 ppm)	Nonattainment (Extreme)	12/31/2032	
2015 8-Hour Ozone	8-Hour (0.070 ppm)	Designations Pending	~2037	
CO	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (Attained)	Maintenance
NO_2[6]	1-Hour (100 ppb) Annual (0.053 ppm)	Unclassifiable/Attainment Attainment (Maintenance)	N/A (Attained) 9/22/1998 (Attained)	Attainment
SO_2[7]	1-Hour (75 ppb)	Designations Pending (expect Uncl./Attainment)	N/A (Attained)	Attainment
	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (Attained)	

PM10	24-Hour (150 µg/m^3)	Nonattainment (Maintenance)8	7/26/2013 (Attained)8	Nonattainment
PM2.5	24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019	Unclassified
Lead	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)[9]	12/31/2015	Nonattainment (Partial)[9]

Notes:

[1] Obtained from http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassified/Attainment or Unclassifiable.

[2] A design value below the NAAQS for data through the full year or smog season prior to the attainment date is typically required for attainment demonstration.

[3] Obtained from http://www.arb.ca.gov/desig/adm/adm.htm.

[4] 1-hour O3 standard (0.12 ppm) was revoked, effective June 15, 2005 ; however, the Basin has not attained this standard based on 2008-2010 data and is still subject to anti-backsliding requirements.

[5] 1997 8-hour O_3 standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the 1997 O3 standard and most related implementation rules remain in place until the 1997 standard is revoked by U.S. EPA.

[6] New NO_2 1-hour standard, effective August 2, 2010; attainment designations June, 2013; annual NO_2 standard retained.

[7] The 1971 annual and 24-hour SO_2 standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO_2 1-hour standard. Area designations expected in 2012, with SSAB designated Unclassifiable/Attainment.

[8] Annual PM10 standard was revoked, effective December 18, 2006; 24-hour PM10 NAAQS deadline was 12/31/2006; SCAQMD request for attainment re-designation and PM10 maintenance plan was approved by U.S. EPA on June 26, 2013, effective July 26, 2013.

[9] Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors. Expect redesignation to attainment based on current monitoring data.

3.2 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and nitrous oxide (NO_2) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. Table 6 provides a description of each of the greenhouse gases and their global warming potential.

Additional information is available: https://www.arb.ca.gov/cc/inventory/data/data.htm

<Table 6 on next page>

Table 6: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (N_20),also known as laughing gas is a colorless gas. It has a lifetime of 114 years. Its global warming potential is 298.	Microbial processes in soil and water, fuel combustion, and industrial processes. In addition to agricultural sources, some industrial processes (nylon production, nitric acid production) also emit N_20.
Methane	Methane (CH_4) is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 25.	A natural source of CH_4 is from the decay of organic matter. Methane is extracted from geological deposits (natural gas fields). Other sources are from the decay of organic material in landfills, fermentation of manure, and cattle farming.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chlorofluorocarbons	CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). They are gases formed synthetically by replacing all hydrogen atoms in methane or methane with chlorine and/or fluorine atoms. Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone, therefore their production was stopped as required by the Montreal Protocol.
Hydrofluorocarbons	Hydrofluorocarbons (HFCs) are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons (PFCs) have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above the Earth's surface. They have a lifetime 10,000 to 50,000 years. They have a global warming potential range of 6,200 to 9,500.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Notes:

1. Sources: Intergovernmental Panel on Climate Change 2014a and Intergovernmental Panel on Climate Change 2014b. https://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html

4.0 Modeling Parameters and Assumptions

4.1 Construction

Typical emission rates from construction activities were obtained from CalEEMod Version 2016.3.2 CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2014 computer program to calculate the emission rates specific for the southern portion of Los Angeles County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2014 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of the proposed project as indicated in Table 1. Construction is anticipated to begin early 2022 and be completed by late 2023; therefore, construction was estimated to start no sooner than January 2022 and end by mid-December 2023. The phases of the construction activities which have been analyzed below are: 1) grading, 2) building, 3) paving, and 4) architectural coating. For details on construction modeling and construction equipment for each phase, please see Appendix A.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent, stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the Project area (approximately 2.45 acres) and the fact that the project won't export more than 5,000 cubic yards of material a day a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD's Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth moving operations would occur. Compliance with Rule 403 is required.

4.2 Operations

Operational or long-term emissions occur over the life of the Project. Both mobile and area sources generate operational emissions. Area source emissions arise from consumer product usage, heaters that consume natural gas, gasoline-powered landscape equipment, and architectural coatings (painting). Mobile source emissions from motor vehicles are the largest single long-term source of air pollutants from the operation of the Project. Small amounts of emissions would also occur from area sources such as the consumption of natural gas for heating, hearths, from landscaping emissions, and consumer product usage. The operational emissions were estimated using the latest version of CalEEMod.

Mobile Sources
Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project are based upon the trip generation rates given in the project-specific traffic and parking analysis (TJW Engineering, Inc.) which uses the ITE 10th Trip Generation Manual. The traffic and parking analysis shows a trip generation rate of 7.32 trips per dwelling unit.

The program then applies the emission factors for each trip which is provided by the EMFAC2014 model to determine the vehicular traffic pollutant emissions. The CalEEMod default trip lengths were used in this analysis. Please see CalEEMod output comments sections in Appendix A and B for details.

Area Sources
Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less and the CalEEMod model default was utilized.

Energy Usage
2016.3.2 CalEEMod defaults were utilized.

4.3 Localized Construction Analysis

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (South Coast Air Quality Management District 2011b). CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. In order to compare CalEEMod reported emissions against the localized significance threshold lookup tables, the CEQA document should contain in its project design features or its mitigation measures the following parameters:

1. The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions.
2. The maximum number of acres disturbed on the peak day.
3. Any emission control devices added onto off-road equipment.
4. Specific dust suppression techniques used on the day of construction activity with maximum emissions.

The construction equipment showing the equipment associated with the maximum area of disturbance is shown in Table 7.

Table 7: Maximum Number of Acres Disturbed Per Day[1]

Activity	Equipment	Number	Acres/8hr-day	Total Acres
	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Tractors/Loaders/Backhoes	2	0.5	1
Total Per Phase				2.0

Notes:
[1.] Source: CalEEMod output and South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2

As shown in Table 7, the maximum number of acres disturbed in a day would be 2 acres.

The local air quality emissions from construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet). According to LST methodology, any receptor located closer than 25 meters should be based on the 25 meter threshold. The closest receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site.

4.4 Localized Operational Analysis

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

5.0 Thresholds of Significance

5.1 Air Quality Thresholds of Significance

5.1.1 CEQA Guidelines for Air Quality

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard;

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. There are daily emission thresholds for construction and operation of a proposed project in the basin.

5.1.2 Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Projects in the basin with construction-related emissions that exceed any of the emission thresholds are considered to be significant under SCAQMD guidelines.

5.1.3 Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Local Microscale Concentration Standards The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet), for construction.

5.2 Greenhouse Gas Thresholds of Significance

5.2.1 CEQA Guidelines for Greenhouse Gas

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

However, despite this, currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency. As previously discussed (Section 2.2.4 of this report), SCAQMD has drafted interim thresholds. The screening threshold of 3,000 MTCO2e per year for all land uses was used in this analysis.

6.0 Air Quality Emissions Impact

6.1 Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the project by default is required to incorporate these rules during construction.

6.1.1 Regional Construction Emissions

The construction emissions for the project would not exceed the SCAQMD's daily emission thresholds at the regional level as demonstrated in Table 8, and therefore would be considered less than significant.

Table 8: Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Grading						
On-Site[2]	1.54	16.98	9.22	0.02	3.30	2.00
Off-Site[3]	0.04	0.03	0.37	0.00	0.11	0.03
Total	**1.59**	**17.01**	**9.59**	**0.02**	**3.41**	**2.03**
Building Construction						
On-Site[2]	1.86	14.60	14.35	0.03	0.70	0.67
Off-Site[3]	0.34	1.58	2.81	0.01	0.84	0.23
Total	**2.20**	**16.18**	**17.17**	**0.04**	**1.54**	**0.90**
Paving						
On-Site[2]	0.96	8.61	11.68	0.02	0.43	0.40
Off-Site[3]	0.06	0.04	0.51	0.00	0.17	0.05
Total	**1.02**	**8.65**	**12.20**	**0.02**	**0.60**	**0.45**
Architectural Coating						
On-Site[2]	29.75	1.30	1.81	0.00	0.07	0.07
Off-Site[3]	0.05	0.03	0.44	0.00	0.15	0.04
Total	**29.80**	**1.34**	**2.26**	**0.00**	**0.22**	**0.11**
Total of overlapping phases[4]	**33.02**	**26.17**	**31.62**	**0.06**	**2.36**	**1.46**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.
[4] Construction, architectural coatings and paving phases may overlap.

6.1.2 Localized Construction Emissions

The data provided in Table 9 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Table 9: Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Grading	16.98	9.22	3.30	2.00
Building Construction	14.60	14.35	0.70	0.67
Paving	8.61	11.68	0.43	0.40
Architectural Coating	1.30	1.81	0.07	0.07
Total of overlapping phases	24.52	27.85	1.21	1.14
SCAQMD Threshold for 25 meters (82 feet) or less[2]	**65**	**346**	**7**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for two acres in South Central Los Angeles County Source Receptor Area (SRA 12). Project will disturb a maximum of 2 acres per day (see Table 7).
[2] The nearest sensitive receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site; however, according to LST methodology any receptor located closer than 25 meters should be based on the 25 meter threshold.

6.1.3 Odors

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected cease upon the drying or hardening of the odor producing materials. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the on-going operations of the proposed project would include odor emissions from trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 no significant impact related to odors would occur during the on-going operations of the proposed project.

6.1.4 Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment

(HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed project would not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project.

6.2 Operational Air Quality Emissions Impact

6.2.1 Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEEMod model. The operating emissions were based on year 2023, which is the anticipated opening year for the project. The summer and winter emissions created by the proposed project's long-term operations were calculated and the highest emissions from either summer or winter are summarized in Table 10.

Table 10: Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	2.26	0.95	5.33	0.01	0.10	0.10
Energy Usage[3]	0.03	0.25	0.11	0.00	0.02	0.02
Mobile Sources[4]	0.72	3.08	10.01	0.04	3.22	0.88
Total Emissions	**3.01**	**4.28**	**15.45**	**0.05**	**3.34**	**1.00**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

Table 10 provides the project's unmitigated operational emissions. Table 10 shows that the project does not exceed the SCAQMD daily emission threshold and regional operational emissions are considered to be less than significant.

6.2.2 Localized Operational Emissions

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential

to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

As stated previously, according to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

6.3 CO Hot Spot Emissions

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards which were presented in above in Section 5.0.

To determine if the proposed project could cause emission levels in excess of the CO standards discussed above in Section 5.0, a sensitivity analysis is typically conducted to determine the potential for CO "hot spots" at a number of intersections in the general project vicinity. Because of reduced speeds and vehicle queuing, "hot spots" potentially can occur at high traffic volume intersections with a Level of Service E or worse.

Micro-scale air quality emissions have traditionally been analyzed in environmental documents where the air basin was a non-attainment area for CO. However, the SCAQMD has demonstrated in the CO attainment redesignation request to EPA that there are no "hot spots" anywhere in the air basin, even at intersections with much higher volumes, much worse congestion, and much higher background CO levels than anywhere in Riverside County. If the worst-case intersections in the air basin have no "hot spot" potential, any local impacts will be below thresholds.

The project-specific traffic and parking analysis (TJW Engineering, Inc.) showed that the project would generate a maximum of approximately 439 vehicle trips per day. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. Therefore, as the project only includes a maximum of 439 daily vehicle trips, no CO "hot spot" modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

6.4 Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would

extend beyond any local projects and when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The project does not exceed any of the thresholds of significance and therefore is considered less than significant.

6.5 Air Quality Compliance

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD Air Quality Management Plan (AQMP). Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis contained in this Air Analysis, neither short-term construction impacts, nor long-term operations will result in significant impacts based on the SCAQMD regional and local thresholds of significance.

Therefore, the proposed project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2016, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the City of Compton Land Use Plan defines the assumptions that are represented in the AQMP.

The proposed project is currently zoned as Limited Commercial (CL) and Parking (P) and has a land use classification of Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a General Plan Amendment to General Commercial (GC) and a Change of Zone to Limited Commercial and Planned Development Zones (C-L-D). The project is proposing to develop the approximately 2.45-acre project site with 60 single-family (attached) townhomes at 24.5 dwelling units per acre. Therefore, the proposed project is not currently consistent with the existing land use designation and zoning.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and sub-regional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium- Density and High-Density Residential categories is also allowed in General Commercial. The High-Density Residential General Plan land use designation permits 17.1 to 34 dwelling unit per net acre; therefore, the as the project is proposing 24 dwelling units per acre it would be consistent with the proposed General Commercial land use designation.

Therefore, once the General Plan Amendment and Change of Zone is approved, the project would be consistent with the City's land use and zoning designations. Although the project may initially result in an inconsistency with the AQMP on paper, the inconsistency would not necessarily constitute a conflict with the AQMP. The SCAQMD acknowledges that strict consistency with all aspects of the AQMP is not required in order to make a finding of no conflict. Rather, a project is considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The project would implement contemporary energy-efficient technologies and regulatory/operational programs required per Title 24, CalGreen and City standards. Generally, compliance with SCAQMD emissions reductions and

control requirements also act to reduce project air pollutant emissions. Project compliance with regulatory/operational programs is consistent with and supports overarching AQMP air pollution reduction strategies. Project support of these strategies promotes timely attainment of AQMP air quality standards and would bring the project into conformance with the AQMP. Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

7.0 Greenhouse Gas Impact Analysis

7.1 Construction Greenhouse Gas Emissions Impact

The greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 11. The emissions are from all phases of construction. The total construction emissions amortized over a period of 30 years are estimated at 24.54 metric tons of CO_2e per year. Annual CalEEMod output calculations are provided in Appendix B.

Table 11: Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	Onsite	**Offsite**	**Total**
Grading	9.1	0.5	9.6
Building Construction[2]	480.0	225.7	705.7
Paving	15.6	1.4	17.0
Coating	2.6	1.2	3.8
Total	507.3	228.8	736.1
Averaged over 30 years[2]	17	8	24.54

Notes:
[1.] $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane and nitrous oxide).
[2.] The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.
* CalEEMod output (Appendix B)

7.2 Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The unmitigated operational emissions for the project are 833.41 metric tons of CO_2e per year as shown in Table 12. Therefore, the project's GHG emissions do not exceed the SCAQMD draft threshold of 3,000 metric tons CO2e per year for all land uses. Therefore, the proposed project's GHG emissions are considered to be less than significant.

<Table 12 next page>

Table 12: Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	13.98	13.98	0.00	0.00	14.08
Energy Usage[3]	0.00	133.38	133.38	0.00	0.00	133.98
Mobile Sources[4]	0.00	615.82	615.82	0.03	0.00	616.58
Solid Waste[5]	5.60	0.00	5.60	0.33	0.00	13.88
Water[6]	1.24	24.94	26.18	0.13	0.00	30.35
Construction[7]	0.00	24.45	24.45	0.00	0.00	24.54
Total Emissions	6.84	812.57	819.42	0.50	0.01	**833.41**
SCAQMD Draft Screening Threshold						**3,000**
Exceeds Threshold?						**No**

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consist of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30 year amortization rate.

7.3 Greenhouse Gas Plan Consistency

The proposed project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. As stated previously, the City of Compton does not currently have a Climate Action Plan; therefore, the project has been compared to the goals of the CARB Scoping Plan and the GHG emissions reduction goal of SB-32.

Scoping Plan

Emission reductions in California alone would not be able to stabilize the concentration of greenhouse gases in the earth's atmosphere. However, California's actions set an example and drive progress towards a reduction in greenhouse gases elsewhere. If other states and countries were to follow California's emission reduction targets, this could avoid medium or higher ranges of global temperature increases. Thus, severe consequences of climate change could also be avoided.

The ARB Board approved a Climate Change Scoping Plan in December 2008. The Scoping Plan outlines the State's strategy to achieve the 2020 greenhouse gas emissions limit. The Scoping Plan "proposes a comprehensive set of actions designed to reduce overall greenhouse gas emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (California Air Resources Board 2008). The measures in the Scoping Plan have been in place since 2012.

This Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of

14 tons of carbon dioxide for every man, woman and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This *Update* identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB release the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals, and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and Trade Program, which constrains and reduces emissions at covered sources.

As the latest, 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in Table 13. As shown in Table 13, the project is consistent with the applicable strategies and would result in a less than significant impact.

SB-32

SB-32 requires the state board to ensure that statewide greenhouse gas emissions are reduced to 40 percent below the 1990 level by 2030. SCAQMD's thresholds used Executive Order S-3-05 goal as the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

As the SCAQMD uses EO S-3-05 as the basis for their screening level, and EO S-3-05 includes the long-term goal to reduce greenhouse gas emissions to 80 percent below 1990 levels by 2050, the project would also be consistent with the goal of SB 32 (to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030). Therefore, projects that meet the current interim emissions targets/thresholds established by SCAQMD would also be on track to meet the reduction targets for 2030. Furthermore, all of the post 2020 reductions in GHG emissions are addressed via regulatory requirements at the State level and the project will be required to comply with these regulations as they come into effect.

Therefore, as the project's emissions do not exceed the SCAQMD draft GHG emissions threshold of 3,000 metric tons CO2e per year, the project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the project will comply with applicable Green Building Standards and City of Compton's policies regarding sustainability (as dictated by the City's General Plan).

<Table 13 next page>

Table 13: Project Consistency with CARB Scoping Plan Policies and Measures[1]

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	Consistent. The project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	Consistent. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.

Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Consistent. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Notes: 1. Source: CARB Scoping Plan (2008 and 2017)	

8.0 References

The following references were used in the preparing of this analysis.

California Air Resources Board

2008 Resolution 08-43

2008 Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2008 Climate Change Scoping Plan, a framework for change.

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

2013 Revised Emission Factors for Gasoline Marketing Operations at California Gasoline Dispensing Facilities

2014 First Update to the Climate Change Scoping Plan, Building on the Framework Pursuant to AB32, the California Global Warming Solutions Act of 2006. May.

2017 California's 2017 Climate Change Scoping Plan. November.

2021 Historical Air Quality, Top 4 Summary

City of Compton

2011 Draft City of Compton 2030 General Plan. January.

Governor's Office of Planning and Research

2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2009 CEQA Guideline Sections to be Added or Amended

2018 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

1993 CEQA Air Quality Handbook

2005 Rule 403 Fugitive Dust
2007 2007 Air Quality Management Plan

2008 Final Localized Significance Threshold Methodology, Revised

2011 Appendix A Calculation Details for CalEEMod

2012 Final 2012 Air Quality Management Plan

2016 Final 2016 Air Quality Management Plan

TJW Engineering, Inc.
2021 Traffic & Parking Analysis for the Compton & Kemp Residential Project, City of Compton, CA. March 3.

Appendix A:

CalEEMod Daily Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057
Total	**3.0117**	**4.2005**	**15.4450**	**0.0455**	**3.1914**	**0.1475**	**3.3389**	**0.8540**	**0.1456**	**0.9996**	**0.0000**	**5,331.8559**	**5,331.8559**	**0.2202**	**0.0268**	**5,345.3348**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Total	**2.8563**	**3.4330**	**11.3316**	**0.0284**	**1.6720**	**0.1355**	**1.8075**	**0.4474**	**0.1344**	**0.5818**	**0.0000**	**3,591.9605**	**3,591.9605**	**0.1441**	**0.0268**	**3,603.5366**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.16**	**18.27**	**26.63**	**37.63**	**47.61**	**8.15**	**45.87**	**47.61**	**7.69**	**41.80**	**0.00**	**32.63**	**32.63**	**34.57**	**0.00**	**32.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Unmitigated	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

01632102 Compton Residential Development

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590
Total	**2.9889**	**4.2783**	**14.8995**	**0.0437**	**3.1914**	**0.1476**	**3.3390**	**0.8540**	**0.1457**	**0.9997**	**0.0000**	**5,147.0312**	**5,147.0312**	**0.2193**	**0.0268**	**5,160.4881**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Total	**2.8373**	**3.4621**	**11.1737**	**0.0273**	**1.6720**	**0.1356**	**1.8076**	**0.4474**	**0.1345**	**0.5819**	**0.0000**	**3,485.7810**	**3,485.7810**	**0.1451**	**0.0268**	**3,497.3821**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.07**	**19.08**	**25.01**	**37.38**	**47.61**	**8.15**	**45.86**	**47.61**	**7.68**	**41.79**	**0.00**	**32.28**	**32.28**	**33.85**	**0.00**	**32.23**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Unmitigated	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B:

CalEEMod Annual Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1355	0.0925	0.2281	0.0444	0.0885	0.1329	0.0000	393.6585	393.6585	0.0579	0.0000	395.1067
2023	0.5178	1.6610	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7079	339.7079	0.0501	0.0000	340.9591
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1355**	**0.0925**	**0.2281**	**0.0444**	**0.0885**	**0.1329**	**0.0000**	**393.6585**	**393.6585**	**0.0579**	**0.0000**	**395.1067**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1155	0.0925	0.2081	0.0341	0.0885	0.1227	0.0000	393.6582	393.6582	0.0579	0.0000	395.1064
2023	0.5178	1.6609	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7076	339.7076	0.0501	0.0000	340.9588
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1155**	**0.0925**	**0.2081**	**0.0341**	**0.0885**	**0.1227**	**0.0000**	**393.6582**	**393.6582**	**0.0579**	**0.0000**	**395.1064**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**8.90**	**0.00**	**5.16**	**15.05**	**0.00**	**4.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.5919	0.5919
2	4-1-2022	6-30-2022	0.5957	0.5957
3	7-1-2022	9-30-2022	0.6022	0.6022
4	10-1-2022	12-31-2022	0.6038	0.6038
5	1-1-2023	3-31-2023	0.5423	0.5423
6	4-1-2023	6-30-2023	0.5469	0.5469
7	7-1-2023	9-30-2023	0.5529	0.5529
		Highest	0.6038	0.6038

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769
Waste						0.0000	0.0000		0.0000	0.0000	5.6026	0.0000	5.6026	0.3311	0.0000	13.8801
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.5159**	**0.6334**	**2.3919**	**7.0500e-003**	**0.5696**	**0.0130**	**0.5826**	**0.1527**	**0.0127**	**0.1654**	**6.8428**	**788.1275**	**794.9702**	**0.4952**	**5.1100e-003**	**808.8723**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Waste						0.0000	0.0000		0.0000	0.0000	1.4006	0.0000	1.4006	0.0828	0.0000	3.4700
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.4880**	**0.4817**	**1.6954**	**4.0500e-003**	**0.2984**	**0.0108**	**0.3093**	**0.0800**	**0.0106**	**0.0906**	**2.6409**	**510.6904**	**513.3313**	**0.2345**	**5.1100e-003**	**520.7172**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.39**	**23.96**	**29.12**	**42.55**	**47.61**	**16.82**	**46.92**	**47.61**	**16.10**	**45.20**	**61.41**	**35.20**	**35.43**	**52.64**	**0.00**	**35.62**

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0328**	**3.7100e-003**	**0.0365**	**0.0168**	**3.4100e-003**	**0.0203**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0128	0.0000	0.0128	6.5700e-003	0.0000	6.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0128**	**3.7100e-003**	**0.0165**	**6.5700e-003**	**3.4100e-003**	**9.9800e-003**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.6001	259.6001	0.0501	0.0000	260.8522
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.6001**	**259.6001**	**0.0501**	**0.0000**	**260.8522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.5998	259.5998	0.0501	0.0000	260.8519
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.5998**	**259.5998**	**0.0501**	**0.0000**	**260.8519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0872	218.0872	0.0412	0.0000	219.1183
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0872**	**218.0872**	**0.0412**	**0.0000**	**219.1183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0869	218.0869	0.0412	0.0000	219.1180
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0869**	**218.0869**	**0.0412**	**0.0000**	**219.1180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Unmitigated	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
NaturalGas Mitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
NaturalGas Unmitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Unmitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1829	0.1284	3.2200e-003	30.3530
Unmitigated	26.1829	0.1284	3.2200e-003	30.3530

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.4006	0.0828	0.0000	3.4700
Unmitigated	5.6026	0.3311	0.0000	13.8801

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	27.6	5.6026	0.3311	0.0000	13.8801
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**5.6026**	**0.3311**	**0.0000**	**13.8801**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	6.9	1.4006	0.0828	0.0000	3.4700
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1.4006**	**0.0828**	**0.0000**	**3.4700**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Compton Residential Development

Air Quality and Greenhouse Gas Impact Study

City of Compton, CA

Prepared for:

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MD ACOUSTICS
Sound Solutions for Planning and Design

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GLOSSARY OF TERMS

AQMP	Air Quality Management Plan
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
LST	Localized Significant Thresholds
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This air quality and greenhouse gas (GHG) analysis was prepared to evaluate whether the estimated criteria pollutants and GHG emissions generated from the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The project site is located at 930 W. Compton Boulevard in Compton, California, as shown in Exhibit A. The site is currently zoned as Limited Commercial (CL) and Parking (P) and classified as Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a Change of Zone to General Commercial – Limited Commercial and Planned Development (C-L-D).The proposed use is multi-family residential at approximately 24.5 dwelling units per acre. Land uses surrounding the site include single-family residential uses to the south (across 151st Street), single-family residential uses and commercial uses to the west (across Dwight Avenue), mixed-use commercial and residential uses to the north (across Compton Boulevard), and multi-family residential uses to the east (across Kemp Avenue).

1.2.2 Project Description

The Project proposes the development of the approximately 2.45-acre site with 60 single-family (attached) townhomes. Exhibit B demonstrates the site plan for the project.

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Table 1 summarizes the land use description for the Project Site.

Table 1: Land Use Summary

Land Use	Unit Amount	Size Metric
Apartments Low Rise	60	Dwelling Units
Other Asphalt Surfaces (On-Site Roadways & Guest Parking)	0.61	Acres
Other Non-Asphalt Surfaces (Landscaping & Hardscape)	0.61	Acres
Notes:		

[1] The Traffic & Parking Analysis for the Compton & Kemp Residential Project (TJW Engineering, Inc., March 3, 2021) utilized land use code Multi-Family Housing (Low-Rise) ITE 220. Therefore, the project was modeled with the closest land use code available in CalEEMod, Apartments Low Rise (ITE 221).

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are multiple-family residential land uses located approximately 35 feet southeast and 50 foot east of the project site (across Kemp Avenue). In addition, single-family residential land uses are located approximately 50 feet south of the project site (across 151st Street), 50 feet west of the project site (across Dwight Avenue), and 165 feet north of the project site.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

Construction-Source Emissions
Project construction-source emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

Project construction-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). As discussed herein, the project will comply with all applicable SCAQMD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

Operational-Source Emissions
The project operational-sourced emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the Operations-Related Local Air Quality Impacts section of this report. Additionally, project-related traffic will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots). Project operational-

source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

Project operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project's emissions meet SCAQMD regional thresholds and will not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant.

Project-related GHG emissions meet the SCAQMD draft threshold and are also considered to be less than significant. The project also complies with the goals of the CARB Scoping Plan, AB-32, and SB-32.

Mitigation Measures

A. Construction Measures

Adherence to SCAQMD Rule 403 is required.

No construction mitigation required.

B. Operational Measures

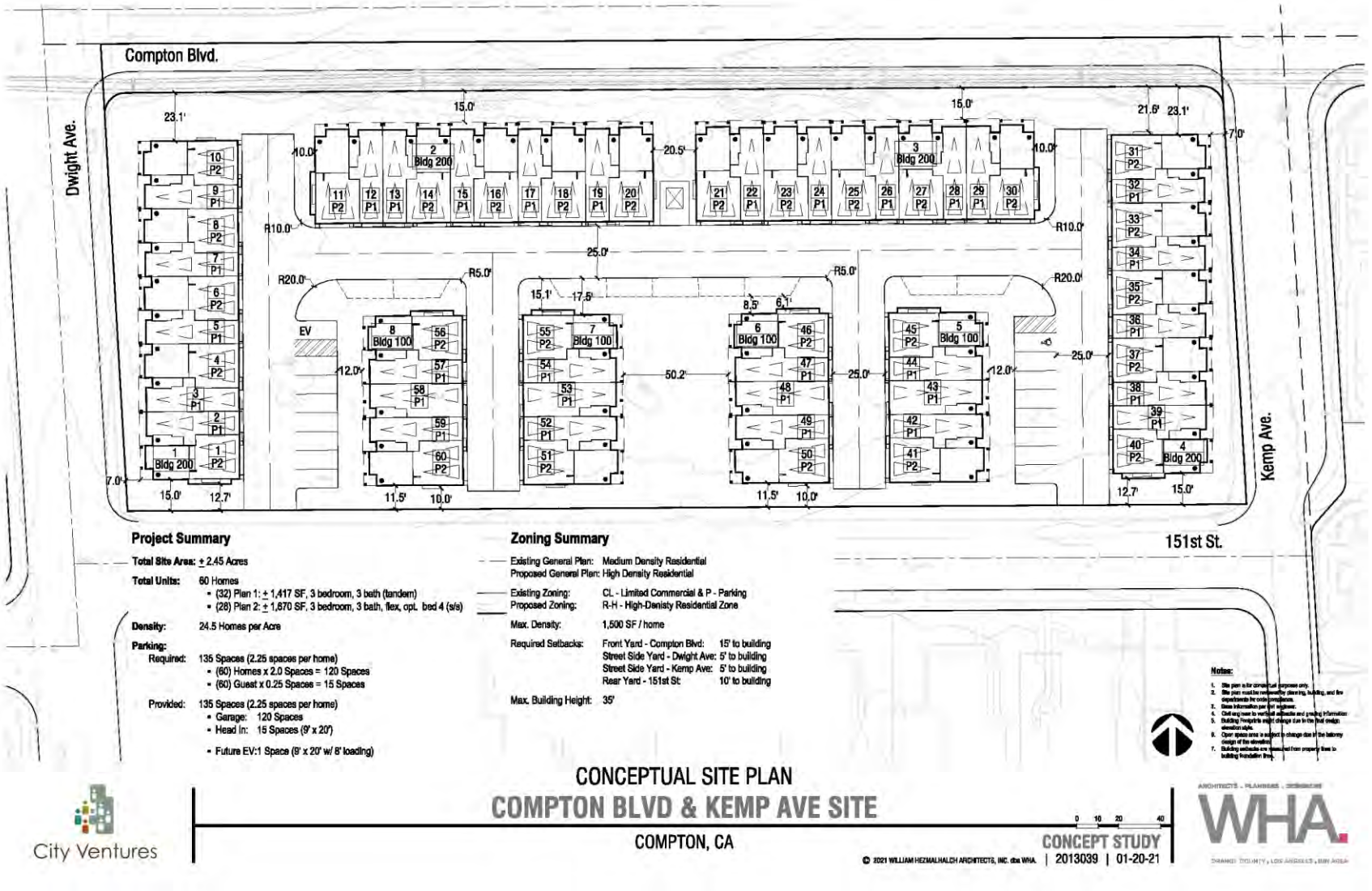
No operational mitigation required.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Regulatory Framework and Background

2.1 Air Quality Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The South Coast Air Quality Management District (SCAQMD) regulates at the air basin level.

2.1.1 National and State

The EPA is responsible for global, international, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Air Quality Standards, also known as federal standards. There are six common air pollutants, called criteria pollutants, which were identified from the provisions of the Clean Air Act of 1970.

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Particulate Matter
- Sulfur Dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to project the public health.

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. See http://www.arb.ca.gov/research/aaqs/aaqs.htm for additional information on criteria pollutants and air quality standards.

The federal and state ambient air quality standards are summarized in Table 2 and can also be found at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentrations[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O3)	1-Hour	0.09 ppm	Ultraviolet Photometry	- -	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm		0.070 ppm (147 µg/m³)		
Respirable Particulate Matter (PM10)[8]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µ/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		- -		
Fine Particulate Matter (PM2.5)[8]	24-Hour	- -	- -	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 µg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 µg/m³)	- -	Non-Dispersive Infrared Photometry (NDIR)
	8-Hour	9.0 ppm (10 µg/m³)		9 ppm (10 µg/m³)	- -	
	8-Hour (Lake Tahoe)	6 ppm (7 µg/m³)		- -	- -	
Nitrogen Dioxide (NO_2)[9]	1-Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	- -	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (357 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1-Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	- -	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	- -		- -	0.5 ppm (1300 mg/m³)	
	24-Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[10]	- -	
	Annual Arithmetic Mean	- -		0.130ppm (for certain areas)[10]	- -	
Lead[11,12]	30 Day Average	1.5 µg/m³	Atomic Absorption	- -		
	Calendar Qrtr	- -		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	- -		0.15 µg/m³		
Visibility Reducing Particles[13]	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Notes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

10. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Several pollutants listed in Table 2 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

2.1.2 South Coast Air Quality Management District

The agency for air pollution control for the South Coast Air Basin (basin) is the South Coast Air Quality Management District (SCAQMD). SCAQMD is responsible for controlling emissions primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the basin. SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the basin. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

Every three (3) years the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon.

On March 23, 2017 CARB approved the 2016 AQMP. The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air. The Plan was approved by the EPA on June 15, 2017.

The 2016 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on time. As with every AQMP, a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures is updated with the latest data and methods. The most significant air quality challenge in the Basin is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. The primary goal of this Air Quality Management Plan is to meet clean air standards and protect public health, including ensuring benefits to environmental justice and disadvantaged communities. The Plan was approved by the EPA on June 15, 2017

The 2012 AQMP built upon the approaches taken in the 2007 AQMP for the attainment of federal PM and ozone standards, and highlights the significant amount of reductions needed and the need to engage in interagency coordinated planning of mobile sources to meet all of the federal criteria pollutant standards. Compared with the 2007 AQMP, the 2012 AQMP utilized revised emissions inventory projections that use 2008 as the base year. On-road emissions are calculated using CARB EMFAC2011 emission factors and the transportation activity data provided by SCAG from their 2012 Regional Transportation Plan (2012 RTP). Off-road emissions were updated using CARB's 2011 In-Use Off-Road Fleet Inventory Model. Since the 2007 AQMP was finalized new area source categories such as liquid propane gas (LPG) transmission losses, storage tank and pipeline cleaning and degassing, and architectural colorants, were created and included in the emissions inventories. The 2012 AQMP also includes analysis of several additional sources of GHG emissions such as landfills and could also assist in reaching the GHG target goals in the AB32 Scoping Plan.

South Coast Air Quality Management District Rules

The AQMP for the basin establishes a program of rules and regulations administered by SCAQMD to obtain attainment of the state and federal standards. Some of the rules and regulations that apply to this Project include, but are not limited to, the following:

SCAQMD Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable suppression techniques are indicated below and include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas in active for 10 days or more).
- Water active sites at least three times daily.
- Cover all trucks hauling dirt, san, soil, or other loose materials, or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code (CVC) section 23114.
- Pave construction access roads at least 100 feet onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep on-site and off-iste streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets.

SCAQMD Rule 1113 governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of project must comply with Rule 1113.

Idling Diesel Vehicle Trucks – Idling for more than 5 minutes in any one location is prohibited within California borders.

Rule 2702. The SCAQMD adopted Rule 2702 on February 6, 2009, which establishes a voluntary air quality investment program from which SCAQMD can collect funds from parties that desire certified GHG emission reductions, pool those funds, and use them to purchase or fund GHG emission reduction projects within two years, unless extended by the Governing Board. Priority will be given to projects that result in co-benefit emission reductions of GHG emissions and criteria or toxic air pollutants within environmental justice areas. Further, this voluntary program may compete with the cap-and-trade program identified for implementation in CARB's Scoping Plan, or a Federal cap and trade program.

2.2 Greenhouse Gas Regulatory Setting

2.2.1 International

Many countries around the globe have made an effort to reduce GHGs since climate change is a global issue.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations. The United States participates in the United Nations Framework Convention on Climate Change (UNFCCC) (signed on March 21, 1994). Under the Convention, governments gather and share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

The 2014 UN Climate Change Conference in Lima Peru provided a unique opportunity to engage all countries to assess how developed countries are implementing actions to reduce emissions.

Kyoto Protocol. The Kyoto Protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. It has been estimated that if the commitments outlined in the Kyoto Protocol are met, global GHG emissions could be reduced by an estimated 5 percent from 1990 levels during the first commitment period of 2008 – 2012 (UNFCCC 1997). On December 8, 2012, the Doha Amendment to the Kyoto Protocol was adopted. The amendment includes: New commitments for Annex I Parties to the Kyoto Protocol who agreed to take on commitments in a second commitment period from 2013 – 2020; a revised list of greenhouse gases (GHG) to be reported on by Parties in the second commitment period; and Amendments to several articles of the Kyoto Protocol which specifically referenced issues pertaining to the first commitment period and which needed to be updated for the second commitment period.

2.2.2 National

Greenhouse Gas Endangerment. On December 2, 2009, the EPA announced that GHGs threaten the public health and welfare of the American people. The EPA also states that GHG emissions from on-road vehicles contribute to that threat. The decision was based on *Massachusetts v. EPA* (Supreme Court Case 05-1120) which argued that GHGs are air pollutants covered by the Clean Air Act and that the EPA has authority to regulate those emissions.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's

National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The second phase of the national program would involve proposing new fuel economy and greenhouse gas standards for model years 2017 – 2025 by September 1, 2011.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Mandatory Reporting of Greenhouse Gases. On January 1, 2010, the EPA started requiring large emitters of heat-trapping emissions to begin collecting GHG data under a new reporting system. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA.

Climate Adaption Plan. The EPA Plan identifies priority actions the Agency will take to incorporate considerations of climate change into its programs, policies, rules and operations to ensure they are effective under future climatic conditions. The following link provides more information on the EPA Plan: https://www.epa.gov/arc-x/planning-climate-change-adaptation

2.2.3 California

California Code of Regulations (CCR) Title 24, Part 6. CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by

fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 and 2016 standards have been approved and became effective July 1, 2014 and January 1, 2016, respectively.

California Code of Regulations (CCR) Title 24, Part 11. All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions. The following links provide more information on Title 24, Part 11:
https://www.dgs.ca.gov/BSC/Codes

https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle, during the 2016 to 2017 fiscal year. During the 2019-2020 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle.

The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The 2019 CalGreen Code includes the following changes and/or additional regulations:

Single-family homes built with the 2019 standards will use about 7 percent less energy due to energy efficiency measures versus those built under the 2016 standards. Once rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy

than those under the 2016 standards. Nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades[1].

HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the post-construction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require post-construction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of post-construction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regards to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regards to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. Some updates were also made in regards to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regards to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many

[1] https://ww2.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf

jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official. The following link provides more on CalGreen Building Standards:
http://www.bsc.ca.gov/Home/CALGreen.aspx

Executive Order S-3-05. California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following targets:

- By 2010, California shall reduce greenhouse gas emissions to 2000 levels;
- By 2020, California shall reduce greenhouse gas emissions to 1990 levels.
- By 2050, California shall reduce greenhouse gas emissions to 80 percent below 1990 levels.

The executive order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

Executive Order S-01-07. Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or

blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

SB 97. Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Resource Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance are provided and no specific mitigation measures are identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project's energy use and energy efficiency potential.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year

2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent (MMTCO2e) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO2e. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 MMTCO2e.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 MMTCO2e by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 (California Air Resources Board 2008). The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, Including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and

- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[4]

Senate Bill 100. Senate Bill 100 (SB 100) requires 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045. SB 100 was adopted September 2018.

The interim thresholds from prior Senate Bills and Executive Orders would also remain in effect. These include Senate Bill 1078 (SB 1078), which requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. Senate Bill 107 (SB 107) which changed the target date to 2010. Executive Order S-14-08, which was signed on November 2008 and expanded the State's Renewable Energy Standard to 33 percent renewable energy by 2020. Executive Order S-21-09 directed the CARB to adopt regulations by July 31, 2010 to enforce S-14-08. Senate Bill X1-2 codifies the 33 percent renewable energy requirement by 2020.

SB 375. Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG), which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 13 percent below 2005 per capita GHG emissions levels by 2035. On April 4, 2012, SCAG adopted the 2012-2035 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), which meets the CARB emission reduction requirements. The Housing Element Update is required by the State to be completed within 18 months after RTP/SCS adoption or by October 2013.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Assembly Bill 939 and Senate Bill 1374. Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resource Agency 2009) was adopted, which is the "… first statewide, multi-sector, region-specific, and information-based climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15. Executive Order B-30-15, establishing a new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030, was signed by Governor Brown in April 2015.

Executive Order B-29-15. Executive Order B-29-15, mandates a statewide 25% reduction in potable water usage and was signed into law on April 1, 2015.

Executive Order B-37-16. Executive Order B-37-16, continuing the State's adopted water reduction, was signed into law on May 9, 2016. The water reduction builds off the mandatory 25% reduction called for in EO B-29-15.

2.2.4 South Coast Air Quality Management District

The Project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions

in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

SCAQMD Threshold Development

The SCAQMD has established recommended significance thresholds for greenhouse gases for local lead agency consideration ("SCAQMD draft local agency threshold"). SCAQMD has published a five-tiered draft GHG threshold which includes a 10,000 metric ton of CO_2e per year for stationary/industrial sources and 3,000 metric tons of CO_2e per year significance threshold for residential/commercial projects (South Coast Air Quality Management District 2010c). Tier 3 is anticipated to be the primary tier by which the SCAQMD will determine significance for projects. The Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90-precent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to CEQA analysis. The 90-percent capture rate GHG significance screening level in Tier 3 for stationary sources was derived using the SCAQMD's annual Emissions Reporting Program.

The current draft thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent. A project's construction emissions are averaged over 30 years and are added to a project's operational emissions. If a project's emissions are under one of the following screening thresholds, then the project is less than significant:
  - All land use types: 3,000 MTCO2e per year
  - Based on land use types: residential is 3,500 MTCO2e per year; commercial is 1,400 MTCO2e per year; and mixed use is 3,000 MTCO2e per year
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual by a certain percentage; this percentage is currently undefined
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: Year 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO2e/SP/year for projects and 6.6 MTCO2e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO2e/SP/year for projects and 4.1 MTCO2e/SP/year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

2.2.5 City of Compton

City of Compton General Plan

Local jurisdictions, such as the City of Compton, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the 2016 AQMP. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In accordance with the CEQA requirements, the City does not, however, have the expertise to develop plans, programs, procedures, and methodologies to ensure that air quality within the City and region will meet federal and state standards. Instead, the City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

The Draft Compton General Plan 2030 Air Quality Element, contains the following air quality-related goals and policies that are applicable to the proposed project:

Goal 1 Reduce automobile use.

Policies

1.2 The City of Compton will implement programs that reduce automobile use by City residents.

1.4 The City of Compton will increase ridership on the local transit system by making it more user-friendly by providing safe, attractive places to wait that include route maps.

Goal 2 Reduce peak-hour roadway congestion.

Goal 3 Reduce emissions associated with vehicle miles traveled by providing a balance of jobs and housing.

Goal 4 Reduce emissions associated with energy consumption.

Policies

4.2 The City of Compton will encourage incorporation of energy features, including passive solar, in the construction and rehabilitation of new and existing structures.

4.3 The City of Compton will support recycling programs which reduce emissions associated with manufacturing and waste disposal.

Goal 5 Reduce air pollution emissions and impacts through site planning and building design.

Policies

5.1 The City of Compton will support the use of low polluting construction materials and coatings.

5.2 The City of Compton will provide, to the maximum extent feasible, for the separation of sensitive receptors, such as schools and hospitals, from sources of toxic emissions.

5.4 The City of Compton will standardize air quality review procedures for all new developments.

5.5 The City of Compton will reduce the exposure of sensitive receptors to dust and odors to the maximum extent feasible.

City of Compton Climate Action Plan

The City of Compton does not currently have a Climate Action Plan.

Therefore, to determine whether the project's GHG emissions are significant, this analysis uses the SCAQMD draft local agency tier 3 screening threshold of 3,000 MTCO2e per year for all land use types.

The project will be subject to the latest requirements of the California Green Building and Title 24 Energy Efficiency Standards (currently 2019) which would reduce project-related greenhouse gas emissions.

3.0 Setting

3.1 Existing Physical Setting

The project site is located in the City of Compton, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

3.1.1 Local Climate and Meteorology

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas where the project site is located. The majority of the annual rainfall in the basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thunderstorms in the coastal regions and slightly heavier showers in the eastern portion of the basin along the coastal side of the mountains. Year-to-year patterns in rainfall are unpredictable because of fluctuations in the weather.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers are often periods of hazy visibility and occasionally unhealthful air. Strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high

enough to pass over the mountains and ultimately dilute the smog cloudtrap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for the City of Torrance, closest monitoring station to the project site, are in Table 3. Table 3 shows that August is typically the warmest month and January and December are typically the coolest months. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table 3: Meteorological Summary

Month	Temperature (˚F)		Average Precipitation (inches)
	Average High	Average Low	
January	66.5	46.2	3.19
February	66.8	47.7	3.68
March	68.1	49.4	2.33
April	70.6	51.5	0.82
May	72.3	55.1	0.26
June	74.6	58.0	0.07
July	77.8	61.3	0.05
August	78.8	61.9	0.03
September	78.1	60.5	0.16
October	75.4	56.5	0.62
November	68.4	48.9	1.16
December	66.8	46.3	2.29
Annual Average	**72.2**	**53.8**	**14.6**

Notes:
[1] Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8973

3.1.2 Local Air Quality

The SCAQMD has divided the South Coast Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located in Compton however ambient air quality data was utilized from both Compton and Long Beach (Areas 12 and 4) monitoring stations. The nearest air monitoring station to the project site is the Compton-700 North

Bullis Road Station (Compton Station). The Compton Station is located approximately 1.97 miles northeast of the project site, however this location does not provide all ambient weather data. The next nearest monitoring station to the project site is the Long Beach-2425 Webster Street Station (Long Beach Station). The Long Beach Station is located approximately 6.56 miles southeast of the project site. The Long Beach Station was used to provide the existing PM2.5 levels. Additional data was also pulled from the SCAQMD historical data for the South Central LA County (Area 12) for both sulfur dioxide and carbon monoxide to provide the existing levels. Table 4 presents the monitored pollutant levels within the vicinity. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

Table 4: Local Area Air Quality Levels from the Compton/Long Beach Monitoring Stations

Pollutant (Standard)[2]	Year		
	2017	**2018**	**2019**
Ozone:			
Maximum 1-Hour Concentration (ppm)	0.092	0.075	0.100
Days > CAAQS (0.09 ppm)	0	0	**1**
Maximum 8-Hour Concentration (ppm)	0.076	0.064	0.079
Days > NAAQS (0.07 ppm)	**5**	0	**1**
Days > CAAQS (0.070 ppm)	**5**	0	**1**
Carbon Monoxide:			
Maximum 1-Hour Concentration (ppm)	6.1	4.7	3.8
Days > NAAQS (20 ppm)	0	0	0
Maximum 8-Hour Concentration (ppm)	4.60	3.50	3.2
Days > NAAQS (9 ppm)	0	0	0
Nitrogen Dioxide:			
Maximum 1-Hour Concentration (ppm)	0.099	0.068	0.070
Days > NAAQS (0.25 ppm)	0	0	0
Sulfur Dioxide:			
Maximum 24-Hour Concentration (ppm)	--[3]	--[3]	--[3]
Days > CAAQS (0.04 ppm)	0	0	0
Inhalable Particulates (PM10):			
Maximum 24-Hour Concentration (ug/m^3)	79.0	84.0	155.8
Days > NAAQS (150 ug/m^3)	0	0	0
Days > CAAQS (50 ug/m^3)	**10**	**4**	**4**
Annual Average (ug/m^3)	33.5	32.7	29.7
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	**Yes**	**Yes**	**Yes**
Ultra-Fine Particulates (PM2.5):			
Maximum 24-Hour Concentration (ug/m^3)	66.7	49.4	39.5
Days > NAAQS (35 ug/m^3)	**5**	**2**	**1**
Annual Average (ug/m^3)	13.2	13.2	10.8
Annual > NAAQS (15 ug/m3)	No	No	No
Annual > CAAQS (12 ug/m^3)	**Yes**	**Yes**	No

[1] Source: obtained from https://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year and /or https://www.arb.ca.gov/adam/topfour/topfour1.php

[2] CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million

[3] No data available.

The monitoring data presented in Table 4 shows that ozone and particulate matter (PM10 and PM2.5) are the air pollutants of primary concern in the project area, which are detailed below.

Ozone
During the 2017 to 2019 monitoring period, the State 1-hour concentration standard for ozone has been exceeded for one day in 2019 at the Compton Station. Both the Federal and the State 8-hour ozone standard (0.07 ppm) have been exceeded between one and five days each year over the past three years at the Compton Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

Carbon Monoxide
CO is another important pollutant that is due mainly to motor vehicles. The South Central LA County Area did not record an exceedance of the state or federal 1-hour or 8-hour CO standards for the last three years.

Nitrogen Dioxide
The Compton Station did not record an exceedance of the State or Federal NO_2 standards for the last three years.

Sulfur Dioxide
The South Central LA County Area did not record an exceedance of the State SO_2 standards for the last three years.

Particulate Matter
During the 2017 to 2019 monitoring period, the State 24-hour concentration standard for PM10 was exceeded between four and ten days each year at the Long Beach Station. Over the same time period the Federal 24-hour and Federal annual standards for PM10 have not been exceeded at the Long Beach Station.

The Federal 24-hour standard for PM2.5 was exceeded between one and five days each year during the 2017 to 2019 monitoring period at the Compton Station.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may

experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

3.1.3 Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard. Table 5 lists the attainment status for the criteria pollutants in the basin.

Table 5: South Coast Air Basin Attainment Status

Pollutant	Averaging Time	National Standards[1]	Attainment Date[2]	California Standards[3]
1979 1-Hour Ozone[4]	1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 Originally 11/15/2010 (Not attained4)	Extreme Nonattainment
1997 8-Hour Ozone[5]	8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024	Nonattainment
2008 8-Hour Ozone	8-Hour (0.075 ppm)	Nonattainment (Extreme)	12/31/2032	
2015 8-Hour Ozone	8-Hour (0.070 ppm)	Designations Pending	~2037	
CO	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (Attained)	Maintenance
NO_2[6]	1-Hour (100 ppb) Annual (0.053 ppm)	Unclassifiable/Attainment Attainment (Maintenance)	N/A (Attained) 9/22/1998 (Attained)	Attainment
SO_2[7]	1-Hour (75 ppb)	Designations Pending (expect Uncl./Attainment)	N/A (Attained)	Attainment
	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (Attained)	

PM10	24-Hour (150 µg/m^3)	Nonattainment (Maintenance)8	7/26/2013 (Attained)8	Nonattainment
PM2.5	24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019	Unclassified
Lead	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)[9]	12/31/2015	Nonattainment (Partial)[9]

Notes:

[1] Obtained from http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassified/Attainment or Unclassifiable.

[2] A design value below the NAAQS for data through the full year or smog season prior to the attainment date is typically required for attainment demonstration.

[3] Obtained from http://www.arb.ca.gov/desig/adm/adm.htm.

[4] 1-hour O3 standard (0.12 ppm) was revoked, effective June 15, 2005 ; however, the Basin has not attained this standard based on 2008-2010 data and is still subject to anti-backsliding requirements.

[5] 1997 8-hour O_3 standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the 1997 O3 standard and most related implementation rules remain in place until the 1997 standard is revoked by U.S. EPA.

[6] New NO_2 1-hour standard, effective August 2, 2010; attainment designations June, 2013; annual NO_2 standard retained.

[7] The 1971 annual and 24-hour SO_2 standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO_2 1-hour standard. Area designations expected in 2012, with SSAB designated Unclassifiable/Attainment.

[8] Annual PM10 standard was revoked, effective December 18, 2006; 24-hour PM10 NAAQS deadline was 12/31/2006; SCAQMD request for attainment re-designation and PM10 maintenance plan was approved by U.S. EPA on June 26, 2013, effective July 26, 2013.

[9] Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors. Expect redesignation to attainment based on current monitoring data.

3.2 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and nitrous oxide (NO_2) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. Table 6 provides a description of each of the greenhouse gases and their global warming potential.

Additional information is available: https://www.arb.ca.gov/cc/inventory/data/data.htm

<Table 6 on next page>

Table 6: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (N_20),also known as laughing gas is a colorless gas. It has a lifetime of 114 years. Its global warming potential is 298.	Microbial processes in soil and water, fuel combustion, and industrial processes. In addition to agricultural sources, some industrial processes (nylon production, nitric acid production) also emit N_20.
Methane	Methane (CH_4) is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 25.	A natural source of CH_4 is from the decay of organic matter. Methane is extracted from geological deposits (natural gas fields). Other sources are from the decay of organic material in landfills, fermentation of manure, and cattle farming.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chlorofluorocarbons	CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). They are gases formed synthetically by replacing all hydrogen atoms in methane or methane with chlorine and/or fluorine atoms. Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone, therefore their production was stopped as required by the Montreal Protocol.
Hydrofluorocarbons	Hydrofluorocarbons (HFCs) are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons (PFCs) have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above the Earth's surface. They have a lifetime 10,000 to 50,000 years. They have a global warming potential range of 6,200 to 9,500.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Notes:

1. Sources: Intergovernmental Panel on Climate Change 2014a and Intergovernmental Panel on Climate Change 2014b. https://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html

4.0 Modeling Parameters and Assumptions

4.1 Construction

Typical emission rates from construction activities were obtained from CalEEMod Version 2016.3.2 CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2014 computer program to calculate the emission rates specific for the southern portion of Los Angeles County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2014 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of the proposed project as indicated in Table 1. Construction is anticipated to begin early 2022 and be completed by late 2023; therefore, construction was estimated to start no sooner than January 2022 and end by mid-December 2023. The phases of the construction activities which have been analyzed below are: 1) grading, 2) building, 3) paving, and 4) architectural coating. For details on construction modeling and construction equipment for each phase, please see Appendix A.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent, stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the Project area (approximately 2.45 acres) and the fact that the project won't export more than 5,000 cubic yards of material a day a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD's Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth moving operations would occur. Compliance with Rule 403 is required.

4.2 Operations

Operational or long-term emissions occur over the life of the Project. Both mobile and area sources generate operational emissions. Area source emissions arise from consumer product usage, heaters that consume natural gas, gasoline-powered landscape equipment, and architectural coatings (painting). Mobile source emissions from motor vehicles are the largest single long-term source of air pollutants from the operation of the Project. Small amounts of emissions would also occur from area sources such as the consumption of natural gas for heating, hearths, from landscaping emissions, and consumer product usage. The operational emissions were estimated using the latest version of CalEEMod.

Mobile Sources
Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project are based upon the trip generation rates given in the project-specific traffic and parking analysis (TJW Engineering, Inc.) which uses the ITE 10th Trip Generation Manual. The traffic and parking analysis shows a trip generation rate of 7.32 trips per dwelling unit.

The program then applies the emission factors for each trip which is provided by the EMFAC2014 model to determine the vehicular traffic pollutant emissions. The CalEEMod default trip lengths were used in this analysis. Please see CalEEMod output comments sections in Appendix A and B for details.

Area Sources
Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less and the CalEEMod model default was utilized.

Energy Usage
2016.3.2 CalEEMod defaults were utilized.

4.3 Localized Construction Analysis

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (South Coast Air Quality Management District 2011b). CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. In order to compare CalEEMod reported emissions against the localized significance threshold lookup tables, the CEQA document should contain in its project design features or its mitigation measures the following parameters:

1. The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions.
2. The maximum number of acres disturbed on the peak day.
3. Any emission control devices added onto off-road equipment.
4. Specific dust suppression techniques used on the day of construction activity with maximum emissions.

The construction equipment showing the equipment associated with the maximum area of disturbance is shown in Table 7.

Table 7: Maximum Number of Acres Disturbed Per Day[1]

Activity	Equipment	Number	Acres/8hr-day	Total Acres
	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Tractors/Loaders/Backhoes	2	0.5	1
Total Per Phase				2.0

Notes:
[1.] Source: CalEEMod output and South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2

As shown in Table 7, the maximum number of acres disturbed in a day would be 2 acres.

The local air quality emissions from construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet). According to LST methodology, any receptor located closer than 25 meters should be based on the 25 meter threshold. The closest receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site.

4.4 Localized Operational Analysis

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

5.0 Thresholds of Significance

5.1 Air Quality Thresholds of Significance

5.1.1 CEQA Guidelines for Air Quality

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard;

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. There are daily emission thresholds for construction and operation of a proposed project in the basin.

5.1.2 Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Projects in the basin with construction-related emissions that exceed any of the emission thresholds are considered to be significant under SCAQMD guidelines.

5.1.3 Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Local Microscale Concentration Standards The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet), for construction.

5.2 Greenhouse Gas Thresholds of Significance

5.2.1 CEQA Guidelines for Greenhouse Gas

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

However, despite this, currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency. As previously discussed (Section 2.2.4 of this report), SCAQMD has drafted interim thresholds. The screening threshold of 3,000 MTCO2e per year for all land uses was used in this analysis.

6.0 Air Quality Emissions Impact

6.1 Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the project by default is required to incorporate these rules during construction.

6.1.1 Regional Construction Emissions

The construction emissions for the project would not exceed the SCAQMD's daily emission thresholds at the regional level as demonstrated in Table 8, and therefore would be considered less than significant.

Table 8: Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Grading						
On-Site[2]	1.54	16.98	9.22	0.02	3.30	2.00
Off-Site[3]	0.04	0.03	0.37	0.00	0.11	0.03
Total	**1.59**	**17.01**	**9.59**	**0.02**	**3.41**	**2.03**
Building Construction						
On-Site[2]	1.86	14.60	14.35	0.03	0.70	0.67
Off-Site[3]	0.34	1.58	2.81	0.01	0.84	0.23
Total	**2.20**	**16.18**	**17.17**	**0.04**	**1.54**	**0.90**
Paving						
On-Site[2]	0.96	8.61	11.68	0.02	0.43	0.40
Off-Site[3]	0.06	0.04	0.51	0.00	0.17	0.05
Total	**1.02**	**8.65**	**12.20**	**0.02**	**0.60**	**0.45**
Architectural Coating						
On-Site[2]	29.75	1.30	1.81	0.00	0.07	0.07
Off-Site[3]	0.05	0.03	0.44	0.00	0.15	0.04
Total	**29.80**	**1.34**	**2.26**	**0.00**	**0.22**	**0.11**
Total of overlapping phases[4]	**33.02**	**26.17**	**31.62**	**0.06**	**2.36**	**1.46**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.
[4] Construction, architectural coatings and paving phases may overlap.

6.1.2 Localized Construction Emissions

The data provided in Table 9 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Table 9: Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Grading	16.98	9.22	3.30	2.00
Building Construction	14.60	14.35	0.70	0.67
Paving	8.61	11.68	0.43	0.40
Architectural Coating	1.30	1.81	0.07	0.07
Total of overlapping phases	24.52	27.85	1.21	1.14
SCAQMD Threshold for 25 meters (82 feet) or less[2]	**65**	**346**	**7**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for two acres in South Central Los Angeles County Source Receptor Area (SRA 12). Project will disturb a maximum of 2 acres per day (see Table 7).
[2] The nearest sensitive receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site; however, according to LST methodology any receptor located closer than 25 meters should be based on the 25 meter threshold.

6.1.3 Odors

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected cease upon the drying or hardening of the odor producing materials. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the on-going operations of the proposed project would include odor emissions from trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 no significant impact related to odors would occur during the on-going operations of the proposed project.

6.1.4 Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment

(HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed project would not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project.

6.2 Operational Air Quality Emissions Impact

6.2.1 Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEEMod model. The operating emissions were based on year 2023, which is the anticipated opening year for the project. The summer and winter emissions created by the proposed project's long-term operations were calculated and the highest emissions from either summer or winter are summarized in Table 10.

Table 10: Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	2.26	0.95	5.33	0.01	0.10	0.10
Energy Usage[3]	0.03	0.25	0.11	0.00	0.02	0.02
Mobile Sources[4]	0.72	3.08	10.01	0.04	3.22	0.88
Total Emissions	**3.01**	**4.28**	**15.45**	**0.05**	**3.34**	**1.00**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

Table 10 provides the project's unmitigated operational emissions. Table 10 shows that the project does not exceed the SCAQMD daily emission threshold and regional operational emissions are considered to be less than significant.

6.2.2 Localized Operational Emissions

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential

to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

As stated previously, according to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

6.3 CO Hot Spot Emissions

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards which were presented in above in Section 5.0.

To determine if the proposed project could cause emission levels in excess of the CO standards discussed above in Section 5.0, a sensitivity analysis is typically conducted to determine the potential for CO "hot spots" at a number of intersections in the general project vicinity. Because of reduced speeds and vehicle queuing, "hot spots" potentially can occur at high traffic volume intersections with a Level of Service E or worse.

Micro-scale air quality emissions have traditionally been analyzed in environmental documents where the air basin was a non-attainment area for CO. However, the SCAQMD has demonstrated in the CO attainment redesignation request to EPA that there are no "hot spots" anywhere in the air basin, even at intersections with much higher volumes, much worse congestion, and much higher background CO levels than anywhere in Riverside County. If the worst-case intersections in the air basin have no "hot spot" potential, any local impacts will be below thresholds.

The project-specific traffic and parking analysis (TJW Engineering, Inc.) showed that the project would generate a maximum of approximately 439 vehicle trips per day. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. Therefore, as the project only includes a maximum of 439 daily vehicle trips, no CO "hot spot" modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

6.4 Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would

extend beyond any local projects and when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The project does not exceed any of the thresholds of significance and therefore is considered less than significant.

6.5 Air Quality Compliance

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD Air Quality Management Plan (AQMP). Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis contained in this Air Analysis, neither short-term construction impacts, nor long-term operations will result in significant impacts based on the SCAQMD regional and local thresholds of significance.

Therefore, the proposed project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2016, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the City of Compton Land Use Plan defines the assumptions that are represented in the AQMP.

The proposed project is currently zoned as Limited Commercial (CL) and Parking (P) and has a land use classification of Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a General Plan Amendment to General Commercial (GC) and a Change of Zone to Limited Commercial and Planned Development Zones (C-L-D). The project is proposing to develop the approximately 2.45-acre project site with 60 single-family (attached) townhomes at 24.5 dwelling units per acre. Therefore, the proposed project is not currently consistent with the existing land use designation and zoning.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and sub-regional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium- Density and High-Density Residential categories is also allowed in General Commercial. The High-Density Residential General Plan land use designation permits 17.1 to 34 dwelling unit per net acre; therefore, the as the project is proposing 24 dwelling units per acre it would be consistent with the proposed General Commercial land use designation.

Therefore, once the General Plan Amendment and Change of Zone is approved, the project would be consistent with the City's land use and zoning designations. Although the project may initially result in an inconsistency with the AQMP on paper, the inconsistency would not necessarily constitute a conflict with the AQMP. The SCAQMD acknowledges that strict consistency with all aspects of the AQMP is not required in order to make a finding of no conflict. Rather, a project is considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The project would implement contemporary energy-efficient technologies and regulatory/operational programs required per Title 24, CalGreen and City standards. Generally, compliance with SCAQMD emissions reductions and

control requirements also act to reduce project air pollutant emissions. Project compliance with regulatory/operational programs is consistent with and supports overarching AQMP air pollution reduction strategies. Project support of these strategies promotes timely attainment of AQMP air quality standards and would bring the project into conformance with the AQMP. Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

7.0 Greenhouse Gas Impact Analysis

7.1 Construction Greenhouse Gas Emissions Impact

The greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 11. The emissions are from all phases of construction. The total construction emissions amortized over a period of 30 years are estimated at 24.54 metric tons of CO_2e per year. Annual CalEEMod output calculations are provided in Appendix B.

Table 11: Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	Onsite	**Offsite**	**Total**
Grading	9.1	0.5	9.6
Building Construction[2]	480.0	225.7	705.7
Paving	15.6	1.4	17.0
Coating	2.6	1.2	3.8
Total	507.3	228.8	736.1
Averaged over 30 years[2]	17	8	24.54

Notes:
[1.] $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane and nitrous oxide).
[2.] The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.
* CalEEMod output (Appendix B)

7.2 Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The unmitigated operational emissions for the project are 833.41 metric tons of CO_2e per year as shown in Table 12. Therefore, the project's GHG emissions do not exceed the SCAQMD draft threshold of 3,000 metric tons CO2e per year for all land uses. Therefore, the proposed project's GHG emissions are considered to be less than significant.

<Table 12 next page>

Table 12: Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	13.98	13.98	0.00	0.00	14.08
Energy Usage[3]	0.00	133.38	133.38	0.00	0.00	133.98
Mobile Sources[4]	0.00	615.82	615.82	0.03	0.00	616.58
Solid Waste[5]	5.60	0.00	5.60	0.33	0.00	13.88
Water[6]	1.24	24.94	26.18	0.13	0.00	30.35
Construction[7]	0.00	24.45	24.45	0.00	0.00	24.54
Total Emissions	6.84	812.57	819.42	0.50	0.01	**833.41**
SCAQMD Draft Screening Threshold						**3,000**
Exceeds Threshold?						**No**

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consist of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30 year amortization rate.

7.3 Greenhouse Gas Plan Consistency

The proposed project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. As stated previously, the City of Compton does not currently have a Climate Action Plan; therefore, the project has been compared to the goals of the CARB Scoping Plan and the GHG emissions reduction goal of SB-32.

Scoping Plan

Emission reductions in California alone would not be able to stabilize the concentration of greenhouse gases in the earth's atmosphere. However, California's actions set an example and drive progress towards a reduction in greenhouse gases elsewhere. If other states and countries were to follow California's emission reduction targets, this could avoid medium or higher ranges of global temperature increases. Thus, severe consequences of climate change could also be avoided.

The ARB Board approved a Climate Change Scoping Plan in December 2008. The Scoping Plan outlines the State's strategy to achieve the 2020 greenhouse gas emissions limit. The Scoping Plan "proposes a comprehensive set of actions designed to reduce overall greenhouse gas emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (California Air Resources Board 2008). The measures in the Scoping Plan have been in place since 2012.

This Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of

14 tons of carbon dioxide for every man, woman and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This *Update* identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB release the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals, and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and Trade Program, which constrains and reduces emissions at covered sources.

As the latest, 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in Table 13. As shown in Table 13, the project is consistent with the applicable strategies and would result in a less than significant impact.

SB-32

SB-32 requires the state board to ensure that statewide greenhouse gas emissions are reduced to 40 percent below the 1990 level by 2030. SCAQMD's thresholds used Executive Order S-3-05 goal as the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

As the SCAQMD uses EO S-3-05 as the basis for their screening level, and EO S-3-05 includes the long-term goal to reduce greenhouse gas emissions to 80 percent below 1990 levels by 2050, the project would also be consistent with the goal of SB 32 (to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030). Therefore, projects that meet the current interim emissions targets/thresholds established by SCAQMD would also be on track to meet the reduction targets for 2030. Furthermore, all of the post 2020 reductions in GHG emissions are addressed via regulatory requirements at the State level and the project will be required to comply with these regulations as they come into effect.

Therefore, as the project's emissions do not exceed the SCAQMD draft GHG emissions threshold of 3,000 metric tons CO2e per year, the project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the project will comply with applicable Green Building Standards and City of Compton's policies regarding sustainability (as dictated by the City's General Plan).

<Table 13 next page>

Table 13: Project Consistency with CARB Scoping Plan Policies and Measures[1]

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	Consistent. The project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	Consistent. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.

Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Consistent. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Notes: 1. Source: CARB Scoping Plan (2008 and 2017)	

8.0 References

The following references were used in the preparing of this analysis.

California Air Resources Board

2008 Resolution 08-43

2008 Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2008 Climate Change Scoping Plan, a framework for change.

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

2013 Revised Emission Factors for Gasoline Marketing Operations at California Gasoline Dispensing Facilities

2014 First Update to the Climate Change Scoping Plan, Building on the Framework Pursuant to AB32, the California Global Warming Solutions Act of 2006. May.

2017 California's 2017 Climate Change Scoping Plan. November.

2021 Historical Air Quality, Top 4 Summary

City of Compton

2011 Draft City of Compton 2030 General Plan. January.

Governor's Office of Planning and Research

2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2009 CEQA Guideline Sections to be Added or Amended

2018 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

1993 CEQA Air Quality Handbook

2005 Rule 403 Fugitive Dust
2007 2007 Air Quality Management Plan

2008 Final Localized Significance Threshold Methodology, Revised

2011 Appendix A Calculation Details for CalEEMod

2012 Final 2012 Air Quality Management Plan

2016 Final 2016 Air Quality Management Plan

TJW Engineering, Inc.
2021 Traffic & Parking Analysis for the Compton & Kemp Residential Project, City of Compton, CA. March 3.

Appendix A:

CalEEMod Daily Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057
Total	**3.0117**	**4.2005**	**15.4450**	**0.0455**	**3.1914**	**0.1475**	**3.3389**	**0.8540**	**0.1456**	**0.9996**	**0.0000**	**5,331.8559**	**5,331.8559**	**0.2202**	**0.0268**	**5,345.3348**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Total	**2.8563**	**3.4330**	**11.3316**	**0.0284**	**1.6720**	**0.1355**	**1.8075**	**0.4474**	**0.1344**	**0.5818**	**0.0000**	**3,591.9605**	**3,591.9605**	**0.1441**	**0.0268**	**3,603.5366**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.16**	**18.27**	**26.63**	**37.63**	**47.61**	**8.15**	**45.87**	**47.61**	**7.69**	**41.80**	**0.00**	**32.63**	**32.63**	**34.57**	**0.00**	**32.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Unmitigated	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

01632102 Compton Residential Development

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590
Total	**2.9889**	**4.2783**	**14.8995**	**0.0437**	**3.1914**	**0.1476**	**3.3390**	**0.8540**	**0.1457**	**0.9997**	**0.0000**	**5,147.0312**	**5,147.0312**	**0.2193**	**0.0268**	**5,160.4881**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Total	**2.8373**	**3.4621**	**11.1737**	**0.0273**	**1.6720**	**0.1356**	**1.8076**	**0.4474**	**0.1345**	**0.5819**	**0.0000**	**3,485.7810**	**3,485.7810**	**0.1451**	**0.0268**	**3,497.3821**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.07**	**19.08**	**25.01**	**37.38**	**47.61**	**8.15**	**45.86**	**47.61**	**7.68**	**41.79**	**0.00**	**32.28**	**32.28**	**33.85**	**0.00**	**32.23**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Unmitigated	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B:

CalEEMod Annual Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1355	0.0925	0.2281	0.0444	0.0885	0.1329	0.0000	393.6585	393.6585	0.0579	0.0000	395.1067
2023	0.5178	1.6610	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7079	339.7079	0.0501	0.0000	340.9591
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1355**	**0.0925**	**0.2281**	**0.0444**	**0.0885**	**0.1329**	**0.0000**	**393.6585**	**393.6585**	**0.0579**	**0.0000**	**395.1067**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1155	0.0925	0.2081	0.0341	0.0885	0.1227	0.0000	393.6582	393.6582	0.0579	0.0000	395.1064
2023	0.5178	1.6609	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7076	339.7076	0.0501	0.0000	340.9588
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1155**	**0.0925**	**0.2081**	**0.0341**	**0.0885**	**0.1227**	**0.0000**	**393.6582**	**393.6582**	**0.0579**	**0.0000**	**395.1064**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**8.90**	**0.00**	**5.16**	**15.05**	**0.00**	**4.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.5919	0.5919
2	4-1-2022	6-30-2022	0.5957	0.5957
3	7-1-2022	9-30-2022	0.6022	0.6022
4	10-1-2022	12-31-2022	0.6038	0.6038
5	1-1-2023	3-31-2023	0.5423	0.5423
6	4-1-2023	6-30-2023	0.5469	0.5469
7	7-1-2023	9-30-2023	0.5529	0.5529
		Highest	0.6038	0.6038

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769
Waste						0.0000	0.0000		0.0000	0.0000	5.6026	0.0000	5.6026	0.3311	0.0000	13.8801
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.5159**	**0.6334**	**2.3919**	**7.0500e-003**	**0.5696**	**0.0130**	**0.5826**	**0.1527**	**0.0127**	**0.1654**	**6.8428**	**788.1275**	**794.9702**	**0.4952**	**5.1100e-003**	**808.8723**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Waste						0.0000	0.0000		0.0000	0.0000	1.4006	0.0000	1.4006	0.0828	0.0000	3.4700
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.4880**	**0.4817**	**1.6954**	**4.0500e-003**	**0.2984**	**0.0108**	**0.3093**	**0.0800**	**0.0106**	**0.0906**	**2.6409**	**510.6904**	**513.3313**	**0.2345**	**5.1100e-003**	**520.7172**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.39**	**23.96**	**29.12**	**42.55**	**47.61**	**16.82**	**46.92**	**47.61**	**16.10**	**45.20**	**61.41**	**35.20**	**35.43**	**52.64**	**0.00**	**35.62**

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0328**	**3.7100e-003**	**0.0365**	**0.0168**	**3.4100e-003**	**0.0203**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0128	0.0000	0.0128	6.5700e-003	0.0000	6.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0128**	**3.7100e-003**	**0.0165**	**6.5700e-003**	**3.4100e-003**	**9.9800e-003**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.6001	259.6001	0.0501	0.0000	260.8522
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.6001**	**259.6001**	**0.0501**	**0.0000**	**260.8522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.5998	259.5998	0.0501	0.0000	260.8519
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.5998**	**259.5998**	**0.0501**	**0.0000**	**260.8519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0872	218.0872	0.0412	0.0000	219.1183
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0872**	**218.0872**	**0.0412**	**0.0000**	**219.1183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0869	218.0869	0.0412	0.0000	219.1180
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0869**	**218.0869**	**0.0412**	**0.0000**	**219.1180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Unmitigated	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
NaturalGas Mitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
NaturalGas Unmitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Unmitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1829	0.1284	3.2200e-003	30.3530
Unmitigated	26.1829	0.1284	3.2200e-003	30.3530

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.4006	0.0828	0.0000	3.4700
Unmitigated	5.6026	0.3311	0.0000	13.8801

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	27.6	5.6026	0.3311	0.0000	13.8801
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**5.6026**	**0.3311**	**0.0000**	**13.8801**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	6.9	1.4006	0.0828	0.0000	3.4700
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1.4006**	**0.0828**	**0.0000**	**3.4700**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JUNE 28, 2022

TO: HONORABLE MAYOR AND COUNCIL MEMBERS

FROM: COMMUNITY DEVELOPMENT DEPARTMENT

SUBJECT: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COMPTON ADOPTING MITIGATED NEGATIVE DECLARATION NO. 951, AND MITIGATION MONITORING PROGRAM AND APPROVING TENTATIVE TRACT MAP NO. 82807 (SUBDIVISION CASE NO. 21-001) RELATED TO A REQUEST TO CREATE A 60 UNIT CONDOMINIUM MAP FOR THE PROPERTY LOCATED AT 930 WEST COMPTON BOULEVARD

SUMMARY

The City Council will consider a request to approve Tentative Tract Map No. 82807 (Sub Case No. 21-001) a request to create a 60-unit condominium map for the property located at 930 W. Compton Blvd

BACKGROUND

On May 11, 2022, the Planning Commission held a public hearing on the above-listed request. After due consideration, the Planning Commission did not adopt Mitigated Negative Declaration (MND) No. 951 & Mitigation Monitoring and Reporting Program (MMRP) and voted to not recommend approval to the City Council for Tentative Tract Map No. 82807 (Sub Case No. 21-001). The project also is requesting approval of a General Plan Amendment, Change of Zone, and Conditional Use Permit.

PROJECT DESCRIPTION

The applicant is requesting approval of a proposed condominium tentative tract map to facilitate the development 60 condominiums.

STATEMENT OF THE ISSUE

The proposed condominium tentative tract map will facilitate the creation of condominiums for individual sale. One master lot is proposed with airspace rights for 60 dwelling units.

A Mitigated Negative Declaration was prepared for the project. The Initial Study/Mitigated Negative Declaration No. 951 was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20-day public review period from November 16, 2021 to December 5, 202. The proposed project will not cause any negative impacts.

FINANCIAL IMPACT

None. No City funds will be used for this project.

RECOMMENDATION

Staff recommends the City Council approve Tentative Tract Map No. 82807 (Sub Case No. 21-001).

ROBERT DELGADILLO, SENIOR PLANNER
COMMUNITY DEVELOPMENT DEPARTMENT

APPROVED FOR FORWARDING:

THOMAS THOMAS
CITY MANAGER

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COMPTON ADOPTING MITIGATED NEGATIVE DECLARATION NO. 951 AND MITIGATION MONITORING PROGRAM AND APPROVING TENTATIVE TRACT MAP NO. 82807 (SUBDIVISION CASE NO. 21-001) RELATED TO A REQUEST TO CREATE A 60 UNIT CONDOMINIUM MAP FOR THE PROPERTY LOCATED AT 930 WEST COMPTON BOULEVARD

WHEREAS, The City Ventures Company has made application for a Tentative Tract Map in accordance with Section 28 of the Compton Municipal Code a request to create a 60-unit condominium map for the certain real property situated in the City of Compton, legally described as follows:

6161-001-902; located at 930 W. Compton Blvd.; and

WHEREAS, The Tentative Tract Map must be processed in accordance with Chapter 28 of the Compton Municipal Code (C.M.C.) and the State of California Subdivision Map Act; and

WHEREAS, All environmental documents were processed in accordance with the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13 §21000 et seq.; and

WHEREAS, That the notice of intent along with the Initial Study/Mitigated Negative Declaration No. 951 was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20 day public review period from November 16, 2021 to December 5, 2021 and posted on the City's website; and

WHEREAS, This case was also properly noticed in accordance with California Government Code 65090 and 65091; and

WHEREAS, A public hearing upon said request for a Tentative Tract Map was held before the Planning Commission on December 8, 2021 and May 11, 2022; and

WHEREAS, Evidence was heard from all persons interested in effecting said Tentative Tract Map 82807 and all persons protesting same, and the City Council being fully informed,

WHEREAS, A public hearing upon said request for Tentative Tract Map 82807 Subdivision Case No. 21-001 was held before the City of Compton City Council on June 28, 2022; and

WHEREAS, The City Council being fully informed:

F I N D S

Mitigated Negative Declaration:

1. That in accordance with the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13 §21000 et seq.) an Initial Study for the project was prepared that identifies and evaluates the environmental impacts of the project.
2. That the City of Compton, in its capacity as Lead Agency, has determined that the proposed project requires a Mitigated Negative Declaration as part of its environmental review.
3. That the notice of intent along with the Initial Study/Mitigated Negative Declaration No. 951 was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20-day public review period, mailed to abutting property owners and posted on the City's website.
4. That all environmental documents have been processed in accordance with the California Environmental Quality Act (CEQA) guidelines.
5. That the approval and subsequent implementation of the proposed project *will not* have the potential to degrade the quality of the environment with the implementation of the conditions of approval.
6. That the approval and subsequent implementation of the proposed project *will not* have the potential to achieve short-term goals to the disadvantage of long-term environmental goals with the implementation of the conditions of approval.

7. That the approval and subsequent implementation of the proposed project *will not* have impacts that are individually limited, but cumulatively considerable, when considering the proposed development in the immediate vicinity with the implementation of the conditions of approval.
8. That the approval and subsequent implementation of the proposed project *will not* have environmental effects that will adversely affect humans, either directly or indirectly with the implementation of the conditions of approval.

Change of Zone

1. That the proposed subdivision for condominium purposes will comply with the proposed General Plan land use designation of General Commercial and existing zoning classification of Limited Commercial with the implementation of the proposed General Plan Amendment and Change of Zone approved by City Council.

2. That the project conforms to the State Subdivision Map Act and the State Seismic Hazards Mapping Act (SHMA) of 1999 and Chapter 28 of the Compton Municipal Code.

3. That the proposed subdivision for condominium purposes is located on a 2.45 acre site that is physically suitable for residential development and will eliminate long term blighted property and provide greater housing opportunities.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF COMPTON RESOLVES:

Section 1. That the City Council approves Tentative Tract Map No. 82807, a request to create a gated 60 unit condominium map for the property located at 930 W. Compton Blvd., Compton, subject to the following conditions:

1. That the proposed development shall be contingent on the adoption of Mitigated Negative Declaration No. 950, approval and adoption of General Plan Amendment Case No. 2021-001, approval and recordation of Tract Map No. 83807, approval of Conditional Use Permit Case No. 2021-008, and Change of Zone case No. 2021-003.
2. That in accordance with Section 28.4.23 of the Compton Municipal Code, fee in lieu of dedication of land, shall be allocated to the Department of Parks and Recreation in an amount equal to 9.7% of the fair market value of the land comprising the subdivision. That said fees shall be payable prior to issuance of certificate of occupancy for the units.
3. That the applicant and/or developer shall file with the City all deposits and bonds as the City Engineer and/or City Building Official determines as necessary to comply with Section 28-11 of the Compton Municipal Code.
4. That any required CC&R's for the subject subdivision shall be subject to review and approval by the City Attorney prior to approval of the Final Map.
5. That each unit shall have separate utility service individually metered (i.e. electric, water, gas, etc.).
6. That the applicant and/or developer shall replace and/or repair sidewalks, curbs, gutters or parkways located adjacent to the subject site along 151st Street as required and directed by the Public Works Director.
7. That grading, drainage, and hydrology plans, as required by Public Works Department, shall be submitted to and approved by the City Engineer prior to submittal of Final Map.
8. That a plan for providing water service to the subdivision, including all necessary easements and meter locations, shall be submitted to and approved by the Public Works and Water Departments prior to submission of the Final Map. Water lines, including any required upgrades shall be built to City standards.
9. That a plan for providing sewer service to the subdivision including all necessary easements and sewer line upgrades, shall be submitted to and approved by the City Engineer and that the sewer lines, including upgrades shall be built to City standards.
10. The elevations of all building pad(s) shall be above the flood level per the current L.A. CO. Flood Control Districts requirements [LACFCD]. Submit Hydrology/Hydraulics Analysis in compliance with the L.A.C.F.C.D.'s requirements for review/approval by the City.
11. The proposed development shall comply with all applicable state or federal laws and regulations including but not limited to National Pollutant Discharge Elimination System NPDES [LID, SUSMP, etc.] requirements.

12. That prior to Final Map approval, the final site and circulation plan must be reviewed and approved by the City of Compton Fire Department to ensure the development conforms with the following but not limited to: fire hydrants, fire lanes, development access point, etc.
13. That Tentative Parcel Map No. 82807 shall expire 24 months after City Council approval except as provided under the provisions of California Government Code Section 66452.6 unless extended an additional 24 months as provided for in SB 9. The subdivision proposed by Tentative Parcel Map No.82807 shall not be effective until such time that a final map is recorded.
14. That preparation and recordation of the Final Map shall meet all requirements of the Subdivision Map Act and Chapter 28 inclusive of the Compton Municipal Code.
15. That the Final Map shall be approved by City Council and recorded prior to issuance of a Building permits excluding all model units.
16. That a copy of the Final Map and copies of all improvement plans shall be submitted to the Planning Department and Public Works Department for inclusion in project files prior to approval of the Final Map by the City Engineer.
17. If an archaeological resource is encountered during ground-disturbing activities, work within 50 feet of the find must halt and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology must be contacted immediately to evaluate the find. If the discovery proves to be significant under CEQA, additional work such as data recovery excavation may be warranted.

    The on-site monitoring shall end when the project site excavation activities are completed, or sooner if the archaeologist indicates that the site has a low potential for archeological resources. During monitoring, the archaeologist shall complete monitoring logs on a daily basis. The logs will provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. Following completion of monitoring, the archaeologist shall prepare a summary memorandum of finds, their significance under CEQA and their disposition. (*Note: The California Historical Resources Information System contains a listing of qualified archaeologists at www.chrisinfo.org.)
18. The discovery of human remains is always a possibility during ground-disturbing activities. If human remains are found, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the county coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the county coroner must be notified immediately. If the human remains are determined to be prehistoric, the coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a most likely descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.
19. The Project shall locate HVAC equipment behind a noise screening wall and/or shielded from line of sight of any adjacent residential property.
20. Prior to issuance of a certificate of occupancy, install stop sign, stop bar and stop legend for outbound traffic at the 151st Street driveways.
21. The limited use area (area where a clear line of sight is maintained by not installing tall landscaping over 30 inches high or monumentation, etc.) shall be used for the purpose of prohibiting or clearing obstructions to maintain adequate sight distance along 151st Street. Limited use area to be kept clear of all obstructions over 30 inches high, including vegetation. No trees, walls, or any obstructions shall be allowed in the limited use area.
22. If potential Native American resources are uncovered during grading, the applicant shall be required to halt work within 50 feet of the find, inform the Director of Community Development or his/her designee immediately and retain a qualified professional archaeologist and an experienced and certified Native American monitor of Gabrieleño heritage to examine the material to determine whether it is a "unique cultural resource" as defined in Section 21083.2 (g) of the State CEQA Statues. If this determination is positive, the scientifically consequential information shall be fully recovered by the archaeologist and Native American monitor. Work may continue outside the area of the find. However, no further work shall occur in the immediate location of the find until all information recovery has been completed and a report concerning same filed with the County, a designated repository as appropriate and made available to interested representatives of Native American tribes that are traditionally and culturally affiliated with the Project area.

23. Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.
24. The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.
25. Construction shall occur during the hours of 7:00 AM to 7:00 PM.
26. Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.
27. Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.
28. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.
29. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging
30. Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible
31. Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal Code section 17-12.22 Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.
32. Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.
33. That construction and property development shall comply with all applicable Federal, State, County, Local Codes, including but not limited to the Compton Municipal Codes, Building Codes, Fire Codes, Housing Codes, Zoning Codes, etc.
34. That a copy of these conditions of approval shall be attached to the plan-check set of plans submitted to the Building Department for plan check as a detail sheet.
35. That the applicant or property owner shall be responsible for maintenance of the property in accordance with all applicable local ordinances.
36. If required by the Fire Department, a California licensed Professional Engineer must prepare a water pressure analysis for the project and shall be submitted for review and approval by the City Public Works/Municipal Utilities Department.
37. Prior to the issuance of the certificate of occupancy, the applicant and/or developer must implement all Fire Department requirements, which may include, but are not limited to, emergency access, parking prohibitions, fire sprinklers, on-site fire hydrants, fire escapes, fire alarms etc.
38. That all emergency and fire access points and fire lanes shall be maintained free of obstructions at all times.
39. That the applicant, property manager/HOA, or other responsible party shall be required to implement graffiti removal within three (3) days of notification by the City.
40. That the interior and exterior of the property shall be maintained free of trash and debris, and that suitable trash bins shall be maintained on site throughout the construction period.
41. That all conditions of this approval shall be recorded so that future owners/operators will be informed of rights and restrictions placed on the property while this approval is in force.
42. That the residents of each unit shall use their garage for onsite resident parking and shall not parking in the driveway. The onsite garage of each unit shall remain free at all times of any obstruction or materials preventing the parking of two full sized personal vehicles.
43. That failure, at any time, to exercise this use (development of 60 condominiums) for 24 consecutive months subsequent to the date of approval unless extended an additional 24 months as provided for in SB 9, shall render the Tentative Tract Map approval automatically null and void without benefit of public hearing or notice of action, unless extended by the City Council prior to the date of expiration.

Section 2. If any section, subsection, subdivision, sentence, clause, phrase, or portion of this resolution or the application thereof to any person or place, is for any reason held to be invalid or unconstitutional by the final decision of any court of competent jurisdiction, the remainder of this resolution shall remain in full force and effect.

Section 3. That this resolution approving Tentative Tract Map 82807 for the property located at 930 W. Compton Blvd. is hereby approved and shall be in immediate full force after the date of its final passage and adoption by the City Council.

Section 4. That a copy of this resolution shall be filed in the offices of the City Clerk, Building & Safety and Community Development Department (Planning).

Section 5. The Mayor shall sign and the City Clerk shall attest to the adoption of this resolution.

ADOPTED this _____ day of _____, 2022.

_____
MAYOR OF THE CITY OF COMPTON

ATTEST:

_____
CITY CLERK OF THE CITY OF COMPTON

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss
CITY OF COMPTON)

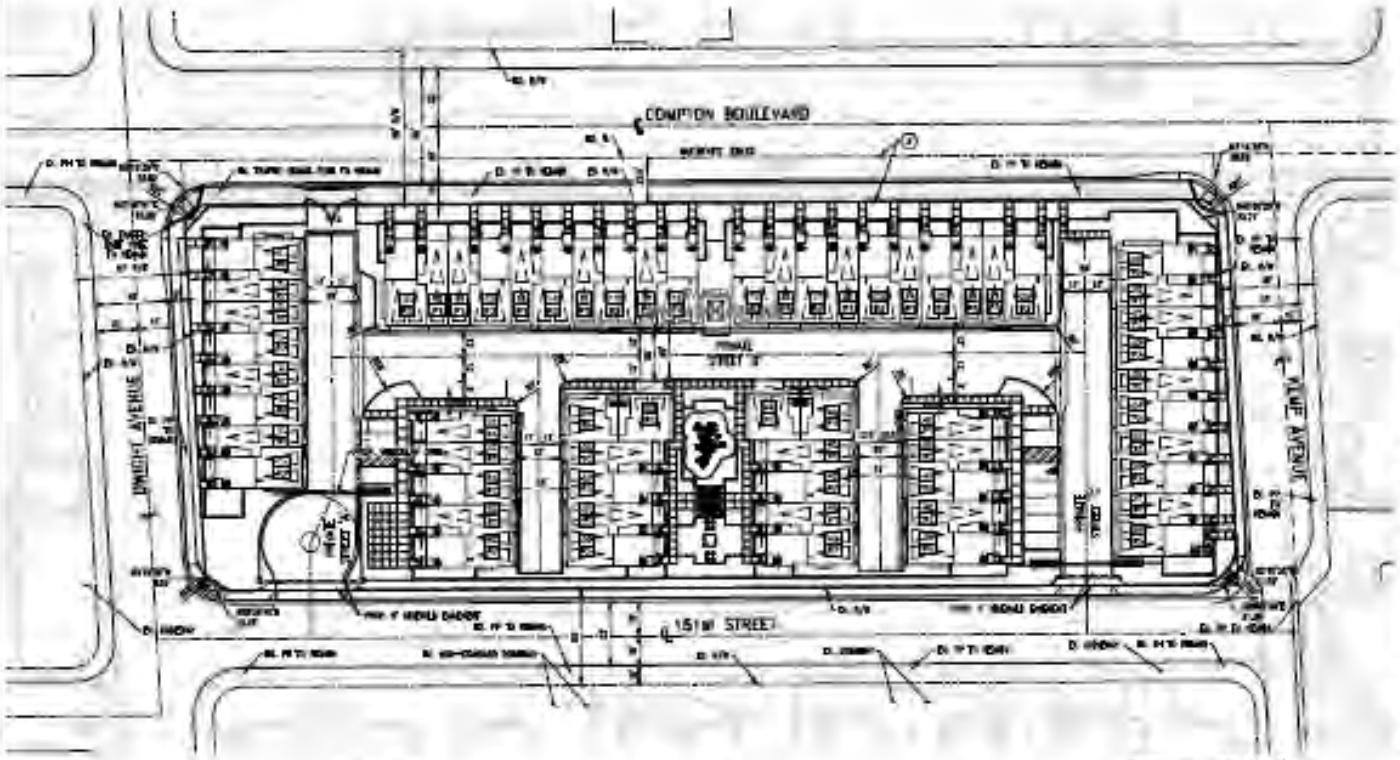
I, Alita Godwin, City Clerk of the City of Compton, do hereby certify that the foregoing resolution was adopted by the City Council of the City of Compton, signed by the Mayor and attested by the City Clerk at a regular meeting thereof held on the _____ day of _____, 2022.

That said resolution was adopted by the following vote, to wit:

AYES: COUNCIL MEMBERS-
NOES: COUNCIL MEMBERS-
ABSENT: COUNCIL MEMBERS-
ABSTAIN: COUNCIL MEMBERS-

_____
CITY CLERK OF THE CITY OF COMPTON

CITY OF COMPTON
TENTATIVE TRACT MAP No. 82807
FOR CONDOMINIUM PURPOSES



VICINITY MAP

OWNER:

CIVIL ENGINEER:

TITLE INFORMATION:

LEGAL DESCRIPTION:

SHEET INDEX:

1 TENTATIVE MAP
2 CONCEPTUAL SITE PLAN
3 SECTIONS
4 CONCEPTUAL GRADING PLAN
5 CONCEPTUAL UTILITY PLAN

ABBREVIATIONS:

LEGEND:

FLOOD NOTE:

TOPOGRAPHY NOTE:

BENCHMARK STATEMENT:

BASIS OF BEARINGS:

ZONING INFORMATION

AREA SUMMARY:

DATE OF PREPARATION:

UTILITY PROVIDERS:

USE	AGENCY	TELEPHONE
TELEPHONE	AT&T	

PREPARED BY:

TITLE SHEET
TENTATIVE TRACT MAP NO. 82807
Sheet 1 of 5

Compton Residential Development

Air Quality and Greenhouse Gas Impact Study

City of Compton, CA

Prepared for:

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City Ventures
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Prepared by:

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Date: 4/14/2021

MD ACOUSTICS
Sound Solutions for Planning and Design

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GLOSSARY OF TERMS

AQMP	Air Quality Management Plan
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
LST	Localized Significant Thresholds
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This air quality and greenhouse gas (GHG) analysis was prepared to evaluate whether the estimated criteria pollutants and GHG emissions generated from the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The project site is located at 930 W. Compton Boulevard in Compton, California, as shown in Exhibit A. The site is currently zoned as Limited Commercial (CL) and Parking (P) and classified as Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a Change of Zone to General Commercial – Limited Commercial and Planned Development (C-L-D).The proposed use is multi-family residential at approximately 24.5 dwelling units per acre. Land uses surrounding the site include single-family residential uses to the south (across 151st Street), single-family residential uses and commercial uses to the west (across Dwight Avenue), mixed-use commercial and residential uses to the north (across Compton Boulevard), and multi-family residential uses to the east (across Kemp Avenue).

1.2.2 Project Description

The Project proposes the development of the approximately 2.45-acre site with 60 single-family (attached) townhomes. Exhibit B demonstrates the site plan for the project.

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Table 1 summarizes the land use description for the Project Site.

Table 1: Land Use Summary

Land Use	Unit Amount	Size Metric
Apartments Low Rise	60	Dwelling Units
Other Asphalt Surfaces (On-Site Roadways & Guest Parking)	0.61	Acres
Other Non-Asphalt Surfaces (Landscaping & Hardscape)	0.61	Acres
Notes:		

[1] The Traffic & Parking Analysis for the Compton & Kemp Residential Project (TJW Engineering, Inc., March 3, 2021) utilized land use code Multi-Family Housing (Low-Rise) ITE 220. Therefore, the project was modeled with the closest land use code available in CalEEMod, Apartments Low Rise (ITE 221).

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are multiple-family residential land uses located approximately 35 feet southeast and 50 foot east of the project site (across Kemp Avenue). In addition, single-family residential land uses are located approximately 50 feet south of the project site (across 151st Street), 50 feet west of the project site (across Dwight Avenue), and 165 feet north of the project site.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

Construction-Source Emissions
Project construction-source emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

Project construction-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). As discussed herein, the project will comply with all applicable SCAQMD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

Operational-Source Emissions
The project operational-sourced emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the Operations-Related Local Air Quality Impacts section of this report. Additionally, project-related traffic will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots). Project operational-

source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

Project operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project's emissions meet SCAQMD regional thresholds and will not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant.

Project-related GHG emissions meet the SCAQMD draft threshold and are also considered to be less than significant. The project also complies with the goals of the CARB Scoping Plan, AB-32, and SB-32.

Mitigation Measures

A. Construction Measures

Adherence to SCAQMD Rule 403 is required.

No construction mitigation required.

B. Operational Measures

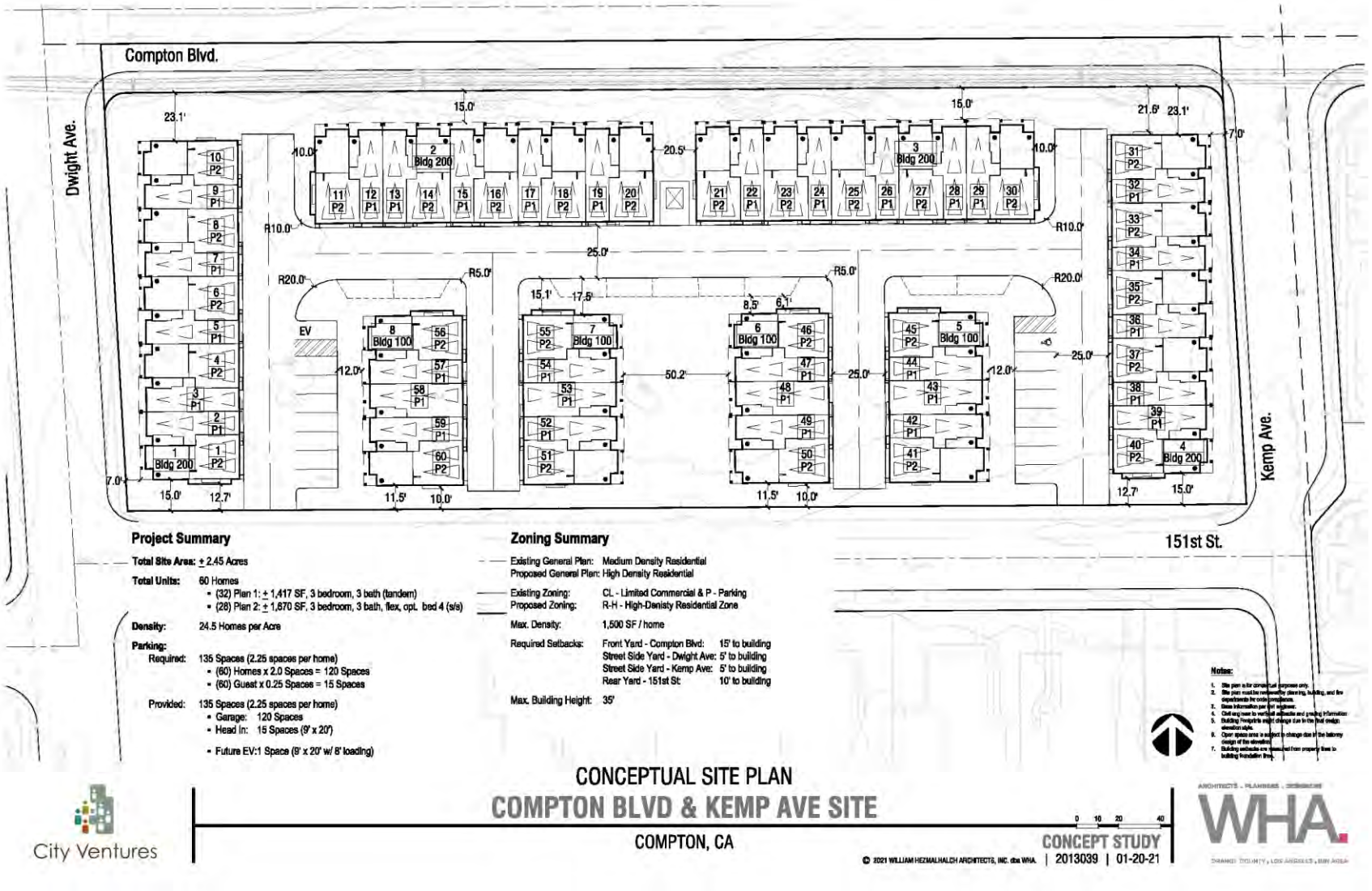
No operational mitigation required.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Regulatory Framework and Background

2.1 Air Quality Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The South Coast Air Quality Management District (SCAQMD) regulates at the air basin level.

2.1.1 National and State

The EPA is responsible for global, international, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Air Quality Standards, also known as federal standards. There are six common air pollutants, called criteria pollutants, which were identified from the provisions of the Clean Air Act of 1970.

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Particulate Matter
- Sulfur Dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to project the public health.

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. See http://www.arb.ca.gov/research/aaqs/aaqs.htm for additional information on criteria pollutants and air quality standards.

The federal and state ambient air quality standards are summarized in Table 2 and can also be found at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentrations[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O3)	1-Hour	0.09 ppm	Ultraviolet Photometry	- -	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm		0.070 ppm (147 µg/m³)		
Respirable Particulate Matter (PM10)[8]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µ/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		- -		
Fine Particulate Matter (PM2.5)[8]	24-Hour	- -	- -	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 µg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 µg/m³)	- -	Non-Dispersive Infrared Photometry (NDIR)
	8-Hour	9.0 ppm (10 µg/m³)		9 ppm (10 µg/m³)	- -	
	8-Hour (Lake Tahoe)	6 ppm (7 µg/m³)		- -	- -	
Nitrogen Dioxide (NO_2)[9]	1-Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	- -	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (357 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1-Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	- -	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	- -		- -	0.5 ppm (1300 mg/m³)	
	24-Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[10]	- -	
	Annual Arithmetic Mean	- -		0.130ppm (for certain areas)[10]	- -	
Lead[11,12]	30 Day Average	1.5 µg/m³	Atomic Absorption	- -		
	Calendar Qrtr	- -		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	- -		0.15 µg/m³		
Visibility Reducing Particles[13]	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Notes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

10. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Several pollutants listed in Table 2 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

2.1.2 South Coast Air Quality Management District

The agency for air pollution control for the South Coast Air Basin (basin) is the South Coast Air Quality Management District (SCAQMD). SCAQMD is responsible for controlling emissions primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the basin. SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the basin. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

Every three (3) years the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon.

On March 23, 2017 CARB approved the 2016 AQMP. The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air. The Plan was approved by the EPA on June 15, 2017.

The 2016 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on time. As with every AQMP, a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures is updated with the latest data and methods. The most significant air quality challenge in the Basin is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. The primary goal of this Air Quality Management Plan is to meet clean air standards and protect public health, including ensuring benefits to environmental justice and disadvantaged communities. The Plan was approved by the EPA on June 15, 2017

The 2012 AQMP built upon the approaches taken in the 2007 AQMP for the attainment of federal PM and ozone standards, and highlights the significant amount of reductions needed and the need to engage in interagency coordinated planning of mobile sources to meet all of the federal criteria pollutant standards. Compared with the 2007 AQMP, the 2012 AQMP utilized revised emissions inventory projections that use 2008 as the base year. On-road emissions are calculated using CARB EMFAC2011 emission factors and the transportation activity data provided by SCAG from their 2012 Regional Transportation Plan (2012 RTP). Off-road emissions were updated using CARB's 2011 In-Use Off-Road Fleet Inventory Model. Since the 2007 AQMP was finalized new area source categories such as liquid propane gas (LPG) transmission losses, storage tank and pipeline cleaning and degassing, and architectural colorants, were created and included in the emissions inventories. The 2012 AQMP also includes analysis of several additional sources of GHG emissions such as landfills and could also assist in reaching the GHG target goals in the AB32 Scoping Plan.

South Coast Air Quality Management District Rules

The AQMP for the basin establishes a program of rules and regulations administered by SCAQMD to obtain attainment of the state and federal standards. Some of the rules and regulations that apply to this Project include, but are not limited to, the following:

SCAQMD Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable suppression techniques are indicated below and include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas in active for 10 days or more).
- Water active sites at least three times daily.
- Cover all trucks hauling dirt, san, soil, or other loose materials, or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code (CVC) section 23114.
- Pave construction access roads at least 100 feet onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep on-site and off-iste streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets.

SCAQMD Rule 1113 governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of project must comply with Rule 1113.

Idling Diesel Vehicle Trucks – Idling for more than 5 minutes in any one location is prohibited within California borders.

Rule 2702. The SCAQMD adopted Rule 2702 on February 6, 2009, which establishes a voluntary air quality investment program from which SCAQMD can collect funds from parties that desire certified GHG emission reductions, pool those funds, and use them to purchase or fund GHG emission reduction projects within two years, unless extended by the Governing Board. Priority will be given to projects that result in co-benefit emission reductions of GHG emissions and criteria or toxic air pollutants within environmental justice areas. Further, this voluntary program may compete with the cap-and-trade program identified for implementation in CARB's Scoping Plan, or a Federal cap and trade program.

2.2 Greenhouse Gas Regulatory Setting

2.2.1 International

Many countries around the globe have made an effort to reduce GHGs since climate change is a global issue.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations. The United States participates in the United Nations Framework Convention on Climate Change (UNFCCC) (signed on March 21, 1994). Under the Convention, governments gather and share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

The 2014 UN Climate Change Conference in Lima Peru provided a unique opportunity to engage all countries to assess how developed countries are implementing actions to reduce emissions.

Kyoto Protocol. The Kyoto Protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. It has been estimated that if the commitments outlined in the Kyoto Protocol are met, global GHG emissions could be reduced by an estimated 5 percent from 1990 levels during the first commitment period of 2008 – 2012 (UNFCCC 1997). On December 8, 2012, the Doha Amendment to the Kyoto Protocol was adopted. The amendment includes: New commitments for Annex I Parties to the Kyoto Protocol who agreed to take on commitments in a second commitment period from 2013 – 2020; a revised list of greenhouse gases (GHG) to be reported on by Parties in the second commitment period; and Amendments to several articles of the Kyoto Protocol which specifically referenced issues pertaining to the first commitment period and which needed to be updated for the second commitment period.

2.2.2 National

Greenhouse Gas Endangerment. On December 2, 2009, the EPA announced that GHGs threaten the public health and welfare of the American people. The EPA also states that GHG emissions from on-road vehicles contribute to that threat. The decision was based on *Massachusetts v. EPA* (Supreme Court Case 05-1120) which argued that GHGs are air pollutants covered by the Clean Air Act and that the EPA has authority to regulate those emissions.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's

National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The second phase of the national program would involve proposing new fuel economy and greenhouse gas standards for model years 2017 – 2025 by September 1, 2011.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Mandatory Reporting of Greenhouse Gases. On January 1, 2010, the EPA started requiring large emitters of heat-trapping emissions to begin collecting GHG data under a new reporting system. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA.

Climate Adaption Plan. The EPA Plan identifies priority actions the Agency will take to incorporate considerations of climate change into its programs, policies, rules and operations to ensure they are effective under future climatic conditions. The following link provides more information on the EPA Plan: https://www.epa.gov/arc-x/planning-climate-change-adaptation

2.2.3 California

California Code of Regulations (CCR) Title 24, Part 6. CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by

fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 and 2016 standards have been approved and became effective July 1, 2014 and January 1, 2016, respectively.

California Code of Regulations (CCR) Title 24, Part 11. All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions. The following links provide more information on Title 24, Part 11:
https://www.dgs.ca.gov/BSC/Codes

https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle, during the 2016 to 2017 fiscal year. During the 2019-2020 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle.

The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The 2019 CalGreen Code includes the following changes and/or additional regulations:

Single-family homes built with the 2019 standards will use about 7 percent less energy due to energy efficiency measures versus those built under the 2016 standards. Once rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy

than those under the 2016 standards. Nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades[1].

HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the post-construction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require post-construction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of post-construction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regards to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regards to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. Some updates were also made in regards to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regards to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many

[1] https://ww2.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf

jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official. The following link provides more on CalGreen Building Standards:
http://www.bsc.ca.gov/Home/CALGreen.aspx

Executive Order S-3-05. California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following targets:

- By 2010, California shall reduce greenhouse gas emissions to 2000 levels;
- By 2020, California shall reduce greenhouse gas emissions to 1990 levels.
- By 2050, California shall reduce greenhouse gas emissions to 80 percent below 1990 levels.

The executive order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

Executive Order S-01-07. Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or

blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

SB 97. Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Resource Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance are provided and no specific mitigation measures are identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project's energy use and energy efficiency potential.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year

2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent (MMTCO2e) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO2e. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 MMTCO2e.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 MMTCO2e by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 (California Air Resources Board 2008). The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, Including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and

- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[4]

Senate Bill 100. Senate Bill 100 (SB 100) requires 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045. SB 100 was adopted September 2018.

The interim thresholds from prior Senate Bills and Executive Orders would also remain in effect. These include Senate Bill 1078 (SB 1078), which requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. Senate Bill 107 (SB 107) which changed the target date to 2010. Executive Order S-14-08, which was signed on November 2008 and expanded the State's Renewable Energy Standard to 33 percent renewable energy by 2020. Executive Order S-21-09 directed the CARB to adopt regulations by July 31, 2010 to enforce S-14-08. Senate Bill X1-2 codifies the 33 percent renewable energy requirement by 2020.

SB 375. Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG), which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 13 percent below 2005 per capita GHG emissions levels by 2035. On April 4, 2012, SCAG adopted the 2012-2035 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), which meets the CARB emission reduction requirements. The Housing Element Update is required by the State to be completed within 18 months after RTP/SCS adoption or by October 2013.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Assembly Bill 939 and Senate Bill 1374. Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resource Agency 2009) was adopted, which is the "… first statewide, multi-sector, region-specific, and information-based climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15. Executive Order B-30-15, establishing a new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030, was signed by Governor Brown in April 2015.

Executive Order B-29-15. Executive Order B-29-15, mandates a statewide 25% reduction in potable water usage and was signed into law on April 1, 2015.

Executive Order B-37-16. Executive Order B-37-16, continuing the State's adopted water reduction, was signed into law on May 9, 2016. The water reduction builds off the mandatory 25% reduction called for in EO B-29-15.

2.2.4 South Coast Air Quality Management District

The Project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions

in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

SCAQMD Threshold Development

The SCAQMD has established recommended significance thresholds for greenhouse gases for local lead agency consideration ("SCAQMD draft local agency threshold"). SCAQMD has published a five-tiered draft GHG threshold which includes a 10,000 metric ton of CO_2e per year for stationary/industrial sources and 3,000 metric tons of CO_2e per year significance threshold for residential/commercial projects (South Coast Air Quality Management District 2010c). Tier 3 is anticipated to be the primary tier by which the SCAQMD will determine significance for projects. The Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90-precent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to CEQA analysis. The 90-percent capture rate GHG significance screening level in Tier 3 for stationary sources was derived using the SCAQMD's annual Emissions Reporting Program.

The current draft thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent. A project's construction emissions are averaged over 30 years and are added to a project's operational emissions. If a project's emissions are under one of the following screening thresholds, then the project is less than significant:
  - All land use types: 3,000 MTCO2e per year
  - Based on land use types: residential is 3,500 MTCO2e per year; commercial is 1,400 MTCO2e per year; and mixed use is 3,000 MTCO2e per year
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual by a certain percentage; this percentage is currently undefined
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: Year 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO2e/SP/year for projects and 6.6 MTCO2e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO2e/SP/year for projects and 4.1 MTCO2e/SP/year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

2.2.5 City of Compton

City of Compton General Plan

Local jurisdictions, such as the City of Compton, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the 2016 AQMP. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In accordance with the CEQA requirements, the City does not, however, have the expertise to develop plans, programs, procedures, and methodologies to ensure that air quality within the City and region will meet federal and state standards. Instead, the City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

The Draft Compton General Plan 2030 Air Quality Element, contains the following air quality-related goals and policies that are applicable to the proposed project:

Goal 1 Reduce automobile use.

Policies

1.2 The City of Compton will implement programs that reduce automobile use by City residents.

1.4 The City of Compton will increase ridership on the local transit system by making it more user-friendly by providing safe, attractive places to wait that include route maps.

Goal 2 Reduce peak-hour roadway congestion.

Goal 3 Reduce emissions associated with vehicle miles traveled by providing a balance of jobs and housing.

Goal 4 Reduce emissions associated with energy consumption.

Policies

4.2 The City of Compton will encourage incorporation of energy features, including passive solar, in the construction and rehabilitation of new and existing structures.

4.3 The City of Compton will support recycling programs which reduce emissions associated with manufacturing and waste disposal.

Goal 5 Reduce air pollution emissions and impacts through site planning and building design.

Policies

5.1 The City of Compton will support the use of low polluting construction materials and coatings.

5.2 The City of Compton will provide, to the maximum extent feasible, for the separation of sensitive receptors, such as schools and hospitals, from sources of toxic emissions.

5.4 The City of Compton will standardize air quality review procedures for all new developments.

5.5 The City of Compton will reduce the exposure of sensitive receptors to dust and odors to the maximum extent feasible.

City of Compton Climate Action Plan

The City of Compton does not currently have a Climate Action Plan.

Therefore, to determine whether the project's GHG emissions are significant, this analysis uses the SCAQMD draft local agency tier 3 screening threshold of 3,000 MTCO2e per year for all land use types.

The project will be subject to the latest requirements of the California Green Building and Title 24 Energy Efficiency Standards (currently 2019) which would reduce project-related greenhouse gas emissions.

3.0 Setting

3.1 Existing Physical Setting

The project site is located in the City of Compton, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

3.1.1 Local Climate and Meteorology

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas where the project site is located. The majority of the annual rainfall in the basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thunderstorms in the coastal regions and slightly heavier showers in the eastern portion of the basin along the coastal side of the mountains. Year-to-year patterns in rainfall are unpredictable because of fluctuations in the weather.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers are often periods of hazy visibility and occasionally unhealthful air. Strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high

enough to pass over the mountains and ultimately dilute the smog cloudtrap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for the City of Torrance, closest monitoring station to the project site, are in Table 3. Table 3 shows that August is typically the warmest month and January and December are typically the coolest months. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table 3: Meteorological Summary

Month	Temperature (˚F)		Average Precipitation (inches)
	Average High	Average Low	
January	66.5	46.2	3.19
February	66.8	47.7	3.68
March	68.1	49.4	2.33
April	70.6	51.5	0.82
May	72.3	55.1	0.26
June	74.6	58.0	0.07
July	77.8	61.3	0.05
August	78.8	61.9	0.03
September	78.1	60.5	0.16
October	75.4	56.5	0.62
November	68.4	48.9	1.16
December	66.8	46.3	2.29
Annual Average	**72.2**	**53.8**	**14.6**

Notes:
[1] Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8973

3.1.2 Local Air Quality

The SCAQMD has divided the South Coast Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located in Compton however ambient air quality data was utilized from both Compton and Long Beach (Areas 12 and 4) monitoring stations. The nearest air monitoring station to the project site is the Compton-700 North

Bullis Road Station (Compton Station). The Compton Station is located approximately 1.97 miles northeast of the project site, however this location does not provide all ambient weather data. The next nearest monitoring station to the project site is the Long Beach-2425 Webster Street Station (Long Beach Station). The Long Beach Station is located approximately 6.56 miles southeast of the project site. The Long Beach Station was used to provide the existing PM2.5 levels. Additional data was also pulled from the SCAQMD historical data for the South Central LA County (Area 12) for both sulfur dioxide and carbon monoxide to provide the existing levels. Table 4 presents the monitored pollutant levels within the vicinity. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

Table 4: Local Area Air Quality Levels from the Compton/Long Beach Monitoring Stations

Pollutant (Standard)[2]	Year		
	2017	**2018**	**2019**
Ozone:			
Maximum 1-Hour Concentration (ppm)	0.092	0.075	0.100
Days > CAAQS (0.09 ppm)	0	0	**1**
Maximum 8-Hour Concentration (ppm)	0.076	0.064	0.079
Days > NAAQS (0.07 ppm)	**5**	0	**1**
Days > CAAQS (0.070 ppm)	**5**	0	**1**
Carbon Monoxide:			
Maximum 1-Hour Concentration (ppm)	6.1	4.7	3.8
Days > NAAQS (20 ppm)	0	0	0
Maximum 8-Hour Concentration (ppm)	4.60	3.50	3.2
Days > NAAQS (9 ppm)	0	0	0
Nitrogen Dioxide:			
Maximum 1-Hour Concentration (ppm)	0.099	0.068	0.070
Days > NAAQS (0.25 ppm)	0	0	0
Sulfur Dioxide:			
Maximum 24-Hour Concentration (ppm)	--[3]	--[3]	--[3]
Days > CAAQS (0.04 ppm)	0	0	0
Inhalable Particulates (PM10):			
Maximum 24-Hour Concentration (ug/m^3)	79.0	84.0	155.8
Days > NAAQS (150 ug/m^3)	0	0	0
Days > CAAQS (50 ug/m^3)	**10**	**4**	**4**
Annual Average (ug/m^3)	33.5	32.7	29.7
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	**Yes**	**Yes**	**Yes**
Ultra-Fine Particulates (PM2.5):			
Maximum 24-Hour Concentration (ug/m^3)	66.7	49.4	39.5
Days > NAAQS (35 ug/m^3)	**5**	**2**	**1**
Annual Average (ug/m^3)	13.2	13.2	10.8
Annual > NAAQS (15 ug/m3)	No	No	No
Annual > CAAQS (12 ug/m^3)	**Yes**	**Yes**	No

[1] Source: obtained from https://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year and /or https://www.arb.ca.gov/adam/topfour/topfour1.php

[2] CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million

[3] No data available.

The monitoring data presented in Table 4 shows that ozone and particulate matter (PM10 and PM2.5) are the air pollutants of primary concern in the project area, which are detailed below.

Ozone
During the 2017 to 2019 monitoring period, the State 1-hour concentration standard for ozone has been exceeded for one day in 2019 at the Compton Station. Both the Federal and the State 8-hour ozone standard (0.07 ppm) have been exceeded between one and five days each year over the past three years at the Compton Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

Carbon Monoxide
CO is another important pollutant that is due mainly to motor vehicles. The South Central LA County Area did not record an exceedance of the state or federal 1-hour or 8-hour CO standards for the last three years.

Nitrogen Dioxide
The Compton Station did not record an exceedance of the State or Federal NO_2 standards for the last three years.

Sulfur Dioxide
The South Central LA County Area did not record an exceedance of the State SO_2 standards for the last three years.

Particulate Matter
During the 2017 to 2019 monitoring period, the State 24-hour concentration standard for PM10 was exceeded between four and ten days each year at the Long Beach Station. Over the same time period the Federal 24-hour and Federal annual standards for PM10 have not been exceeded at the Long Beach Station.

The Federal 24-hour standard for PM2.5 was exceeded between one and five days each year during the 2017 to 2019 monitoring period at the Compton Station.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may

experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

3.1.3 Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard. Table 5 lists the attainment status for the criteria pollutants in the basin.

Table 5: South Coast Air Basin Attainment Status

Pollutant	Averaging Time	National Standards[1]	Attainment Date[2]	California Standards[3]
1979 1-Hour Ozone[4]	1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 Originally 11/15/2010 (Not attained4)	Extreme Nonattainment
1997 8-Hour Ozone[5]	8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024	Nonattainment
2008 8-Hour Ozone	8-Hour (0.075 ppm)	Nonattainment (Extreme)	12/31/2032	
2015 8-Hour Ozone	8-Hour (0.070 ppm)	Designations Pending	~2037	
CO	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (Attained)	Maintenance
NO_2[6]	1-Hour (100 ppb) Annual (0.053 ppm)	Unclassifiable/Attainment Attainment (Maintenance)	N/A (Attained) 9/22/1998 (Attained)	Attainment
SO_2[7]	1-Hour (75 ppb)	Designations Pending (expect Uncl./Attainment)	N/A (Attained)	Attainment
	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (Attained)	

PM10	24-Hour (150 µg/m^3)	Nonattainment (Maintenance)8	7/26/2013 (Attained)8	Nonattainment
PM2.5	24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019	Unclassified
Lead	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)[9]	12/31/2015	Nonattainment (Partial)[9]

Notes:

[1] Obtained from http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassified/Attainment or Unclassifiable.

[2] A design value below the NAAQS for data through the full year or smog season prior to the attainment date is typically required for attainment demonstration.

[3] Obtained from http://www.arb.ca.gov/desig/adm/adm.htm.

[4] 1-hour O3 standard (0.12 ppm) was revoked, effective June 15, 2005 ; however, the Basin has not attained this standard based on 2008-2010 data and is still subject to anti-backsliding requirements.

[5] 1997 8-hour O_3 standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the 1997 O3 standard and most related implementation rules remain in place until the 1997 standard is revoked by U.S. EPA.

[6] New NO_2 1-hour standard, effective August 2, 2010; attainment designations June, 2013; annual NO_2 standard retained.

[7] The 1971 annual and 24-hour SO_2 standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO_2 1-hour standard. Area designations expected in 2012, with SSAB designated Unclassifiable/Attainment.

[8] Annual PM10 standard was revoked, effective December 18, 2006; 24-hour PM10 NAAQS deadline was 12/31/2006; SCAQMD request for attainment re-designation and PM10 maintenance plan was approved by U.S. EPA on June 26, 2013, effective July 26, 2013.

[9] Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors. Expect redesignation to attainment based on current monitoring data.

3.2 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and nitrous oxide (NO_2) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. Table 6 provides a description of each of the greenhouse gases and their global warming potential.

Additional information is available: https://www.arb.ca.gov/cc/inventory/data/data.htm

<Table 6 on next page>

Table 6: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (N_20),also known as laughing gas is a colorless gas. It has a lifetime of 114 years. Its global warming potential is 298.	Microbial processes in soil and water, fuel combustion, and industrial processes. In addition to agricultural sources, some industrial processes (nylon production, nitric acid production) also emit N_20.
Methane	Methane (CH_4) is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 25.	A natural source of CH_4 is from the decay of organic matter. Methane is extracted from geological deposits (natural gas fields). Other sources are from the decay of organic material in landfills, fermentation of manure, and cattle farming.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chlorofluorocarbons	CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). They are gases formed synthetically by replacing all hydrogen atoms in methane or methane with chlorine and/or fluorine atoms. Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone, therefore their production was stopped as required by the Montreal Protocol.
Hydrofluorocarbons	Hydrofluorocarbons (HFCs) are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons (PFCs) have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above the Earth's surface. They have a lifetime 10,000 to 50,000 years. They have a global warming potential range of 6,200 to 9,500.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Notes:

1. Sources: Intergovernmental Panel on Climate Change 2014a and Intergovernmental Panel on Climate Change 2014b. https://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html

4.0 Modeling Parameters and Assumptions

4.1 Construction

Typical emission rates from construction activities were obtained from CalEEMod Version 2016.3.2 CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2014 computer program to calculate the emission rates specific for the southern portion of Los Angeles County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2014 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of the proposed project as indicated in Table 1. Construction is anticipated to begin early 2022 and be completed by late 2023; therefore, construction was estimated to start no sooner than January 2022 and end by mid-December 2023. The phases of the construction activities which have been analyzed below are: 1) grading, 2) building, 3) paving, and 4) architectural coating. For details on construction modeling and construction equipment for each phase, please see Appendix A.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent, stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the Project area (approximately 2.45 acres) and the fact that the project won't export more than 5,000 cubic yards of material a day a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD's Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth moving operations would occur. Compliance with Rule 403 is required.

4.2 Operations

Operational or long-term emissions occur over the life of the Project. Both mobile and area sources generate operational emissions. Area source emissions arise from consumer product usage, heaters that consume natural gas, gasoline-powered landscape equipment, and architectural coatings (painting). Mobile source emissions from motor vehicles are the largest single long-term source of air pollutants from the operation of the Project. Small amounts of emissions would also occur from area sources such as the consumption of natural gas for heating, hearths, from landscaping emissions, and consumer product usage. The operational emissions were estimated using the latest version of CalEEMod.

Mobile Sources
Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project are based upon the trip generation rates given in the project-specific traffic and parking analysis (TJW Engineering, Inc.) which uses the ITE 10th Trip Generation Manual. The traffic and parking analysis shows a trip generation rate of 7.32 trips per dwelling unit.

The program then applies the emission factors for each trip which is provided by the EMFAC2014 model to determine the vehicular traffic pollutant emissions. The CalEEMod default trip lengths were used in this analysis. Please see CalEEMod output comments sections in Appendix A and B for details.

Area Sources
Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less and the CalEEMod model default was utilized.

Energy Usage
2016.3.2 CalEEMod defaults were utilized.

4.3 Localized Construction Analysis

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (South Coast Air Quality Management District 2011b). CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. In order to compare CalEEMod reported emissions against the localized significance threshold lookup tables, the CEQA document should contain in its project design features or its mitigation measures the following parameters:

1. The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions.
2. The maximum number of acres disturbed on the peak day.
3. Any emission control devices added onto off-road equipment.
4. Specific dust suppression techniques used on the day of construction activity with maximum emissions.

The construction equipment showing the equipment associated with the maximum area of disturbance is shown in Table 7.

Table 7: Maximum Number of Acres Disturbed Per Day[1]

Activity	Equipment	Number	Acres/8hr-day	Total Acres
	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Tractors/Loaders/Backhoes	2	0.5	1
Total Per Phase				2.0

Notes:
[1.] Source: CalEEMod output and South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2

As shown in Table 7, the maximum number of acres disturbed in a day would be 2 acres.

The local air quality emissions from construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet). According to LST methodology, any receptor located closer than 25 meters should be based on the 25 meter threshold. The closest receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site.

4.4 Localized Operational Analysis

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

5.0 Thresholds of Significance

5.1 Air Quality Thresholds of Significance

5.1.1 CEQA Guidelines for Air Quality

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard;

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. There are daily emission thresholds for construction and operation of a proposed project in the basin.

5.1.2 Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Projects in the basin with construction-related emissions that exceed any of the emission thresholds are considered to be significant under SCAQMD guidelines.

5.1.3 Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Local Microscale Concentration Standards The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet), for construction.

5.2 Greenhouse Gas Thresholds of Significance

5.2.1 CEQA Guidelines for Greenhouse Gas

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

However, despite this, currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency. As previously discussed (Section 2.2.4 of this report), SCAQMD has drafted interim thresholds. The screening threshold of 3,000 MTCO2e per year for all land uses was used in this analysis.

6.0 Air Quality Emissions Impact

6.1 Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the project by default is required to incorporate these rules during construction.

6.1.1 Regional Construction Emissions

The construction emissions for the project would not exceed the SCAQMD's daily emission thresholds at the regional level as demonstrated in Table 8, and therefore would be considered less than significant.

Table 8: Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Grading						
On-Site[2]	1.54	16.98	9.22	0.02	3.30	2.00
Off-Site[3]	0.04	0.03	0.37	0.00	0.11	0.03
Total	**1.59**	**17.01**	**9.59**	**0.02**	**3.41**	**2.03**
Building Construction						
On-Site[2]	1.86	14.60	14.35	0.03	0.70	0.67
Off-Site[3]	0.34	1.58	2.81	0.01	0.84	0.23
Total	**2.20**	**16.18**	**17.17**	**0.04**	**1.54**	**0.90**
Paving						
On-Site[2]	0.96	8.61	11.68	0.02	0.43	0.40
Off-Site[3]	0.06	0.04	0.51	0.00	0.17	0.05
Total	**1.02**	**8.65**	**12.20**	**0.02**	**0.60**	**0.45**
Architectural Coating						
On-Site[2]	29.75	1.30	1.81	0.00	0.07	0.07
Off-Site[3]	0.05	0.03	0.44	0.00	0.15	0.04
Total	**29.80**	**1.34**	**2.26**	**0.00**	**0.22**	**0.11**
Total of overlapping phases[4]	**33.02**	**26.17**	**31.62**	**0.06**	**2.36**	**1.46**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.
[4] Construction, architectural coatings and paving phases may overlap.

6.1.2 Localized Construction Emissions

The data provided in Table 9 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Table 9: Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Grading	16.98	9.22	3.30	2.00
Building Construction	14.60	14.35	0.70	0.67
Paving	8.61	11.68	0.43	0.40
Architectural Coating	1.30	1.81	0.07	0.07
Total of overlapping phases	24.52	27.85	1.21	1.14
SCAQMD Threshold for 25 meters (82 feet) or less[2]	**65**	**346**	**7**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for two acres in South Central Los Angeles County Source Receptor Area (SRA 12). Project will disturb a maximum of 2 acres per day (see Table 7).
[2] The nearest sensitive receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site; however, according to LST methodology any receptor located closer than 25 meters should be based on the 25 meter threshold.

6.1.3 Odors

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected cease upon the drying or hardening of the odor producing materials. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the on-going operations of the proposed project would include odor emissions from trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 no significant impact related to odors would occur during the on-going operations of the proposed project.

6.1.4 Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment

(HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed project would not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project.

6.2 Operational Air Quality Emissions Impact

6.2.1 Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEEMod model. The operating emissions were based on year 2023, which is the anticipated opening year for the project. The summer and winter emissions created by the proposed project's long-term operations were calculated and the highest emissions from either summer or winter are summarized in Table 10.

Table 10: Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	2.26	0.95	5.33	0.01	0.10	0.10
Energy Usage[3]	0.03	0.25	0.11	0.00	0.02	0.02
Mobile Sources[4]	0.72	3.08	10.01	0.04	3.22	0.88
Total Emissions	**3.01**	**4.28**	**15.45**	**0.05**	**3.34**	**1.00**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

Table 10 provides the project's unmitigated operational emissions. Table 10 shows that the project does not exceed the SCAQMD daily emission threshold and regional operational emissions are considered to be less than significant.

6.2.2 Localized Operational Emissions

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential

to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

As stated previously, according to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

6.3 CO Hot Spot Emissions

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards which were presented in above in Section 5.0.

To determine if the proposed project could cause emission levels in excess of the CO standards discussed above in Section 5.0, a sensitivity analysis is typically conducted to determine the potential for CO "hot spots" at a number of intersections in the general project vicinity. Because of reduced speeds and vehicle queuing, "hot spots" potentially can occur at high traffic volume intersections with a Level of Service E or worse.

Micro-scale air quality emissions have traditionally been analyzed in environmental documents where the air basin was a non-attainment area for CO. However, the SCAQMD has demonstrated in the CO attainment redesignation request to EPA that there are no "hot spots" anywhere in the air basin, even at intersections with much higher volumes, much worse congestion, and much higher background CO levels than anywhere in Riverside County. If the worst-case intersections in the air basin have no "hot spot" potential, any local impacts will be below thresholds.

The project-specific traffic and parking analysis (TJW Engineering, Inc.) showed that the project would generate a maximum of approximately 439 vehicle trips per day. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. Therefore, as the project only includes a maximum of 439 daily vehicle trips, no CO "hot spot" modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

6.4 Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would

extend beyond any local projects and when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The project does not exceed any of the thresholds of significance and therefore is considered less than significant.

6.5 Air Quality Compliance

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD Air Quality Management Plan (AQMP). Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis contained in this Air Analysis, neither short-term construction impacts, nor long-term operations will result in significant impacts based on the SCAQMD regional and local thresholds of significance.

Therefore, the proposed project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2016, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the City of Compton Land Use Plan defines the assumptions that are represented in the AQMP.

The proposed project is currently zoned as Limited Commercial (CL) and Parking (P) and has a land use classification of Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a General Plan Amendment to General Commercial (GC) and a Change of Zone to Limited Commercial and Planned Development Zones (C-L-D). The project is proposing to develop the approximately 2.45-acre project site with 60 single-family (attached) townhomes at 24.5 dwelling units per acre. Therefore, the proposed project is not currently consistent with the existing land use designation and zoning.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and sub-regional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium- Density and High-Density Residential categories is also allowed in General Commercial. The High-Density Residential General Plan land use designation permits 17.1 to 34 dwelling unit per net acre; therefore, the as the project is proposing 24 dwelling units per acre it would be consistent with the proposed General Commercial land use designation.

Therefore, once the General Plan Amendment and Change of Zone is approved, the project would be consistent with the City's land use and zoning designations. Although the project may initially result in an inconsistency with the AQMP on paper, the inconsistency would not necessarily constitute a conflict with the AQMP. The SCAQMD acknowledges that strict consistency with all aspects of the AQMP is not required in order to make a finding of no conflict. Rather, a project is considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The project would implement contemporary energy-efficient technologies and regulatory/operational programs required per Title 24, CalGreen and City standards. Generally, compliance with SCAQMD emissions reductions and

control requirements also act to reduce project air pollutant emissions. Project compliance with regulatory/operational programs is consistent with and supports overarching AQMP air pollution reduction strategies. Project support of these strategies promotes timely attainment of AQMP air quality standards and would bring the project into conformance with the AQMP. Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

7.0 Greenhouse Gas Impact Analysis

7.1 Construction Greenhouse Gas Emissions Impact

The greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 11. The emissions are from all phases of construction. The total construction emissions amortized over a period of 30 years are estimated at 24.54 metric tons of CO_2e per year. Annual CalEEMod output calculations are provided in Appendix B.

Table 11: Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	Onsite	**Offsite**	**Total**
Grading	9.1	0.5	9.6
Building Construction[2]	480.0	225.7	705.7
Paving	15.6	1.4	17.0
Coating	2.6	1.2	3.8
Total	507.3	228.8	736.1
Averaged over 30 years[2]	17	8	24.54

Notes:
[1.] $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane and nitrous oxide).
[2.] The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.
* CalEEMod output (Appendix B)

7.2 Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The unmitigated operational emissions for the project are 833.41 metric tons of CO_2e per year as shown in Table 12. Therefore, the project's GHG emissions do not exceed the SCAQMD draft threshold of 3,000 metric tons CO2e per year for all land uses. Therefore, the proposed project's GHG emissions are considered to be less than significant.

<Table 12 next page>

Table 12: Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	13.98	13.98	0.00	0.00	14.08
Energy Usage[3]	0.00	133.38	133.38	0.00	0.00	133.98
Mobile Sources[4]	0.00	615.82	615.82	0.03	0.00	616.58
Solid Waste[5]	5.60	0.00	5.60	0.33	0.00	13.88
Water[6]	1.24	24.94	26.18	0.13	0.00	30.35
Construction[7]	0.00	24.45	24.45	0.00	0.00	24.54
Total Emissions	6.84	812.57	819.42	0.50	0.01	**833.41**
SCAQMD Draft Screening Threshold						**3,000**
Exceeds Threshold?						**No**

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consist of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30 year amortization rate.

7.3 Greenhouse Gas Plan Consistency

The proposed project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. As stated previously, the City of Compton does not currently have a Climate Action Plan; therefore, the project has been compared to the goals of the CARB Scoping Plan and the GHG emissions reduction goal of SB-32.

Scoping Plan

Emission reductions in California alone would not be able to stabilize the concentration of greenhouse gases in the earth's atmosphere. However, California's actions set an example and drive progress towards a reduction in greenhouse gases elsewhere. If other states and countries were to follow California's emission reduction targets, this could avoid medium or higher ranges of global temperature increases. Thus, severe consequences of climate change could also be avoided.

The ARB Board approved a Climate Change Scoping Plan in December 2008. The Scoping Plan outlines the State's strategy to achieve the 2020 greenhouse gas emissions limit. The Scoping Plan "proposes a comprehensive set of actions designed to reduce overall greenhouse gas emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (California Air Resources Board 2008). The measures in the Scoping Plan have been in place since 2012.

This Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of

14 tons of carbon dioxide for every man, woman and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This *Update* identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB release the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals, and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and Trade Program, which constrains and reduces emissions at covered sources.

As the latest, 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in Table 13. As shown in Table 13, the project is consistent with the applicable strategies and would result in a less than significant impact.

SB-32

SB-32 requires the state board to ensure that statewide greenhouse gas emissions are reduced to 40 percent below the 1990 level by 2030. SCAQMD's thresholds used Executive Order S-3-05 goal as the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

As the SCAQMD uses EO S-3-05 as the basis for their screening level, and EO S-3-05 includes the long-term goal to reduce greenhouse gas emissions to 80 percent below 1990 levels by 2050, the project would also be consistent with the goal of SB 32 (to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030). Therefore, projects that meet the current interim emissions targets/thresholds established by SCAQMD would also be on track to meet the reduction targets for 2030. Furthermore, all of the post 2020 reductions in GHG emissions are addressed via regulatory requirements at the State level and the project will be required to comply with these regulations as they come into effect.

Therefore, as the project's emissions do not exceed the SCAQMD draft GHG emissions threshold of 3,000 metric tons CO2e per year, the project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the project will comply with applicable Green Building Standards and City of Compton's policies regarding sustainability (as dictated by the City's General Plan).

<Table 13 next page>

Table 13: Project Consistency with CARB Scoping Plan Policies and Measures[1]

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	Consistent. The project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	Consistent. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.

Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Consistent. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Notes: 1. Source: CARB Scoping Plan (2008 and 2017)	

8.0 References

The following references were used in the preparing of this analysis.

California Air Resources Board

2008 Resolution 08-43

2008 Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2008 Climate Change Scoping Plan, a framework for change.

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

2013 Revised Emission Factors for Gasoline Marketing Operations at California Gasoline Dispensing Facilities

2014 First Update to the Climate Change Scoping Plan, Building on the Framework Pursuant to AB32, the California Global Warming Solutions Act of 2006. May.

2017 California's 2017 Climate Change Scoping Plan. November.

2021 Historical Air Quality, Top 4 Summary

City of Compton

2011 Draft City of Compton 2030 General Plan. January.

Governor's Office of Planning and Research

2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2009 CEQA Guideline Sections to be Added or Amended

2018 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

1993 CEQA Air Quality Handbook

2005 Rule 403 Fugitive Dust
2007 2007 Air Quality Management Plan

2008 Final Localized Significance Threshold Methodology, Revised

2011 Appendix A Calculation Details for CalEEMod

2012 Final 2012 Air Quality Management Plan

2016 Final 2016 Air Quality Management Plan

TJW Engineering, Inc.
2021 Traffic & Parking Analysis for the Compton & Kemp Residential Project, City of Compton, CA. March 3.

Appendix A:

CalEEMod Daily Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057
Total	**3.0117**	**4.2005**	**15.4450**	**0.0455**	**3.1914**	**0.1475**	**3.3389**	**0.8540**	**0.1456**	**0.9996**	**0.0000**	**5,331.8559**	**5,331.8559**	**0.2202**	**0.0268**	**5,345.3348**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Total	**2.8563**	**3.4330**	**11.3316**	**0.0284**	**1.6720**	**0.1355**	**1.8075**	**0.4474**	**0.1344**	**0.5818**	**0.0000**	**3,591.9605**	**3,591.9605**	**0.1441**	**0.0268**	**3,603.5366**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.16**	**18.27**	**26.63**	**37.63**	**47.61**	**8.15**	**45.87**	**47.61**	**7.69**	**41.80**	**0.00**	**32.63**	**32.63**	**34.57**	**0.00**	**32.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Unmitigated	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

01632102 Compton Residential Development

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590
Total	**2.9889**	**4.2783**	**14.8995**	**0.0437**	**3.1914**	**0.1476**	**3.3390**	**0.8540**	**0.1457**	**0.9997**	**0.0000**	**5,147.0312**	**5,147.0312**	**0.2193**	**0.0268**	**5,160.4881**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Total	**2.8373**	**3.4621**	**11.1737**	**0.0273**	**1.6720**	**0.1356**	**1.8076**	**0.4474**	**0.1345**	**0.5819**	**0.0000**	**3,485.7810**	**3,485.7810**	**0.1451**	**0.0268**	**3,497.3821**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.07**	**19.08**	**25.01**	**37.38**	**47.61**	**8.15**	**45.86**	**47.61**	**7.68**	**41.79**	**0.00**	**32.28**	**32.28**	**33.85**	**0.00**	**32.23**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Unmitigated	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B:

CalEEMod Annual Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1355	0.0925	0.2281	0.0444	0.0885	0.1329	0.0000	393.6585	393.6585	0.0579	0.0000	395.1067
2023	0.5178	1.6610	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7079	339.7079	0.0501	0.0000	340.9591
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1355**	**0.0925**	**0.2281**	**0.0444**	**0.0885**	**0.1329**	**0.0000**	**393.6585**	**393.6585**	**0.0579**	**0.0000**	**395.1067**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1155	0.0925	0.2081	0.0341	0.0885	0.1227	0.0000	393.6582	393.6582	0.0579	0.0000	395.1064
2023	0.5178	1.6609	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7076	339.7076	0.0501	0.0000	340.9588
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1155**	**0.0925**	**0.2081**	**0.0341**	**0.0885**	**0.1227**	**0.0000**	**393.6582**	**393.6582**	**0.0579**	**0.0000**	**395.1064**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**8.90**	**0.00**	**5.16**	**15.05**	**0.00**	**4.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.5919	0.5919
2	4-1-2022	6-30-2022	0.5957	0.5957
3	7-1-2022	9-30-2022	0.6022	0.6022
4	10-1-2022	12-31-2022	0.6038	0.6038
5	1-1-2023	3-31-2023	0.5423	0.5423
6	4-1-2023	6-30-2023	0.5469	0.5469
7	7-1-2023	9-30-2023	0.5529	0.5529
		Highest	0.6038	0.6038

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769
Waste						0.0000	0.0000		0.0000	0.0000	5.6026	0.0000	5.6026	0.3311	0.0000	13.8801
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.5159**	**0.6334**	**2.3919**	**7.0500e-003**	**0.5696**	**0.0130**	**0.5826**	**0.1527**	**0.0127**	**0.1654**	**6.8428**	**788.1275**	**794.9702**	**0.4952**	**5.1100e-003**	**808.8723**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Waste						0.0000	0.0000		0.0000	0.0000	1.4006	0.0000	1.4006	0.0828	0.0000	3.4700
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.4880**	**0.4817**	**1.6954**	**4.0500e-003**	**0.2984**	**0.0108**	**0.3093**	**0.0800**	**0.0106**	**0.0906**	**2.6409**	**510.6904**	**513.3313**	**0.2345**	**5.1100e-003**	**520.7172**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.39**	**23.96**	**29.12**	**42.55**	**47.61**	**16.82**	**46.92**	**47.61**	**16.10**	**45.20**	**61.41**	**35.20**	**35.43**	**52.64**	**0.00**	**35.62**

3.0 Construction Detail

Construction Phase

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0328**	**3.7100e-003**	**0.0365**	**0.0168**	**3.4100e-003**	**0.0203**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0128	0.0000	0.0128	6.5700e-003	0.0000	6.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0128**	**3.7100e-003**	**0.0165**	**6.5700e-003**	**3.4100e-003**	**9.9800e-003**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.6001	259.6001	0.0501	0.0000	260.8522
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.6001**	**259.6001**	**0.0501**	**0.0000**	**260.8522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.5998	259.5998	0.0501	0.0000	260.8519
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.5998**	**259.5998**	**0.0501**	**0.0000**	**260.8519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0872	218.0872	0.0412	0.0000	219.1183
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0872**	**218.0872**	**0.0412**	**0.0000**	**219.1183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0869	218.0869	0.0412	0.0000	219.1180
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0869**	**218.0869**	**0.0412**	**0.0000**	**219.1180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Unmitigated	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
NaturalGas Mitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
NaturalGas Unmitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Unmitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1829	0.1284	3.2200e-003	30.3530
Unmitigated	26.1829	0.1284	3.2200e-003	30.3530

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.4006	0.0828	0.0000	3.4700
Unmitigated	5.6026	0.3311	0.0000	13.8801

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	27.6	5.6026	0.3311	0.0000	13.8801
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**5.6026**	**0.3311**	**0.0000**	**13.8801**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	6.9	1.4006	0.0828	0.0000	3.4700
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1.4006**	**0.0828**	**0.0000**	**3.4700**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Compton Residential Development

Air Quality and Greenhouse Gas Impact Study

City of Compton, CA

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Sound Solutions for Planning and Design

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GLOSSARY OF TERMS

AQMP	Air Quality Management Plan
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
LST	Localized Significant Thresholds
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This air quality and greenhouse gas (GHG) analysis was prepared to evaluate whether the estimated criteria pollutants and GHG emissions generated from the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The project site is located at 930 W. Compton Boulevard in Compton, California, as shown in Exhibit A. The site is currently zoned as Limited Commercial (CL) and Parking (P) and classified as Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a Change of Zone to General Commercial – Limited Commercial and Planned Development (C-L-D).The proposed use is multi-family residential at approximately 24.5 dwelling units per acre. Land uses surrounding the site include single-family residential uses to the south (across 151st Street), single-family residential uses and commercial uses to the west (across Dwight Avenue), mixed-use commercial and residential uses to the north (across Compton Boulevard), and multi-family residential uses to the east (across Kemp Avenue).

1.2.2 Project Description

The Project proposes the development of the approximately 2.45-acre site with 60 single-family (attached) townhomes. Exhibit B demonstrates the site plan for the project.

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Table 1 summarizes the land use description for the Project Site.

Table 1: Land Use Summary

Land Use	Unit Amount	Size Metric
Apartments Low Rise	60	Dwelling Units
Other Asphalt Surfaces (On-Site Roadways & Guest Parking)	0.61	Acres
Other Non-Asphalt Surfaces (Landscaping & Hardscape)	0.61	Acres
Notes:		

[1] The Traffic & Parking Analysis for the Compton & Kemp Residential Project (TJW Engineering, Inc., March 3, 2021) utilized land use code Multi-Family Housing (Low-Rise) ITE 220. Therefore, the project was modeled with the closest land use code available in CalEEMod, Apartments Low Rise (ITE 221).

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are multiple-family residential land uses located approximately 35 feet southeast and 50 foot east of the project site (across Kemp Avenue). In addition, single-family residential land uses are located approximately 50 feet south of the project site (across 151st Street), 50 feet west of the project site (across Dwight Avenue), and 165 feet north of the project site.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

Construction-Source Emissions
Project construction-source emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

Project construction-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). As discussed herein, the project will comply with all applicable SCAQMD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

Operational-Source Emissions
The project operational-sourced emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the Operations-Related Local Air Quality Impacts section of this report. Additionally, project-related traffic will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots). Project operational-

source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

Project operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project's emissions meet SCAQMD regional thresholds and will not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant.

Project-related GHG emissions meet the SCAQMD draft threshold and are also considered to be less than significant. The project also complies with the goals of the CARB Scoping Plan, AB-32, and SB-32.

Mitigation Measures

A. Construction Measures

Adherence to SCAQMD Rule 403 is required.

No construction mitigation required.

B. Operational Measures

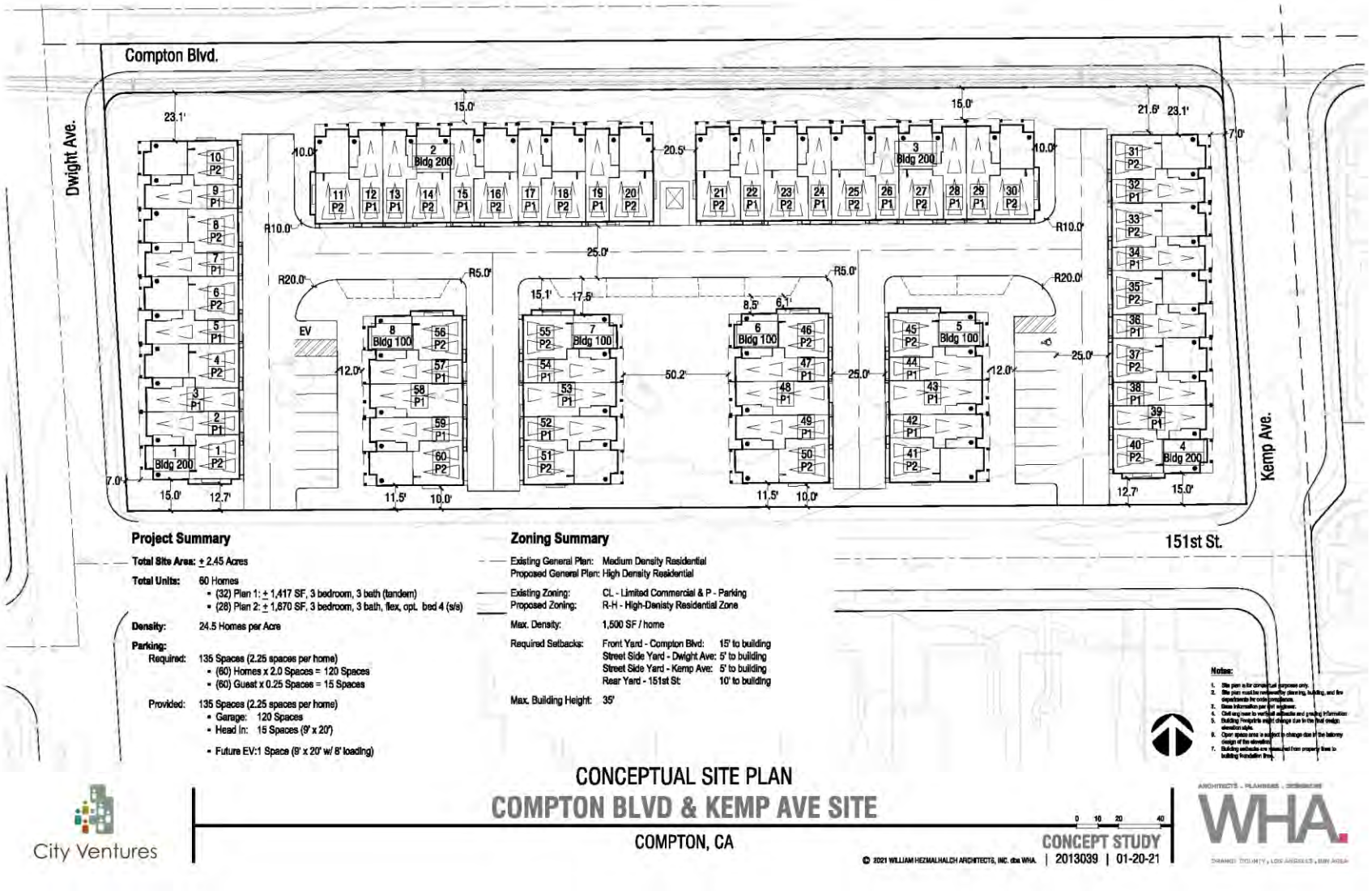
No operational mitigation required.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Regulatory Framework and Background

2.1 Air Quality Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The South Coast Air Quality Management District (SCAQMD) regulates at the air basin level.

2.1.1 National and State

The EPA is responsible for global, international, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Air Quality Standards, also known as federal standards. There are six common air pollutants, called criteria pollutants, which were identified from the provisions of the Clean Air Act of 1970.

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Particulate Matter
- Sulfur Dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to project the public health.

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. See http://www.arb.ca.gov/research/aaqs/aaqs.htm for additional information on criteria pollutants and air quality standards.

The federal and state ambient air quality standards are summarized in Table 2 and can also be found at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentrations[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O3)	1-Hour	0.09 ppm	Ultraviolet Photometry	- -	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm		0.070 ppm (147 µg/m³)		
Respirable Particulate Matter (PM10)[8]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µ/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		- -		
Fine Particulate Matter (PM2.5)[8]	24-Hour	- -	- -	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 µg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 µg/m³)	- -	Non-Dispersive Infrared Photometry (NDIR)
	8-Hour	9.0 ppm (10 µg/m³)		9 ppm (10 µg/m³)	- -	
	8-Hour (Lake Tahoe)	6 ppm (7 µg/m³)		- -	- -	
Nitrogen Dioxide (NO_2)[9]	1-Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	- -	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (357 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1-Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	- -	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	- -		- -	0.5 ppm (1300 mg/m³)	
	24-Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[10]	- -	
	Annual Arithmetic Mean	- -		0.130ppm (for certain areas)[10]	- -	
Lead[11,12]	30 Day Average	1.5 µg/m³	Atomic Absorption	- -		
	Calendar Qrtr	- -		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	- -		0.15 µg/m³		
Visibility Reducing Particles[13]	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Notes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

10. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Several pollutants listed in Table 2 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

2.1.2 South Coast Air Quality Management District

The agency for air pollution control for the South Coast Air Basin (basin) is the South Coast Air Quality Management District (SCAQMD). SCAQMD is responsible for controlling emissions primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the basin. SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the basin. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

Every three (3) years the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon.

On March 23, 2017 CARB approved the 2016 AQMP. The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air. The Plan was approved by the EPA on June 15, 2017.

The 2016 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on time. As with every AQMP, a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures is updated with the latest data and methods. The most significant air quality challenge in the Basin is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. The primary goal of this Air Quality Management Plan is to meet clean air standards and protect public health, including ensuring benefits to environmental justice and disadvantaged communities. The Plan was approved by the EPA on June 15, 2017

The 2012 AQMP built upon the approaches taken in the 2007 AQMP for the attainment of federal PM and ozone standards, and highlights the significant amount of reductions needed and the need to engage in interagency coordinated planning of mobile sources to meet all of the federal criteria pollutant standards. Compared with the 2007 AQMP, the 2012 AQMP utilized revised emissions inventory projections that use 2008 as the base year. On-road emissions are calculated using CARB EMFAC2011 emission factors and the transportation activity data provided by SCAG from their 2012 Regional Transportation Plan (2012 RTP). Off-road emissions were updated using CARB's 2011 In-Use Off-Road Fleet Inventory Model. Since the 2007 AQMP was finalized new area source categories such as liquid propane gas (LPG) transmission losses, storage tank and pipeline cleaning and degassing, and architectural colorants, were created and included in the emissions inventories. The 2012 AQMP also includes analysis of several additional sources of GHG emissions such as landfills and could also assist in reaching the GHG target goals in the AB32 Scoping Plan.

South Coast Air Quality Management District Rules

The AQMP for the basin establishes a program of rules and regulations administered by SCAQMD to obtain attainment of the state and federal standards. Some of the rules and regulations that apply to this Project include, but are not limited to, the following:

SCAQMD Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable suppression techniques are indicated below and include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas in active for 10 days or more).
- Water active sites at least three times daily.
- Cover all trucks hauling dirt, san, soil, or other loose materials, or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code (CVC) section 23114.
- Pave construction access roads at least 100 feet onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep on-site and off-iste streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets.

SCAQMD Rule 1113 governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of project must comply with Rule 1113.

Idling Diesel Vehicle Trucks – Idling for more than 5 minutes in any one location is prohibited within California borders.

Rule 2702. The SCAQMD adopted Rule 2702 on February 6, 2009, which establishes a voluntary air quality investment program from which SCAQMD can collect funds from parties that desire certified GHG emission reductions, pool those funds, and use them to purchase or fund GHG emission reduction projects within two years, unless extended by the Governing Board. Priority will be given to projects that result in co-benefit emission reductions of GHG emissions and criteria or toxic air pollutants within environmental justice areas. Further, this voluntary program may compete with the cap-and-trade program identified for implementation in CARB's Scoping Plan, or a Federal cap and trade program.

2.2 Greenhouse Gas Regulatory Setting

2.2.1 International

Many countries around the globe have made an effort to reduce GHGs since climate change is a global issue.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations. The United States participates in the United Nations Framework Convention on Climate Change (UNFCCC) (signed on March 21, 1994). Under the Convention, governments gather and share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

The 2014 UN Climate Change Conference in Lima Peru provided a unique opportunity to engage all countries to assess how developed countries are implementing actions to reduce emissions.

Kyoto Protocol. The Kyoto Protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. It has been estimated that if the commitments outlined in the Kyoto Protocol are met, global GHG emissions could be reduced by an estimated 5 percent from 1990 levels during the first commitment period of 2008 – 2012 (UNFCCC 1997). On December 8, 2012, the Doha Amendment to the Kyoto Protocol was adopted. The amendment includes: New commitments for Annex I Parties to the Kyoto Protocol who agreed to take on commitments in a second commitment period from 2013 – 2020; a revised list of greenhouse gases (GHG) to be reported on by Parties in the second commitment period; and Amendments to several articles of the Kyoto Protocol which specifically referenced issues pertaining to the first commitment period and which needed to be updated for the second commitment period.

2.2.2 National

Greenhouse Gas Endangerment. On December 2, 2009, the EPA announced that GHGs threaten the public health and welfare of the American people. The EPA also states that GHG emissions from on-road vehicles contribute to that threat. The decision was based on *Massachusetts v. EPA* (Supreme Court Case 05-1120) which argued that GHGs are air pollutants covered by the Clean Air Act and that the EPA has authority to regulate those emissions.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's

National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The second phase of the national program would involve proposing new fuel economy and greenhouse gas standards for model years 2017 – 2025 by September 1, 2011.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Mandatory Reporting of Greenhouse Gases. On January 1, 2010, the EPA started requiring large emitters of heat-trapping emissions to begin collecting GHG data under a new reporting system. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA.

Climate Adaption Plan. The EPA Plan identifies priority actions the Agency will take to incorporate considerations of climate change into its programs, policies, rules and operations to ensure they are effective under future climatic conditions. The following link provides more information on the EPA Plan: https://www.epa.gov/arc-x/planning-climate-change-adaptation

2.2.3 California

California Code of Regulations (CCR) Title 24, Part 6. CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by

fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 and 2016 standards have been approved and became effective July 1, 2014 and January 1, 2016, respectively.

California Code of Regulations (CCR) Title 24, Part 11. All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions. The following links provide more information on Title 24, Part 11:
https://www.dgs.ca.gov/BSC/Codes

https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle, during the 2016 to 2017 fiscal year. During the 2019-2020 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle.

The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The 2019 CalGreen Code includes the following changes and/or additional regulations:

Single-family homes built with the 2019 standards will use about 7 percent less energy due to energy efficiency measures versus those built under the 2016 standards. Once rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy

than those under the 2016 standards. Nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades[1].

HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the post-construction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require post-construction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of post-construction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regards to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regards to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. Some updates were also made in regards to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regards to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many

[1] https://ww2.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf

jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official. The following link provides more on CalGreen Building Standards:
http://www.bsc.ca.gov/Home/CALGreen.aspx

Executive Order S-3-05. California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following targets:

- By 2010, California shall reduce greenhouse gas emissions to 2000 levels;
- By 2020, California shall reduce greenhouse gas emissions to 1990 levels.
- By 2050, California shall reduce greenhouse gas emissions to 80 percent below 1990 levels.

The executive order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

Executive Order S-01-07. Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or

blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

SB 97. Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Resource Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance are provided and no specific mitigation measures are identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project's energy use and energy efficiency potential.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year

2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent (MMTCO2e) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO2e. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 MMTCO2e.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 MMTCO2e by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 (California Air Resources Board 2008). The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, Including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and

- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[4]

Senate Bill 100. Senate Bill 100 (SB 100) requires 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045. SB 100 was adopted September 2018.

The interim thresholds from prior Senate Bills and Executive Orders would also remain in effect. These include Senate Bill 1078 (SB 1078), which requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. Senate Bill 107 (SB 107) which changed the target date to 2010. Executive Order S-14-08, which was signed on November 2008 and expanded the State's Renewable Energy Standard to 33 percent renewable energy by 2020. Executive Order S-21-09 directed the CARB to adopt regulations by July 31, 2010 to enforce S-14-08. Senate Bill X1-2 codifies the 33 percent renewable energy requirement by 2020.

SB 375. Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG), which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 13 percent below 2005 per capita GHG emissions levels by 2035. On April 4, 2012, SCAG adopted the 2012-2035 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), which meets the CARB emission reduction requirements. The Housing Element Update is required by the State to be completed within 18 months after RTP/SCS adoption or by October 2013.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Assembly Bill 939 and Senate Bill 1374. Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resource Agency 2009) was adopted, which is the "… first statewide, multi-sector, region-specific, and information-based climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15. Executive Order B-30-15, establishing a new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030, was signed by Governor Brown in April 2015.

Executive Order B-29-15. Executive Order B-29-15, mandates a statewide 25% reduction in potable water usage and was signed into law on April 1, 2015.

Executive Order B-37-16. Executive Order B-37-16, continuing the State's adopted water reduction, was signed into law on May 9, 2016. The water reduction builds off the mandatory 25% reduction called for in EO B-29-15.

2.2.4 South Coast Air Quality Management District

The Project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions

in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

SCAQMD Threshold Development

The SCAQMD has established recommended significance thresholds for greenhouse gases for local lead agency consideration ("SCAQMD draft local agency threshold"). SCAQMD has published a five-tiered draft GHG threshold which includes a 10,000 metric ton of CO_2e per year for stationary/industrial sources and 3,000 metric tons of CO_2e per year significance threshold for residential/commercial projects (South Coast Air Quality Management District 2010c). Tier 3 is anticipated to be the primary tier by which the SCAQMD will determine significance for projects. The Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90-precent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to CEQA analysis. The 90-percent capture rate GHG significance screening level in Tier 3 for stationary sources was derived using the SCAQMD's annual Emissions Reporting Program.

The current draft thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent. A project's construction emissions are averaged over 30 years and are added to a project's operational emissions. If a project's emissions are under one of the following screening thresholds, then the project is less than significant:
  - All land use types: 3,000 MTCO2e per year
  - Based on land use types: residential is 3,500 MTCO2e per year; commercial is 1,400 MTCO2e per year; and mixed use is 3,000 MTCO2e per year
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual by a certain percentage; this percentage is currently undefined
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: Year 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO2e/SP/year for projects and 6.6 MTCO2e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO2e/SP/year for projects and 4.1 MTCO2e/SP/year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

2.2.5 City of Compton

City of Compton General Plan

Local jurisdictions, such as the City of Compton, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the 2016 AQMP. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In accordance with the CEQA requirements, the City does not, however, have the expertise to develop plans, programs, procedures, and methodologies to ensure that air quality within the City and region will meet federal and state standards. Instead, the City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

The Draft Compton General Plan 2030 Air Quality Element, contains the following air quality-related goals and policies that are applicable to the proposed project:

Goal 1 Reduce automobile use.

Policies

1.2 The City of Compton will implement programs that reduce automobile use by City residents.

1.4 The City of Compton will increase ridership on the local transit system by making it more user-friendly by providing safe, attractive places to wait that include route maps.

Goal 2 Reduce peak-hour roadway congestion.

Goal 3 Reduce emissions associated with vehicle miles traveled by providing a balance of jobs and housing.

Goal 4 Reduce emissions associated with energy consumption.

Policies

4.2 The City of Compton will encourage incorporation of energy features, including passive solar, in the construction and rehabilitation of new and existing structures.

4.3 The City of Compton will support recycling programs which reduce emissions associated with manufacturing and waste disposal.

Goal 5 Reduce air pollution emissions and impacts through site planning and building design.

Policies

5.1 The City of Compton will support the use of low polluting construction materials and coatings.

5.2 The City of Compton will provide, to the maximum extent feasible, for the separation of sensitive receptors, such as schools and hospitals, from sources of toxic emissions.

5.4 The City of Compton will standardize air quality review procedures for all new developments.

5.5 The City of Compton will reduce the exposure of sensitive receptors to dust and odors to the maximum extent feasible.

City of Compton Climate Action Plan

The City of Compton does not currently have a Climate Action Plan.

Therefore, to determine whether the project's GHG emissions are significant, this analysis uses the SCAQMD draft local agency tier 3 screening threshold of 3,000 MTCO2e per year for all land use types.

The project will be subject to the latest requirements of the California Green Building and Title 24 Energy Efficiency Standards (currently 2019) which would reduce project-related greenhouse gas emissions.

3.0 Setting

3.1 Existing Physical Setting

The project site is located in the City of Compton, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

3.1.1 Local Climate and Meteorology

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas where the project site is located. The majority of the annual rainfall in the basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thunderstorms in the coastal regions and slightly heavier showers in the eastern portion of the basin along the coastal side of the mountains. Year-to-year patterns in rainfall are unpredictable because of fluctuations in the weather.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers are often periods of hazy visibility and occasionally unhealthful air. Strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high

enough to pass over the mountains and ultimately dilute the smog cloudtrap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for the City of Torrance, closest monitoring station to the project site, are in Table 3. Table 3 shows that August is typically the warmest month and January and December are typically the coolest months. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table 3: Meteorological Summary

Month	Temperature (˚F)		Average Precipitation (inches)
	Average High	Average Low	
January	66.5	46.2	3.19
February	66.8	47.7	3.68
March	68.1	49.4	2.33
April	70.6	51.5	0.82
May	72.3	55.1	0.26
June	74.6	58.0	0.07
July	77.8	61.3	0.05
August	78.8	61.9	0.03
September	78.1	60.5	0.16
October	75.4	56.5	0.62
November	68.4	48.9	1.16
December	66.8	46.3	2.29
Annual Average	**72.2**	**53.8**	**14.6**

Notes:
[1] Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8973

3.1.2 Local Air Quality

The SCAQMD has divided the South Coast Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located in Compton however ambient air quality data was utilized from both Compton and Long Beach (Areas 12 and 4) monitoring stations. The nearest air monitoring station to the project site is the Compton-700 North

Bullis Road Station (Compton Station). The Compton Station is located approximately 1.97 miles northeast of the project site, however this location does not provide all ambient weather data. The next nearest monitoring station to the project site is the Long Beach-2425 Webster Street Station (Long Beach Station). The Long Beach Station is located approximately 6.56 miles southeast of the project site. The Long Beach Station was used to provide the existing PM2.5 levels. Additional data was also pulled from the SCAQMD historical data for the South Central LA County (Area 12) for both sulfur dioxide and carbon monoxide to provide the existing levels. Table 4 presents the monitored pollutant levels within the vicinity. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

Table 4: Local Area Air Quality Levels from the Compton/Long Beach Monitoring Stations

Pollutant (Standard)[2]	Year		
	2017	**2018**	**2019**
Ozone:			
Maximum 1-Hour Concentration (ppm)	0.092	0.075	0.100
Days > CAAQS (0.09 ppm)	0	0	**1**
Maximum 8-Hour Concentration (ppm)	0.076	0.064	0.079
Days > NAAQS (0.07 ppm)	**5**	0	**1**
Days > CAAQS (0.070 ppm)	**5**	0	**1**
Carbon Monoxide:			
Maximum 1-Hour Concentration (ppm)	6.1	4.7	3.8
Days > NAAQS (20 ppm)	0	0	0
Maximum 8-Hour Concentration (ppm)	4.60	3.50	3.2
Days > NAAQS (9 ppm)	0	0	0
Nitrogen Dioxide:			
Maximum 1-Hour Concentration (ppm)	0.099	0.068	0.070
Days > NAAQS (0.25 ppm)	0	0	0
Sulfur Dioxide:			
Maximum 24-Hour Concentration (ppm)	--[3]	--[3]	--[3]
Days > CAAQS (0.04 ppm)	0	0	0
Inhalable Particulates (PM10):			
Maximum 24-Hour Concentration (ug/m^3)	79.0	84.0	155.8
Days > NAAQS (150 ug/m^3)	0	0	0
Days > CAAQS (50 ug/m^3)	**10**	**4**	**4**
Annual Average (ug/m^3)	33.5	32.7	29.7
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	**Yes**	**Yes**	**Yes**
Ultra-Fine Particulates (PM2.5):			
Maximum 24-Hour Concentration (ug/m^3)	66.7	49.4	39.5
Days > NAAQS (35 ug/m^3)	**5**	**2**	**1**
Annual Average (ug/m^3)	13.2	13.2	10.8
Annual > NAAQS (15 ug/m3)	No	No	No
Annual > CAAQS (12 ug/m^3)	**Yes**	**Yes**	No

[1] Source: obtained from https://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year and /or https://www.arb.ca.gov/adam/topfour/topfour1.php

[2] CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million

[3] No data available.

The monitoring data presented in Table 4 shows that ozone and particulate matter (PM10 and PM2.5) are the air pollutants of primary concern in the project area, which are detailed below.

Ozone
During the 2017 to 2019 monitoring period, the State 1-hour concentration standard for ozone has been exceeded for one day in 2019 at the Compton Station. Both the Federal and the State 8-hour ozone standard (0.07 ppm) have been exceeded between one and five days each year over the past three years at the Compton Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

Carbon Monoxide
CO is another important pollutant that is due mainly to motor vehicles. The South Central LA County Area did not record an exceedance of the state or federal 1-hour or 8-hour CO standards for the last three years.

Nitrogen Dioxide
The Compton Station did not record an exceedance of the State or Federal NO_2 standards for the last three years.

Sulfur Dioxide
The South Central LA County Area did not record an exceedance of the State SO_2 standards for the last three years.

Particulate Matter
During the 2017 to 2019 monitoring period, the State 24-hour concentration standard for PM10 was exceeded between four and ten days each year at the Long Beach Station. Over the same time period the Federal 24-hour and Federal annual standards for PM10 have not been exceeded at the Long Beach Station.

The Federal 24-hour standard for PM2.5 was exceeded between one and five days each year during the 2017 to 2019 monitoring period at the Compton Station.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may

experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

3.1.3 Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard. Table 5 lists the attainment status for the criteria pollutants in the basin.

Table 5: South Coast Air Basin Attainment Status

Pollutant	Averaging Time	National Standards[1]	Attainment Date[2]	California Standards[3]
1979 1-Hour Ozone[4]	1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 Originally 11/15/2010 (Not attained4)	Extreme Nonattainment
1997 8-Hour Ozone[5]	8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024	Nonattainment
2008 8-Hour Ozone	8-Hour (0.075 ppm)	Nonattainment (Extreme)	12/31/2032	
2015 8-Hour Ozone	8-Hour (0.070 ppm)	Designations Pending	~2037	
CO	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (Attained)	Maintenance
NO_2[6]	1-Hour (100 ppb) Annual (0.053 ppm)	Unclassifiable/Attainment Attainment (Maintenance)	N/A (Attained) 9/22/1998 (Attained)	Attainment
SO_2[7]	1-Hour (75 ppb)	Designations Pending (expect Uncl./Attainment)	N/A (Attained)	Attainment
	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (Attained)	

PM10	24-Hour (150 µg/m^3)	Nonattainment (Maintenance)8	7/26/2013 (Attained)8	Nonattainment
PM2.5	24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019	Unclassified
Lead	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)[9]	12/31/2015	Nonattainment (Partial)[9]

Notes:

[1] Obtained from http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassified/Attainment or Unclassifiable.

[2] A design value below the NAAQS for data through the full year or smog season prior to the attainment date is typically required for attainment demonstration.

[3] Obtained from http://www.arb.ca.gov/desig/adm/adm.htm.

[4] 1-hour O3 standard (0.12 ppm) was revoked, effective June 15, 2005 ; however, the Basin has not attained this standard based on 2008-2010 data and is still subject to anti-backsliding requirements.

[5] 1997 8-hour O_3 standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the 1997 O3 standard and most related implementation rules remain in place until the 1997 standard is revoked by U.S. EPA.

[6] New NO_2 1-hour standard, effective August 2, 2010; attainment designations June, 2013; annual NO_2 standard retained.

[7] The 1971 annual and 24-hour SO_2 standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO_2 1-hour standard. Area designations expected in 2012, with SSAB designated Unclassifiable/Attainment.

[8] Annual PM10 standard was revoked, effective December 18, 2006; 24-hour PM10 NAAQS deadline was 12/31/2006; SCAQMD request for attainment re-designation and PM10 maintenance plan was approved by U.S. EPA on June 26, 2013, effective July 26, 2013.

[9] Partial Nonattainment designation – Los Angeles County portion of Basin only for near-source monitors. Expect redesignation to attainment based on current monitoring data.

3.2 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and nitrous oxide (NO_2) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. Table 6 provides a description of each of the greenhouse gases and their global warming potential.

Additional information is available: https://www.arb.ca.gov/cc/inventory/data/data.htm

<Table 6 on next page>

Table 6: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (N_20),also known as laughing gas is a colorless gas. It has a lifetime of 114 years. Its global warming potential is 298.	Microbial processes in soil and water, fuel combustion, and industrial processes. In addition to agricultural sources, some industrial processes (nylon production, nitric acid production) also emit N_20.
Methane	Methane (CH_4) is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 25.	A natural source of CH_4 is from the decay of organic matter. Methane is extracted from geological deposits (natural gas fields). Other sources are from the decay of organic material in landfills, fermentation of manure, and cattle farming.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chlorofluorocarbons	CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). They are gases formed synthetically by replacing all hydrogen atoms in methane or methane with chlorine and/or fluorine atoms. Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone, therefore their production was stopped as required by the Montreal Protocol.
Hydrofluorocarbons	Hydrofluorocarbons (HFCs) are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons (PFCs) have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above the Earth's surface. They have a lifetime 10,000 to 50,000 years. They have a global warming potential range of 6,200 to 9,500.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Notes:

1. Sources: Intergovernmental Panel on Climate Change 2014a and Intergovernmental Panel on Climate Change 2014b. https://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html

4.0 Modeling Parameters and Assumptions

4.1 Construction

Typical emission rates from construction activities were obtained from CalEEMod Version 2016.3.2 CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2014 computer program to calculate the emission rates specific for the southern portion of Los Angeles County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2014 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of the proposed project as indicated in Table 1. Construction is anticipated to begin early 2022 and be completed by late 2023; therefore, construction was estimated to start no sooner than January 2022 and end by mid-December 2023. The phases of the construction activities which have been analyzed below are: 1) grading, 2) building, 3) paving, and 4) architectural coating. For details on construction modeling and construction equipment for each phase, please see Appendix A.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent, stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the Project area (approximately 2.45 acres) and the fact that the project won't export more than 5,000 cubic yards of material a day a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD's Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth moving operations would occur. Compliance with Rule 403 is required.

4.2 Operations

Operational or long-term emissions occur over the life of the Project. Both mobile and area sources generate operational emissions. Area source emissions arise from consumer product usage, heaters that consume natural gas, gasoline-powered landscape equipment, and architectural coatings (painting). Mobile source emissions from motor vehicles are the largest single long-term source of air pollutants from the operation of the Project. Small amounts of emissions would also occur from area sources such as the consumption of natural gas for heating, hearths, from landscaping emissions, and consumer product usage. The operational emissions were estimated using the latest version of CalEEMod.

Mobile Sources
Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project are based upon the trip generation rates given in the project-specific traffic and parking analysis (TJW Engineering, Inc.) which uses the ITE 10th Trip Generation Manual. The traffic and parking analysis shows a trip generation rate of 7.32 trips per dwelling unit.

The program then applies the emission factors for each trip which is provided by the EMFAC2014 model to determine the vehicular traffic pollutant emissions. The CalEEMod default trip lengths were used in this analysis. Please see CalEEMod output comments sections in Appendix A and B for details.

Area Sources
Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less and the CalEEMod model default was utilized.

Energy Usage
2016.3.2 CalEEMod defaults were utilized.

4.3 Localized Construction Analysis

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (South Coast Air Quality Management District 2011b). CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. In order to compare CalEEMod reported emissions against the localized significance threshold lookup tables, the CEQA document should contain in its project design features or its mitigation measures the following parameters:

1. The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions.
2. The maximum number of acres disturbed on the peak day.
3. Any emission control devices added onto off-road equipment.
4. Specific dust suppression techniques used on the day of construction activity with maximum emissions.

The construction equipment showing the equipment associated with the maximum area of disturbance is shown in Table 7.

Table 7: Maximum Number of Acres Disturbed Per Day[1]

Activity	Equipment	Number	Acres/8hr-day	Total Acres
	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Tractors/Loaders/Backhoes	2	0.5	1
Total Per Phase				2.0

Notes:
[1.] Source: CalEEMod output and South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2

As shown in Table 7, the maximum number of acres disturbed in a day would be 2 acres.

The local air quality emissions from construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet). According to LST methodology, any receptor located closer than 25 meters should be based on the 25 meter threshold. The closest receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site.

4.4 Localized Operational Analysis

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

5.0 Thresholds of Significance

5.1 Air Quality Thresholds of Significance

5.1.1 CEQA Guidelines for Air Quality

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard;

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. There are daily emission thresholds for construction and operation of a proposed project in the basin.

5.1.2 Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Projects in the basin with construction-related emissions that exceed any of the emission thresholds are considered to be significant under SCAQMD guidelines.

5.1.3 Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Local Microscale Concentration Standards The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the South Central Los Angeles County source receptor area (SRA 12) and a disturbance of 2 acres per day at a distance of 25 meters (82 feet), for construction.

5.2 Greenhouse Gas Thresholds of Significance

5.2.1 CEQA Guidelines for Greenhouse Gas

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

However, despite this, currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency. As previously discussed (Section 2.2.4 of this report), SCAQMD has drafted interim thresholds. The screening threshold of 3,000 MTCO2e per year for all land uses was used in this analysis.

6.0 Air Quality Emissions Impact

6.1 Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the project by default is required to incorporate these rules during construction.

6.1.1 Regional Construction Emissions

The construction emissions for the project would not exceed the SCAQMD's daily emission thresholds at the regional level as demonstrated in Table 8, and therefore would be considered less than significant.

Table 8: Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Grading						
On-Site[2]	1.54	16.98	9.22	0.02	3.30	2.00
Off-Site[3]	0.04	0.03	0.37	0.00	0.11	0.03
Total	**1.59**	**17.01**	**9.59**	**0.02**	**3.41**	**2.03**
Building Construction						
On-Site[2]	1.86	14.60	14.35	0.03	0.70	0.67
Off-Site[3]	0.34	1.58	2.81	0.01	0.84	0.23
Total	**2.20**	**16.18**	**17.17**	**0.04**	**1.54**	**0.90**
Paving						
On-Site[2]	0.96	8.61	11.68	0.02	0.43	0.40
Off-Site[3]	0.06	0.04	0.51	0.00	0.17	0.05
Total	**1.02**	**8.65**	**12.20**	**0.02**	**0.60**	**0.45**
Architectural Coating						
On-Site[2]	29.75	1.30	1.81	0.00	0.07	0.07
Off-Site[3]	0.05	0.03	0.44	0.00	0.15	0.04
Total	**29.80**	**1.34**	**2.26**	**0.00**	**0.22**	**0.11**
Total of overlapping phases[4]	**33.02**	**26.17**	**31.62**	**0.06**	**2.36**	**1.46**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.
[4] Construction, architectural coatings and paving phases may overlap.

6.1.2 Localized Construction Emissions

The data provided in Table 9 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Table 9: Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Grading	16.98	9.22	3.30	2.00
Building Construction	14.60	14.35	0.70	0.67
Paving	8.61	11.68	0.43	0.40
Architectural Coating	1.30	1.81	0.07	0.07
Total of overlapping phases	24.52	27.85	1.21	1.14
SCAQMD Threshold for 25 meters (82 feet) or less[2]	**65**	**346**	**7**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for two acres in South Central Los Angeles County Source Receptor Area (SRA 12). Project will disturb a maximum of 2 acres per day (see Table 7).
[2] The nearest sensitive receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site; however, according to LST methodology any receptor located closer than 25 meters should be based on the 25 meter threshold.

6.1.3 Odors

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected cease upon the drying or hardening of the odor producing materials. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the on-going operations of the proposed project would include odor emissions from trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 no significant impact related to odors would occur during the on-going operations of the proposed project.

6.1.4 Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment

(HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed project would not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project.

6.2 Operational Air Quality Emissions Impact

6.2.1 Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEEMod model. The operating emissions were based on year 2023, which is the anticipated opening year for the project. The summer and winter emissions created by the proposed project's long-term operations were calculated and the highest emissions from either summer or winter are summarized in Table 10.

Table 10: Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	2.26	0.95	5.33	0.01	0.10	0.10
Energy Usage[3]	0.03	0.25	0.11	0.00	0.02	0.02
Mobile Sources[4]	0.72	3.08	10.01	0.04	3.22	0.88
Total Emissions	**3.01**	**4.28**	**15.45**	**0.05**	**3.34**	**1.00**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

Table 10 provides the project's unmitigated operational emissions. Table 10 shows that the project does not exceed the SCAQMD daily emission threshold and regional operational emissions are considered to be less than significant.

6.2.2 Localized Operational Emissions

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential

to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

As stated previously, according to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

6.3 CO Hot Spot Emissions

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards which were presented in above in Section 5.0.

To determine if the proposed project could cause emission levels in excess of the CO standards discussed above in Section 5.0, a sensitivity analysis is typically conducted to determine the potential for CO "hot spots" at a number of intersections in the general project vicinity. Because of reduced speeds and vehicle queuing, "hot spots" potentially can occur at high traffic volume intersections with a Level of Service E or worse.

Micro-scale air quality emissions have traditionally been analyzed in environmental documents where the air basin was a non-attainment area for CO. However, the SCAQMD has demonstrated in the CO attainment redesignation request to EPA that there are no "hot spots" anywhere in the air basin, even at intersections with much higher volumes, much worse congestion, and much higher background CO levels than anywhere in Riverside County. If the worst-case intersections in the air basin have no "hot spot" potential, any local impacts will be below thresholds.

The project-specific traffic and parking analysis (TJW Engineering, Inc.) showed that the project would generate a maximum of approximately 439 vehicle trips per day. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. Therefore, as the project only includes a maximum of 439 daily vehicle trips, no CO "hot spot" modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

6.4 Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would

extend beyond any local projects and when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The project does not exceed any of the thresholds of significance and therefore is considered less than significant.

6.5 Air Quality Compliance

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD Air Quality Management Plan (AQMP). Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis contained in this Air Analysis, neither short-term construction impacts, nor long-term operations will result in significant impacts based on the SCAQMD regional and local thresholds of significance.

Therefore, the proposed project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2016, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the City of Compton Land Use Plan defines the assumptions that are represented in the AQMP.

The proposed project is currently zoned as Limited Commercial (CL) and Parking (P) and has a land use classification of Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a General Plan Amendment to General Commercial (GC) and a Change of Zone to Limited Commercial and Planned Development Zones (C-L-D). The project is proposing to develop the approximately 2.45-acre project site with 60 single-family (attached) townhomes at 24.5 dwelling units per acre. Therefore, the proposed project is not currently consistent with the existing land use designation and zoning.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and sub-regional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium- Density and High-Density Residential categories is also allowed in General Commercial. The High-Density Residential General Plan land use designation permits 17.1 to 34 dwelling unit per net acre; therefore, the as the project is proposing 24 dwelling units per acre it would be consistent with the proposed General Commercial land use designation.

Therefore, once the General Plan Amendment and Change of Zone is approved, the project would be consistent with the City's land use and zoning designations. Although the project may initially result in an inconsistency with the AQMP on paper, the inconsistency would not necessarily constitute a conflict with the AQMP. The SCAQMD acknowledges that strict consistency with all aspects of the AQMP is not required in order to make a finding of no conflict. Rather, a project is considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The project would implement contemporary energy-efficient technologies and regulatory/operational programs required per Title 24, CalGreen and City standards. Generally, compliance with SCAQMD emissions reductions and

control requirements also act to reduce project air pollutant emissions. Project compliance with regulatory/operational programs is consistent with and supports overarching AQMP air pollution reduction strategies. Project support of these strategies promotes timely attainment of AQMP air quality standards and would bring the project into conformance with the AQMP. Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

7.0 Greenhouse Gas Impact Analysis

7.1 Construction Greenhouse Gas Emissions Impact

The greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 11. The emissions are from all phases of construction. The total construction emissions amortized over a period of 30 years are estimated at 24.54 metric tons of CO_2e per year. Annual CalEEMod output calculations are provided in Appendix B.

Table 11: Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	Onsite	**Offsite**	**Total**
Grading	9.1	0.5	9.6
Building Construction[2]	480.0	225.7	705.7
Paving	15.6	1.4	17.0
Coating	2.6	1.2	3.8
Total	507.3	228.8	736.1
Averaged over 30 years[2]	17	8	24.54

Notes:
[1.] $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane and nitrous oxide).
[2.] The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.
* CalEEMod output (Appendix B)

7.2 Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The unmitigated operational emissions for the project are 833.41 metric tons of CO_2e per year as shown in Table 12. Therefore, the project's GHG emissions do not exceed the SCAQMD draft threshold of 3,000 metric tons CO2e per year for all land uses. Therefore, the proposed project's GHG emissions are considered to be less than significant.

<Table 12 next page>

Table 12: Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	13.98	13.98	0.00	0.00	14.08
Energy Usage[3]	0.00	133.38	133.38	0.00	0.00	133.98
Mobile Sources[4]	0.00	615.82	615.82	0.03	0.00	616.58
Solid Waste[5]	5.60	0.00	5.60	0.33	0.00	13.88
Water[6]	1.24	24.94	26.18	0.13	0.00	30.35
Construction[7]	0.00	24.45	24.45	0.00	0.00	24.54
Total Emissions	6.84	812.57	819.42	0.50	0.01	**833.41**
SCAQMD Draft Screening Threshold						**3,000**
Exceeds Threshold?						**No**

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consist of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30 year amortization rate.

7.3 Greenhouse Gas Plan Consistency

The proposed project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. As stated previously, the City of Compton does not currently have a Climate Action Plan; therefore, the project has been compared to the goals of the CARB Scoping Plan and the GHG emissions reduction goal of SB-32.

Scoping Plan

Emission reductions in California alone would not be able to stabilize the concentration of greenhouse gases in the earth's atmosphere. However, California's actions set an example and drive progress towards a reduction in greenhouse gases elsewhere. If other states and countries were to follow California's emission reduction targets, this could avoid medium or higher ranges of global temperature increases. Thus, severe consequences of climate change could also be avoided.

The ARB Board approved a Climate Change Scoping Plan in December 2008. The Scoping Plan outlines the State's strategy to achieve the 2020 greenhouse gas emissions limit. The Scoping Plan "proposes a comprehensive set of actions designed to reduce overall greenhouse gas emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (California Air Resources Board 2008). The measures in the Scoping Plan have been in place since 2012.

This Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of

14 tons of carbon dioxide for every man, woman and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This *Update* identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB release the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals, and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and Trade Program, which constrains and reduces emissions at covered sources.

As the latest, 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in Table 13. As shown in Table 13, the project is consistent with the applicable strategies and would result in a less than significant impact.

SB-32

SB-32 requires the state board to ensure that statewide greenhouse gas emissions are reduced to 40 percent below the 1990 level by 2030. SCAQMD's thresholds used Executive Order S-3-05 goal as the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

As the SCAQMD uses EO S-3-05 as the basis for their screening level, and EO S-3-05 includes the long-term goal to reduce greenhouse gas emissions to 80 percent below 1990 levels by 2050, the project would also be consistent with the goal of SB 32 (to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030). Therefore, projects that meet the current interim emissions targets/thresholds established by SCAQMD would also be on track to meet the reduction targets for 2030. Furthermore, all of the post 2020 reductions in GHG emissions are addressed via regulatory requirements at the State level and the project will be required to comply with these regulations as they come into effect.

Therefore, as the project's emissions do not exceed the SCAQMD draft GHG emissions threshold of 3,000 metric tons CO2e per year, the project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the project will comply with applicable Green Building Standards and City of Compton's policies regarding sustainability (as dictated by the City's General Plan).

<Table 13 next page>

Table 13: Project Consistency with CARB Scoping Plan Policies and Measures[1]

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	Consistent. The project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	Consistent. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.

Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Consistent. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Notes: 1. Source: CARB Scoping Plan (2008 and 2017)	

8.0 References

The following references were used in the preparing of this analysis.

California Air Resources Board

2008 Resolution 08-43

2008 Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2008 Climate Change Scoping Plan, a framework for change.

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

2013 Revised Emission Factors for Gasoline Marketing Operations at California Gasoline Dispensing Facilities

2014 First Update to the Climate Change Scoping Plan, Building on the Framework Pursuant to AB32, the California Global Warming Solutions Act of 2006. May.

2017 California's 2017 Climate Change Scoping Plan. November.

2021 Historical Air Quality, Top 4 Summary

City of Compton

2011 Draft City of Compton 2030 General Plan. January.

Governor's Office of Planning and Research

2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2009 CEQA Guideline Sections to be Added or Amended

2018 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

1993 CEQA Air Quality Handbook

2005 Rule 403 Fugitive Dust
2007 2007 Air Quality Management Plan

2008 Final Localized Significance Threshold Methodology, Revised

2011 Appendix A Calculation Details for CalEEMod

2012 Final 2012 Air Quality Management Plan

2016 Final 2016 Air Quality Management Plan

TJW Engineering, Inc.
2021 Traffic & Parking Analysis for the Compton & Kemp Residential Project, City of Compton, CA. March 3.

Appendix A:

CalEEMod Daily Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1633	17.0102	17.1661	0.0361	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,423.1602	3,423.1602	0.6484	0.0000	3,435.2887
2023	29.7956	14.8337	16.7984	0.0357	0.8338	0.6205	1.4542	0.2233	0.5944	0.8177	0.0000	3,383.9826	3,383.9826	0.5461	0.0000	3,395.7779
Maximum	**29.7956**	**17.0102**	**17.1661**	**0.0361**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,423.1602**	**3,423.1602**	**0.6484**	**0.0000**	**3,435.2887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057
Total	**3.0117**	**4.2005**	**15.4450**	**0.0455**	**3.1914**	**0.1475**	**3.3389**	**0.8540**	**0.1456**	**0.9996**	**0.0000**	**5,331.8559**	**5,331.8559**	**0.2202**	**0.0268**	**5,345.3348**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Total	**2.8563**	**3.4330**	**11.3316**	**0.0284**	**1.6720**	**0.1355**	**1.8075**	**0.4474**	**0.1344**	**0.5818**	**0.0000**	**3,591.9605**	**3,591.9605**	**0.1441**	**0.0268**	**3,603.5366**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.16**	**18.27**	**26.63**	**37.63**	**47.61**	**8.15**	**45.87**	**47.61**	**7.69**	**41.80**	**0.00**	**32.63**	**32.63**	**34.57**	**0.00**	**32.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.0402**	**0.0266**	**0.3716**	**1.1000e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**109.8712**	**109.8712**	**3.0300e-003**		**109.9470**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0428	1.3850	0.3602	3.8200e-003	0.0960	2.6000e-003	0.0986	0.0277	2.4900e-003	0.0301		408.7288	408.7288	0.0235		409.3152
Worker	0.2650	0.1757	2.4526	7.2800e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		725.1501	725.1501	0.0200		725.6505
Total	**0.3078**	**1.5606**	**2.8128**	**0.0111**	**0.8338**	**8.3700e-003**	**0.8421**	**0.2233**	**7.8100e-003**	**0.2311**		**1,133.8790**	**1,133.8790**	**0.0435**		**1,134.9657**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0318	1.0509	0.3253	3.6900e-003	0.0960	1.2100e-003	0.0973	0.0277	1.1600e-003	0.0288		395.8611	395.8611	0.0208		396.3808
Worker	0.2489	0.1589	2.2586	7.0100e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		698.5981	698.5981	0.0181		699.0493
Total	**0.2806**	**1.2098**	**2.5839**	**0.0107**	**0.8338**	**6.8200e-003**	**0.8406**	**0.2233**	**6.3300e-003**	**0.2296**		**1,094.4593**	**1,094.4593**	**0.0388**		**1,095.4300**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0313	0.4449	1.3800e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		137.6027	137.6027	3.5500e-003		137.6915
Total	**0.0490**	**0.0313**	**0.4449**	**1.3800e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**137.6027**	**137.6027**	**3.5500e-003**		**137.6915**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5689	2.2327	5.8938	0.0208	1.6720	0.0157	1.6876	0.4474	0.0146	0.4620		2,123.5189	2,123.5189	0.1075		2,126.2075
Unmitigated	0.7243	3.0001	10.0072	0.0379	3.1914	0.0277	3.2191	0.8540	0.0258	0.8798		3,863.4143	3,863.4143	0.1837		3,868.0057

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

01632102 Compton Residential Development

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	6.6641	0.7432	7.4073	3.3971	0.6837	4.0808	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**6.6641**	**0.7432**	**7.4073**	**3.3971**	**0.6837**	**4.0808**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1960	17.0131	16.9905	0.0356	2.6672	0.7432	3.4103	1.3430	0.6837	2.0267	0.0000	3,369.5525	3,369.5525	0.6482	0.0000	3,381.6887
2023	29.8015	14.8458	16.6264	0.0352	0.8338	0.6205	1.4543	0.2233	0.5944	0.8177	0.0000	3,332.4709	3,332.4709	0.5458	0.0000	3,344.2684
Maximum	**29.8015**	**17.0131**	**16.9905**	**0.0356**	**2.6672**	**0.7432**	**3.4103**	**1.3430**	**0.6837**	**2.0267**	**0.0000**	**3,369.5525**	**3,369.5525**	**0.6482**	**0.0000**	**3,381.6887**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.31**	**0.00**	**45.10**	**56.74**	**0.00**	**41.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590
Total	**2.9889**	**4.2783**	**14.8995**	**0.0437**	**3.1914**	**0.1476**	**3.3390**	**0.8540**	**0.1457**	**0.9997**	**0.0000**	**5,147.0312**	**5,147.0312**	**0.2193**	**0.0268**	**5,160.4881**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Energy	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Mobile	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Total	**2.8373**	**3.4621**	**11.1737**	**0.0273**	**1.6720**	**0.1356**	**1.8076**	**0.4474**	**0.1345**	**0.5819**	**0.0000**	**3,485.7810**	**3,485.7810**	**0.1451**	**0.0268**	**3,497.3821**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.07**	**19.08**	**25.01**	**37.38**	**47.61**	**8.15**	**45.86**	**47.61**	**7.68**	**41.79**	**0.00**	**32.28**	**32.28**	**33.85**	**0.00**	**32.23**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.5554**	**0.7423**	**3.2977**	**1.3133**	**0.6829**	**1.9962**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.0448**	**0.0295**	**0.3392**	**1.0400e-003**	**0.1118**	**8.7000e-004**	**0.1127**	**0.0296**	**8.1000e-004**	**0.0305**		**103.4570**	**103.4570**	**2.8500e-003**		**103.5282**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0449	1.3812	0.3987	3.7200e-003	0.0960	2.6900e-003	0.0987	0.0277	2.5700e-003	0.0302		397.4554	397.4554	0.0250		398.0799
Worker	0.2956	0.1944	2.2386	6.8500e-003	0.7377	5.7700e-003	0.7435	0.1957	5.3200e-003	0.2010		682.8158	682.8158	0.0188		683.2859
Total	**0.3405**	**1.5756**	**2.6372**	**0.0106**	**0.8338**	**8.4600e-003**	**0.8422**	**0.2233**	**7.8900e-003**	**0.2312**		**1,080.2713**	**1,080.2713**	**0.0438**		**1,081.3658**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0334	1.0461	0.3542	3.6000e-003	0.0960	1.2800e-003	0.0973	0.0277	1.2200e-003	0.0289		385.1120	385.1120	0.0220		385.6617
Worker	0.2785	0.1758	2.0577	6.6000e-003	0.7377	5.6100e-003	0.7433	0.1957	5.1700e-003	0.2008		657.8356	657.8356	0.0169		658.2588
Total	**0.3118**	**1.2219**	**2.4119**	**0.0102**	**0.8338**	**6.8900e-003**	**0.8406**	**0.2233**	**6.3900e-003**	**0.2297**		**1,042.9475**	**1,042.9475**	**0.0389**		**1,043.9205**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9601**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.5550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**29.7466**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0346	0.4053	1.3000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		129.5737	129.5737	3.3300e-003		129.6570
Total	**0.0549**	**0.0346**	**0.4053**	**1.3000e-003**	**0.1453**	**1.1100e-003**	**0.1464**	**0.0385**	**1.0200e-003**	**0.0396**		**129.5737**	**129.5737**	**3.3300e-003**		**129.6570**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5500	2.2617	5.7359	0.0198	1.6720	0.0158	1.6877	0.4474	0.0147	0.4621		2,017.3394	2,017.3394	0.1085		2,020.0530
Unmitigated	0.7015	3.0779	9.4617	0.0361	3.1914	0.0278	3.2192	0.8540	0.0259	0.8799		3,678.5896	3,678.5896	0.1828		3,683.1590

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
NaturalGas Unmitigated	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2685.99	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.68599	0.0290	0.2475	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.9988	315.9988	6.0600e-003	5.7900e-003	317.8766
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0290**	**0.2475**	**0.1053**	**1.5800e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**		**315.9988**	**315.9988**	**6.0600e-003**	**5.7900e-003**	**317.8766**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525
Unmitigated	2.2584	0.9528	5.3325	5.9800e-003		0.0998	0.0998		0.0998	0.0998	0.0000	1,152.4428	1,152.4428	0.0305	0.0210	1,159.4525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1048	0.8958	0.3812	5.7200e-003		0.0724	0.0724		0.0724	0.0724	0.0000	1,143.5294	1,143.5294	0.0219	0.0210	1,150.3248
Landscaping	0.1492	0.0571	4.9513	2.6000e-004		0.0274	0.0274		0.0274	0.0274		8.9134	8.9134	8.5700e-003		9.1277
Total	**2.2584**	**0.9528**	**5.3325**	**5.9800e-003**		**0.0998**	**0.0998**		**0.0998**	**0.0998**	**0.0000**	**1,152.4428**	**1,152.4428**	**0.0305**	**0.0210**	**1,159.4525**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B:

CalEEMod Annual Emission Output

01632102 Compton Residential Development

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	60.00	Dwelling Unit	1.23	92,104.00	172
Other Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0
Other Non-Asphalt Surfaces	0.61	Acre	0.61	26,571.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - 2.45 ac w/ 60 MF DUs (32 DUs at 1,417 sf & 28 DUs at 1,670 sf =92,104 sf) & paving of ~25% of the site (0.61 acres) for 15 guest parking space & on-site roadways & ~25% (~0.61 ac) site landscaping/hardscape.

Construction Phase - Construction anticipated to start early 2022 and be completed by late 2023. Site vacant, no site prep or demo needed.

Grading - Site anticipated to balance.

Vehicle Trips - Per Trip Gen Memo, 7.32 trips/DU/day.

Woodstoves - SCAQMD Rule 445 prohibits the installation of wood-burning devices.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 - Fugitive Dust.

Mobile Land Use Mitigation - Site is ~0.01 miles east of Metro Rts 51/52/352 stop Compton/Dwight & 1.15 miles west of downtown Compton. 60 dU/2.45 acres = 24.5 du/ac.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Energy Mitigation -

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	460.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	1/12/2023	12/15/2023
tblConstructionPhase	PhaseEndDate	12/15/2022	10/20/2023
tblConstructionPhase	PhaseEndDate	2/10/2022	1/16/2022
tblConstructionPhase	PhaseEndDate	12/29/2022	11/17/2023
tblConstructionPhase	PhaseStartDate	12/30/2022	11/18/2023
tblConstructionPhase	PhaseStartDate	2/11/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	2/3/2022	1/1/2022
tblConstructionPhase	PhaseStartDate	12/16/2022	10/21/2023
tblFireplaces	NumberGas	51.00	54.00
tblFireplaces	NumberWood	3.00	0.00
tblLandUse	LandUseSquareFeet	60,000.00	92,104.00
tblLandUse	LotAcreage	3.75	1.23
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1355	0.0925	0.2281	0.0444	0.0885	0.1329	0.0000	393.6585	393.6585	0.0579	0.0000	395.1067
2023	0.5178	1.6610	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7079	339.7079	0.0501	0.0000	340.9591
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1355**	**0.0925**	**0.2281**	**0.0444**	**0.0885**	**0.1329**	**0.0000**	**393.6585**	**393.6585**	**0.0579**	**0.0000**	**395.1067**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2786	2.1113	2.1769	4.5800e-003	0.1155	0.0925	0.2081	0.0341	0.0885	0.1227	0.0000	393.6582	393.6582	0.0579	0.0000	395.1064
2023	0.5178	1.6609	1.8943	3.9500e-003	0.0889	0.0702	0.1592	0.0239	0.0671	0.0910	0.0000	339.7076	339.7076	0.0501	0.0000	340.9588
Maximum	**0.5178**	**2.1113**	**2.1769**	**4.5800e-003**	**0.1155**	**0.0925**	**0.2081**	**0.0341**	**0.0885**	**0.1227**	**0.0000**	**393.6582**	**393.6582**	**0.0579**	**0.0000**	**395.1064**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**8.90**	**0.00**	**5.16**	**15.05**	**0.00**	**4.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.5919	0.5919
2	4-1-2022	6-30-2022	0.5957	0.5957
3	7-1-2022	9-30-2022	0.6022	0.6022
4	10-1-2022	12-31-2022	0.6038	0.6038
5	1-1-2023	3-31-2023	0.5423	0.5423
6	4-1-2023	6-30-2023	0.5469	0.5469
7	7-1-2023	9-30-2023	0.5529	0.5529
		Highest	0.6038	0.6038

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769
Waste						0.0000	0.0000		0.0000	0.0000	5.6026	0.0000	5.6026	0.3311	0.0000	13.8801
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.5159**	**0.6334**	**2.3919**	**7.0500e-003**	**0.5696**	**0.0130**	**0.5826**	**0.1527**	**0.0127**	**0.1654**	**6.8428**	**788.1275**	**794.9702**	**0.4952**	**5.1100e-003**	**808.8723**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Energy	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	133.3819	133.3819	4.3500e-003	1.6500e-003	133.9828
Mobile	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Waste						0.0000	0.0000		0.0000	0.0000	1.4006	0.0000	1.4006	0.0828	0.0000	3.4700
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
Total	**0.4880**	**0.4817**	**1.6954**	**4.0500e-003**	**0.2984**	**0.0108**	**0.3093**	**0.0800**	**0.0106**	**0.0906**	**2.6409**	**510.6904**	**513.3313**	**0.2345**	**5.1100e-003**	**520.7172**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.39**	**23.96**	**29.12**	**42.55**	**47.61**	**16.82**	**46.92**	**47.61**	**16.10**	**45.20**	**61.41**	**35.20**	**35.43**	**52.64**	**0.00**	**35.62**

3.0 Construction Detail

Construction Phase

01632102 Compton Residential Development - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2022	1/16/2022	5	10	
2	Building Construction	Building Construction	1/17/2022	10/20/2023	5	460	
3	Paving	Paving	10/21/2023	11/17/2023	5	20	
4	Architectural Coating	Architectural Coating	11/18/2023	12/15/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 1.22

Residential Indoor: 186,511; Residential Outdoor: 62,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,189 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	66.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0328**	**3.7100e-003**	**0.0365**	**0.0168**	**3.4100e-003**	**0.0203**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0128	0.0000	0.0128	6.5700e-003	0.0000	6.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0128**	**3.7100e-003**	**0.0165**	**6.5700e-003**	**3.4100e-003**	**9.9800e-003**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	**2.0000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4771**	**0.4771**	**1.0000e-005**	**0.0000**	**0.4774**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.6001	259.6001	0.0501	0.0000	260.8522
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.6001**	**259.6001**	**0.0501**	**0.0000**	**260.8522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2319	1.8255	1.7942	3.1300e-003		0.0878	0.0878		0.0841	0.0841	0.0000	259.5998	259.5998	0.0501	0.0000	260.8519
Total	**0.2319**	**1.8255**	**1.7942**	**3.1300e-003**		**0.0878**	**0.0878**		**0.0841**	**0.0841**	**0.0000**	**259.5998**	**259.5998**	**0.0501**	**0.0000**	**260.8519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4600e-003	0.1758	0.0475	4.7000e-004	0.0118	3.3000e-004	0.0121	3.4100e-003	3.2000e-004	3.7200e-003	0.0000	45.8122	45.8122	2.7400e-003	0.0000	45.8806
Worker	0.0333	0.0250	0.2875	8.7000e-004	0.0904	7.2000e-004	0.0911	0.0240	6.6000e-004	0.0247	0.0000	78.7178	78.7178	2.1700e-003	0.0000	78.7720
Total	**0.0388**	**0.2008**	**0.3349**	**1.3400e-003**	**0.1022**	**1.0500e-003**	**0.1033**	**0.0274**	**9.8000e-004**	**0.0284**	**0.0000**	**124.5299**	**124.5299**	**4.9100e-003**	**0.0000**	**124.6525**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0872	218.0872	0.0412	0.0000	219.1183
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0872**	**218.0872**	**0.0412**	**0.0000**	**219.1183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.4305	1.4925	2.6300e-003		0.0644	0.0644		0.0617	0.0617	0.0000	218.0869	218.0869	0.0412	0.0000	219.1180
Total	**0.1799**	**1.4305**	**1.4925**	**2.6300e-003**		**0.0644**	**0.0644**		**0.0617**	**0.0617**	**0.0000**	**218.0869**	**218.0869**	**0.0412**	**0.0000**	**219.1180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4100e-003	0.1116	0.0358	3.8000e-004	9.9200e-003	1.3000e-004	0.0101	2.8600e-003	1.2000e-004	2.9900e-003	0.0000	37.2775	37.2775	2.0300e-003	0.0000	37.3283
Worker	0.0263	0.0190	0.2220	7.0000e-004	0.0759	5.9000e-004	0.0765	0.0202	5.4000e-004	0.0207	0.0000	63.7033	63.7033	1.6400e-003	0.0000	63.7443
Total	**0.0297**	**0.1305**	**0.2578**	**1.0800e-003**	**0.0859**	**7.2000e-004**	**0.0866**	**0.0230**	**6.6000e-004**	**0.0237**	**0.0000**	**100.9808**	**100.9808**	**3.6700e-003**	**0.0000**	**101.0726**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6000e-003**	**0.0861**	**0.1168**	**1.8000e-004**		**4.3400e-003**	**4.3400e-003**		**4.0000e-003**	**4.0000e-003**	**0.0000**	**15.5128**	**15.5128**	**4.9200e-003**	**0.0000**	**15.6357**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	**5.7000e-004**	**4.1000e-004**	**4.8100e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3789**	**1.3789**	**4.0000e-005**	**0.0000**	**1.3798**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.2975**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.1700e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1950	1.1950	3.0000e-005	0.0000	1.1958
Total	**4.9000e-004**	**3.6000e-004**	**4.1700e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4400e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1950**	**1.1950**	**3.0000e-005**	**0.0000**	**1.1958**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0970	0.4182	1.0525	3.6600e-003	0.2984	2.8500e-003	0.3013	0.0800	2.6500e-003	0.0826	0.0000	338.3877	338.3877	0.0178	0.0000	338.8318
Unmitigated	0.1248	0.5699	1.7490	6.6600e-003	0.5696	5.0400e-003	0.5747	0.1527	4.6900e-003	0.1574	0.0000	615.8247	615.8247	0.0301	0.0000	616.5769

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	439.20	439.20	439.20	1,500,813	786,280
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	439.20	439.20	439.20	1,500,813	786,280

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Other Non-Asphalt Surfaces	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.0648	81.0648	3.3500e-003	6.9000e-004	81.3548
NaturalGas Mitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
NaturalGas Unmitigated	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	980386	5.2900e-003	0.0452	0.0192	2.9000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	52.3171	52.3171	1.0000e-003	9.6000e-004	52.6280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2900e-003**	**0.0452**	**0.0192**	**2.9000e-004**		**3.6500e-003**	**3.6500e-003**		**3.6500e-003**	**3.6500e-003**	**0.0000**	**52.3171**	**52.3171**	**1.0000e-003**	**9.6000e-004**	**52.6280**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	254423	81.0648	3.3500e-003	6.9000e-004	81.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**81.0648**	**3.3500e-003**	**6.9000e-004**	**81.3548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795
Unmitigated	0.3858	0.0183	0.6237	1.0000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.9782	13.9782	1.2200e-003	2.4000e-004	14.0795

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3100e-003	0.0112	4.7600e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9674	12.9674	2.5000e-004	2.4000e-004	13.0445
Landscaping	0.0187	7.1300e-003	0.6189	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0108	1.0108	9.7000e-004	0.0000	1.0351
Total	**0.3858**	**0.0183**	**0.6237**	**1.0000e-004**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**13.9782**	**13.9782**	**1.2200e-003**	**2.4000e-004**	**14.0795**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1829	0.1284	3.2200e-003	30.3530
Unmitigated	26.1829	0.1284	3.2200e-003	30.3530

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.1829**	**0.1284**	**3.2200e-003**	**30.3530**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.4006	0.0828	0.0000	3.4700
Unmitigated	5.6026	0.3311	0.0000	13.8801

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	27.6	5.6026	0.3311	0.0000	13.8801
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**5.6026**	**0.3311**	**0.0000**	**13.8801**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	6.9	1.4006	0.0828	0.0000	3.4700
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1.4006**	**0.0828**	**0.0000**	**3.4700**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

MITIGATION MONITORING & REPORTING PROGRAM (MMRP) FOR THE CONCORD RESIDENTIAL PROJECT

1. **Project Case Number(s):** Development Agreement
General Plan Amendment
Change of Zone
Conditional Use Permit
Tentative Tract Map 82807
Undergrounding Exemption
Possible Mature Street Tree Removal

2. **Project Title:** Concord Residential Project (the "Project")

3. **Lead Agency:** City of Compton
Robert Degadillo, Community Development Department
205 South Willowbrook Avenue
Compton, CA 90220
(310) 605-5532
rdelgadillo@comptoncity.org

4. **Project Sponsor**:

Applicant/Developer	**Property Owner**
Kim Prijatel Senior Vice President of Development City Ventures 3121 Michelson Drive, Suite 150 Irvine, CA 92612 (949) 258-7540 kPrijatel@cityventures.com	City Ventures 3121 Michelson Drive, Suite 150 Irvine, CA 92612 (949) 258-7555

5. **Project Location:**

The Project site is located at 930 West Compton Boulevard, bounded by West Compton Boulevard to the north, West 151st Street to the south, South Kemp Avenue to the east, and South Dwight Avenue to the west, in the City of Compton, County of Los Angeles, California, as shown in Figure A – Aerial. The site is in Township 3 South, Range 13 West, San Bernardino base and meridian, and comprises Tax Assessor parcel number 6161-001-902.

CONCORD RESIDENTIAL PROJECT						
Mitigation Measures		**Responsible Party**	**Monitoring Timing or Frequency**	**Type of Verification**	**Verification of Compliance**	
					Initials	**Date**
AESTHETICS						
MM AES-1	Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone light colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.	Developer	Prior to Building Permit Issuance	Planning shall ensure that plan is reviewed and approved		
REMARKS:						
NOISE						
MM NOI-1	The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.	Developer	Prior to Building Permit Issuance	Planning shall verify on Plan Check set of plans		
REMARKS:						
MM NOI-2	Construction shall occur during the hours of 7:00 AM to 7:00 PM.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-3	Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-4	Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well		

Mitigation Measures		Responsible Party	Monitoring Timing or Frequency	Type of Verification	Verification of Compliance	
					Initials	Date
				any noise complaints shall be processed.		
REMARKS:						
MM NOI-5	During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-6	Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
MM NOI-7	Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible.	Developer	Monitor During All Earthmoving and Construction Activity	City Engineer and Building Inspectors shall monitor during inspections. As well any noise complaints shall be processed.		
REMARKS:						
TRANSPORTATION						
MM TRAF-1	Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal	Developer	Prior to Grading Permit Issuance	Engineering and Planning will review and approve the Haul Route Plan		

CONCORD RESIDENTIAL PROJECT						
Mitigation Measures		**Responsible Party**	**Monitoring Timing or Frequency**	**Type of Verification**	**Verification of Compliance**	
					Initials	**Date**
	Code Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.					
REMARKS:						
MM TRAF-2	Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.	Developer	Prior to Occupancy	Engineering will ensure the curb has been painted		
REMARKS:						
WILDFIRE						
See MM TRAF-1						
REMARKS:						

INITIAL STUDY (IS) & MITIGATED NEGATIVE DECLARATION FOR THE CONCORD RESIDENTIAL PROJECT MND-950

BACKGROUND INFORMATION AND PROJECT DESCRIPTION:

1. **Project Case Number(s):** General Plan Amendment – GPA 21-001
   Change of Zone – COZ 21-003
   Conditional Use Permit – CUP 21-008
   Tentative Tract Map 82807 – TTM 21-001

2. **Project Title:** Concord Residential Project (the "Project")

3. **Public Comment Period:** November 16, 2021 – December 6, 2021

4. **Lead Agency:** City of Compton
   Robert Degadillo, Community Development Department
   205 South Willowbrook Avenue
   Compton, CA 90220
   (310) 605-5532
   rdelgadillo@comptoncity.org

5. **Prepared By:** Diane Jenkins, AICP
   McKenna Lanier Group, Inc.
   (909) 519-8887
   Diane@McKennaLanier.com

6. **Project Sponsor:**

Applicant/Developer	Property Owner
Kim Prijatel Senior Vice President of Development City Ventures 3121 Michelson Drive, Suite 150 Irvine, CA 92612 (949) 258-7540 kPrijatel@cityventures.com	City of Compton 205 South Willowbrook Avenue Compton, CA 90220

7. **Project Location:** The Project site is located at 930 West Compton Boulevard, bounded by West Compton Boulevard to the north, West 151st Street to the south, South Kemp Avenue to the east, and South Dwight Avenue to the west, in the City of Compton, County of Los Angeles, California, as shown in Figure A – Aerial. The site is in Township 3 South, Range 13 West, San Bernardino base and meridian, and comprises Tax Assessor parcel number 6161-001-902.

8. **Existing General Plan Vision 2010:** Medium Density Residential (8.1 to 17 du/acre net)

The Medium Density Residential (MDR), General Plan designation, allows for residential development up to 17 units per net acre and a population density of up to 66 persons per acre. Development typically consists of low-rise apartments, townhomes and condominiums, and single-family patio homes on small lots. Uses and development densities permitted in the Low-Density Residential category are also appropriate for Medium Density Residential areas (see Figure B – General Plan).

9. **Existing Zoning:** C-L – Limited Commercial & P – Automobile Parking

The Limited Commercial Zone (C-L) is established to provide neighborhood, community, and regional retail business areas with related uses. The Automobile Parking Zone (P) is established to provide for off-street parking for residential, commercial, industrial, public, and other uses in the City (see Figure C – Zoning).

Currently, the existing zoning is not consistent with the General Plan.

10. **Surrounding Land Uses and Setting:**

	Land Use	General Plan	Zoning
Project Site	**Vacant**	**Medium Density Residential**	**C-L – Limited Commercial & P – Automobile Parking**
North	West Compton Boulevard with Existing Commercial and Single-Family Residential Uses Beyond	Mixed-Use	C-L – Limited Commercial
South	Existing Single-Family Homes	Low-Density Residential	R-M – Medium-Density Residential
East	Small Lot Single-Family Town Homes	Medium-Density Residential	C-L – Limited Commercial
West	Existing Commercial/DNA Liquor Store & Single-Family Residential Uses	Mixed-Use	C-L – Limited Commercial & R-L – Low-Density Residential

11. **Description of the Site and Project:**

Environmental Setting

The Project site consists of approximately 2.45 acres of vacant land. A records review of aerial photography performed for the Phase I Environmental Site Assessment prepared by Stantec Consulting Services, Inc. determined the Project site was used for light agricultural purposes between 1928 and 1963. Then by 1977, the property was developed with a convalescent hospital and associated parking. By 2005 the convalescent hospital had been demolished, and the property has been vacant ever since. It is noted that the City Planning Commission adopted Resolution 3828 on June 13, 2007, for a Conditional Use Permit (CUP) case number 2589, Variance case number 2590, and Tentative Tract Map 67558 to build a Planned Unit Development of 41 townhouse units. However, this project was not built.

The site is bounded by West Compton Boulevard to the north, South Kemp Avenue to the east, South Dwight Avenue to the west, and West 151st Street to the south. Curb, gutter, and sidewalk already exist on West Compton Boulevard, South Kemp Avenue, and South Dwight Avenue. As well, seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees.

Regionally, the subject site is in the Peninsular Ranges geomorphic province, characterizing southern California's southwest portion. It is in these areas where major right-lateral active fault zones predominately trend northwest to southeast. The Peninsular Ranges province comprises plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills, and sedimentary veneers.

The Project site is underlain by undocumented artificial fills and young Quaternary alluvium. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level, with a relative low point near the site's northeast corner. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into West Compton Boulevard and South Kemp Avenue's rights-of-way. Within West Compton Boulevard and South Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility, which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and, ultimately, the Pacific Ocean at San Pedro Bay.

Project Description

The Project consists of the construction of 60 townhomes with private garages, private drive aisles, sidewalks, guest parking areas, and common landscaped areas. The Project site will be accessible via two (2) entrances/exits along West 151st Street. The project is being built under an air space condominium map TM-82807.

The Project has been designed to provide housing for larger families with three (3) and four (4) bedroom floor plan designs. The design includes solar roofs, and the townhomes will be all-electric with no natural gas. Ten (10) of the units will be for moderate-income families, with the other fifty (50) units being market rate.

The Project includes the following discretionary approvals.

- GPA 21-001 – General Plan Map Amendment (GPA) – The amendment changes the land use designation on the subject property from Medium Density Residential (MDR) to General Commercial (GC).
- COZ 21-003 – Change of Zone (CZ) – Change of Zone changes the existing C-L – Limited Commercial & P – Automobile Parking Zones to the C-L – Limited Commercial Zone.
- CUP 21-008 – Conditional Use Permit (CUP) – Conditional Use Permit to permit a condominium development in the C-L – Commercial Limited Zone.
- TTM 21-001 – Tentative Tract Map 82807 – the map subdivides the 2.45-acres to create a single air space condominium map.

In addition, the following approvals will also be needed to process the project.

- Development Agreement – The agreement covers the details of the City's sale of the land known as Assessor's Parcel Number (APN) 6161-001-902 to City Ventures to develop sixty (60) single-family townhomes.
- Density Bonus – Parking Ratio – Tandem Parking pursuant to Government Code Section 65915 (p) (5) a development providing affordable units may provide onsite parking through tandem parking.
- Undergrounding Exemption – The requested exemption regards the undergrounding of utilities on West Compton Boulevard pursuant to Chapter 26 – Undergrounding of Utilities Facilities of the Municipal Code.
- Street Tree Removal – The request to remove the seven (7) mature street trees on West Compton Boulevard should pursuant to Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code.

GPA 21-001 – General Plan Map Amendment (GPA) – (Figure B – General Plan)

The underlying General Plan designation of MDR – Medium-Density Residential is inconsistent with the existing zoning of C-L – Commercial Limited and P – Parking. To create consistency with the General Plan and the Zoning designation of C-L – Commercial Limited while permitting a 60-unit townhome condominium Project the applicant is proposing to change the General Plan land use designation to General Commercial.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and subregional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium-Density and High-Density Residential categories is also allowed in General Commercial.

Since the High-Density Residential General Plan land use designation permits 17.1 to 34 du/acre net, the General Commercial land use designation is an appropriate designation for this Project, which proposes 24.5 du/acre.

COZ 21-003 – Change of Zone (CZ) – (Figure C – Zoning)

The Project proposes to change the existing C-L – Limited Commercial & P – Automobile Parking Zones to the C-L – Limited Commercial Zone. The Limited Commercial Zone (C-L) is established to provide neighborhood, community, and regional retail business areas with related uses.

CUP 21-003 – Conditional Use Permit (CUP) – (Figure E – Conceptual Site Plan)

In the C-L Zone, specific uses are permitted subject to a CUP obtained pursuant to the provisions of Section 30-26 – Conditional Use Permits (CUP) of the City's Municipal Code. permitted with a CUP. Therefore, this Project is being processed under a CUP.

The development proposes sixty (60) townhome units with private garages, private drive aisles, sidewalks, guest parking areas, and common and private landscaped areas. The Project site will utilize two driveways off West 151st Street.

The Project has eight (8) three-story buildings, including four (4) ten-plexes and four (4) five-plexes. There are two plan types: Plan 1 at 1,404-square-feet and Plan 2 at 1,664-square-feet. Plan 1 has a two-car tandem parked private garage on the 1st floor and livable space on the 2nd and 3rd floors. Plan 2 has a two-car side-by-side parked private garage plus livable space on the 1st floor and livable space on the 2nd and 3rd floors. Second and third-floor living spaces for both units will further benefit from private outdoor decks (see Figures F through I).

The building's architectural style is "Transitional," blending both Traditional and Contemporary styles. Exterior façade materials are composed of a stucco field with board & batten siding accents. The roof level is distinguished by a perimeter, asphalt shingled hip roof punctuated with projecting gables and parapets. Architectural accents include aesthetically placed wood trellises, wood guardrails, bracket-supported awning roofs, and contemporary coach lights (see Figures F through I).

Product Information			
Building Type	**Building Size**	**Unit Area**	**Unit Design**
10-plex	15,340 sq. ft.		
Plan 1		1,404 sq. ft.	3 bedrooms 3 baths
Plan 2		1,664 sq. ft.	4 bedrooms 4 baths
5-plex	7,540 sq. ft.		
Plan 1		1,404 sq. ft.	3 bedrooms 3 baths
Plan 2		1,664 sq. ft.	4 bedrooms 4 baths

TTM 21-001 – Tentative Tract Map 82807 – (Figure D – TTM-82807)

The map proposes to subdivide the property into a single air space condominium lot for townhome purposes. On-site streets will be provided as easements.

Development Agreement

The City and City Ventures are entering into a Development Agreement that will provide the details of the City's sale of the land to City Ventures to develop a sixty (60) unit, townhome air space condominium Project.

Density Bonus – Parking Ratio – Tandem Parking

Although the applicant is not requesting a density increase under Density Bonus Law (Government Code 65915) they are providing ten units affordable to moderate income families and are requesting to utilize the tandem parking provision of Density Bonus Law pursuant to Government Code Section 65915 (p) (5). As noted in 65915 (f) the definition of "Density Bonus" for the purpose of the law does not require the increase in density.

Undergrounding Exemption

SCE has overhead transmission lines on four (4) 80-foot-tall poles along the West Compton Boulevard frontage of the Project site. These poles hold sixteen (16) different lines at six (6) different heights on the poles ranging from 12kV to 66kV and including lines for AT&T and Charter. The lines extend to the east and west of the Project site along West Compton Boulevard. All other utilities are underground.

The developer is requesting an exemption from the undergrounding of utilities requirement pursuant to Chapter 26 – Undergrounding of Utilities Facilities of the Municipal Code.

Street Tree Removal

Seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees. The developer proposes to replace the trees with 36" box trees at a one-to-three (1:3) ratio. The developer is seeking approval to remove the damaged tree(s) in accordance with Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code.

Construction Characteristics

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Per the Project-specific scoping agreement (TJW Engineering, Inc.), the Project is to be operational in 2022; therefore, construction is estimated to start no sooner than February 2022.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground

detention systems, which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flow rate (Allowable Q) provided Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H of the Preliminary Hydrology and Hydraulics Study for the Allowable Q provided by LACFCD.

Although the property is relatively flat, the Project will export approximately 4,320 cubic yards of dirt in approximately 308 truckloads. Required street improvements will include the following:

- There will be new sidewalk installed on Compton Boulevard, South Kemp Avenue and Dwight Avenue.
- Curb and gutter will remain unless damaged and directed to be replaced for Compton Boulevard, Dwight Avenue and South Kemp Avenue.
- West 151st Street will receive new curb, gutter and sidewalk.
- There will be new curb returns and curb ramps installed at all four corners of the Project.

The Project includes preliminary grading, drainage, and water quality management plans.

12. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?** Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

Pursuant to California Public Resources Code §21080.3.1(Assembly Bill (AB) 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area with which the tribe is traditionally and culturally affiliated, the City is requesting to conduct AB 52 tribal consultation with your tribe. It is understood that the time allotted for a Native American Tribe to respond to a lead agency and request consultation in writing was recently extended by an additional 30-days in California Public Resources Code §21080.3.1, for a total of 60-days for any housing development project application, determined to be complete on or after March 4, 2020, and before December 31, 2021, under Assembly Bill 1561 approved by the Governor September 28, 2020.

In addition, the Project includes a General Plan Land Use Map change and, therefore, must also comply with California Public Resources Code §65352.3 - 65352.4 (Senate Bill (SB) 18), which requires local governments to conduct meaningful consultation with California Native American tribes on the contact list maintained by the Native American Heritage Commission prior to the adoption or amendment of a city or county general plan to protect Native American cultural places on lands that may be affected by the proposal.

Consultation under AB 52 and SB 18 commenced on April 19, 2021, with six (6) tribes.

- Gabrieleno Band of Mission Indians - Kizh Nation
- Gabrieleno/Tongva San Gabriel Band of Mission Indians
- Gabrielino/Tongva Nation
- Gabrielino Tongva Indians of California Tribal Council
- Gabrielino Tongva Tribe
- Soboba Band of Luiseño Indians

The 60-day response period for AB 52 will end on June 18, 2021. The 90-day response period for SB 18 will end on July 19, 2021. The City will consult with all tribes requesting a consultation and will coordinate the appropriate mitigation if any.

13. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

a. California Water Services Company
b. Los Angeles County Flood Control District
c. Southern California Edison
d. Southern California Gas
e. Statewide Construction General Permit

14. **Other Technical Studies Referenced in this Initial Study (Provided as Appendices):**

A. Compton Residential Development Air Quality and Greenhouse Gas Impact Study – prepared by MD Acoustics LLC, April 14, 2021
B. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
C. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018
D. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019
E. Preliminary Hydrology & Hydraulics Study TTM 82807 – prepared by C&V Consulting, Inc., August 2019, Revised March 2021
F. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021
G. Preliminary Low Impact Development (LID) Plan TTM 82807 – prepared by C&V Consulting, Inc., August 2019, Revised March 2021
H. Compton Residential Development Noise Impact Study – prepared by MD Acoustics LLC, April 14, 2021

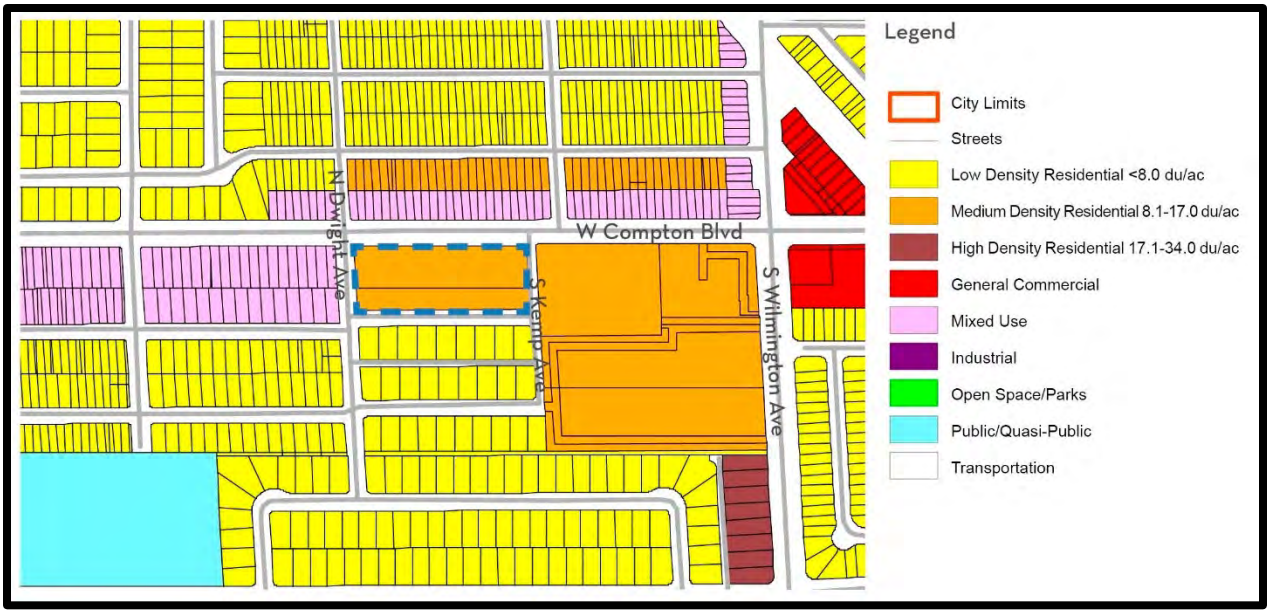
I. Compton & Kemp Traffic Impact Analysis – prepared by TJW Engineering, Inc., September 24, 2019
J. Traffic & Parking Analysis: Compton & Kemp Residential Project – Supplemental Traffic Analysis Memo – prepared by TJW Engineering, Inc., February 26, 2021
K. Figure 9 – Sight Distance Analysis of the Compton & Kemp Traffic Impact Analysis

15. **Acronyms:**

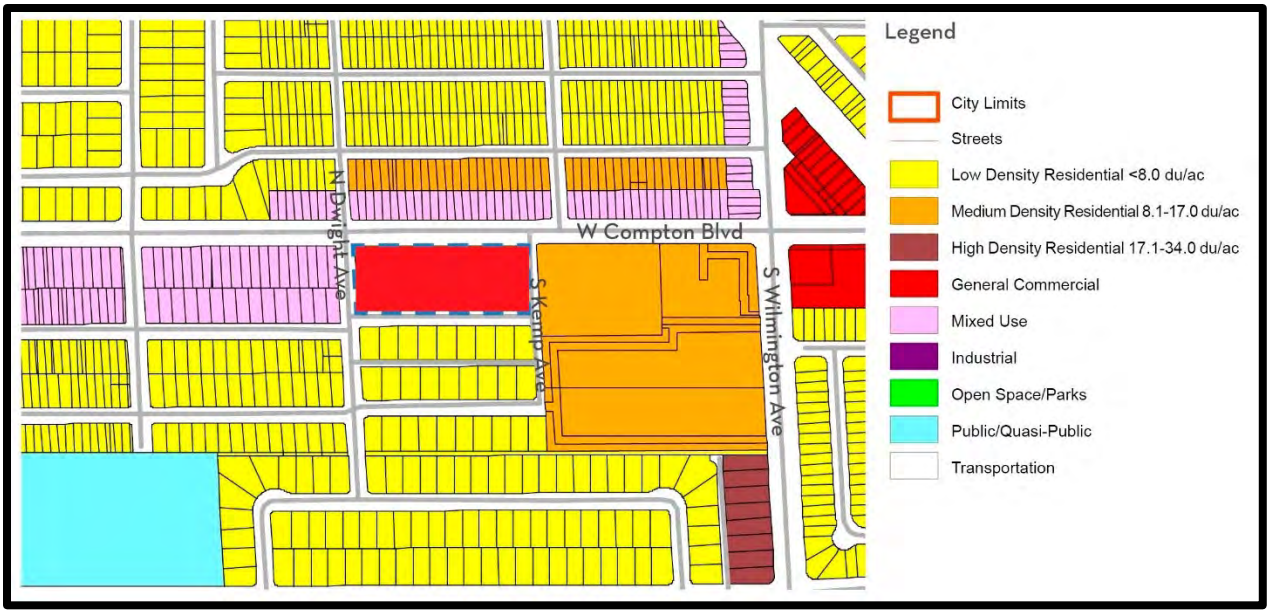
ADA -	American with Disabilities Act
ALUC -	Airport Land Use Commission
ALUCP -	Airport Land Use Compatibility Plan
AQMP -	Air Quality Management Plan
BMP -	Best Management Practice
CEQA -	California Environmental Quality Act
CMC -	Compton Municipal Code
CMP -	Congestion Management Plan
CRTS -	Compton Renaissance Transit System
CUSD -	Compton Unified School District
DTSC -	Department of Toxic Substance Control
DWR -	Department of Water Resources
EIR -	Environmental Impact Report
EOP -	Emergency Operations Plan
FEMA -	Federal Emergency Management Agency
FMMP -	Farmland Mapping and Monitoring Program
GIS -	Geographic Information System
GHG -	Greenhouse Gas
GP -	General Plan
HCM	Highway Capacity Manual
HOA -	Homeowners' Association
IS -	Initial Study
LACFCD -	Los Angeles County Flood Control District
LACDPW -	Los Angeles County Department of Public Works
LACSD -	Los Angeles County Sanitation District
LHMP -	Local Hazard Mitigation Plan
LID -	Low Impact Development
LOS -	Level of Service
LST -	Localized Significance Threshold
MWD -	Metropolitan Water District
NCCP -	Natural Communities Conservation Plan
NPDES -	National Pollutant Discharge Elimination System
OEM -	Office of Emergency Services
OPR -	Office of Planning & Research, State
PEIR -	Program Environmental Impact Report
PW -	Public Works
RCP -	Regional Comprehensive Plan
RTIP -	Regional Transportation Improvement Plan
RTP -	Regional Transportation Plan
SCAG -	Southern California Association of Governments
SCAQMD -	South Coast Air Quality Management District
SCE -	Southern California Edison

SCH -	State Clearinghouse
SWPPP -	Storm Water Pollution Prevention Plan
SWRCB -	State Water Resources Control Board
USFWS -	United States Fish and Wildlife
USGS -	United States Geologic Survey
VMT -	Vehicle Miles Traveled
WQMP -	Water Quality Management Plan

Figure A – Aerial Map



EXISTING GENERAL PLAN



PROPOSED GENERAL PLAN

Figure B – General Plan

Figure C – Zoning

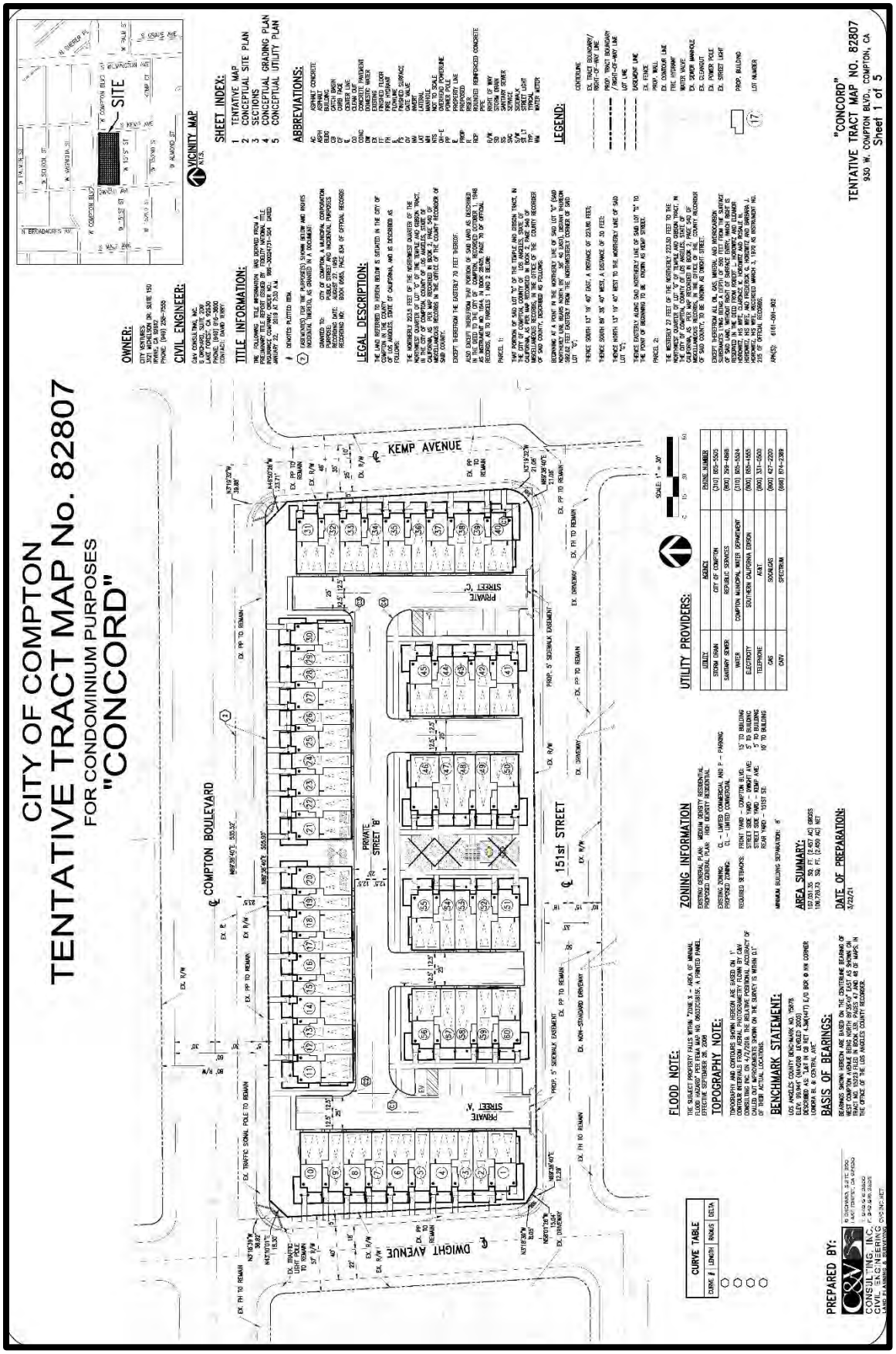


Figure D – TTM 82807

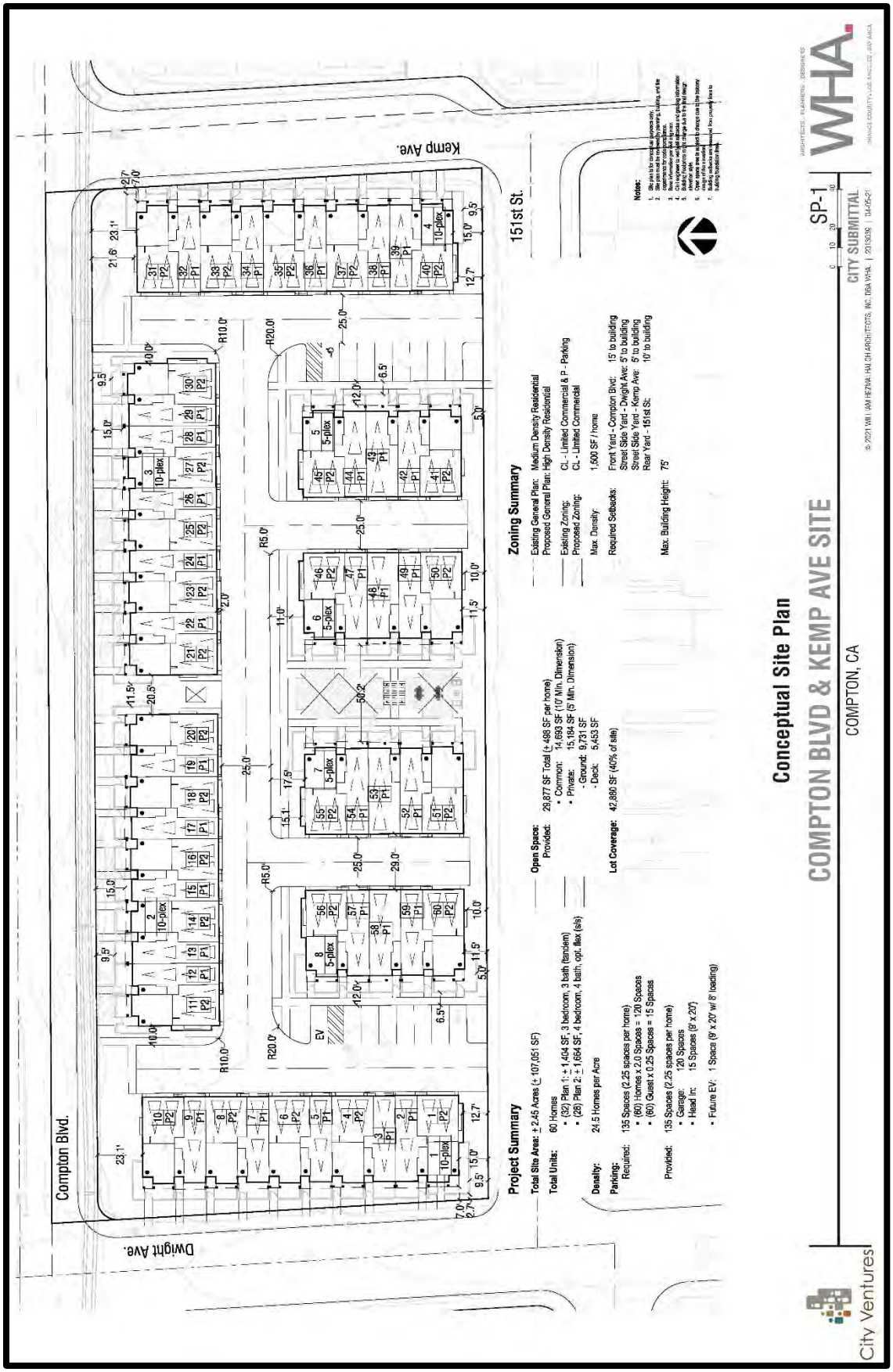
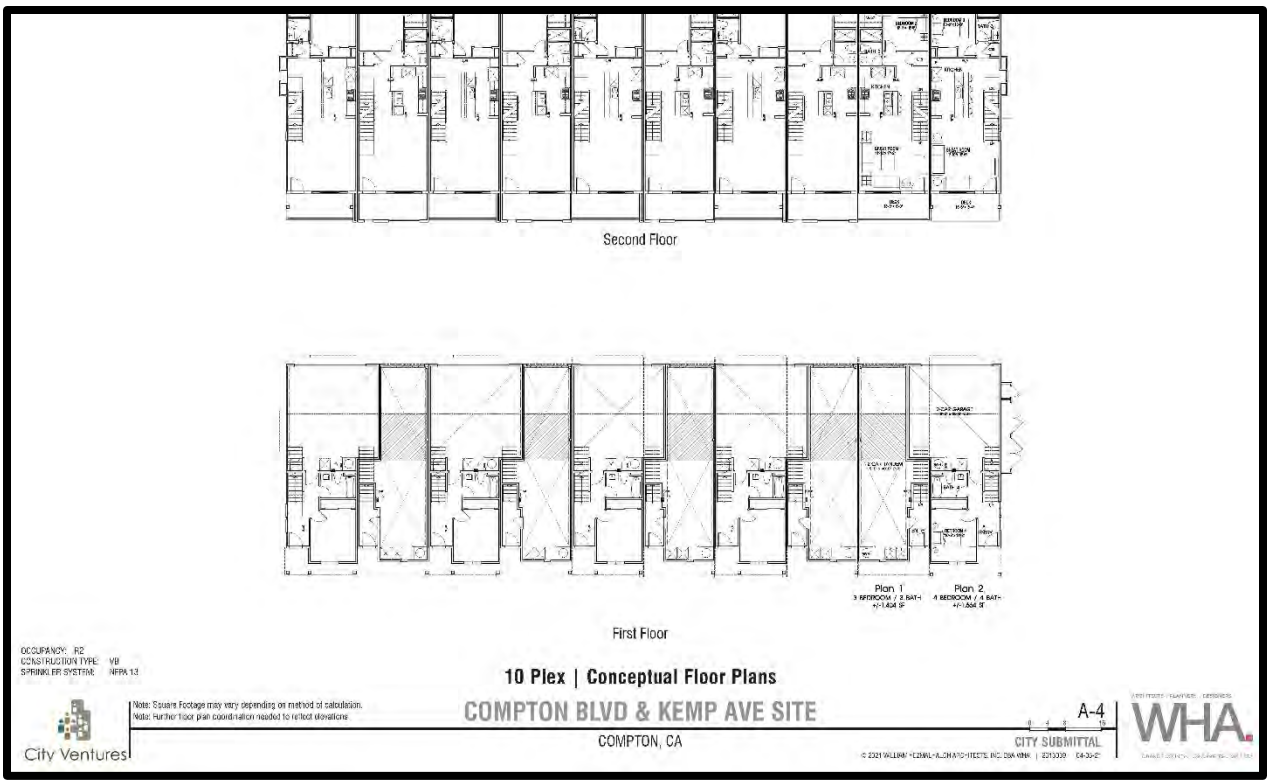


Figure E – Conceptual Site Plan

Figure F – 5 Plex Floor Plans

Figure G – 5 Plex Elevations



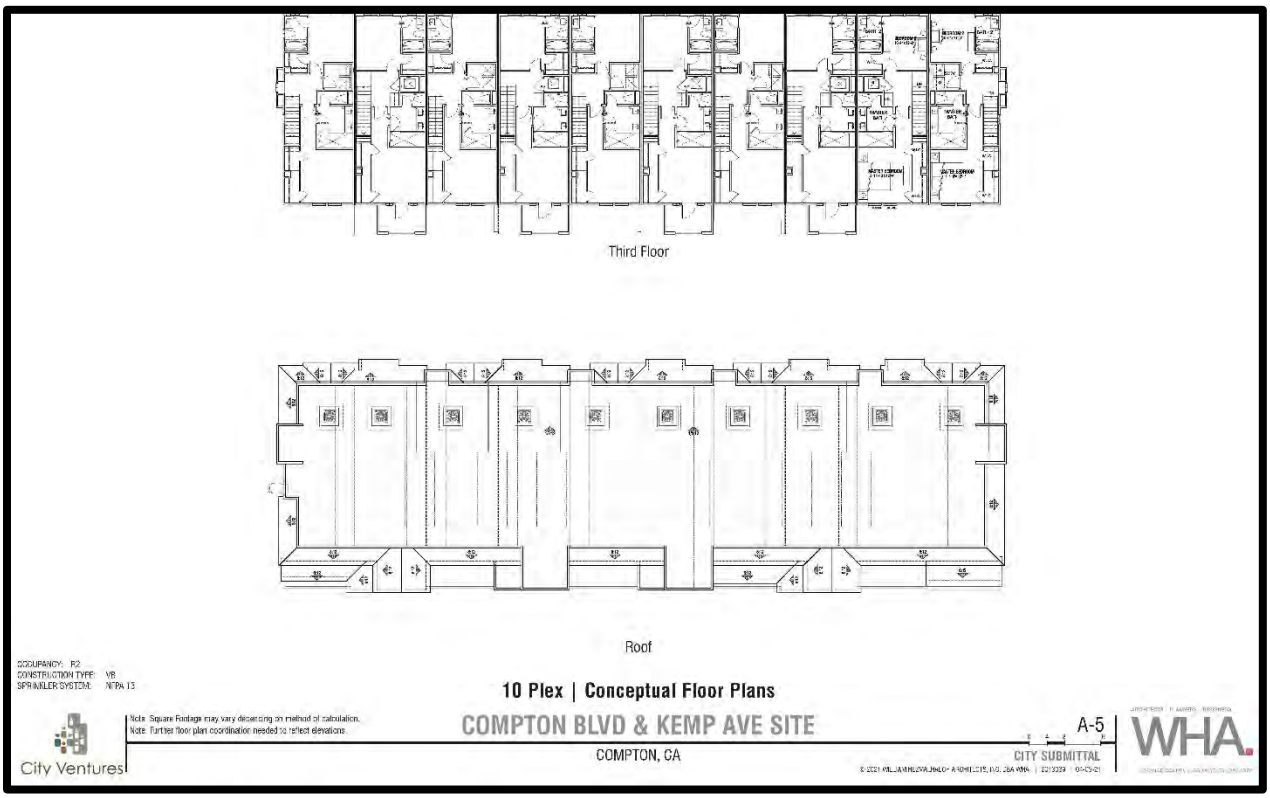


Figure H – 10 Plex Floor Plans

Figure I – 10 Plex Elevations

Figure J – Conceptual Landscape Plans

Site Photo-Looking East into Site from Dwight Ave.

Site Photo-Looking West into Site from Kemp Ave.

Figure K – Photos

Site Photo- Birds-eye | Looking North-West Along Compton Blvd.

Site Photo- Birds-eye | Looking South-East Along 151st Street.

Figure K – Photos

Site Photo-Existing Commercial/Residential Across the Street from Site on Dwight Ave.

Site Photo-Existing Housing Across the Street from Site on Kemp Ave.

Figure K – Photos

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture & Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology & Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology & Water Quality	☐ Land Use & Planning	☐ Mineral Resources
☐ Noise	☐ Population & Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities & Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

DETERMINATION (To be completed by the Lead Agency):

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	Date
Robert Degadillo, City Project Planner	City of Compton
Printed Name	For

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a Lead Agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the Lead Agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect is significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less than Significant Impact." The Lead Agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or another CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a) Earlier Analyses Used. Identify and state where they are available for review.
    b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources. A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify:

   a) the significance criteria or threshold, if any, used to evaluate each question; and
   b) the mitigation measure identified, if any, to reduce the impact to less than significance.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS – Except as provided in Public Resources Code Section 21099 – Modernization of Transportation Analysis for Transit-Oriented Infill Projects – **Would the project:**				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐

Response:

The Project site is relatively flat, vacant, and surrounded by urban development. The proposed three-story residential buildings will complement the surrounding area and will not affect a scenic vista.

The City has evaluated the Project against City standards. The Project has been found, as conditioned, to meet all standards. Therefore, the Project will have a **less than significant impact,** directly, indirectly, or cumulatively on scenic vistas.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐

Response:

The site is bounded by West Compton Boulevard to the north, South Kemp Avenue to the east, South Dwight Avenue to the west, and West 151st Street to the south. Curb, gutter, and sidewalk already exist on West Compton Boulevard, South Kemp Avenue, and South Dwight Avenue. As well, seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees. These trees will be removed during Project construction and replaced with 36" box trees. There will be a one-to-one (1:3) ratio of replacement for each tree. The provisions of Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code will be followed.

Per a review of the CalTrans Scenic Highways Program, no state scenic highways exist in the City of Compton. However, several roadway corridors were highlighted for improvement by the City through design guidelines and regulations, public investment, and private incentives under the 1998 Corridor Improvement Plan. Compton Boulevard is one (1) of these corridors. The City Public Works Department is currently working on the Compton Boulevard Street Design Project, which covers Compton Boulevard between the east and the west City limits. The Public Works Department has reviewed the Project design for consistency with this program.

City staff will ensure that the Project is designed consistent with the City's requirements and the surrounding area. Therefore, the Project will have a **less than significant impact,** directly, indirectly, or cumulatively, on scenic resources within a state or City designated scenic highway/corridor.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐

Response:

The Project is in an urbanized area and has been designed to meet all applicable zoning requirements and other City regulations governing scenic quality. Therefore, the Project will have a **less than significant impact,** directly, indirectly, or cumulatively, on the existing visual character.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☒	☐	☐

Response:

To reduce impacts related to light pollution, the City requires that all developments introducing new light sources, or modifications to existing light sources, to shield all such devices. An exterior lighting plan has been submitted to City for approval. A photometric study and manufacturer's cut sheets of all exterior

lighting on the buildings, landscaped areas, and parking lots was submitted with the exterior lighting plan. All on-site lighting provides a minimum intensity of one-foot-candle at ground level and maximum intensity of ten-foot-candles at ground level throughout the areas serving the public and used for parking, with a ratio of average light to minimum light of four-to-one (4:1). The light sources are shielded to minimize off-site glare, and do not direct light skyward, and are to be directed away from adjacent properties and public rights-of-ways. Lights proposed to be mounted on buildings will be down-lights.

The proposed buildings are designed using an earth tone palette, and the site will include landscaping. Therefore, glare from the buildings should be minimal. Mitigation Measure, **MM AES-1,** will ensure that glare is not a potential issue.

As designed, conditioned, and mitigated, the impacts of lighting and glare will be **less than significant with mitigation,** directly, indirectly, and cumulatively.

MM AES-1: Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone light colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure UD-1 – Urban Design Issue Areas
2. Chapter 30 – Zoning of the Compton Municipal Code
   - Section 30-43.7 – Removal of Landscaping or Trees
3. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code
   - Section 20-4 – Street Trees
4. CalTrans Scenic Highways -- https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways

II.	**AGRICULTURE AND FOREST RESOURCES –** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest protocols adopted by the California Air Resources Board. – **Would the project:**				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒

Response:

The subject site is "*not mapped*" on the Farmland Mapping and Monitoring Program. The "*not mapped*" designation means an area that falls outside of the California Department of Conservation soil survey.

The adjacent properties on all four sides are developed with single-family residential and commercial uses making agricultural uses on the subject site problematic. Development, particularly residential development, can make farming more difficult or costly due to conflicts between non-agricultural and agricultural activities. For example, residents may complain about noise, dust, odors, and low-flying aircraft used to dust or spray crops. Increased restrictions on agriculture processes and other aspects of encroachment on agricultural areas can lower productivity, increase costs, and otherwise impair agricultural operations. The site has been vacant since at least 2005 and was used for a convalescent hospital prior to that time between 1977 and 2005. It is noted that the site was used for light agricultural purposes

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
between 1928 and 1963. Therefore, the Project will have **no impact,** directly, indirectly, or cumulatively on farmland.				
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
Response: The City is primarily an urban environment with no agricultural land under commercial cultivation. The Residential Agriculture (R-A) zoned areas in the City permit private and commercial field crops, orchards, horticultural nurseries, and similar agricultural uses. However, the subject site is zoned C-L and P and is proposed to be zoned R-M-SP-1. These zones do not permit agricultural uses. As well, the site is not subject to a Williamson Act Contract. Therefore, the Project will have **no impact,** directly, indirectly, or cumulatively, on zoning for agricultural use or on a Williamson Act contract.				
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
Response: In Southern California, including the City of Compton, climate and topography limit the types and locations of forest lands and their potential for commercial or industrial timber utilization. Accordingly, there is no existing or currently proposed zoning of forest land, timberland, or Timberland Production Zones within the City. Therefore, the Project would not conflict with the existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production. The Project will have **no impact,** directly, indirectly, or cumulatively.				
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
Response: There is no commercial forestry or timber production industry within the City. Therefore, the Project would not result in the loss of forest land or the conversion of forest land to a non-forest use. The Project will have **no impact,** directly, indirectly, or cumulatively.				
e) Involve other changes in the existing environment which, due to their location or nature, could result in the conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒
Response: As previously indicated, the Project site has not been used for agricultural purposes since 1977 and due to the adjacent residential and commercial uses. Agricultural uses on this site would be problematic. Therefore, the Project would not result in the conversion of farmland to non-agricultural use and will have **no significant impact,** directly, indirectly, or cumulatively.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. California Department of Conservation Important Farmland Finder, accessed September 12, 2019				
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. **Would the project:**				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
Response:				

An Air Quality and Greenhouse Gas Impact Study was prepared for the Project by MD Acoustics. The results follow below.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land-use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required. A proposed project should be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis in the Compton Residential Development Air Quality and Greenhouse Gas Impact Study, neither short-term construction impacts nor long-term operations will result in significant impacts based on the SCAQMD regional and local thresholds of significance.

Therefore, the proposed Project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed Project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed Project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2016, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for consistency with applicable regional plans under CEQA. For this Project, the City of Compton Land Use Plan defines the assumptions represented in the AQMP.

The proposed Project is currently zoned as Limited Commercial (C-L) and Parking (P). It has a land-use classification of Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The Project includes a General Plan Amendment to General Commercial (GC) and a Change of Zone to Limited Commercial Zone (C-L). The Project proposes developing the approximately 2.45-acre Project site with 60 single-family (attached) townhomes at 24.5 dwelling units per acre. Therefore, the proposed Project is not currently consistent with the existing land use designation and zoning.

The General Commercial (1.00 FAR maximum) category allows for a wide range of retail and service commercial uses designed to meet communitywide and sub-regional shopping and service needs. Typical permitted uses include retail businesses, personal service establishments, food and beverage sales, hotels and motels, automotive sales, and repair businesses, as well as low-intensity professional offices and financial institutions. Any use permitted in the Medium-Density and High-Density Residential categories is also allowed in General Commercial. The High-Density Residential General Plan land use designation permits 17.1 to 34 dwelling units per net acre; therefore, as the Project proposes 24.5 dwelling units per acre, it would be consistent with the proposed General Commercial land use designation.

Therefore, once the General Plan Amendment and Change of Zone are approved, the Project would be consistent with the City's land use and zoning designations. Although the Project may initially result in an inconsistency with the AQMP on paper, the inconsistency would not necessarily constitute a conflict

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

with the AQMP. The SCAQMD acknowledges that strict consistency with all aspects of the AQMP is not required in order to make a finding of no conflict. Instead, a project is considered consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The Project would implement contemporary energy-efficient technologies and regulatory/operational programs required per Title 24, CalGreen, and City standards. Generally, compliance with SCAQMD emissions reductions and control requirements also act to reduce project air pollutant emissions. Project compliance with regulatory/operational programs is consistent with and supports overarching AQMP air pollution reduction strategies. Project support of these strategies promotes timely attainment of AQMP air quality standards and would bring the Project into conformance with the AQMP. Therefore, the proposed Project is not anticipated to exceed the AQMP assumptions for the Project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed Project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a **less than significant impact** will occur on the SCAQMD AQMP directly, indirectly, or cumulatively.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐

Response:

Cumulative projects include local development as well as general growth within the Project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would extend beyond any local projects and, when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the Project's air quality must be generic by nature.

The Project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality and the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The Project does not exceed any of the thresholds of significance and therefore is considered **less than significant**.

c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐

Response:

Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the Project by default is required to incorporate these rules during construction.

Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NOx
- 550 lbs/day of CO
- 150 lbs/day of PM10
- 55 lbs/day of PM2.5
- 150 lbs/day of SO2

Projects in the basin with construction-related emissions exceeding any of the emission thresholds are considered significant under SCAQMD guidelines.

Regional Construction Emissions

The construction emissions for the Project would not exceed the SCAQMD's daily emission thresholds at the regional level, as demonstrated in Table below, and therefore would be considered **less than significant**.

Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Grading						
On-Site[2]	1.54	16.98	9.22	0.02	3.30	2.00
Off-Site[3]	0.04	0.03	0.37	0.00	0.11	0.03
Total	**1.59**	**17.01**	**9.59**	**0.02**	**3.41**	**2.03**
Building Construction						
On-Site[2]	1.86	14.60	14.35	0.03	0.70	0.67
Off-Site[3]	0.34	1.58	2.81	0.01	0.84	0.23
Total	**2.20**	**16.18**	**17.17**	**0.04**	**1.54**	**0.90**
Paving						
On-Site[2]	0.96	8.61	11.68	0.02	0.43	0.40
Off-Site[3]	0.06	0.04	0.51	0.00	0.17	0.05
Total	**1.02**	**8.65**	**12.20**	**0.02**	**0.60**	**0.45**
Architectural Coating						
On-Site[2]	29.75	1.30	1.81	0.00	0.07	0.07
Off-Site[3]	0.05	0.03	0.44	0.00	0.15	0.04
Total	**29.80**	**1.34**	**2.26**	**0.00**	**0.22**	**0.11**
Total of overlapping phases[4]	**33.02**	**26.17**	**31.62**	**0.06**	**2.36**	**1.46**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.
[4] Construction, architectural coatings, and paving phases may overlap.

Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed Project have been analyzed using the CalEEMod model. The operating emissions were based on the year 2023, the anticipated opening year for the Project. The summer and winter emissions created by the proposed Project's long-term operations were calculated, and the highest emissions from either summer or winter are summarized in Table below.

Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	2.26	0.95	5.33	0.01	0.10	0.10
Energy Usage[3]	0.03	0.25	0.11	0.00	0.02	0.02
Mobile Sources[4]	0.72	3.08	10.01	0.04	3.22	0.88
Total Emissions	**3.01**	**4.28**	**15.45**	**0.05**	**3.34**	**1.00**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

The table above provides the Project's unmitigated operational emissions. The table shows that the Project does not exceed the SCAQMD daily emission threshold and regional operational emissions are **less than significant**.

The Project does not exceed any of the thresholds of significance and, therefore, is considered **less than significant**.

Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NOx
- 550 lbs/day of CO
- 150 lbs/day of PM10
- 55 lbs/day of PM2.5
- 150 lbs/day of SO2

Local Microscale Concentration Standards

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, a project is considered to significantly impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact on the South Coast Air Basin. To assess local air quality impacts, the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the South-Central Los Angeles County source receptor area (SRA 12) and a disturbance of two acres per day at a distance of 25 meters (82 feet) for construction.

Localized Construction Emissions

The data provided in the table below shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a **less than significant** local air quality impact would occur from constructing the proposed Project.

Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Grading	16.98	9.22	3.30	2.00
Building Construction	14.60	14.35	0.70	0.67
Paving	8.61	11.68	0.43	0.40
Architectural Coating	1.30	1.81	0.07	0.07
Total of overlapping phases	24.52	27.85	1.21	1.14

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
SCAQMD Threshold for 25 meters (82 feet) or less[2]	**65**	**346**	**7**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for two acres in South Central Los Angeles County Source Receptor Area (SRA 12). Project will disturb a maximum of two acres per day (see Table 7 in the Air Quality and Greenhouse Impact Study).
[2] The nearest sensitive receptors are the multiple-family residential land uses located approximately 35 feet (~11 meters) southeast and 50 feet (~15 meters) east of the project site, and the single-family residential land uses located approximately 50 feet (~15 meters) south of the project site; however, according to LST methodology, any receptor located closer than 25 meters should be based on the 25-meter threshold.

Localized Operational Emissions

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential to exceed the State and Federal air quality standards in the Project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

As stated previously, according to SCAQMD LST methodology, LSTs would apply to the operational phase of a project if the project includes stationary sources or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed Project is a residential project and does not include such uses. Therefore, due to the lack of stationary source emissions, **no long-term localized significance threshold analysis is warranted.**

Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during the proposed Project's construction. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015, to describe the algorithms, recommended exposure variates, cancer, and noncancer health values, and the air modeling protocols needed to perform a health risk assessment HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all evaluated substances for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed Project would not result in a substantial long-term source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, **no significant short-term toxic air contaminant impacts would occur** during the construction of the proposed Project.

The Project will have a **less than significant impact** on the exposure of sensitive receptors to substantial pollutant concentrations.

d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?	☐	☐	☐	☒

Response:

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors produced during the construction process are short-term in nature. The odor emissions are expected to cease upon the drying or hardening of the odor-producing materials. Diesel exhaust and VOCs would be emitted during construction of the Project, which are objectionable to some; however, emissions would disperse rapidly from the Project site and therefore should not reach an objectionable level nearest sensitive receptors. Due to the short-term nature and limited amounts of odor-producing materials being utilized, **no significant impact** related to odors would occur during the proposed Project's construction.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the Project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the proposed Project's ongoing operations would include odor emissions from trash storage areas. Due to the distance of the nearest receptors from the Project site and through compliance with SCAQMD's Rule 402, **no significant impact** related to odors would occur during the proposed Project's ongoing operations.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Section 4-4 – Air Quality Improvement Trust Fund of the Compton Municipal Code
3. Chapter 30 – Zoning of the Compton Municipal Code
4. Compton Residential Development Air Quality and Greenhouse Gas Impact Study – prepared by MD Acoustics LLC, April 14, 2021

IV. BIOLOGICAL RESOURCES – Would the project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒

Response:

The Project site is vacant and has been since 2005, with annual weed abatement taking place each year. As such, the site does not support habitat for any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations.

A review of the County of Los Angeles' Geographical Information System files on September 13, 2019, found that the Project site was not located in a biologically sensitive area or a Significant Ecological Area (SEA).

The Project will have **no impact** on habitat for any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒

Response:

The Project site is vacant and has been since 2005, with annual weed abatement taking place each year. As such, the site does not have any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or the California Department of Fish and Game or U.S. Fish and Wildlife Service will have **no impact** on these resources.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
The Project site is vacant and has been since 2005, with annual weed abatement taking place each year. As such, the site does not have any state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) resources and, therefore, will have **no impact** on these resources.				
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with an established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
Response: As noted above, the Project site does not support habitat or species and, therefore, will have **no impact** on established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites.				
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
Response: The site is bounded by West Compton Boulevard to the north, South Kemp Avenue to the east, South Dwight Avenue to the west, and West 151st Street to the south. Curb, gutter, and sidewalk already exist on West Compton Boulevard, South Kemp Avenue, and South Dwight Avenue. As well, seven (7) mature trees exist in the right-of-way on West Compton Boulevard. The trees include five (5) Ficus (Moraceae) and two (2) Jacaranda mimosifolia trees. These trees will be replaced with 36" box trees at a one-to-one (1:3) ratio per the provisions of Section 30-43.7 – Removal of Landscaping or Trees of the Municipal Code. Los Angeles County does have SEA's throughout the County, but a review of the County of Los Angeles' Geographical Information System files on September 13, 2019, found that the Project site was not located in a biologically sensitive area or a SEA. The Project will have **no impact** on local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance				
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or another approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒
Response: As noted above, the Project site does not support habitat or species and, therefore, will have **no impact** on an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or another approved local, regional, or state habitat conservation plan.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code ➢ Section 30-43.7 – Removal of Landscaping or Trees 3. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code ➢ Section 20-4 – Street Trees 4. Los Angeles County General Plan 2008 ➢ Figure 6.3 - Significant Ecological Areas (SEAs)				
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☐	☒
Response: Historical and archaeological resources include the following:				

(1) A resource listed in or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4850 et seq.).

(2) A resource included in a local register of historical resources, as defined in section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.

(3) Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4852)

A review of the National Register of Historic Places Geographic Information System, the California Office of Historic Preservation Website, and the City's General Plan found that Compton is located on one of the oldest communities in Los Angeles County, dating back to 1784 when it was once a part of Rancho San Pedro. One of Compton's first homes, the Heritage House, was built in 1869 and is a State Historic Landmark.

Aerial photographs of the site dating back to 1928 are provided in the Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc. A records review of aerial photography performed for the Phase I Environmental Site Assessment determined the Project site was used for light agricultural purposes between 1928 and 1963. Then by 1977, the property was developed with a convalescent hospital and associated parking. By 2005 the convalescent hospital had been demolished, and the property has been vacant ever since. Therefore, there will be **no impact** on the significance of a historical resource.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☒

Response:

A review of the National Register of Historic Places Geographic Information System, the California Office of Historic Preservation Website, and the City's General Plan found that Compton is located on one of the oldest communities in Los Angeles County, dating back to 1784 when it was once a part of Rancho San Pedro. Archaeological sites exist in the City, but none are located in the area of the subject site. The site has been developed at one time with a convalescent hospital that has since been demolished. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. Therefore, there will be **no impact** on the significance of an archaeological resource.

c) Disturb any human remains, including those interred outside of formally dedicated cemeteries?	☐	☐	☒	☐

Response:

No cemeteries or human remains are known to occur on-site, and it is unlikely that human remains will be uncovered during Project development. Pursuant to CEQA Guidelines 15064.5 (e), in the event of the accidental discovery or recognition of any human remains in any location other than a dedicated cemetery, the following steps shall be taken:

(1) There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

(A) The coroner of the county in which the remains are discovered must be contacted to determine that no investigation of the cause of death is required, and

(B) If the coroner determines the remains to be Native American:

1. The coroner shall contact the Native American Heritage Commission within 24 hours.
2. The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American.
3. The most likely descendent may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains, and any associated grave goods as provided in Public Resources Code Section 5097.98, or

(2) Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance.

(A) The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 24 hours after being notified by the commission.

(B) The descendant identified fails to make a recommendation; or

(C) The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner.

Following the requirements of CEQA Guidelines, 15064.5 (e) will ensure that if human remains are discovered, they will be handled appropriately. Therefore, the Project will have a **less than significant impact** on human remains.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Los Angeles County General Plan 2008
   - Figure 6.8 - Historical and Cultural Resource Sites
4. National Register of Historic Places Geographic Information System, accessed September 13, 2019
5. California Office of Historic Preservation Website, accessed September 13, 2019
6. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018
7. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019

VI. ENERGY – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐

Response:

Construction of the sixty (60) townhomes would require the typical use of energy resources. Energy would be consumed during site clearing, excavation, grading, and construction. The construction process would be typical. No site conditions or Project features would require an inefficient or unnecessary consumption of energy. The Project has been designed in compliance with California's Energy Efficiency

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Standards and 2019 CALGreen Standards (which go into effect on January 1, 2020). These measures include:

- Homes will include Solar and will be all-electric, no natural gas;
- Stormwater drainage and retention during construction;
- Water Conservation;
- Compliance with the City's Landscape & Irrigation Ordinance;
- Construction Site Maintenance and Trash Containment;
- Stormwater/Urban Runoff Management and Discharge Control;
- Air Pollution Reduction;
- Solid Waste Management; and
- All other mandatory CalGreen requirements for residential development.

The operation of the proposed residential units would involve energy for heating, cooling, and equipment operation. These facilities would comply with all applicable California Energy Efficiency Standards and 2019 CALGreen Standards.

Neither the construction nor operation of the Project would result in wasteful, inefficient, or unnecessary consumption of energy or wasteful use of energy resources. Therefore, impacts related to wasteful energy use would be **less than significant**, directly, indirectly, or cumulatively.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Response:

As noted above, the Project has been designed in compliance with California's Energy Efficiency Standards and 2019 CALGreen Standards. The Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency; therefore, impacts would be **less than significant**, directly, indirectly, or cumulatively.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Chapter 15 – Plumbing Code of the Compton Municipal Code
5. Chapter 16 – Electrical Code of the Compton Municipal Code
6. Chapter 17 – Mechanical Code of the Compton Municipal Code
7. Chapter 21 – Integrated Waste Management of the Compton Municipal Code
8. Chapter 23 – Sewer and Water of the Compton Municipal Code
9. Chapter 31 – Runoff Pollution Control of the Compton Municipal Code
10. 2019 California Green Building Standards Code (CALGreen), Title 24, Part 11

VII. GEOLOGY AND SOILS – Would the project:

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐

Response:

Alta California Geotechnical Inc. performed a geotechnical investigation of the property to examine the existing on-site geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and, in large part, control the geologic structure of southern California.

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles southwest of the Puente Hills fault zone, 9.1 miles north Of the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

Surface Rupture

Active faults are not known to exist within the Project area. A review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

Based on this analysis, compliance with an approved Geotechnical report, the California Building Code, and the City of Compton Municipal Code will ensure that risks associated with primary surface ground rupture should be considered "low." Therefore, the potential hazards associated with fault rupture are considered **less than significant,** directly, indirectly, and cumulatively.

ii) Strong seismic ground shaking?	☐	☐	☒	☐

Response:

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

The site has been identified as a "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the Project are presented in Figure 1 of the Geotechnical Report. The structural engineer should verify these parameters. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

Based on this analysis, compliance with an approved Geotechnical report, California Building Code, and the City of Compton Municipal Code will ensure that risks associated with ground shaking are considered **less than significant,** directly, indirectly, and cumulatively.

iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐

Response:

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways, including 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

The more recent sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically induced ground shaking.

Groundwater was not encountered during the geotechnical subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-

high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow stem auger borings and laboratory test results to analyze the liquefaction potential of the young Quaternary alluvium. A description of Alta's analysis and calculations is presented in Appendix E of the Geotechnical Report. A groundwater level of 10 feet below the existing ground surface was assumed. Alta's findings are discussed below under the headings of the specific types of liquefaction, which can be manifested during seismic shaking.

Loss of Bearing:

Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in the geotechnical Report, Alta anticipates that the potential for loss of bearing will be minimal.

Lateral Spreading:

The lateral displacement of surficial blocks of sediment can occur due to liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.); however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen, and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade and that sites underlain by soils with (N1)60 values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

There were no layers within 32 feet of the existing ground surface with (Nl)Go values less than 15 that are susceptible to liquefaction. As such, it is Alta's opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

Settlement:

Settlement due to seismic shaking can occur due to both liquefaction of saturated sediments or rearrangement of dry sand particles. Alta's liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix E of the Geotechnical Report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1 of the Geotechnical Report.

Flow Failure:

Due to the relatively flat nature of the site and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

Implementation of existing state and local laws and regulations concerning soil liquefaction and ground failure is required of all projects in the City. Therefore, impacts related to liquefaction and ground failure would be **less than significant,** directly, indirectly, and cumulatively**.**

iv) Landslides?	☐	☐	☐	☒

Response:

The site is situated on relatively level ground and is not immediately adjacent to any slopes or hillsides that could be potentially susceptible to slope instability. No signs of slope instability in the form of landslides, rockfalls, earth flows, or slumps were observed at or near the subject site during Alta's

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
investigation. As such, risks associated with slope instability should be considered "negligible." Therefore, there will be **no impacts** related to landsliding and slope failure**,** directly, indirectly, and cumulatively**.**				
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
Response: Erosion is a large-scale impact caused by human activity and disturbance of surface soil, wind, and water. Erosion cannot be eliminated, although existing regulations such as the CBC (which includes erosion control measures and best management practices) and NPDES permit requirements can reduce the potential impacts of erosion. No signs of erosion were observed during Alta's field investigation. Risks associated with flooding and erosion should be evaluated and mitigated by the project design Civil Engineer. The Project does propose to export approximately 4,320 cubic yards of soil. No import of soil is expected. Adherence to state and local regulations will reduce impacts related to erosion to **less than significant**, directly, indirectly, and cumulatively.				
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
Response: See Responses VII a iii and iv above, and d below for additional information. Adherence to the recommendations of the geotechnical investigation will ensure that the Project will have a **less than significan**t impact on on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse either directly, indirectly, or cumulatively.				
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
Response: Expansive soils contain certain types of clay minerals that shrink or swell as the moisture content changes; the shrinking or swelling can shift, crack, or break structures built on such soils. Arid or semi-arid areas with seasonal changes of soil moisture experience a much higher frequency of problems from expansive soils than areas with higher rainfall and more constant soil moisture. The California Building Code (CBC) 2016, Volume 2, Chapter 18, Division 1 Section 1803.2 mandates that special foundation design consideration is employed if the soil expansion Index is 20 or greater in accordance with Table 18-1-B. The methodology and scope for a geotechnical investigation are described in UBC Section 1803 and require assessing various factors, such as slope stability, soil strength, adequacy of load-bearing soils, the presence of compressible or expansive soils, and the liquefaction potential. The required content of the geotechnical report includes recommendations for foundation type and design criteria. These recommendations can include foundation design provisions intended to mitigate the effects of expansive soils, liquefaction, and differential settlement. In general, mitigation can be accomplished by combining ground modification techniques (i.e., stone columns, reinforcing nails and anchors, deep soil mixing, etc.), selecting an appropriate foundation type and configuration, and using appropriate building/foundation structural systems. Section 1804.5 Excavation, Grading, and Fill require the preparation of a geotechnical report where a building will be constructed on compacted fill. The International Building Code (IBC) replaced earlier regional building codes (including the Uniform Building Code) in 2000 and established consistent construction guidelines for the nation. In 2006, the IBC was incorporated into the 2007 California Building Code (CBC) and currently applies to all structures being constructed in California. The national model codes are therefore incorporated by reference into				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

the building codes of local municipalities. The CBC includes building design and construction criteria that take into consideration the State's seismic conditions.

Through adherence to state and local seismic and structural regulations (i.e., California Seismic Hazards Mapping Act, California Building Code, Compton Municipal Code, and the NPDES Permit Requirements), the impacts of expansive soils will be **less than significant**, directly, indirectly, or cumulatively.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒

Response:

The Project will be served by the Los Angeles County Sanitation District (LACSD) sewer infrastructure. C&V Consulting, Inc. has prepared a Sewer Area Study. The existing sewer system analyzed in the area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B of the Sewer Area Study for calculations and tabulated results. Therefore, it is concluded that the existing sewer system has adequate capacity for the proposed development.

Therefore, the Project will have **no impact,** directly, indirectly, or cumulatively in regard to septic systems, and the existing sewer system has adequate capacity for the proposed development.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒

Response:

The Project site and the surrounding area, because of its artificial fill and alluvial geology, are not considered to be likely candidates for the discovery of paleontological resources. The likelihood of discovering such materials is also considered low due to the previous disturbance that has occurred on the site and the presence of fill materials. Therefore, the Project will not disturb any paleontological resources, and **no impacts** are anticipated.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure PS-1 – Regional Fault Zones
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
5. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021

VIII. GREENHOUSE GAS EMISSIONS – Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐

Response:

An Air Quality and Greenhouse Gas Impact Study was prepared for the Project by MD Acoustics. The results follow below.

The greenhouse gas (GHG) emissions from Project construction equipment and worker vehicles are shown in the table below. The emissions are from all phases of construction. The total construction emissions amortized over 30 years are estimated at 24.54 metric tons of CO2e per year. Annual CalEEMod output calculations are provided in Appendix B of the Air Quality and Greenhouse Gas Impact Study.

Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	Onsite	Offsite	Total
Grading	9.1	0.5	9.6
Building Construction[2]	480.0	225.7	705.7
Paving	15.6	1.4	17.0
Coating	2.6	1.2	3.8
Total	507.3	228.8	736.1
Averaged over 30 years[2]	17	8	24.54

Notes:
1. $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane, and nitrous oxide).
2. The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.
* CalEEMod output (Appendix B of the Air Quality and Greenhouse Impact Study)

Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The unmitigated operational emissions for the Project are 833.41 metric tons of CO2e per year, as shown in the table below. Therefore, the Project's GHG
emissions do not exceed the SCAQMD draft threshold of 3,000 metric tons CO2e per year for all land uses. Therefore, the proposed Project's GHG emissions are **less than significant**.

Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	13.98	13.98	0.00	0.00	14.08
Energy Usage[3]	0.00	133.38	133.38	0.00	0.00	133.98
Mobile Sources[4]	0.00	615.82	615.82	0.03	0.00	616.58
Solid Waste[5]	5.60	0.00	5.60	0.33	0.00	13.88
Water[6]	1.24	24.94	26.18	0.13	0.00	30.35
Construction[7]	0.00	24.45	24.45	0.00	0.00	24.54
Total Emissions	6.84	812.57	819.42	0.50	0.01	**833.41**
SCAQMD Draft Screening Threshold						**3,000**
Exceeds Threshold?						**No**

Notes:
[1] Source: CalEEMod Version 2016.3.2
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consists of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30-year amortization rate.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emission of greenhouse gases?	☐	☐	☒	☐

Response:

The proposed Project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. The City of Compton does not currently have a Climate Action Plan; therefore, the Project has been compared to the goals of the CARB Scoping Plan and the GHG emissions reduction goal of SB-32.

Scoping Plan

The Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of 14 tons of carbon dioxide for every man, woman, and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This Update identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB released the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates,
and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade Program, which constrains and reduces emissions at covered sources.

Project Consistency with CARB Scoping Plan Policies and Measures1

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel, and vehicle technology programs with long-term climate change goals.	**Consistent.** These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency, including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	**Consistent.** The Project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	**Consistent.** The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards mandatory in the 2019 edition of the Code on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The Project will be subject to these mandatory standards.

High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	**Consistent.** CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the Project are required to comply with the measures and will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	**Consistent.** The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The Project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	**Consistent.** The Project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further, increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	**Consistent.** These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero-emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero-emission and plug-in hybrid light-duty electric vehicles by 2030.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero-emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. New natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement Mobile Source Strategy: Last-Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last-mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	**Consistent**. These are CARB-enforced standards; vehicles that access the Project must comply with the standards and comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction to achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	**Consistent.** The Project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	**Consistent**. The Project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply with the 75 percent reduction required by 2020 per AB 341.
Notes: 1. Source: CARB Scoping Plan (2008 and 2017)	

As the latest 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in the table below. As shown in the table below, the Project is consistent with the applicable strategies and would result in a **less than significant impact**.

SB-32

SB-32 requires the state board to ensure that statewide greenhouse gas emissions are reduced to 40 percent below the 1990 level by 2030. SCAQMD's thresholds used Executive Order S-3-05 goal as the

the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

As the SCAQMD uses EO S-3-05 as the basis for their screening level, and EO S-3-05 includes the long-term goal to reduce greenhouse gas emissions to 80 percent below 1990 levels by 2050, the Project would also be consistent with the goal of SB 32 (to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030). Therefore, projects that meet the current interim emissions targets/thresholds established by SCAQMD would also be on track to meet the reduction targets for 2030. Furthermore, all of the post-2020 reductions in GHG emissions are addressed via regulatory requirements at the State level. The Project will be required to comply with these regulations as they come into effect.

Therefore, as the Project's emissions do not exceed the SCAQMD draft GHG emissions threshold of 3,000 metric tons CO2e per year, the Project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the Project will comply with applicable Green Building Standards and City of Compton's policies regarding sustainability (as dictated by the City's General Plan) and, therefore, will have **a less than significant impact** as noted above.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Section 4-4 – Air Quality Improvement Trust Fund of the Compton Municipal Code
5. Compton Residential Development Air Quality and Greenhouse Gas Impact Study – prepared by MD Acoustics LLC, April 14, 2021

IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☐	☒

Response:

Hazardous materials are highly regulated in California, including how they are transported, used, and stored. The development of a residential project will not result in the transport, use, or storage of massive quantities of hazardous materials. The City relies on the Fire Department's assistance and the County's Department of Environmental Health in the regulation of hazardous materials.

The residents of the Project will store and use various chemicals for routine housekeeping and landscaping purposes. Comparable products will be required for the common recreation areas and general Project maintenance. However, none of these chemicals will be used in sufficient quantities to pose a threat to humans or the environment. Therefore, there will be **no project-related impacts** associated with the hazardous materials**,** directly, indirectly, or cumulatively.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐

Response:

The Project will not create hazards to the public through upset or accident as through the construction process; any hazardous materials will be handled, stored, and used in compliance with all Federal, State, and City regulations. As noted above, the Project will create single-family residences that will store and use various chemicals for routine housekeeping and landscaping purposes. Comparable products will be required for the common recreation areas and general Project maintenance. However, none of these chemicals will be used in sufficient quantities to pose a threat to humans or the environment. Therefore

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
there will be **no project-related impacts** associated with the hazardous materials**,** directly, indirectly, or cumulatively.				
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
Response: The Laurel Street Elementary School (1321 West Laurel Street) is located approximately 641-feet from the closest point of the subject property or a little over a .12 of a mile. Any hazardous materials will be handled, stored, and used in compliance with all Federal, State, and City regulations through the construction process. As noted above, the Project will create single-family residences that will store and use various chemicals for routine housekeeping and landscaping purposes. Comparable products will be required for the common recreation areas and general Project maintenance. However, none of these chemicals will be used in sufficient quantities to pose a threat to humans or the environment. The Project will not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste to cause danger to surrounding schools. Therefore, **no impacts,** directly, indirectly or cumulatively to schools will occur.				
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
Response: Per the Phase I Environmental Site Assessment prepared by Stantec, the subject property is not located on a site included in a list compiled pursuant to Government Code Section 65962.3. The EnviroStor database did indicate that there are sites in the vicinity that may represent Recognized Environmental Conditions (RECs), Historical Recognized Environmental Conditions (HRECs), or de minimis conditions; however, the distance of these other sites from the subject site with respect to and the groundwater flow direction, the native soils, and regulatory status, none of the other sites are expected to affect the soil or groundwater quality at the subject site. Nevertheless, due to the historic use of the property for light agriculture, a Phase II Environmental Site Assessment was performed by Stantec, with six (6) borings occurring on April 24, 2019. Analysis of the borings concluded that the historical agricultural use of the property did not represent a REC or human health risk considering the contemplated residential use of the subject site. It is noted that the City has numerous high-pressure natural gas and petroleum pipelines. One such line, a natural gas line, is located within West Compton Boulevard. The Office of Pipeline Safety of the U.S. Department of Transportation is the primary agency responsible for inspecting and maintaining pipelines running through the City. To ensure safety during construction, all requirements of Section 20-3 – Street Excavations shall be required, as applicable. Therefore, this Project will have **no impact,** directly, indirectly, or cumulatively, in creating a significant hazard to the public or the environment.				
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
Response: The Project is not located within a Los Angeles County Airport Land Use Commission (ALUC) area. The closest Airport is the Compton/Woodley Airport, but the subject site is outside the airport influence area for this airport.				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Given the above guidelines, the Project will have **no impact** on creating a safety hazard for people residing or working in the Project area from airport operations, directly, indirectly, and cumulatively.				
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

Response:

Los Angeles County adopted the All-Hazards Mitigation Plan (AHMP), providing a framework for emergency response. The City also maintains an Emergency Operations Plan (EOP) that documents City policies for responding to major emergencies that threaten life, safety, and property. The plan establishes a chain of command and outlines the responsibilities of various City departments in the event of an emergency. The General Plan establishes Compton Boulevard as an evacuation route.

Two (2) driveways will provide project access off West 151st Street. The Project site is bounded by West Compton Boulevard to the north, West 151st Street to the south, South Kemp Avenue to the east, and South Dwight Avenue to the west. These existing streets are within the City's established street system. The Project will not alter the existing circulation pattern in the Project area. Emergency access and evacuation routes will be unaffected by the Project. In addition, the Project will comply with Section 20-6 – Temporary Street Closures of the Municipal Code should any of the four streets/sidewalks/bicycle lanes need to be temporarily closed during construction.

The Project provides adequate access for emergency vehicles, including adequate street widths and vertical clearance on new streets. Implementation of federal, state, and local laws and regulations in this Project's construction ensures **no impact** on an adopted emergency response plan or evacuation plan.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

Response:

The Project site is not within a fire hazard zone, as defined by the Los Angeles County AHMP, Figure 7-1 – Los Angeles County Very High Fire Hazard Severity Zones. The City maintains its own Fire Department. The Project will not expose people or structures to significant risks associated with wildfires and, therefore, **no impact**, directly, indirectly, or cumulatively will occur.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure PS-2 – Hazards Summary
   - Figure PS-3 – Pipeline Locations
   - Figure PS-4 – Emergency Evacuation Routes
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code
   - Section 20-3 – Street Excavations
   - Section 20-6 – Temporary Street Closures
4. Compton Unified School District website – accessed September 21, 2019
5. Los Angeles County Airport Land Use Commission website and GIS mapping – accessed September 21, 2019
6. Los Angeles County Local All-Hazards Mitigation Plan – adopted 2014
   - Figure 7-1 – Los Angeles County Very High Fire Hazard Severity Zones
7. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018
8. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019

X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

See responses in Section XVX below for further information on water and wastewater.

The existing site is currently vacant, pervious land. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level, with a relative low point near the site's northeast corner. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into the rights-of-way of West Compton Boulevard and South Kemp Avenue. Within West Compton Boulevard and South Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility within West Compton Boulevard, which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and ultimately the Pacific Ocean at San Pedro Bay.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground detention systems, which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flow rate (Allowable Q) provided by the Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H of the Preliminary Hydrology and Hydraulics Study for the Allowable Q provided by LACFCD.

The Project will comply with the requirements of Chapter 31 – Runoff Pollution Control of the Municipal Code. As such, a Preliminary Low Impact Development (LID) Plan has been prepared consistent with the Los Angeles County Department of Public Works LID Manual and the intent of the NPDES storm-water requirements (State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002, dated July 1, 2010).

The Project will be served by the Los Angeles County Sanitation District (LACSD) sewer infrastructure. C&V Consulting, Inc. has prepared a Sewer Area Study. The existing sewer system analyzed in the area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B of the Sewer Area Study for calculations and tabulated results. Therefore, it is concluded that the existing sewer system has adequate capacity for the proposed development.

The Project's design and compliance with existing federal, state, and local water quality laws and regulations related to water quality standards will ensure a **less than significant impact,** directly, indirectly, and cumulatively to water quality and discharge.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐

Response:

The City is located in the Central Basin groundwater basin. The Central Subbasin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. This subbasin is commonly referred to as the "Central Basin." It is bounded on the north by a surface divide called the La Brea high and, on the northeast, and east by emergent, less permeable Tertiary rocks of the Elysian, Repetto, Merced, and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean. The average precipitation throughout the subbasin ranges from 11 to 13-inches, with an average of around 12-inches.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The City uses a blend of predominate groundwater from the Central Basin groundwater basin and surface water imported by the Metropolitan Water District of Southern California (MWD). MWD's imported water sources are a blend of State Water Project water from Northern California and water from the Colorado River Aqueduct. The City has court adjudicated water rights to pump approximately 70 percent of the City's water demand. The City utilizes eight (8) groundwater wells to pump potable water from a natural underground reservoir. The City also has three (3) imported water connections that help supplement the City's water demands.

The Project will be required to comply with City's water-efficiency requirements, including the use of drought-tolerant planting materials and limited landscaping irrigation, as well as all water restrictions imposed by the Los Angeles County Department of Public Works (LACDPW) at the time the Project is constructed. Implementation of these and other applicable requirements, including those noted in Response X a) above, will assure that water-related impacts to groundwater recharge are reduced to **less than significant**, directly, indirectly, and cumulatively.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) Result in substantial erosion or siltation on- or off-site?	☐	☐	☒	☐

Response:

There are no natural drainages on the Project site; the Project will not alter any existing drainage patterns. Proposed drainage will be directed as sheet flow overland and through a series of area drains toward proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to discharging to the existing LACFCD 66" storm drain within West Compton Boulevard. The proposed area drain system will collect surface runoff within landscaped and backyard areas and convey flows directly to the proposed MWS Biofiltration Vaults via the proposed underground storm drain. Street surface flows will be conveyed via the proposed curb and gutter toward two (2) proposed curb-inlet catch basins located along the private drive aisle. The proposed catch basins will be equipped with a Dvert system designed to divert low flows to the proposed MWS Biofiltration Vaults. Treated stormwater will be conveyed via proposed underground storm drain to proposed underground detention systems, which will be outflow controlled to mitigate peak discharge to the existing LACFCD storm drain within West Compton Boulevard. During larger storm events and when the MWS Biofiltration Vaults are at capacity, the Dvert system within the catch basins and an internal bypass within the MWS Biofiltration Vaults will allow for high flows to bypass treatment and flow directly to the proposed detention systems via the proposed storm drain system. Drainage from the site will be conveyed from the detention system to the existing LACFCD 66" storm drain at two (2) points of connection. Upon discharging to the existing LACFCD storm drain, site runoff will follow the historic drainage pattern.

Implementing Best Management Practices (BMPs) required by the City and implemented through the Project's Low Impact Development (LID) Plan will mitigate potential erosion impacts to a **less than significant** level directly, indirectly, and cumulatively.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?	☐	☐	☒	☐

Response:

In addition to Response X a) & b) above, the design and implementation of the basins will be reviewed and approved by the City Engineer as well as the Los Angeles County Department of Public Works (LACDPW) to assure compliance with all applicable local, state, and Federal standards.

Implementation of these and other applicable requirements will assure that drainage and stormwater will not create or contribute water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Therefore, the Project will have a **less than significant impact**, directly, indirectly, or cumulatively to the rate or amount of surface runoff in a manner that would result in flooding on- or off-site.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒	☐
Response: See Response X a) & b) above.				
iv) Impede or redirect flood flows?	☐	☐	☐	☒
Response: No signs of flooding were observed when Alta did their field investigation for the Geotechnical Report. As described throughout this section, the Project will be required to comply with all applicable water quality standards. To further minimize potential water quality degradation, the Project will be connected to the sewer system and on-site/off-site stormwater conveyance system. **No impacts** to Project-related water quality degradation will occur, directly, indirectly, and cumulatively.				
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
Response: A seiche and tsunami are defined below. Since the Project site is not located near a body of water or the ocean, the Project is not subject to these hazards. A seiche is a temporary disturbance or oscillation in the water level of a lake or partially enclosed body of water, especially one caused by changes in atmospheric pressure. Tsunami is a long high sea wave caused by an earthquake, submarine landslide, or other disturbance. The Project site is not located within a 100-year mapped flood zone (FEMA Flood Insurance Rate Map No. 06037C1815F (September 26, 2008). The Project would redirect on-site drainage patterns; however, it would not impede or redirect flood flows. As referenced, all drainage would be managed to ensure pre-construction flows off-site are maintained. The Project would not expose people or structures to flood hazards from severe storm events. Compliance with existing federal, state, and local flood hazard laws and regulations pertaining to the design of the Project will ensure the Project will **not be impacted** by a flood hazard directly, indirectly, or cumulatively.				
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☐	☒
Response: As noted throughout this Section, the Project will comply with all City, County, state, and federal requirements for water quality and sustainable groundwater. Compliance with existing federal, state, and local flood hazard laws and regulations pertaining to the design of the Project will ensure that the Project will have result in **no impact** from a flood hazard impact, directly, indirectly, and cumulatively.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. Chapter 14 – Building and Housing of the Compton Municipal Code 4. Chapter 23 – Sewer and Water of the Compton Municipal Code 5. Chapter 31 – Runoff Pollution Control of the Compton Municipal Code 6. FEMA Flood Map Service Center: Search By Address website, accessed September 22, 2019 7. Los Angeles County Department of Public Works LID Manual 8. State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

9. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
10. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021
11. Preliminary Hydrology and Hydraulics Study – prepared by C&V Consulting Inc., August 2019, Revised, March 2021
12. Preliminary Low Impact Development Plan – prepared by C&V Consulting Inc., August 2019, Revised, March 2021

XI. LAND USE AND PLANNING – Would the project:

a) Physically divide an established community?	☐	☐	☐	☒

Response:

The Project site is vacant land with established single-family residential neighborhoods to the east and south and commercial development to the west and north. An additional sixty (60) townhomes will not divide an existing community but rather will expand an existing community. Therefore, **no impact** either directly, indirectly, or cumulatively will occur to an established community.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Response:

The underlying General Plan designation of MDR – Medium-Density Residential is inconsistent with the existing zoning of C-L – Commercial Limited and P – Parking. To create consistency with the General Plan and the Zoning designation of C-L – Commercial Limited while permitting a 60-unit townhome condominium Project the applicant is proposing to change the General Plan land use designation to General Commercial.

The General Commercial category allows any use permitted in the Medium-Density and High-Density Residential categories. Since the High-Density Residential General Plan land use designation permits 17.1 to 34 du/acre net, the General Commercial land use designation is an appropriate designation for this Project, which proposes 24.5 du/acre.

In addition, the applicant is also proposing to change the existing C-L – Limited Commercial & P – Automobile Parking Zones to the C-L – Limited Commercial Zone. The Limited Commercial Zone (C-L) is established to provide neighborhood, community, and regional retail business areas with related uses.

The proposed General Plan land use designation and zone change will bring consistency between the two land-use maps while implementing the General Plan policies, including the following:

Land Use Element

Policy 2.1 (M): Provide increased market-rate housing opportunities.

Housing Element

Goal 1: The City of Compton will improve the housing supply and the choice of housing opportunities through private investment and, where necessary, through public action and financing.

Policy 2.3: The City of Compton will encourage variety in the supply of housing at costs affordable to the various income levels of the population.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The Project will not result in a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect as the proposed changes are in accordance with the City's plans, policies, and regulations established in the General Plan or Zoning Ordinance; therefore, a **less than significant impact,** directly, indirectly, or cumulatively to will occur.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. City of Compton Adopted 2013 – 2021 Housing Element Update, February 2020
3. Chapter 30 – Zoning of the Compton Municipal Code

XII. MINERAL RESOURCES – Would the project:

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☒	☐

Response:

Mineral deposits are limited to clay deposits used for bricks within the City. However, the City is near a number of active oil fields. The Rosecrans oilfield is located approximately two miles to the west. The East Los Angeles oilfield is located approximately seven (7) miles to the northeast, and the Dominguez oilfield is located approximately five (5) miles to the south. There are also several oil and natural gas wells located in the City. Most of these wells are in the southern portion of the City.

Based on Alta's review of geologic literature and their subsurface investigation, the Project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill, which consists of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff, and medium dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

The artificial fill is most likely a result of the previous convalescent hospital development. As such, the clay within the fill would not be beneficial for the making of brick.

The Surface Mining and Reclamation Act (SMARA) Mineral Land Classification system designates the City as being in the San Gabriel Production-Consumption Region. However, the Project site occurs in an urban setting and is not suitable for mineral resource land uses. The Project will have a **less than significant impact**, directly, indirectly, and cumulatively on mineral resources.

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Response:

The Project site is not delineated on a local general plan, specific plan, or other land use plan and will, therefore, have **no impact**, directly, indirectly, and cumulatively on the availability of important mineral resources.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

3. California Department of Conservation California Geologic Survey CGS Information Warehouse: Mineral Land Classification, GIS, accessed September 22, 2019
4. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019

XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐

Response:

A Noise Impact Study was prepared for the Project by MD Acoustics. The results follow below.

Existing Noise Environment

Four (4) short term ambient noise measurement was conducted at the Project site. The measurements measured the 1-hour Leq, Lmin, Lmax, and other statistical data (e.g., L2, L8). The noise measurement was taken to determine the existing baseline noise conditions.

Short-Term Noise Measurement Results

The results of the short-term noise data are presented in the table below.

SHORT-TERM NOISE MEASUREMENT DATA (dBA)[1]									
Location	**Date**	**Start Time**	**Leq**	**Lmax**	**Lmin**	**L(2)**	**L(8)**	**L(25)**	**L(50)**
Site 1	5/14/2019	10:42 AM	69.6	85.8	45.2	44.9	46.9	54.5	53.9
Site 2	5/14/2019	11:08 AM	73.3	92.3	48.0	55.3	59.0	61.4	65.8
Site 3	5/14/2019	11:16 AM	49.7	91.2	37.4	46.8	47.1	52.4	55.4
Site 4	5/14/2019	11:23 AM	54.1	94.8	41.9	44.9	46.9	54.5	53.9
Notes:									
[1.] Measurements were taken over a ten-minute interval.									

Short-term noise data indicates the ambient noise levels range between 54.1 to 73.3 dBA Leq. The measured noise levels and field notes indicate that traffic noise is the main source of noise impacting the Project site.

Future Noise Environment Impacts and Mitigation

The Noise Impact Study analyzed future noise impacts to the Project and compared the results to the City's Noise Standards. The analysis detailed the estimated exterior noise levels associated with traffic from adjacent roadway sources.

Off-site Traffic Noise Impact

The potential off-site noise impacts caused by the increase in vehicular traffic due to the Project were calculated at a distance of 50 feet. The distance to the 55, 60, 65, and 70 dBA CNEL noise contours are also provided for reference. The noise level at 50 feet is representative of approximate distances to existing homes along the subject roadway. The noise contours were calculated for the following scenarios and conditions:

- LOS D Condition: This scenario refers to the existing year traffic noise condition and is demonstrated in the table below.
- LOS D + Project Condition: This scenario refers to the existing year plus project traffic noise condition and is demonstrated in the table below.

LOS D/LOS D + Project Scenario Comparison

The table below provides the LOS D and LOS D + Project noise conditions and shows the change in noise level due to the proposed Project. As shown in the table, the increase in traffic noise for the Existing and Existing + Project scenario would have a nominal increase of 0.1 dBA at 50 feet from the centerline of the subject roadway.

LOS D Without Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	36	78	169	363

Change in LOS D + Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	37	79	171	367

Change in LOS D Noise Levels as a Result of Projects

Roadway[1]	Segment	CNEL at 50 Feet dBA[2]			
		Existing Without Project	Existing With Project	Change in Noise Level	Potential Significant Impact
Compton Blvd	Wilmington Ave to S Central Ave	68	68.0	0.1	No

Notes:
[1] Exterior noise levels calculated at 5 feet above ground level.
[2] Noise levels calculated from the centerline of the subject roadway.

On-site Traffic Noise Impact

Traffic noise from the local roadway network was evaluated and compared to the City's Exterior Noise standard. Per the City's Exterior Noise Standard (Table N-2 from the City's General Plan, Noise Element), the residential noise limit is 65 dBA CNEL. As shown in the table above, Existing Plus Project traffic 65 dBA CNEL noise projections from Compton Boulevard will reach up to 79 feet from the centerline of the road. Residential structures are located approximately 50-feet away from the centerline of Compton Boulevard and have a projected noise level of 68 dBA. It should be noted that the existing noise level exceeds the 65 dBA noise limit, so 68 dBA becomes the standard.

Future Interior Noise

The future interior noise level was calculated for the sensitive receptor locations using a typical "windows open" and "windows closed" condition. A "windows open" condition assumes 12 dBA of noise attenuation from the exterior noise level. A "windows closed" condition" assumes 20 dBA of noise attenuation from the exterior noise level. The table below indicates the first and second-floor interior noise levels for the Project site.

Future Interior Noise Levels (dBA CNEL)

Location	Roadway Noise Source	Exterior Facade Study Location	Noise Level at Building Facade1	Interior Noise Reduction Required to Meet Interior Noise Standard of 45 dBA CNEL	Interior Noise Level w/ Typical Residential Windows (STC≥ 25)		STC Rating for Windows Facing Subject Roadway4
					Window Open2	Windows Closed 3	
1st Row Units Along Northern Property Line	Compton Blvd	1st Floor	68	23	56	48	26
		2nd Floor	68	23	56	48	26

Notes:
1. Noise level from Table 5 of the Noise Impact Study and from worksheets Appendix C of the Noise Impact Study.
2. A minimum of 12 dBA noise reduction is assumed with a "windows open" condition.
3. A minimum of 20 dBA noise reduction is assumed with a "windows closed" condition.
4. Indicates the required STC rating to meet the interior noise standard.

As shown in the table above, the interior noise level will range from 56 dBA CNEL with the windows open and 48 dBA CNEL with the windows closed.

To meet the City's interior 45 dBA CNEL standard, a "windows closed" condition is required. The windows and sliding glass doors directly facing Compton Boulevard will require a minimum STC rating of 26 for the 1st and 2nd floors (**MM NOI-1**). A "windows closed" condition simply means that to achieve a 45 dBA CNEL interior noise level, the windows must be closed, and does not mean the windows must be fixed.

Therefore, the Project will have a **less than significant impact with mitigation** on interior noise.

MM NOI-1: The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.

Construction Noise Impact

The degree of construction noise may vary for different areas of the Project site and vary depending on the construction activities. Noise levels associated with the construction will vary with the different phases of construction.

Construction Noise

The Environmental Protection Agency (EPA) has compiled data regarding the noise-generated characteristics of typical construction activities. The data is presented in the table below.

Typical Construction Noise Levels[1]

Equipment Powered by Internal Combustion Engines

Type	Noise Levels (dBA) at 50 Feet
Earth Moving	
Compactors (Rollers)	73 - 76
Front Loaders	73 - 84
Backhoes	73 - 92
Tractors	75 - 95
Scrapers, Graders	78 - 92

Pavers	85 - 87
Trucks	81 - 94
Materials Handling	
Concrete Mixers	72 - 87
Concrete Pumps	81 - 83
Cranes (Movable)	72 - 86
Cranes (Derrick)	85 - 87
Stationary	
Pumps	68 - 71
Generators	71 - 83
Compressors	75 - 86

Impact Equipment

Type	Noise Levels (dBA) at 50 Feet
Saws	71 - 82
Vibrators	68 - 82
Notes: [1] Referenced Noise Levels from the Environmental Protection Agency (EPA)	

Construction is anticipated to occur during the permissible hours according to the City's General Plan. Construction noise is considered a short-term impact and would be considered significant if construction activities are taken outside the allowable times described in the City's General Plan (Section 7-12.22). Construction noise will have a temporary or periodic increase in the ambient noise level above the existing noise level within the Project vicinity. Furthermore, noise reduction measures are provided to reduce construction noise further. The construction noise impact is considered less than significant; however, construction noise level projections are provided.

Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Noise levels will be loudest during the grading phase. A likely worst-case construction noise scenario during grading assumes the use of a grader, a dozer, an excavator, and three (3) backhoes operating at 80 feet from the nearest sensitive receptor.

To ensure that construction activities do not disrupt the adjacent land uses, mitigation measures for noise reduction **MM NOI-2** through **MM NOI-6** shall be required.

The Project will have a **less than significant impact with mitigation** on the generation of temporary or permanent increases in ambient noise levels in the vicinity of the Project.

MM NOI-2: Construction shall occur during the hours of 7:00 AM to 7:00 PM.

MM NOI-3: Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.

MM NOI-4: Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.

MM NOI-5: During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.

MM NOI-6: Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

MM NOI-7: Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible.

b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐

Response:

Construction activities can produce a vibration that may be felt by adjacent land uses. The Project's construction would not require the use of equipment such as pile drivers, which are known to generate substantial construction vibration levels. The primary vibration source during construction may be from a bulldozer. A large bulldozer has a vibration impact of 0.089 inches per second peak particle velocity (PPV) at 25 feet, which is perceptible but below any risk to architectural damage.

The fundamental equation used to calculate vibration propagation through average soil conditions and distance is as follows:

$$PPV_{equipment} = PPV_{ref} (100/D_{rec})^{n}$$

Where: PPV_{ref} = reference PPV at 100ft.
D_{rec} = distance from equipment to receiver in ft.
n = 1.1 (the value related to the attenuation rate through ground)

The Caltrans Transportation and Construction Induced Vibration Guidance Manual thresholds in the table below provide general thresholds and guidelines as to the vibration damage potential from vibratory impacts.

Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Table 19, Transportation and Construction Vibration Guidance Manual, Caltrans, Sept. 2013.
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

At a distance of 80 feet, a large bulldozer would yield a worst-case 0.025 PPV (in/sec), which slightly perceptible, but sustainably below any risk of damage (0.5 in/sec PPV is the threshold of residential structures). The impact is **less than significant**, and no mitigation is required.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Response:

The Project site is located outside the noise contours for the Compton/Woodley Airport and will have **no impact** on exposing people to excessive airport noise levels.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure N-1 – Existing CNEL Nos Contours
   - Figure N-2 – Existing Airport Noise Contours
   - Figure N-3 – Future CNEL Noise Contours

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
• Figure N-4 – Future Airport Noise Contours • Table N-1 – Noise/Land Use Compatibility Matrix • Table N-2 – Interior and Exterior Noise Standards 3. Chapter 30 – Zoning of the Compton Municipal Code 4. Section 7-12 – Noise of the Compton Municipal Code 5. Compton Residential Development Noise Impact Study – prepared by MD Acoustics LLC, April 14, 2021				
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of road or other infrastructure)?	☐	☐	☒	☐
Response: The City's General Plan establishes the development potential of the City to accommodate the City's growth. The Project, as proposed, will help to accommodate that growth but will not induce it. The Project site is located on existing streets, and utilities and public facilities are all available in the immediate area. No new road or utility infrastructure is required. Project-related impacts are expected to be **less than significant.**				
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
Response: The Project site is vacant and will not displace any persons or require the construction of replacement housing. Therefore, there is **no impact** on housing.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code				
XV. PUBLIC SERVICES – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?	☐	☐	☒	☐
Response: The Project is located approximately .9 miles from Fire Station #1, located at 201 South Acacia Avenue, three (3) minutes away. As a result, fire personnel will reach the site within the average 4.5-minute response time. The Fire Department will approve the Project site plan to ensure it meets applicable fire standards and regulations. The Fire Department will review the Project for compliance with all Fire Codes. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on fire services, directly, indirectly, and cumulatively.				
ii) Police protection?	☐	☐	☒	☐
Response: Police protection is provided by the Los Angeles County Sheriff's Department. The Project site is served by the Compton Station, located at 301 South Willowbrook Avenue. Emergency response times throughout the City average 2.5-minutes.				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
The Project provides two (2) access points for the Police Department off of West 151st Street. The Police Department will review the Project for compliance with all Safety Codes. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on police services, directly, indirectly, and cumulatively.				
iii) Schools?	☐	☐	☒	☐

Response:

The Project is located within the service area boundary of the Compton Unified School District. The closest school to the Project site is the Laurel Street Elementary School (1321 West Laurel Street), located approximately 641-feet from the closest point of the subject property or a little over a .12 of a mile. The Project is required to pay the state-mandated school fees in place at the time that development occurs. These fees are designed to mitigate impacts to schools by providing funds for the construction of new facilities. By implementing all regulations and City and School District policies for development projects, the Project will have a **less than significant** impact on schools, directly, indirectly, and cumulatively.

iv) Parks?	☐	☐	☒	☐

Response:

The City of Compton Parks and Recreation Department maintains 14 local parks that encompass 60 acres of parkland. The nearest parks to the subject property are Gonzales, Walter R. Tucker, and Wilson Parks.

The Project will increase the demand for public parks. The City imposes a fee for residential projects of $4779.06 per unit. This fee is designed to reduce the impacts of new development on City park facilities. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on parks, directly, indirectly, and cumulatively.

v) Other public facilities?	☐	☐	☒	☐

Response:

The Project will result in a minor increase in demand for City services and facilities, including recreational trails and library services. This increase is consistent with the General Plan Vision 2010 projections for these facilities. It will be offset by the increased property and sales tax generated by the build-out of the Project. Therefore, impacts to other public facilities are **less than significant**, directly, indirectly, and cumulatively.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure OS-1 – Conservation/Open Space/Parks and Recreation Plan
   - Figure PF-1 – Public Facilities
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 7 – Police Regulations of the Compton Municipal Code
4. Chapter 8 – Public Safety of the Compton Municipal Code
5. Chapter 14 – Building and Housing of the Compton Municipal Code
6. Chapter 22 – Fire Prevention and Protection of the Compton Municipal Code
7. Chapter 18 – Public Parks and Playgrounds of the Compton Municipal Code

XVI. RECREATION – Would the project:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐

Response:

The City of Compton Parks and Recreation Department maintains 14 local parks that encompass 60 acres of parkland. The nearest parks to the subject property are Gonzales, Walter R. Tucker, and Wilson Parks.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The Project will increase the demand for public parks. However, it will not increase the demand over that planned under the General Plan Vision 2010. The City imposes a fee for residential projects of $4779.06 per unit. This fee is designed to reduce the impacts of new development on City park facilities. By implementing all regulations and City policies for development projects, the Project will have a **less than significant** impact on parks, directly, indirectly, and cumulatively.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which have an adverse physical effect on the environment?	☐	☐	☐	☒

Response:

The Project does provide some open space areas. It will not require the construction or expansion of recreational facilities as the site was planned for residential development under the General Plan Vision 2010. Therefore, the Project will have **no impact** on recreational facilities, causing an adverse effect on the environment.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure OS-1 – Conservation/Open Space/Parks and Recreation Plan
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 18 – Public Parks and Playgrounds of the Compton Municipal Code

XVII. TRANSPORTATION – Would the project:				
a) Conflict with program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☒	☐	☐

Response:

CITY OF COMPTON GENERAL PLAN 2010 – CIRCULATION ELEMENT

MASTER PLAN OF STREETS AND HIGHWAYS

Compton Boulevard is proposed in the General Plan as a Secondary Highway. A Secondary Highway has an 80-foot right-of-way with a 60-feet curb-to-curb. Currently, Compton Boulevard is already built and designed to the General Plan standards.

West 151st Street, South Kemp Avenue, and South Dwight Avenue are local streets, and the Project will build the half-width of each of these streets wherever it is currently missing.

ALTERNATIVE MODES OF TRANSPORTATION

Pedestrian and Bicycles

Sidewalks and curb ramps at intersections are present in the study area, except on the east side of South Dwight Avenue along the Project's frontage and on the north side of West 151st Street along the Project's frontage, where they are absent. The Project will complete sidewalks adjacent to the Project site for use by pedestrians.

The Bicycle Master Plan (May 2015) proposes a Class IV Protected Bicycle Lane on West Compton Boulevard. However, the Plan does not indicate which side of West Compton Boulevard the lane is proposed for, and the City Engineer has not requested that the Project accommodate such a lane. Therefore, the Project will have a **less than significant impact** on on-site roadway and site access improvements.

Public Transit Services

The City of Compton is served by Los Angeles Metro, which provides bus service throughout Los Angeles County. The figure below shows the Metro routes in the vicinity of the City of Compton. Additionally, the Compton Renaissance Transit System provides limited local service within the City of Compton.

There is one bus route within one-quarter mile of the Project site. Metro Route 51/351 travels between the Wilshire/Vermont Purple Lane Station to the Compton Transit Center. In the Project's vicinity, Route 51/351 runs along West Compton Boulevard with a stop at the West Compton Boulevard/South Dwight Avenue intersection adjacent to the Project site. Route 51/351 runs from 5:00 AM to 10:00 PM on weekdays with headways of 20-35 minutes and weekends with 30-45 minute headways.

TEMPORARY TRAFFIC IMPACTS FROM CONSTRUCTION

The Project will be export approximately 4,320-cubic yards of dirt during the grading stage of construction, which is approximately 308 truckloads. The Project will follow the requirements of Section 20-3.12 – Care of Excavated Material for trenching within the streets and Section 14-1.13 – Appendix Chapter 33 Excavation and Grading of the Municipal Code.

To ensure that construction trips will not significantly impact the area mitigation measure, **MM TRAF-1** is proposed. Implementing **MM TRAF-1** will ensure that construction trips will be **less than significant with mitigation** and will not significantly impact the roadway system.

MM TRAF-1: Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal Code Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

CITY CAPITAL IMPROVEMENT PROGRAM (CIP)

There are no CIP projects proposed for West Compton Boulevard, South Kemp Avenue, West 151st Street, and South Dwight Street. Adherence to all Engineering requirements for the adjacent streets will ensure no impact on the City's CIP, directly, indirectly, and cumulatively.

HIGHWAY SAFETY IMPROVEMENT PROJECT GRANTS FOR COMPTON BOULEVARD

The City has received funding from two Highway Safety Improvement Project grants (HSIP Cycle 7 and 8) to improve Compton Boulevard. The Cycle 7 grant includes the installation of raised medians and Class II bicycle lanes on Compton Boulevard from Willowbrook Avenue to eastern City limits. The Cycle 8 grant includes the installation of bike lanes and lighting, as well as enhanced pedestrian crossings at 15 intersections on Compton Boulevard from Willowbrook Avenue to Central Avenue. Additional street improvements for the entire length of Compton Boulevard to complete both grants will utilize other various funding sources.

The City is currently in the design phase for Compton Boulevard and has not identified the type of street trees that would be included. Therefore, the streetscape for this project will be reviewed by the City for consistency with the development of the grant plans.

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY CMP

The Los Angeles County Metropolitan Transportation Authority Congestion Management Program (CMP) designates certain roadways as CMP facilities. West Compton Boulevard, South Kemp Avenue, West 151st Street, and South Dwight Avenue are not covered by the CMP.

Consistent with state statute, all local jurisdictions within Los Angeles County, including the County of Los Angeles, adopted and are currently implementing the Land Use Analysis Program. Generally, jurisdictions adopt resolutions or ordinances based on the model Land Use Analysis Program resolution in Appendix D of the CMP. Future modifications to the jurisdiction's adopted Land Use Analysis Program must be submitted to MTA prior to local adoption. These documents will be kept on file as evidence of local CMP implementation.

Techniques that jurisdictions have found useful in implementing and coordinating Land Use Analysis Program requirements include:

- Incorporating CMP Land Use Analysis Program requirements and related information into project/permit applications and guidance packages provided to project applicants.
- Incorporating a CMP reference into Initial Study checklists.
- Adding CMP-related requirements and information into standard Requests for Proposals and contracts for EIR consultants.
- Adding MTA and other area transit operators to standard mailing lists used for CEQA related notices.

Since this Project does not include any CMP-designated roadways or there would be **no impact** under the CMP's guidelines, directly, indirectly, or cumulatively.

SUMMARY

Therefore, the Project as designed and conditioned will have a **less than significant impact with mitigation**, directly, indirectly, and cumulatively on any program plans, ordinances, or policies addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐

Response:

Coordination with City staff has identified the use of OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA (2018)*. OPR's Technical Advisory document outlines the screening criteria, a

threshold of significance, and requirements for VMT assessment of land use projects. Outlined in the Technical Advisory, the VMT threshold of significance has been identified as fifteen (15) percent below existing residential VMT per capita. In addition, the document outlines a variety of acceptable mitigation measures. This memorandum utilizes the *California Air Pollution Control Officers Association (CAPCOA) Qualifying Greenhouse Gas Mitigation Measures (2010)* for purposes of mitigation and VMT reduction.

The Project is surrounded by residential uses and will complement the adjacent area. Outlined in the CAPCOA document, travel demand measures are provided, reducing a project's VMT. Of particular note, LUT-01 references an increase in density and its impact on VMT; projects with increased densities reduce greenhouse gas emissions associated with traffic in several ways. Considering the proposed Project's density and applying the LUT-01, the Project's VMT can be reduced by 15.56%. As the Project's density can reduce the proposed Project's VMT by 15.56% (greater than 15%), it is assumed the project will have a **less than significant transportation impact**.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐

Response:

Wherever necessary, roadways adjacent to the proposed project site and site access points should be constructed in compliance with recommended roadway classifications and respective cross-sections in the City of Compton General Plan Circulation Element or as directed by the City Engineer. The City Engineer has reviewed the Project, and the only possible hazard was one of stopping sight distance for the Project Driveways. As such, a Sight Distance Analysis was prepared.

Sight Distance Analysis

A sight distance analysis for the Project driveway has been prepared based on the "stopping sight distance" requirements determined by Topic 201 and Table 201.1 of the *Caltrans Highway Design Manual* (HDM), latest edition. The table below shows the minimum stopping sight distances based on the design speed, as displayed in Table 201.1 of the HDM.

Stopping Sight Distance

Design Speed (mph)	Stopping Sight Distance (ft)
25	**150**
30	200
35	250
40	300
45	360
50	430

Source: Table 201.1, Highway Design Manual (July 2, 2018) Note: mph = miles per hour; ft = feet

In this analysis, the movements being analyzed at the Project Driveway intersections are movements from the exiting vehicles onto West 151st Street. Since there is no posted speed limit on West 151st Street between South Dwight Avenue and South Kemp Avenue, the 85th percentile speed is assumed to be 25 miles per hour.

Exhibit 9 displays the sight distance conditions at the project driveway in relation to the existing sidewalk, striping, and parking on 151st Street. The exhibit shows the required 15-foot setback from the edge of travel way and the 15-feet of sight distance required based on the assumed 85th percentile speed of 25 miles per hour.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

As shown in ***Exhibit 9***, the stopping sight distance requirements would be impaired by existing parking 151st Street west and east of the driveways. To meet the stopping sight distance standard, approximately 348 feet of red-curb would need to be painted on the north side of 151st Street.

However, the traffic engineer, TJW, notes that Section 405.1 of the Highway Design Manual recommends that parking restrictions on urban driveways be set per California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 3B.19. Section 3B.19 recommends a clearance of six-feet measured from the curb return should be provided at both sides of a driveway. It is TJW's recommendation that the CA MUTCD guidance be followed and a clearance of 6-feet be provided at both sides of the driveway.

Therefore, with the implementation of mitigation measure, **MM TRAF-2,** the Project will have a **less than significant impact** on sight distance for the driveway on West 151st Street.

MM TRAF-2: Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.

d) Result in inadequate emergency access?	☐	☐	☐	☒

Response:

The Project provides adequate access on-site for emergency vehicles (i.e., police and ambulance services) and can be accessed from all four sides by the Fire apparatus. The Project has been reviewed by the City Engineer and the City Fire Department and, as designed, will have **no impact** on emergency access.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
   - Figure C-1 – Standard Street Cross Sections
   - Figure C-2 – Master Plan of Streets and Highways
   - Figure C-3 – Public Transit Plan
   - Figure C-4 – Truck Routes
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
   - Section 14-1.13 – Appendix Chapter 33 Excavation and Grading of the Compton Municipal Code
4. Section 20-3.12 – Care of Excavated Material of the Compton Municipal Code
5. Compton Bicycle Master Plan (May 2015)
   - Figure 5-4 – Recommended Bikeway Network
6. Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)
7. Los Angeles County Metropolitan Transportation Authority Congestion Management Program (CMP)
8. Compton & Kemp Traffic Impact Analysis – prepared by TJW Engineering, Inc., September 24, 2019
   - Exhibit 9 – Sight Distance Analysis
9. Traffic & Parking Analysis: Compton & Kemp Residential Project – Supplemental Traffic Analysis Memo – prepared by TJW Engineering, Inc., February 26, 2021

XVIII. TRIBAL CULTURAL RESOURCES – Would the project:

a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☐	☐	☒

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
A review of the National Register of Historic Places Geographic Information System, the California Office of Historic Preservation Website, and the City's General Plan found that Compton is located on one of the oldest communities in Los Angeles County, dating back to 1784 when it was once a part of Rancho San Pedro. Archaeological sites exist in the City, but none are located in the area of the subject site. The site has been developed at one time with a convalescent hospital that has since been demolished. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. Pursuant to AB 52 and SB 18 consultation with California Native American tribes requesting consultation within the City commenced on April 19, 2021. The six (6) tribes notified of this Project include the following tribes. • Gabrieleno Band of Mission Indians - Kizh Nation • Gabrieleno/Tongva San Gabriel Band of Mission Indians • Gabrielino/Tongva Nation • Gabrielino Tongva Indians of California Tribal Council • Gabrielino Tongva Tribe • Soboba Band of Luiseño Indians The 60-day response period for AB 52 will end on June 18, 2021. The 90-day response period for SB 18 will end on July 19, 2021. The City will consult with all tribes requesting a consultation and will coordinate the appropriate mitigation, if any into this environmental review. Therefore, there will be **no impact** on listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k).				
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒
Response: As noted above, archaeological sites exist in the City; however, none are located in the subject site as the site has been developed at one time with a convalescent hospital that has since been demolished. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. As well, the City has started both AB 52 and SB 18 and AB 52 Tribal Consultations as noted above. The disturbance of the property during this previous construction and demolition did not produce any archaeological resources. Therefore, it is anticipated the Project will have **no impact** on resources significant to a California Native American Tribe.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. Los Angeles County General Plan 2008 ➢ Figure 6.8 - Historical and Cultural Resource Sites 4. National Register of Historic Places Geographic Information System, accessed September 13, 2019 5. California Office of Historic Preservation Website, accessed September 13, 2019 6. Phase I Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., April 27, 2018				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
7. Phase II Environmental Site Assessment 930 Compton Boulevard – prepared by Stantec Consulting Services, Inc., May 8, 2019				
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐

Response:

Water

See also responses Section X above and XIX b) below for additional information.

Water Supply Assessment

Senate Bill (SB) 610 (Chapter 643, Statutes of 2001; Water Code Sections 10910–10915) made changes to the Urban Water Management Planning Act to require additional information in UWMPs if groundwater is identified as a source available to the supplier. The information required includes a copy of any groundwater management plan adopted by the supplier, a copy of the adjudication order or decree for adjudicated basins, and if non-adjudicated, whether the basin has been identified as being over-drafted or projected to be over-drafted in the most current DWR publication on that basin. If the basin is in overdraft, that plan must include current efforts to eliminate any long-term overdraft. A key provision in SB 610 requires that large development projects supplied with water from a public water system and subject to CEQA be provided a specified water supply assessment, except as specified in the law. Large development projects include 500 or more residential units, 500,000 square feet of retail, commercial space, or 250,000 square feet of office commercial space. These assessments, prepared by "public water systems" responsible for service, address whether there are adequate existing or projected water supplies available to serve proposed projects, in addition to urban and agricultural demands and other anticipated development in the service area in which the project is located.

SB 221 (Chapter 642, Statutes of 2001; Government Code Section 66473.7) prohibits approval of subdivisions consisting of more than 500 dwelling units unless there is verification of sufficient water supplies for the project from the applicable water supplier(s). This requirement also applies to approvals that would increase the number of service connections by 10% or more for public water systems with less than 500 service connections. The law defines criteria for determining "sufficient water supply," such as using normal, single-dry, and multiple-dry year hydrology and identifying the amount of water that the supplier can rely on to meet existing and future planned uses. Rights to extract additional groundwater, if used for the project, must be substantiated.

The Project proposes 60 townhomes served by the City of Compton Municipal Water District (CMWD). Since the Project proposes less than 500 dwelling units, a water supply assessment (WSA) was not required.

The City of Compton Municipal Water District (CMWD) has two major sources of water. It currently has access to 5,780 acre-feet of groundwater that is supplied via seven (7) wells. Water is pumped from these wells and flows into a grid system, distributed using a gravity-fed system via 163 miles of 2 to 24-inch diameter pipes. In addition, the Metropolitan Water District of Southern California (MWD) supplies approximately 30-60% of the City's water demand. MWD has three active interconnections to the City. The purchased water from MWD augments the water from the wells via the distribution system and flows into four 3-million-gallon welded steel-plate storage tanks for a total of 12,000 million gallons of storage. These tanks take up any fluctuations in system pressure or flow deficiencies.

CMWD will provide water to the site via one (1) six (6)-inch point of connection in West 151st Street at the westernmost driveway and one connection in Compton Boulevard. Per the CMWD's 2010 Urban Water Management Plan (UWMP), CMWD has the supply needed to meet the demand of its customers through 2030 based on the land use designations of the General Plan Vision 2010. The conclusion is

based on the Metropolitan Water District (MWD) assurances that it would be able to supply member agency demands and the reliability of local groundwater supplies achieved through groundwater management plans. CMWD has committed to providing service to the planned uses of the General Plan, and this Project is consistent with the City's General Plan. The Project will not require or result in the relocation or construction of new or expanded water lines or facilities, which could cause significant environmental effects. Therefore, the Project will have a **less than significant effect**, directly, indirectly, or cumulatively, on water facility expansion.

Wastewater Treatment

See also response Section X above and XIX c) below for additional information.

Sanitary sewage from the Project site will be connected to the existing 12-inch sanitary sewer line located in West Compton Boulevard through the new lines proposed within the newly created streets within the Project. The wastewater will then be transported to the Los Angeles County Sanitation District (LACSD) sewage system.

Wastewater in the City of Compton is collected by the LACSD sewage system and sent to one of eleven treatment or wastewater plants. At these plants, the wastewater goes through a three-stage treatment process consisting of primary, secondary, and tertiary treatment stages. After tertiary treatment, water is available for use to recycled water customers, use for groundwater recharge, or discharged into the ocean. Although the City of Compton is not part of a recycled water system, wastewater collected from the City is treated to recycled water standards and can be distributed through the LACSD's recycled water supply system.

LACSD implements all requirements of the Regional Water Quality Control Board pertaining to water quality and wastewater discharge. LACSD's Recycled Water System accepts approximately 500 million gallons per day of wastewater, which is sent to 11 wastewater treatment plants. The treated water is distributed throughout the recycled water distribution system.

LACSD has the capacity to process the wastewater planned under the General Plan Vision 2010, and this Project is consistent with the General Plan Vision 2010. The addition of the proposed Project will not significantly impact LACSD's capacity, and impacts associated with wastewater treatment will be **less than significant**, directly, indirectly, and cumulatively.

All new development is required to comply with all provisions of the NPDES program and the City's Municipal Separate Sewer Permit (MS4), as enforced by the Regional Water Quality Control Board (RWQCB). The Project is consistent with the General Plan proposing residential units. Compliance with the City's, LACSD's, all Waste Discharge Requirements outlined by the RWQCB, as well as requirements included in the NPDES permit, SWPPP, LID, and wastewater conveyance standards would ensure that wastewater discharges coming from the Project site and treated by the wastewater treatment facility system would not exceed applicable RWQCB wastewater treatment requirements or capacity. Impacts would be **less than significant with mitigation**, directly, indirectly, or cumulatively.

Storm Water Drainage

The existing site is currently vacant, pervious land. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level, with a relative low point near the site's northeast corner. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into the rights-of-way of West Compton Boulevard and South Kemp Avenue. Within West Compton Boulevard and South Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility within West Compton Boulevard, which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and ultimately the Pacific Ocean at San Pedro Bay.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground detention systems, which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flow rate (Allowable Q) provided by the Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H of the Preliminary Hydrology and Hydraulics Study for the Allowable Q provided by LACFCD.

The Project will comply with the requirements of Chapter 31 – Runoff Pollution Control of the Municipal Code. As such, a Preliminary Low Impact Development (LID) Plan has been prepared consistent with the Los Angeles County Department of Public Works LID Manual and the intent of the NPDES storm-water requirements (State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002, dated July 1, 2010.

The Project will not impact the existing stormwater management systems significantly. The Project will result in an incremental increase in the volume of stormwater; however, the City will require that the incremental increase in volume be managed on-site. The preparation of site-specific hydrology studies, water management plans, and Project design and compliance with existing federal, state, and local water quality laws and regulations related to water quality standards will ensure a **less than significant impact,** directly, indirectly, and cumulatively to stormwater facilities.

Electric Power

Electric power is provided to the site by Southern California Edison (SCE). The Project will utilize a 400-amp service for the 5-plex buildings and an 800-amp service for the 10-plex buildings. The services will be connected to existing 12kV 120/208, 3-phase distribution lines in West Compton Boulevard. SCE has committed to providing service to the planned uses of the General Plan, and this Project is consistent with the City's General Plan. The Project will not require or result in the relocation or construction of new or expanded electric power, which could cause significant environmental effects. Therefore, the Project will have a **less than significant** effect on electric power expansion.

Natural Gas

The Project will not utilize natural gas. Southern California Gas Company has natural gas lines in West Compton Boulevard (four-inch) and within the adjacent streets (two-inch). The Project will not require or result in the relocation or construction of new or expanded natural gas facilities power, which could cause significant environmental effects. Therefore, the Project will have a **less than significant** effect on natural gas facility expansion.

Telecommunications Facilities

Both Charter and AT&T have lines on the existing 80-foot high poles along West Compton Boulevard. These lines are to be protected in place. Therefore, the Project will have a **less than significant** effect on telecommunication facility expansion.

Summary

As noted above and in responses Section X and XIX b) above of this document, the Project will be **less than significant** directly, indirectly, or cumulatively, on the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐

Response:

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact

The Project proposes 60 townhomes; a water supply assessment from CMWD, the water purveyor, is not required.

As noted above, the water usage for the Project is consistent with the predicted use and growth identified in the UWMP, insofar as the CMWD based its planning on land use designations in its service district.

The Project will tie into existing domestic water lines in West 151st Street. No new wells or additional water infrastructure, or entitlements will be required.

The Project will be required to implement all water conservation measures imposed by CMWD under normal and drought conditions over the life of the Project. The Project will be required to implement any emergency measures in effect when the Project is developed.

As the Project is consistent with the General Plan Vision 2010 upon which CMWD has made their assumptions for planned water availability and compliance with all State and local regulations, impacts to water supplies will be **less than significant**, directly, indirectly, and cumulatively.

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐

Response:

See also response Section X and XIX a) above for additional information.

Sanitary sewage from the Project site will be connected to the existing 12-inch sanitary sewer line located in West Compton Boulevard through the new lines proposed within the newly created streets within the Project. The wastewater will then be transported to the Los Angeles County Sanitation District (LACSD) sewage system.

The Project will be served by the Los Angeles County Sanitation District (LACSD) sewer infrastructure. C&V Consulting, Inc. has prepared a Sewer Area Study. The existing sewer system analyzed in the area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B of the Sewer Area Study for calculations and tabulated results. Therefore, it is concluded that the existing sewer system has adequate capacity for the proposed development.

Wastewater in the City of Compton is collected by the LACSD sewage system and sent to one of eleven treatment or wastewater plants. At these plants, the wastewater goes through a three-stage treatment process consisting of primary, secondary, and tertiary treatment stages. After tertiary treatment, water is available for use to recycled water customers, use for groundwater recharge, or discharged into the ocean. Although the City of Compton is not part of a recycled water system, wastewater collected from the City is treated to recycled water standards and can be distributed through the LACSD's recycled water supply system.

LACSD implements all requirements of the Regional Water Quality Control Board pertaining to water quality and wastewater discharge. LACSD's Recycled Water System accepts approximately 500 million gallons per day of wastewater, which is sent to 11 wastewater treatment plants. The treated water is distributed throughout the recycled water distribution system.

LACSD has the capacity to process the wastewater planned under the General Plan Vision 2010, and this Project is consistent with the General Plan Vision 2010. Compliance with the City's, CMWD's, all Waste Discharge Requirements outlined by the RWQCB, as well as requirements included in the NPDES permit, SWPPP, LID, and wastewater conveyance standards would ensure that wastewater discharges coming from the Project site and treated by the wastewater treatment facility system would not exceed applicable RWQCB wastewater treatment requirements or capacity. Impacts would be **less than significant**, directly, indirectly, or cumulatively.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐

Response:

Republic Services will provide trash collection. Republic Services transports solid waste local transfer stations for recycling, with the non-recyclable waste disposed of at local landfills. With the implementation of the City's and Republic Services recycling programs, the City continues to divert waste from the landfill. Therefore, landfill capacity is available to accommodate this Project, and the Project will have a **less than significant impact**, directly, indirectly, and cumulatively on landfills.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒

Response:

Federal, State, and local statutes and regulations regarding solid waste generation, transport, and disposal are intended to assure adequate landfill capacity through mandatory reductions in solid waste quantities (for example, through recycling and composting of green waste) and the safe and efficient transportation of solid waste. The Project will comply with all regulatory requirements regarding solid waste, including AB 939 and AB 341. AB 939, which the California Department of Resources Recycling and Recovery administered, required local governments to achieve a landfill diversion rate of at least 50 percent by January 1, 2000, through source reduction, recycling, and composting activities. Moreover, AB 341 increases the minimum solid waste diversion rate to 75 percent by 2020. Such regulations will apply to this Project, and compliance is mandatory. Further, mandates set forth by the CALGreen Code aim to reduce solid waste generation and promote recycling and diversion design and activities, to which this Project is required to comply. There will be **no impacts,** directly, indirectly or cumulatively, regarding compliance with Federal, State, and local statutes and regulations related to solid waste.

Sources:

1. Compton General Plan Vision 2010, adopted December 3, 1991
2. Chapter 30 – Zoning of the Compton Municipal Code
3. Chapter 14 – Building and Housing of the Compton Municipal Code
4. Chapter 23 – Sewer and Water of the Compton Municipal Code
5. Chapter 31 – Runoff Pollution Control of the Compton Municipal Code
6. 2010 Urban Water Management Plan (UWMP), City of Compton Water District
7. FEMA Flood Map Service Center: Search By Address website, accessed September 22, 2019
8. Los Angeles County Department of Public Works LID Manual
9. State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010
10. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019
11. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, Revised April 2021

XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, **would the project:**				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

Response:

As stated in the response in Section IX above, the City's Emergency Operation Plan describes the City's process for responding to emergencies or disasters.

Project access will be provided by two driveways off West 151st Street and then via the internal street system. The proposed Project will not alter the existing circulation pattern in the Project area. Emergency access and evacuation routes will be unaffected by the proposed Project.

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
The Project provides adequate access for emergency vehicles, including adequate street widths and vertical clearance on new streets. Implementation of federal, state, and local laws and regulations in this Project's construction ensures **no impact** on an adopted emergency response plan or evacuation plan.				
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
Response: In addition to response Sections VII and IX above, the Project site is not located within a Very High Fire Hazard Classification area. As well, the site is relatively flat and surrounded by residential uses. Therefore, the Project will not exacerbate wildfire risks and will have **no impact**, directly, indirectly, or cumulatively, to the exposure of pollutant concentration from a wildfire or the uncontrolled spread of a wildfire.				
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts on the environment?	☐	☐	☐	☒
Response: The Project will not require the installation or maintenance of the associated infrastructure that would exacerbate fire risk or that may result in temporary or ongoing impacts on the environment and as such, will have **no impact**, directly, indirectly, or cumulatively.				
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒
Response: See Sections VII and IX above. The Project site is not located within a Very High Fire Hazard Classification area. The site is situated on relatively level ground and is not immediately adjacent to any slopes or hillsides that could be potentially susceptible to slope instability. No signs of slope instability in the form of landslides, rockfalls, earth flows, or slumps were observed at or near the subject site during Sladden's investigation. The Project site is not located within a 100-year mapped flood zone (FEMA Flood Insurance Rate Map No. 06037C1815F (September 26, 2008). The Project would redirect on-site drainage patterns; however, it would not impede or redirect flood flows. As referenced, all drainage would be managed to ensure pre-construction flows off-site are maintained. The Project would not expose people or structures to flood hazards from severe storm events. Therefore, the Project will have **no impact**, directly, indirectly, or cumulatively, as it is not expected to have a wildland fire on site and therefore, will not expose people or structures to significant risk from flooding or landslides as a result of a post-wildfire.				
Sources: 1. Compton General Plan Vision 2010, adopted December 3, 1991 2. Chapter 30 – Zoning of the Compton Municipal Code 3. Chapter 14 – Building and Housing of the Compton Municipal Code 9. Chapter 20 – Streets and Sidewalks of the Compton Municipal Code • Section 20-3 – Street Excavations • Section 20-6 – Temporary Street Closures				

ISSUES & SUPPORTING INFORMATION SOURCES:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
10. Los Angeles County Local All-Hazards Mitigation Plan – adopted 2014 • Figure 7-1 – Los Angeles County Very High Fire Hazard Severity Zones 4. Geotechnical Investigation 930 West Compton Boulevard – prepared by Alta California Geotechnical Inc., May 6, 2019 5. Sewer Area Study TTM No. 82807– prepared by C&V Consulting, Inc., September 2019, April 2021				
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☐	☒
Response: In Section IV (Biological Resources), and Sections V (Cultural Resources), and XVIII (Tribal Cultural Resources), it is noted that the Project was once developed with a convalescent hospital and is surrounded by urban development. As such, the site does not provide biological habitat. Due to the previous ground disturbance, the Project will have **no impact** on biological resources or eliminate important examples of significant periods of California history or pre-history.				
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current project, and the effects of probable future projects.)?	☐	☐	☒	☐
Response: The Project will contribute to the cumulative impacts of development in the City of Compton and the broader area. However, the Project is in conformance with the City's General Plan, and therefore, it will have a **less than significant** impact cumulatively.				
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐
Response: Effects on human beings were evaluated as part of the Air Quality, Energy, Geology and Soils, Greenhouse Gas Emissions, Hazards, and Hazardous Materials, Hydrology and Water Quality, Land Use/Planning, Population and Housing, Public Services, Recreation, and Utilities sections of this Initial Study and were found to be **less than significant** for each of the above sections. The effects on human beings were evaluated as part of the Aesthetics, Noise, Transportation, and Wildfire sections of this Initial Study and were found to be **less than significant with mitigation**. Based on the analysis and conclusions in this Initial Study, the Project will not cause substantial adverse effects, directly or indirectly, to human beings. Therefore, potential direct and indirect impacts on human beings that result from the proposed Project are **less than significant with mitigation measures MM AES-1, MM AES-2, MM NOI-1** through **MM NOI-6,** and **MM TRAF-1** and **MM TRAF-2.**				

February 26, 2021

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING CONSULTANTS

Ms. Kim Prijatel
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Subject: **Traffic & Parking Analysis: Compton & Kemp Residential Project – Supplemental Traffic Analysis**

Dear Ms. Prijatel,

TJW ENGINEERING, INC. (TJW) is pleased to submit this supplemental traffic analysis for the proposed Compton & Kemp residential project in the City of Compton. The project site is bound by Compton Boulevard to the north, Kemp Avenue to the east, W 151st Street to the south and Dwight Avenue to the west. A Traffic Impact Analysis was completed for the project in September 2019. Since then, the proposed project has been modified from 24 single-family dwelling units to 60 multi-family dwelling units. This supplemental traffic analysis is to provide an overview of the modifications to the proposed project. The project is anticipated to be built and generating trips in 2022. Site access is planned at two driveways on W 151st Street. The Project's site plan is shown in **Exhibit 1**.

All methodologies outlined in the September 2019 study are followed and utilized in this memorandum, including trip distribution. The 2019 peak turning movement volumes were used in this report and a 2% annual growth was applied to the 2019 data to establish the project baseline year for 2021.

Trip Generation Analysis

Table 1 shows the revised trip generation of the proposed project. Dwight Avenue at Compton Boulevard was the study intersection previously analyzed for its level of service which include the following study scenarios; project baseline year, opening year without project, and opening year with project. The proposed project's anticipated trip generation has increased by 212 daily trips 10 AM peak hour trips and 10 PM peak hour trips from the September 2019 study.

Table 1: Trip Generation

Proposed Land Use[1]	Quantity	Unit[2]	Daily Trips (ADTs)		AM Peak Hour			PM Peak Hour		
			Rate	Volume	Volume			Volume		
					In	Out	Total	In	Out	Total
Multifamily Housing (Low-Rise) (220)	60.0	DU	7.32	439	6	20	28	21	12	34

1: Rates from ITE Trip Generation (10th Edition, 2017).
2: DU = Dwelling Units

Traffic Analysis – Level of Service (LOS)

Traffic volumes consist of (2019) traffic counts plus application of an annual ambient growth rate to establish the project baseline year, which in this case is (2021). The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to the (2019) traffic counts to account for ambient traffic growth.

Project baseline year traffic volumes (2021) = ((2019) traffic counts * 1.02^2)

Project opening year traffic volume conditions include another 2.0 percent growth rate projected trips associated with ambient growth and any nearby cumulative projects, consistent with the September 2019 traffic impact analysis.

Project opening year traffic volumes (2022) = (project baseline year traffic volumes (2021* 1.02)

The intersection analysis AM and PM peak hour results are shown in ***Table 2***. ICU analysis sheets are attached to the Appendix for reference.

Table 2: Intersection Analysis

Int	N/S	E/W	Control Type	Peak Hour	Target LOS	Project BaselineYear (2021)		Opening Year Without Project (2022)		Opening Year With Projet (2022)		Change	Impact?
						ICU/Delay[1]	LOS	ICU/Delay[1]	LOS	ICU/Delay[1]	LOS		
1	Dwight	Compton	Signal	AM	E	0.420	A	0.426	A	0.432	A	0.006	No
				PM		0.425	A	0.432	A	0.434	A	0.002	No

Note: ICU = Intersection Capacity Utilization. Delay shown in seconds for worst performing stop-controlled movement at driveways

As shown in ***Table 2***, the intersection is currently operating at an acceptable level of service for both AM and PM peak hours. The intersection is projected to continue to operate at an acceptable level of service during the AM and PM peak hours for project opening year (2022) without and with project conditions. Based on the City of Compton's threshold of significance, the opening year with project (2022) conditions is not projected to have a significant impact at the study intersection.

Parking Analysis

The proposed project has been changed from 24 single-family dwelling units to 60 multi-family dwelling units. *Table 30.-21.A Parking Space Requirements* in the City of Compton Zoning Code contains minimum parking requirements for various land uses in the City.

Condominiums and townhouses are required to provide two enclosed spaces per dwelling unit plus one guest space for every four units. The proposed project would be required to provide 120 enclosed parking spaces and 15 guest spaces. A total of 135 parking spaces are being proposed for the 60 multifamily dwelling units, meeting city parking code requirements.

As reported in the September 2019 study providing access to the proposed project will result in a loss of 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue due to the construction of two driveways with 6-feet of red curb on both sides of the driveways.

TJW collected on-street parking counts on the streets surrounding the project site in the afternoon and evening on Wednesday June 19th, 2019 from 4:00 PM to 12:00 AM to assess the existing parking inventory and occupancy. Evening hours were chosen since the overnight period is the peak period of parking demand for the residential uses adjacent to the site. Since the on-street parking supply is not striped, the inventory of each block face was projected based on observations in the field. And measurements of curb space.

The parking areas assessed were the south side of Compton Boulevard between Dwight Avenue and Kemp Avenue, both sides of Dwight Avenue between Compton Boulevard and 151St Street, both sides of 151st Street between Dwight Avenue and Kemp Avenue, and both sides Kemp Avenue between Compton Boulevard and 151st Street. A total of 94 on-street parking spaces were observed with a maximum demand of 61 vehicles (65 percent occupancy).

Although the project is expanding the number of dwelling units, the project will provide adequate parking per city parking code requirement. In addition, based on the parking data collection from the September 2019 report, there is adequate on-street parking availability nearby to accommodate any displacement from the loss of 6-8 on-street parking spaces on 151st Street.

VMT Analysis

Senate Bill (SB) 743 was adopted in 2013 requiring the Governor's Office of Planning and Research (OPR) to identify new metrics for identifying and mitigating transportation impacts within the California Environmental Quality Act (CEQA). For land use projects, OPR has identified Vehicle Miles Traveled (VMT) as the new metric for transportation analysis under CEQA. The regulatory changes to the CEQA guidelines that implement SB 743 were approved on December 28th, 2018 with an implementation date of July 1st, 2020 as the new metric.

Coordination with City staff has identified the use of OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA (2018)*. OPR's Technical Advisory document outlines the screening criteria, threshold of significance, and requirements for VMT assessment of land use projects. Outlined in the Technical Advisory, the VMT threshold of significance has been identified as fifteen (15) percent below existing residential VMT per capita. In addition, the document outlines a variety of acceptable mitigation measures. This memorandum utilizes the *California Air Pollution Control Officers Association (CAPCOA) Qualifying Greenhouse Gas Mitigation Measures (2010)* for purposes of mitigation and VMT reduction.

The project is surrounded by residential uses and will complement the adjacent area. Outlined in the CAPCOA document, travel demand measures are provided which can reduce a project's VMT. Of particular note, LUT-01 references an increase in density and its impact to VMT; project's with increased densities reduces greenhouse gas emissions associated with traffic in several ways. Taking into consideration the proposed project's density and applying the LUT-01, the project's VMT can be reduced by 15.56% (**Table 3**, below). As the project's density can reduce the proposed project's VMT by 15.56% (greater than 15%), it is assumed the project will have a less than significant transportation impact.

Table 3: *Project VMT*

VMT Reductions	
LUT-1 (Increase Density)	15.56%

Source: CAPCOA QGGMM (2010)

If you have any questions regarding this letter or project, please feel free to contact us at (949) 878-3509.

Sincerely,

Thomas Wheat, PE, TE
Principal
TJW Engineering, Inc.

David Chew, PTP
Transportation Planner
TJW Engineering, Inc.

Daniel Flores, EIT
Project Engineer
TJW Engineering, Inc.

Exhibit 1: Proposed Project Site Plan

Not to Scale

Appendix – Level of Service Analysis Sheets

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.420

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Peak Hour Factor	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	0	5	6	0	15	3	204	0	4	282	5
Total Analysis Volume [veh/h]	3	0	22	23	0	58	12	815	1	18	1129	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.01	0.00	0.04	0.01	0.21	0.21	0.01	0.30	0.30
Intersection LOS	A											
Intersection V/C	0.420											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.425

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	0	4	2	0	5	7	319	1	3	152	9
Total Analysis Volume [veh/h]	1	0	15	8	0	19	30	1276	5	12	608	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.34	0.34	0.01	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.425											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.426

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	0	20	21	0	54	11	757	1	16	1048	19
Peak Hour Factor	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	0	5	6	0	15	3	208	0	4	288	5
Total Analysis Volume [veh/h]	3	0	22	23	0	59	12	832	1	18	1152	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.01	0.00	0.04	0.01	0.22	0.22	0.01	0.31	0.31
Intersection LOS	A											
Intersection V/C	0.426											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.432

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	0	15	8	0	18	30	1263	5	12	602	36
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	0	4	2	0	5	8	326	1	3	155	9
Total Analysis Volume [veh/h]	1	0	15	8	0	19	31	1302	5	12	621	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.34	0.34	0.01	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.432											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.432

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	3	0	20	21	0	53	11	742	1	16	1027	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	8	0	4	0	0	0	0	0	0	0	2	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	11	0	24	21	0	54	11	757	1	16	1050	19
Peak Hour Factor	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100	0.9100
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	0	7	6	0	15	3	208	0	4	288	5
Total Analysis Volume [veh/h]	12	0	26	23	0	59	12	832	1	18	1154	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.02	0.01	0.00	0.04	0.01	0.22	0.22	0.01	0.31	0.31
Intersection LOS	A											
Intersection V/C	0.432											

Intersection Level Of Service Report
Intersection 1: Dwight Avenue at Compton Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.434

Intersection Setup

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	75.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Dwight Avenue			Dwight Avenue			Compton Boulevard			Compton Boulevard		
Base Volume Input [veh/h]	1	0	15	8	0	18	29	1238	5	12	590	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200	1.0200
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	5	0	2	0	0	0	0	0	0	0	1	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	6	0	17	8	0	18	30	1263	5	12	603	36
Peak Hour Factor	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700	0.9700
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	0	4	2	0	5	8	326	1	3	155	9
Total Analysis Volume [veh/h]	6	0	18	8	0	19	31	1302	5	12	622	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	60
Lost time [s]	4.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	2	0	0	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.34	0.34	0.01	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.434											

Compton & Kemp Residential
Traffic Impact Analysis
City of Compton, California

Prepared for:
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92618

Prepared by:
TJW ENGINEERING, INC.
6 Venture, Suite 225
Irvine, CA 92618

September 24, 2019

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING CONSULTANTS

September 24, 2019

Ms. Kim Prijatel
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Subject: Traffic & Parking Analysis: Compton & Kemp Residential Project, City of Compton

Dear Ms. Prijatel:

TJW ENGINEERING, INC. (TJW) is pleased to present you with this revised traffic impact analysis for the proposed **Compton & Kemp Residential** project in the City of Compton.

This traffic study has been prepared to meet the traffic study requirements for the City of Compton and address comments provided on the draft report by City staff on August 8, 2019. This report is being submitted to you for review and forwarding to the City of Compton.

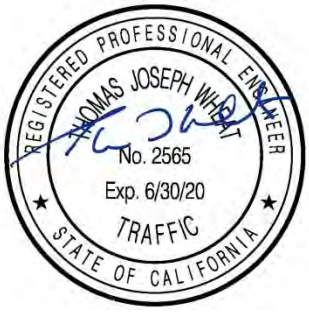
Please contact us at (949) 878-3509 if you have any questions regarding this analysis.

Sincerely,

Thomas Wheat, PE, TE
President

Jeff Weckstein
Transportation Planner

Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*



COMPTON & KEMP RESIDENTIAL PROJECT
TRAFFIC IMPACT ANALYSIS
City of Compton

Prepared for:

CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Prepared by:

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

6 Venture, Suite 225
Irvine, CA 92618
Thomas Wheat, PE, TE
Jeffrey Weckstein

September 24, 2019
JN: CVR-19-001

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1.0 EXECUTIVE SUMMARY

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site, located at 930 West Compton Boulevard, is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

The following signalized intersection in the vicinity of the project site has been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff.

- Dwight Avenue [runs north-south (NS)] at Compton Boulevard [runs east-west (EW)].

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

1.1 SUMMARY OF ANALYSIS RESULTS

No significant impacts are projected in the study area as a result of the proposed project, based on the City of Compton's thresholds of significance. Therefore, the proposed project should not be responsible for implementing any off-site improvements, except for improvements related to the project driveways.

The study intersection is projected to operate at an acceptable LOS (LOS D or better) for all analysis scenarios.

The proposed project will result in the loss of 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue based on California Manual on Uniform Traffic Control Devices (CA MUTCD) guidelines for urban driveways. There would still remain adequate on-street parking capacity on the streets adjacent to the proposed project site. The proposed project satisfies minimum off-street parking requirements.

2.0 INTRODUCTION

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

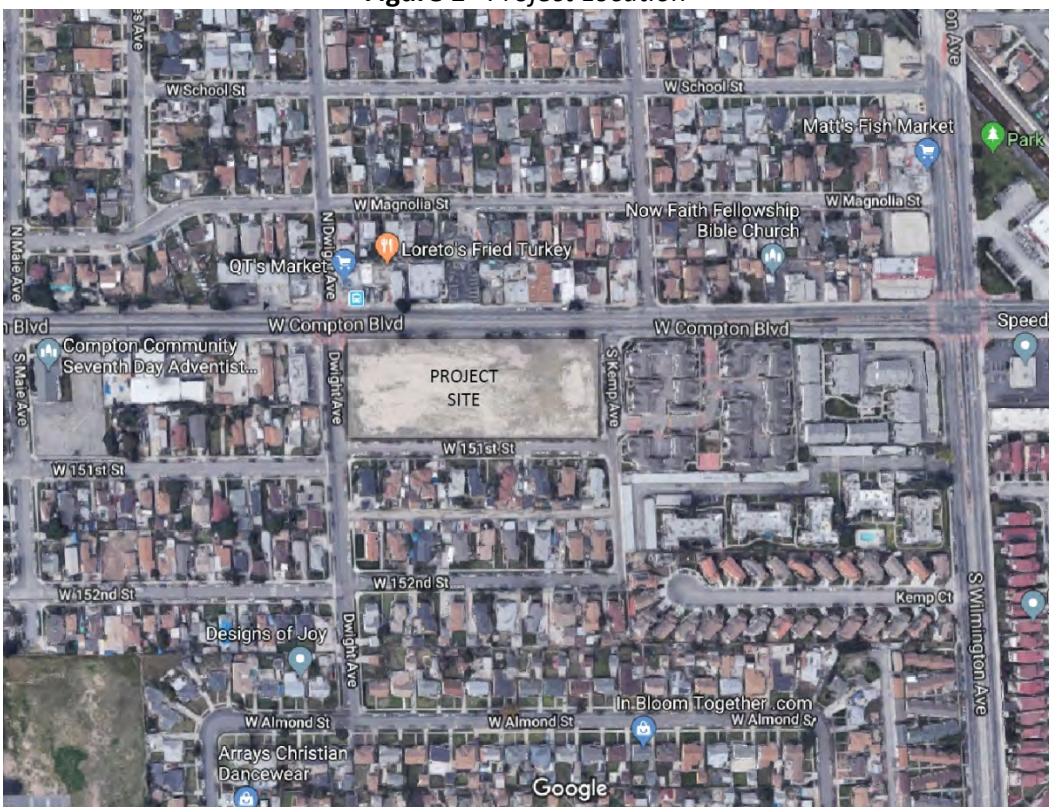
2.1 PROJECT DESCRIPTION

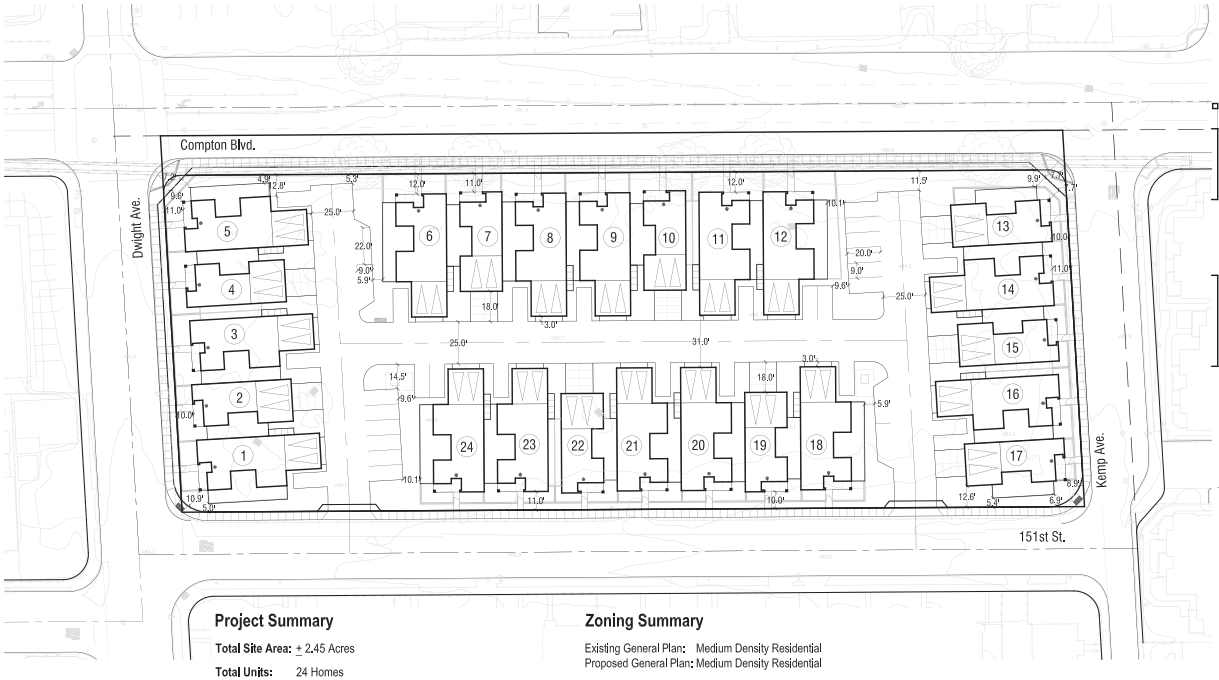
The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

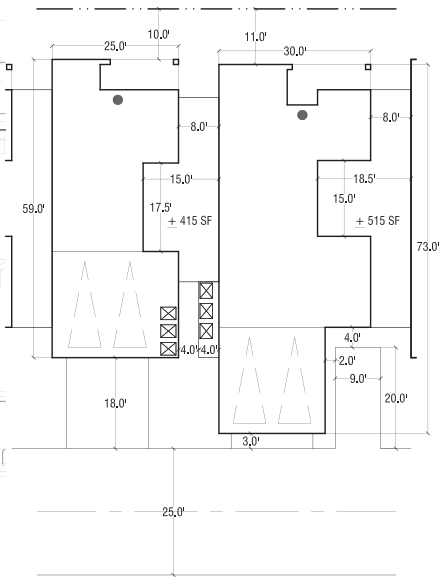
The proposed project is anticipated to be built and generating trips in 2021.

Figure 1 shows the project site location. ***Exhibit 1*** shows the proposed project site plan.

Figure 1– *Project Location*







Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (9) Plan 1: ± 1,900 SF
- (15) Plan 2: ± 2,500 SF

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 99 Spaces (4.12 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 18 Spaces (2 space/drive)
- Head In: 29 Spaces (9' x 20')
- Parallel: 4 Spaces (9' x 22')

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
Compton Blvd: 7'-8" to building
Dwight Ave: 9'-6" to building
Kemp Ave: 7'-8" to building
151st St: 8'-10"' to building

Building Separation: 8'

Max. Building Height: 35'

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

Conceptual Site Plan

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

SP-1

0 15 30 60

CITY SUBMITTAL

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City Ventures

ARCHITECTS , PLANNERS , DESIGNERS
WHA.
ORANGE COUNTY , LOS ANGELES , BAY AREA

Exhibit 1: Compton & Kemp Conceptual Site Plan

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

2.2 STUDY AREA

The following intersection in the vicinity of the project site have been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff. The scoping letter and City response is provided in ***Appendix A.***

- Dwight Avenue (NS) at Compton Boulevard (EW)

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

Exhibit 2 shows the location of the study intersections, which are analyzed for the following study scenarios:

- Existing Conditions;
- Project Opening Year (2021) Without Project Conditions; and
- Project Opening Year (2021) With Project Conditions.

Traffic operations are evaluated for the following time periods:

- Weekday AM Peak Hour occurring within 7:00 AM to 9:00 AM; and
- Weekday PM Peak Hour occurring within 4:00 PM to 6:00 PM.

2.3 ANALYSIS METHODOLOGY

Level of Service (LOS) is commonly used to describe the quality of flow on roadways and at intersections using a range of LOS from LOS A (free flow with little congestion) to LOS F (severely congested conditions). The City of Compton and Los Angeles County utilize the Intersection Capacity Utilization (ICU) methodology for signalized intersection analysis. The ICU methodology expresses the LOS of an intersection in terms of the remaining capacity at an intersection (or lack thereof). The ICU methodology compares the volume-to-capacity (V/C) ratios of conflicting turn movements at an intersection, sums the critical conflicting V/C ratios for each intersection approach, and determines the intersection's overall capacity utilization. The resulting V/C ratio is converted to an LOS as shown in ***Table 1***.

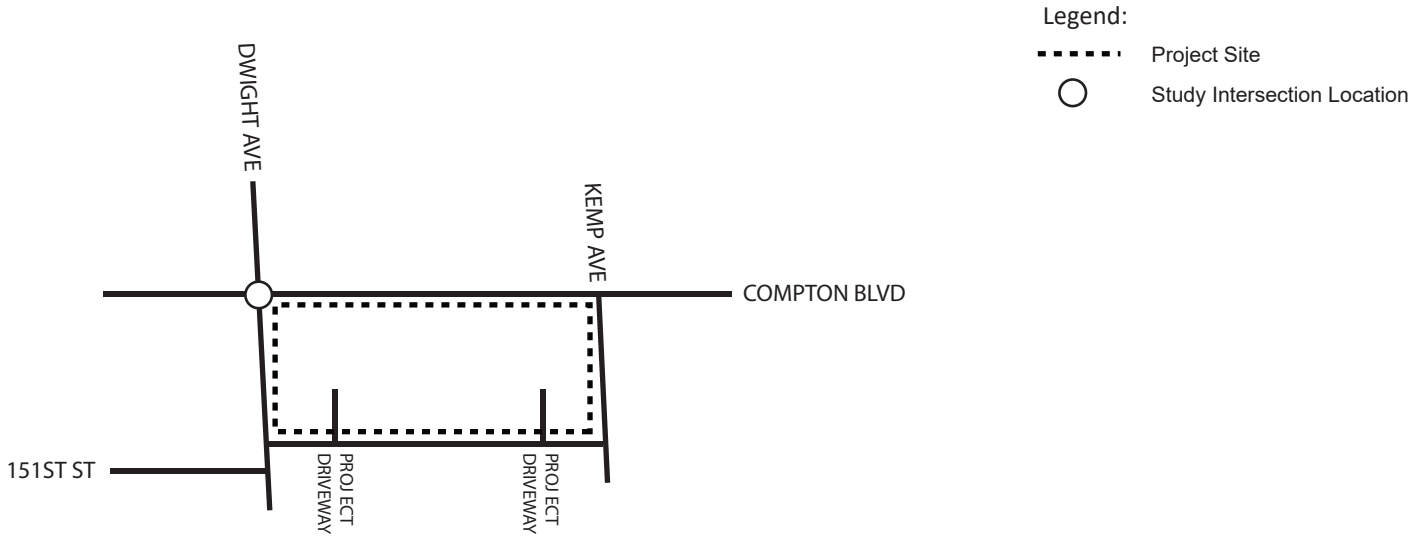


Exhibit 2: Study Intersection Locations

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 1
LOS & V/C Ranges

Level of Service	Volume to Capacity Ratio	Description
A	0.000 – 0.600	Free Flow: No approach phase is fully utilized and no vehicle waits longer than one cycle
B	0.601 – 0.700	Stable Flow: An occasional approach phase is fully utilized. Some drivers feel restricted in platoons.
C	0.701 – 0.800	Stable Flow: Major approach phases fully utilized. Most drivers feel restricted in platoons.
D	0.801 – 0.900	Tolerable Delays: Drivers may have to wait more than one cycle on occasion. Queues develop but dissipate rapidly and without excessive delays.
E	0.901 – 1.000	Unstable Operations: Volumes at or near capacity. Vehicles may wait several signal cycles. Long queues form upstream from intersection.
F	>1.000	Excessive Delays: Traffic flow breaks down, representing jammed conditions. Intersection operates below capacity. Queues may block upstream intersections.

This study utilizes a 1,900 vehicle per lane per hour saturation flow rate and a clearance interval of ten percent for the ICU analysis.

2.4 PERFORMANCE CRITERIA

The City of Compton has established level of service "D" or better as acceptable LOS for all intersections along the designated street and highway system in the General Plan Circulation Element.

2.5 THRESHOLDS OF SIGNIFICANCE

According to California Environmental Quality Act (CEQA) guidelines, a project is considered to cause a significant impact to a transportation system if it:

- Conflict with program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
- Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?[1]
- Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- Result in inadequate emergency access?

For the purposes of analyzing CEQA impacts, the City of Compton utilizes the following Los Angeles County thresholds of significant to identify significant transportation impacts:

[1]CEQA Guidelines section 15064.3(c) provides that a lead agency "may elect to be governed by the provisions" of the section immediately; otherwise, the section's provisions apply July 1, 2020. Here, the City has not elected to be governed by Section 15064.3. Accordingly, an analysis of vehicles miles traveled (VMT) is not necessary to determine whether a proposed project will have a significant transportation impact.

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

3.0 Existing Conditions

3.1 EXISTING CIRCULATION NETWORK/STUDY AREA CONDITIONS

The characteristics of the roadway system in the vicinity of the proposed project site are described in ***Table 2.***

Table 2
Roadway Characteristics Within Study Area

Roadway	Classification[1]	Direction	Existing Travel Lanes	Median Type	Speed Limit (mph)	On-Street Parking
Compton Boulevard	Secondary Highway	East-West	4	None	35	Yes
Dwight Avenue	Local Street	North-South	2	None	25	Yes
Kemp Avenue	Local Street	North-South	2	None	25	Yes
151st Street	Local Street	East-West	2	None	25	Yes

1: Sources: City of Compton General Plan Circulation Element

Exhibit 3 shows existing conditions study area intersection and roadway geometry.

3.2 CITY OF COMPTON GENERAL PLAN CIRCULATION ELEMENT

The proposed project site is located within the City of Compton. ***Appendix B*** contains the current Compton General Plan Circulation Element future transportation network and roadway classifications.

3.3 EXISTING BICYCLE AND PEDESTRIAN FACILITIES

There are no bicycle lanes on study area roadways. Sidewalks and curb ramps at intersections are present in the study area, except on the east side of Dwight Avenue along the project's frontage and on the north side of 151st Street along the project's frontage, where they are absent.

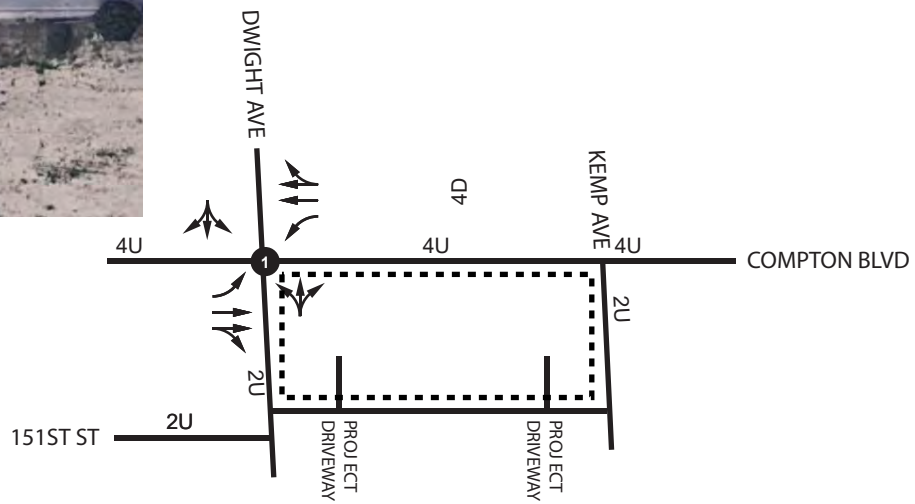
The proposed project is consistent with the City of Compton Bicycle Master Plan (May, 2015).

Appendix B contains Compton General Plan Circulation Element Bikeway Plan.

3.4 EXISTING PUBLIC TRANSIT SERVICES

The City of Compton is served by Los Angeles Metro which provides bus service throughout Los Angeles County. ***Figure 2*** shows the Metro routes in the vicinity of the City of Compton. Additionally, the Compton Renaissance Transit System provides limited local service within the City of Compton.

Source: Google Earth, 2019



Legend:

- Existing Lane
- Signal-Controlled Intersection
- 2U 2-lane Undivided Roadway
- 4U 4-lane Undivided Roadway
- Project Site

Exhibit 3: Existing Lane Geometry & Intersection Control

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Figure 2– *LA Metro Transit Routes*

There is one bus route within one-quarter mile of the proposed project site.

Metro Route 51/351 travels between the Wilshire/Vermont Purple Lane Station to the Compton Transit Center. In the vicinity of the proposed project, Route 51/351 runs along Compton Boulevard with a stop at the Compton Boulevard/Dwight Avenue intersection adjacent to the project site. Route 51/351 runs from 5:00 AM to 10:00 PM on weekdays with headways of 20-35 minutes and on weekends with 30-45 minute headways.

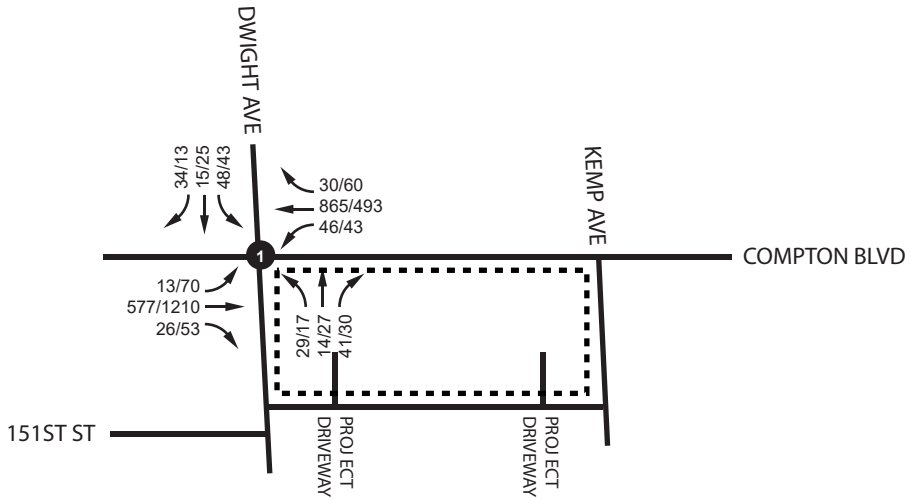
3.5 EXISTING TRAFFIC VOLUMES

To determine the existing operation of the study intersection, AM and PM peak period traffic counts at the study intersections were collected on Thursday June 6th, 2019. The traffic volumes used in this analysis are from the highest hour within the peak period counted. Detailed traffic count data is provided in ***Appendix C***.

Exhibit 4 shows existing AM and PM peak hour volumes at the study intersection.

3.6 EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS

Existing conditions AM and PM peak hour intersection analysis is shown in ***Table 3***. Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 4: Existing AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 3
Intersection Analysis – Existing Conditions

Intersection	Control Type	Peak Hour	Existing Conditions
			V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A
		PM	0.626 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 3***, the study intersection is currently operating at an acceptable LOS (LOS B or better) during the AM and PM peak hours.

4.0 Proposed Project

4.1 Project Description

The proposed project is bound by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

Exhibit 1 previously showed the proposed site plans for the proposed project.

4.2 Project Trip Generation

Trip generation represents the amount of traffic, both inbound and outbound, produced by a development. Determining trip generation for a proposed project is based on projecting the amount of traffic that the specific land uses being proposed will produce.

Industry standard *Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition, 2017)* trip generation rates were used to determine trip generation of the proposed project.

Table 4 shows the ITE 10th Edition trip generation rates used to calculate forecast trip generation of the proposed project.

Table 4
Trip Generation Rates for Proposed Project Land Use

Land Use (ITE Code)	Unit	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
Single Family Residential (210)	DU	0.185	0.555	0.74	0.624	0.366	0.99	9.44

Note: DU = Dwelling Unit
Source: ITE Trip Generation, 10th Edition (2017).

Table 5 shows the projected increase in trip generation resulting from the proposed project.

Table 5
Trip Generation of Proposed Project

Land Use	Quantity	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
24 Single - Family Dwelling Units	24 DU	5	13	18	15	9	24	227

Note: DU = Dwelling Unit

As shown in ***Table 5,*** the proposed project is forecast to generate approximately 18 AM peak hour trips, 24 PM peak hour trips and 227 daily trips.

4.3 Project Trip Distribution

Projecting trip distribution involves the process of identifying probable destinations and traffic routes that will be utilized by the proposed project's traffic. The potential interaction between the proposed land use and surrounding regional access routes are considered to identify the probable routes onto which project traffic would distribute. The projected trip distribution for the proposed project is based on anticipated travel patterns to and from the project site.

Exhibit 5 shows the projected trip distribution of proposed project trips.

4.4 Modal Split

The traffic reducing potential of public transit, walking and bicycling have not been considered in this analysis since transit facilities in the study area are limited.

4.5 Project Trip Assignment

Exhibit 6 shows the corresponding projected AM/PM peak hour trip assignment of project trips.

4.6 Traffic Management Plan

Stop signs will be installed at the project driveways for vehicles exiting the project site onto 151st street. Fire access will not be needed, in case of fires the fire department will fight the fires from outside the development. No parking signs will be posted throughout the site as needed or required by City standards.

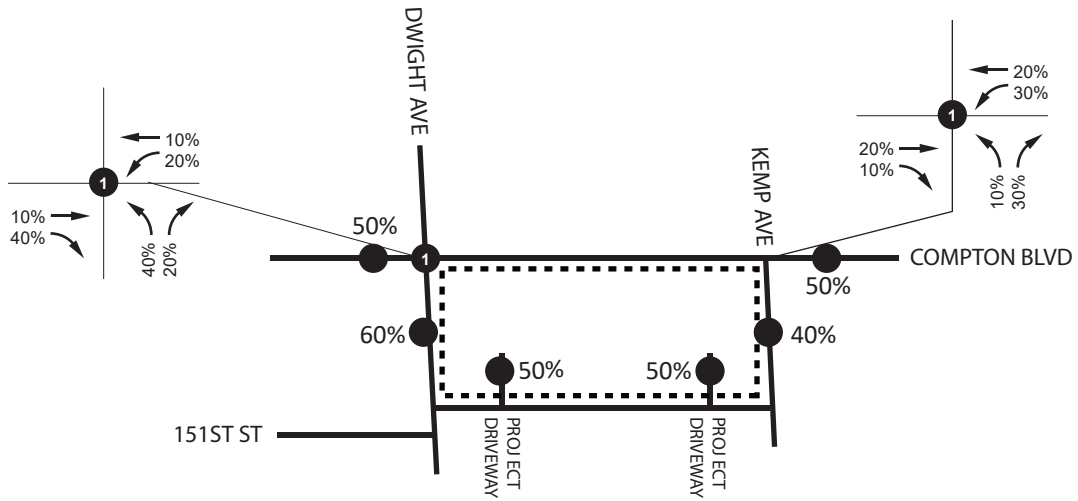
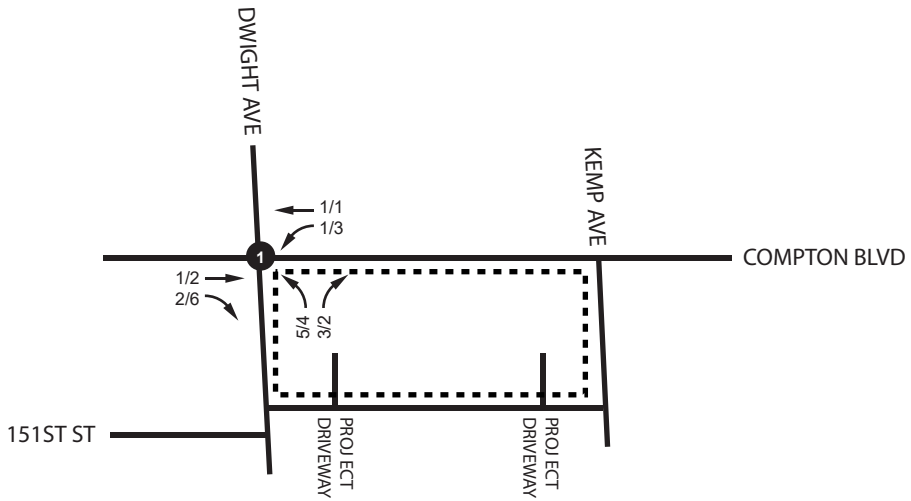


Exhibit 5: Projected Trip Distribution of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale



Legend:

XX/XX AM/PM Peak Hour Trip Assignment

Project Site

Exhibit 6: Projected Trip Assignment of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

5.0 Project Opening Year Without Project Conditions

5.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year without project* scenario are consistent with those previously shown in ***Exhibit 3***.

5.2 PROJECT OPENING YEAR WITHOUT PROJECT TRAFFIC VOLUMES

Project Opening Year Without Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year Without Project Volumes = (Existing (2019) Counts * 1.02^2)

Exhibit 7 shows *project opening year without project* AM and PM peak hour volumes at the study intersections.

5.3 PROJECT OPENING YEAR WITHOUT PROJECT LEVEL OF SERVICE ANALYSIS

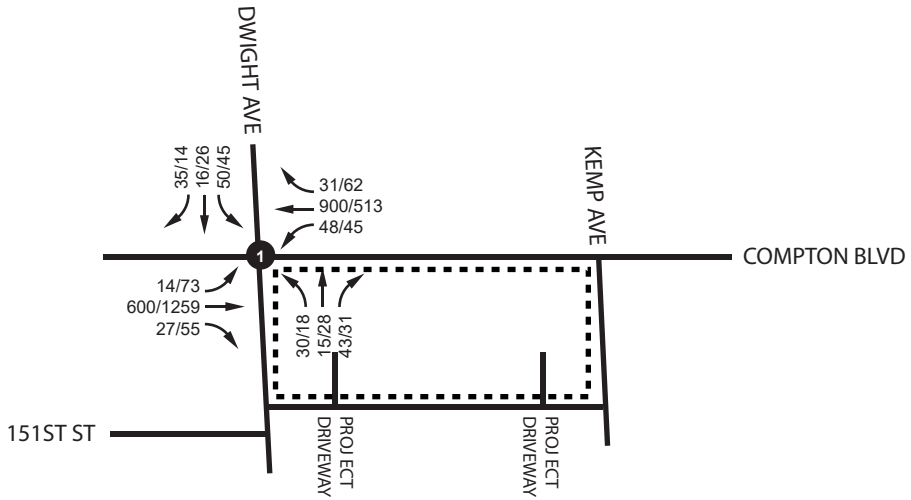
Project opening year without project conditions AM and PM peak hour intersection analysis is shown in ***Table 6.*** Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.

Table 6
Intersection Analysis – Project Opening Year Without Project Conditions

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project
			V/C – LOS	V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A	0.501 – A
		PM	0.626 – B	0.648 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 6***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) during the AM and PM peak hours for *project opening year without project conditions.*



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 7: Project Opening Year
Without Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

6.0 Project Opening Year With Project Conditions

Project opening year with project conditions analysis is intended to identify the project-related impacts on the existing circulation system.

6.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year with project* scenario are consistent with those previously shown in **Exhibit 3**.

6.2 PROJECT OPENING YEAR WITH PROJECT TRAFFIC VOLUMES

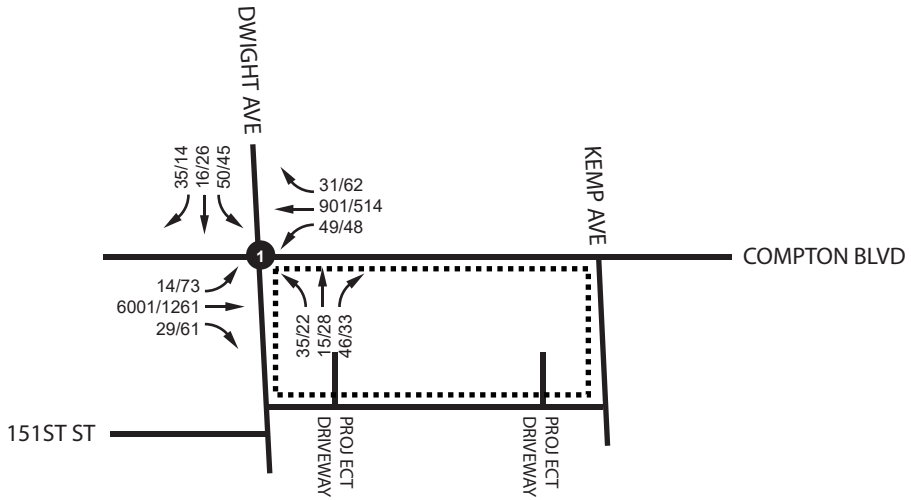
Project Opening Year With Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021, plus project trips. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year With Project Volumes = (Existing (2019) Counts * 1.02^2) + Project Traffic

Exhibit 8 shows *project opening year with project* AM and PM peak hour volumes at the study intersection.

6.3 PROJECT OPENING YEAR WITH PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS

Project opening year with project conditions AM and PM peak hour intersection analysis is shown in ***Table 7***. ICU analysis sheets are provided in ***Appendix D.***



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 8: Project Opening Year
With Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 7
Intersection Analysis – Project Opening Year With Project

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project	Project Opening Year With Project		
			V/C – LOS	V/C – LOS	V/C – LOS	Change in V/C	Significant Impact?
Dwight Avenue/Compton Boulevard	Signal	AM PM	0.490 – A 0.626 – B	0.501 – A 0.648 – B	0.505 – A 0.656 – B	0.004 0.008	No

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 7***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) for *project opening year with project* conditions.

Based on the thresholds of significance previously discussed in section 2.4, the addition of project generated trips does not result in any significant impacts at the study intersection.

7.0 Site Access and Sight Distance

This section summarizes proposed site access and on-site circulation recommendations.

7.1 ON-SITE ROADWAY IMPROVEMENTS

The recommended site-adjacent roadway improvements are described below.

Wherever necessary, roadways adjacent to the proposed project site and site access points should be constructed in compliance with recommended roadway classifications and respective cross-sections in the City of Compton General Plan Circulation Element or as directed by the City Engineer.

7.2 SIGHT DISTANCE ANALYSIS

A sight distance analysis for the proposed project driveway has been prepared based on the "stopping sight distance" requirements determined by Topic 201 and Table 201.1 of the *Caltrans Highway Design Manual* (HDM), latest edition. ***Table 8*** shows the minimum stopping sight distances based on the design speed, as displayed in Table 201.1 of the HDM.

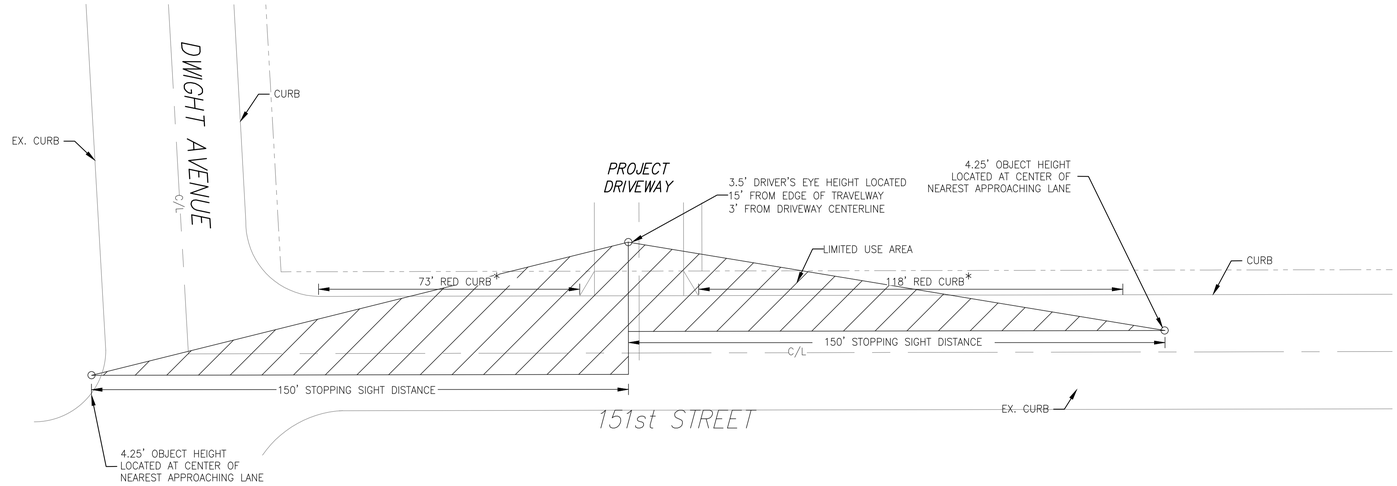
Table 8
Stopping Sight Distance

Design Speed (mph)	Stopping Sight Distance (ft)
25	**150**
30	200
35	250
40	300
45	360
50	430

Source: Table 201.1, Highway Design Manual (July 2, 2018)
Note: mph = miles per hour; ft = feet

In this analysis, the movements being analyzed at the Project Driveway intersections are movements from the exiting vehicles onto 151st Street. Since there is no posted speed limit on 151st Street between Dwight Avenue and Kemp Avenue, the 85th percentile speed is assumed to be 25 miles per hour.

Exhibit 9 displays the sight distance conditions at the project driveway in relation to the existing sidewalk, striping, and parking on 151st Street. The exhibit shows the required 15-foot setback from the edge of travel way and the 15-feet of sight distance required based on the assumed 85th percentile speed of 25 miles per hour.



151st STREET IS A LOCAL ROAD WITH A PRIMA FACIA SPEED LIMIT OF 25 MPH. TABLE 201.1 OF THE HDM, RECOMMENDS 150-FEET OF STOPPING SIGHT DISTANCE.

* NOTE: SECTION 405.1 OF THE HDM RECOMMENDS PARKING RESTRICTIONS ON URBAN DRIVEWAYS BE SET PER CA MUTCD SECTION 3B.19. SECTION 3B.19 RECOMMENDS A CLEARANCE OF **6-FEET** MEASURED FROM CURB RETURN SHOULD BE PROVIDED AT BOTH SIDES OF A DRIVEWAY.

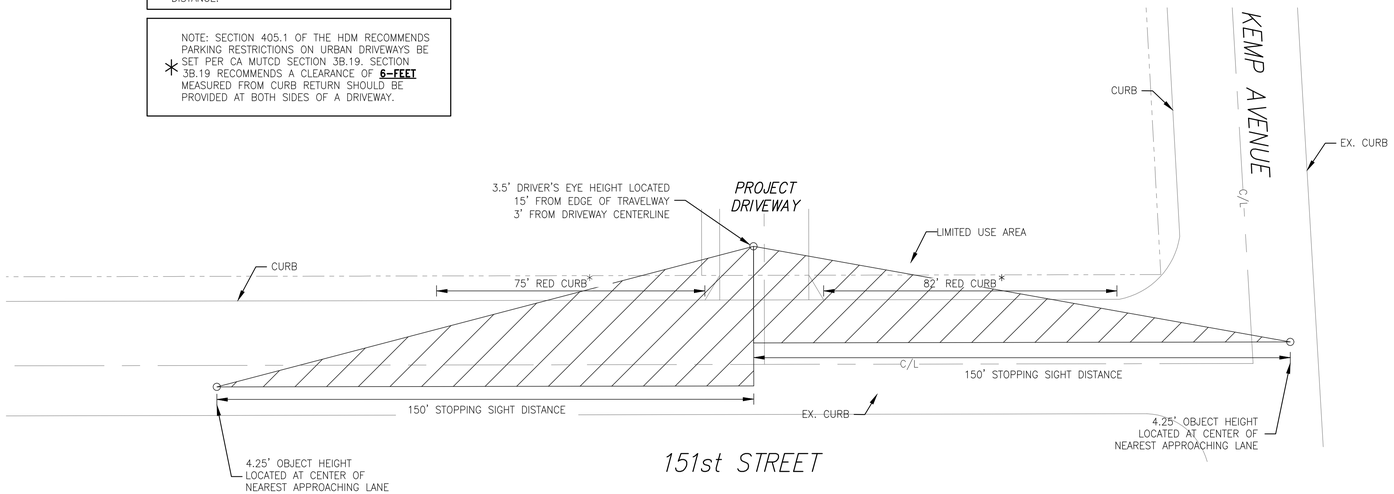


EXHIBIT 9: SIGHT DISTANCE ANALYSIS
CVR-19-001 COMPTON & KEMP TRAFFIC IMPACT ANALYSIS
Date: 09/30/21

SCALE: 1" = 20'
10 0 10 20 30

As shown in ***Exhibit 9***, the stopping sight distance requirements would be impaired by existing parking 151st Street west and east of the driveways. To meet the stopping sight distance standard, approximately 348 feet of red-curb would need to be painted on the north side of 151st Street.

TJW notes that Section 405.1 of the Highway Design Manual recommends that parking restrictions on urban driveways be set per California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 3B.19. Section 3B.19 recommends a clearance of 6-feet measured from the curb return should be provided at both sides of a driveway. It is TJW's recommendation that the CA MUTCD guidance be followed and a clearance of 6-feet be provided at both sides of the driveway.

8.0 Parking

The proposed project consists of 24 single family dwelling units. *Table 30.-21.A Parking Space Requirements* in the City of Compton Zoning Code contains minimum parking requirements for various land uses in the City.

Single family dwelling units are required to provide two enclosed spaces per dwelling unit. The proposed project would be required to provide 48 enclosed parking spaces.

The proposed project is providing two-car garages for every dwelling unit, with driveways that provide an additional two uncovered parking spaces per unit, as well as six on-street guest parking spaces, meeting code requirements whether analyzed as single family dwelling units.

Providing access to the proposed project will result in the loss of up to 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue due to the construction of two driveways with 6-feet of red curb on both sides of the driveways.

TJW collected on-street parking counts on the streets surrounding the project site in the afternoon and evening on Wednesday June 19th, 2019 from 4:00 PM to 12:00 AM to assess the existing parking inventory and occupancy. Evening hours were chosen since the overnight period is the peak period of parking demand for the residential uses adjacent to the site. Since the on-street parking supply is not striped, the inventory of each block face was projected based on observations in the field. And measurements of curb space.

The parking areas assessed were the south side of Compton Boulevard between Dwight Avenue and Kemp Avenue, both sides of Dwight Avenue between Compton Boulevard and 151St Street, both sides of 151st Street between Dwight Avenue and Kemp Avenue, and both sides Kemp Avenue between Compton Boulevard and 151st Street.

Table 9 summarizes the results of the parking inventory and occupancy counts. Detailed data, which was collected in 30 minute increments, is available in ***Appendix E***.

As shown in Table 9, there are approximately 94 on-street parking spaces on the streets surrounding the project site. The peak period of observed parking demand was at 11:00 PM – 12:00 AM, when 61 vehicles were parked in the survey area, for an overall occupancy of 65%. While certain streets, such as 151st Street and Kemp Avenue were over 80% occupied, Dwight Avenue and Compton Boulevard were under 50% full.

Based on the parking data collection, there is adequate on-street parking availability nearby to accommodate any displacement from the loss of 6-8 on-street parking spaces on 151st Street.

Table 9
Parking Survey Results

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	5	7	6	6	4	5	4
	Subtotal	**19**	**8**	**9**	**5**	**7**	**6**	**6**	**4**	**5**	**4**
	Total Occupancy	19	8	9	5	7	6	6	4	5	4
	Total Percent		**42%**	**47%**	**26%**	**37%**	**32%**	**32%**	**21%**	**26%**	**21%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	0	0	3	4	4	4	5	5
	West Side of Street	**9**	Construction	5	4	8	9	9	9	9	9
	Subtotal	**16**	**0**	**5**	**4**	**11**	**13**	**13**	**13**	**14**	**14**
	Total Occupancy	16	0	5	4	11	13	13	13	14	14
	Total Percent		**0%**	**31%**	**25%**	**69%**	**81%**	**81%**	**81%**	**88%**	**88%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	18	18	20	17	19	20	21	21
	South Side of Street	**21**	13	14	13	14	17	16	18	17	18
	Subtotal	**46**	**28**	**32**	**31**	**34**	**34**	**35**	**38**	**38**	**39**
	Total Occupancy	46	28	32	31	34	34	35	38	38	39
	Total Percent		**61%**	**70%**	**67%**	**74%**	**74%**	**76%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	4	2	2	3	3	3	4	4
	West Side of Street	**5**	1	1	1	1	1	1	0	1	1
	Subtotal	**13**	**3**	**4**	**2**	**2**	**3**	**3**	**3**	**4**	**4**
	Total Occupancy	13	3	4	2	2	3	3	3	4	4
	Total Percent		**23%**	**31%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**31%**

	Grand Total Occupancy	94	39	50	42	54	56	57	58	61	61
	Grand Total Percent		**41%**	**53%**	**45%**	**57%**	**60%**	**61%**	**62%**	**65%**	**65%**

9.0 Signal Warrant Analysis

A signal warrant analysis was conducted at the intersection of Compton Boulevard and Kemp Avenue. Compton Boulevard is classified as a four-lane secondary highway and has a posted speed limit of 35 miles per hour. Kemp Avenue is classified as a two-lane local street and has no posted speed limit. The intersection currently operates as a two-way stop intersection with the off-set Kemp Avenue approaches being stop controlled. Traffic counts were conducted at the intersection on Wednesday August 21, 2019.

Traffic signal warrants for project opening year with project conditions were prepared. Because the speed limit on Compton Boulevard is 35 miles per hour, Figure 4C-3 of the *California Manual on Traffic Control Devices* was used to evaluate the conditions at the intersection. ***Table 10*** summarizes the results of the signal warrant analysis. Detailed warrant analysis sheets are included in Appendix F.

Table 10
Signal Warrant Analysis

Intersection	Signal Warrants Met?	
	AM Peak Hour	PM Peak Hour
Compton Boulevard/Kemp Avenue	No	No

As shown in ***Table 10***, peak hour signal warrants are not met for project opening year with project conditions. Signalization of the Compton Boulevard/Kemp Avenue intersection is not recommended.

Appendices

APPENDIX A

SCOPING AGREEMENT/SCOPING EMAILS

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

May 7, 2019

Mr. Hien Nguyen, PE
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton CA 90220

Report: Scoping Agreement for the Compton & Kemp Residential Project Traffic Impact Analysis

Dear Mr. Nguyen:

TJW ENGINEERING, INC. (TJW) is pleased to submit this scoping agreement for the proposed Compton & Kemp residential project in the City of Compton. The project site is bound by Compton Boulevard to the north, Kemp Avenue to the east, W 151st Street to the south and Dwight Avenue to the west. The proposed project consists of 24 single-family dwelling units.

The Project's site plan is attached to this scoping letter. The project is anticipated to be built and generating trips in 2021. Site access is planned at two driveways on W 151st Street.

The traffic impact analysis will follow applicable City of Compton and Los Angeles County guidelines for traffic impact analysis.

Trip Generation

Trip generation for the proposed project will be developed using rates from the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) for Land Use 210 – Single-Family Detached Housing. As shown in Table 1, the project is anticipated to generate 227 daily trips, 18 AM peak hour trips, and 24 PM peak hour trips.

Table 1: Proposed Project Trip Generation

Proposed Land Use[1]	Qty/ Unit	Daily Trips (ADTs)		AM Peak Hour					PM Peak Hour				
		Rate	Volume	Rate	In:Out Split	Volume			Rate	In:Out Split	Volume		
						In	Out	Total			In	Out	Total
Single-Family Detached Housing (210)	24 DU	9.44	**227**	0.74	25:75	4	14	18	0.99	63:37	15	9	24

[1]: Rates from ITE Trip Generation (10th Edition, 2017)

Trip Distribution and Assignment

The project site is situated within a large rectangle formed by the 105, 110, 710 and 91 freeways. Project trips are generally projected to arrive/depart via Compton Boulevard and head to/from other major arterials to access freeways for work related trips, and to utilize local streets for other trips. The proposed project's trip distribution assumes that 50% of project trips will arrive/depart from/to the west on Compton Boulevard and 50% of project trips will arrive/depart from/to the east on Compton Boulevard.

Study Area

turning movement counts to be conducted on 5/29, 5/30, 6/4, 6/5, or 6/6/19 between 4p and 6p

Based on ~~the trip generation~~, the following two (2) intersections will be analyzed in the level of service analysis:

1. Compton Boulevard/Dwight Avenue; and
2. ~~Compton Boulevard/Kemp Avenue.~~

PM

County

Study Analysis Scenarios

Consistent with Los Angeles traffic study guidelines, the analysis of peak hour operations at study area intersection will occur for the following scenarios:

(1) Existing Traffic Conditions;
~~(2) Existing Plus Project Conditions;~~
(3) Project Opening Year Without Project Conditions; and
(4) Project Opening Year With Project Conditions.

With opening year being 2021, assume existing traffic volumes will increase by 4% in 2 years.

The Intersection Capacity Utilization (ICU) methodology will be used in the analysis per the Los Angeles County traffic impact analysis guidelines.

Level of Service Criteria

The City of Compton target for peak hour intersection operations is LOS D or better.

For the purposes of analyzing California Environmental Quality Act (CEQA) impacts, the City of Compton identifies significant impacts based on a comparison of the without and with project ICU at study intersections according to the following criteria:

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

~~***Cumulative Projects***~~

TJW will obtain a list of cumulative projects from the City. TJW will utilize this list to determine which cumulative projects should be included in the cumulative conditions analysis. If the City has any information on the cumulative projects such as trip generation and trip distribution patterns for each project, or prior completed traffic studies, TJW requests that this information be forwarded to us electronically.

Please feel free to call us at (949) 878-3509 if you have any questions regarding this scoping letter.

Signal Warrant Analysis
TJW will conduct turning movement counts at West Compton Blvd. and Kemp Ave. from 4p to 6p on 5/29, 5/30, 6/4, 6/5 or 6/6/19. Based on these counts, TJW will evaluate Signal Warrants 2 (Four Hour) and 3 (Peak Hour) for the intersection under Opening Year (2021) with Project Conditions.

Sincerely,

TJW ENGINEERING, INC.

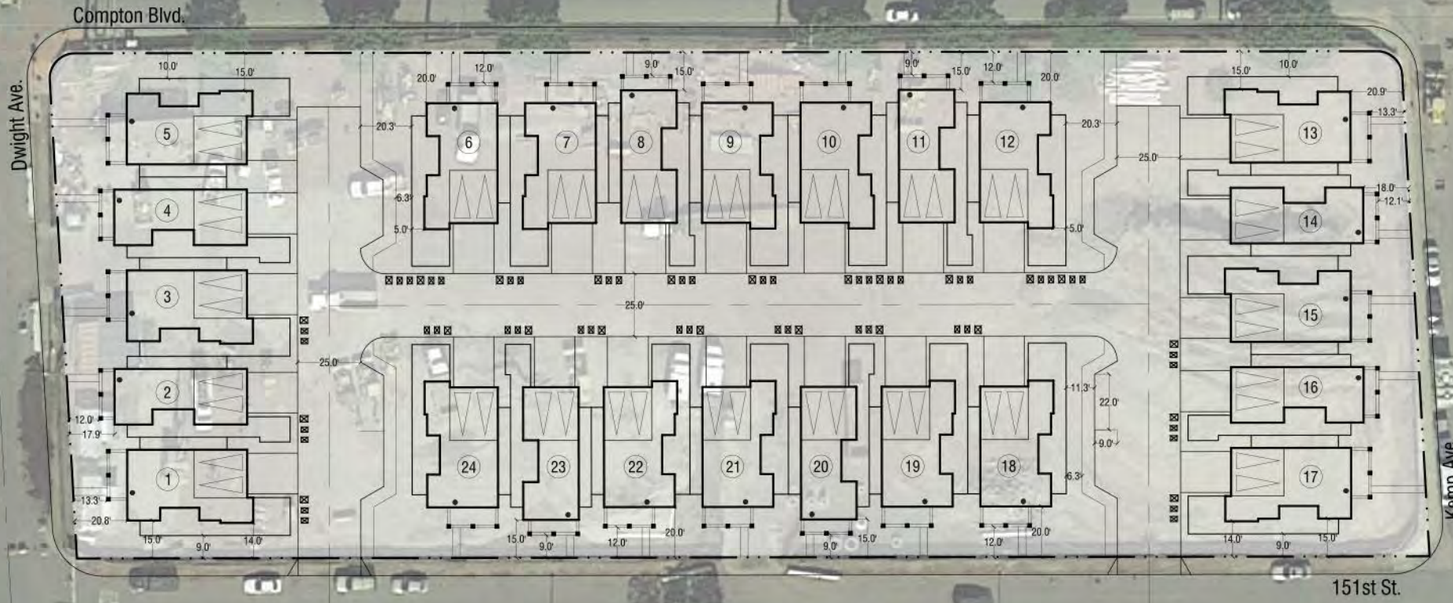
Recommended by:

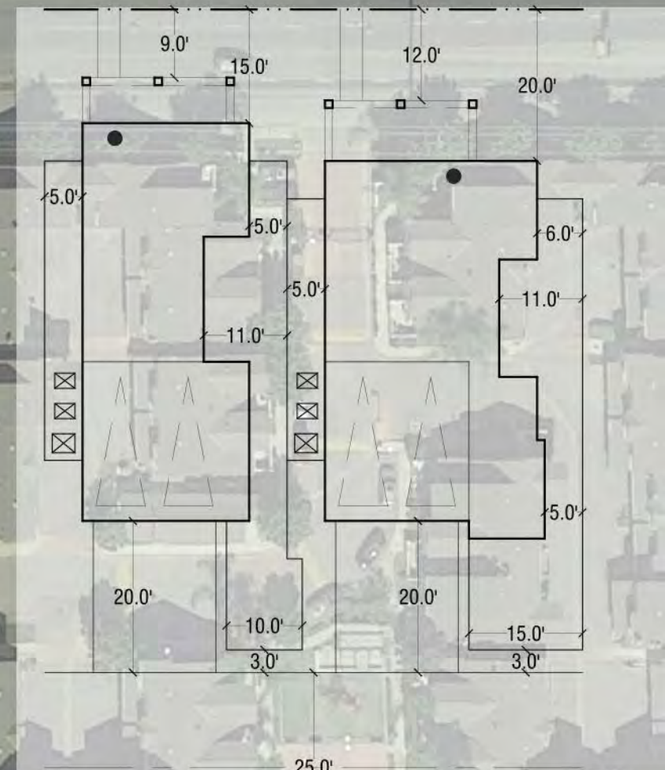
Thomas Wheat, PE, TE
TJW Engineering, Inc.
Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*

Approved by:

Hien Nguyen, City of Compton

Comments by:
GL, 5/21/19





Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
- Compton Blvd: 15' to building; 9' to covered porch
- Dwight Ave: 15' to building; 12' to covered porch
- Kemp Ave: 15' to building; 12' to covered porch
- 151st St: 14' to single story element (building 1 & 17); 15' to front of building; 9' to covered porch

Building Separation: 10'

Max. Building Height: 35'

Notes:
1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information.
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

City Ventures

CONCEPTUAL SITE PLAN
COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

0 15 30 60

CONCEPT STUDY

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ARCHITECTS . PLANNERS . DESIGNERS
WHA.
ORANGE COUNTY . LOS ANGELES . BAY AREA

From: Hien Nguyen <hnguyen@comptoncity.org>
Sent: Wednesday, May 22, 2019 4:50 PM
To: Thomas Wheat; David Chew; Jeff Weckstein
Cc: Delores Jones; Troy Gunter; Kim Prijatel
Subject: 930 W. COMPTON BLVD PROJECT---1ST COMMENTS ON SCOPE OF TRAFFIC STUDY

Hello Gentlemen,

Per your request, please find Public Works Dept.'s Comments on "TIA Scope" as follows:

1. The TIA shall follow the LACDPW's guidelines

2. For safety of the public: The TIA shall include, but not limited to, the following:

   - A "Line Sight Study" [LSS] for traffic exiting the site onto 151st Street.
   - Traffic Management Plan for the site development including, but not limited to, fire lanes, no parking signs, stop signs for traffic exiting the site onto 151st Street, etc.

3. For info on list of related projects [within 1.5-mile radius of the site]: Please contact Mr. Troy Gunther of Planning Dept.

4. Impact of on-street parking surrounding the site and mitigation measures

5. PW Dept. will accept the ICU methodology, and the following softwares:

   - HCS version 2000 or later version,
   - Synchro V7 or later version
   - Traffix (Dowling) v.7.6 or later version
   - VISTRO
   - or other equivalent softwares

Please find the attached file prepared by Public Works Plan Check Consultant Willdan Engineering as a part of the composite PW Dept.'s comments on your proposed TIA Scope.

Thanks

Hien Nguyen, P.E.
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton, CA 90220
Phone (310) 761-1476,
Fax (310) 605-6326
City Hall is closed Fridays

APPENDIX B

COMPTON GENERAL PLAN ROADWAY CLASSIFICATIONS AND CROSS SECTIONS

CIRCULATION PLAN

The "Circulation Issues" discussion in this element identifies the long-term transportation and circulation concerns in Compton. This section describes the programs and strategies the City will pursue to address these issues and to move towards a balanced transportation system that meets the future mobility needs of Compton residents, as well as the business sector's demand to move goods most efficiently and effectively.

MASTER PLAN OF STREETS AND HIGHWAYS

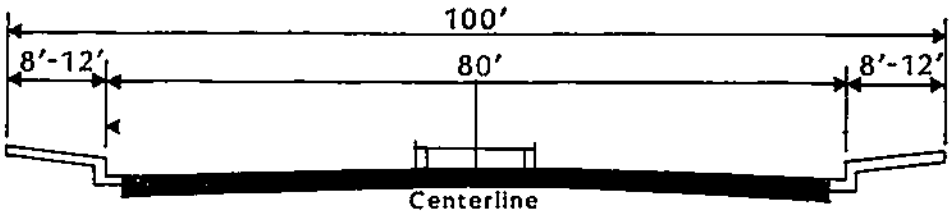
Streets and highways in Compton are described and classified according to their primary function. This hierarchical system of roadways consists of the following four basic classifications:

- Major Highway;
- Secondary Highway;
- Collector; and
- Local Street.

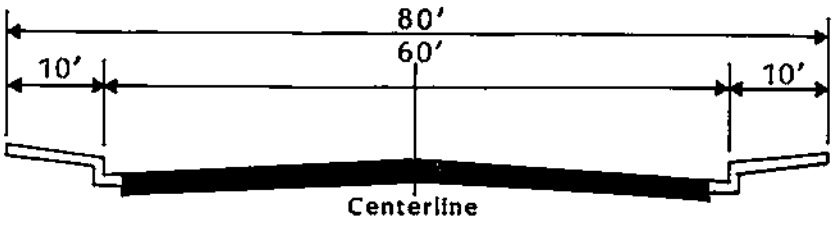
Figure C-1 illustrates the roadway cross-section standards (geometrics) for these five classifications. Roadway functions and standards may be described as follows.

Major Highway

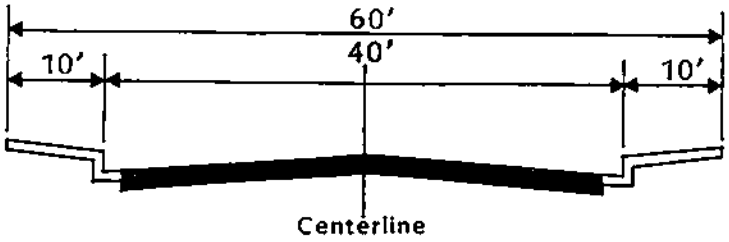
A Major Highway is the highest capacity street within the City's street system. Major Highways are designed to carry high volumes of traffic, primarily for through trips. They serve as the principal connectors from lower classification streets to the freeway system and other regional routes. The standard calls for 100 feet of right-of-way and four to six travel lanes within a minimum 80-foot wide, curb-to-curb paved street section. The right-of-way and paved road width can be increased at and near intersections to allow for median strips and extra turn lanes.



Major Highway (a)

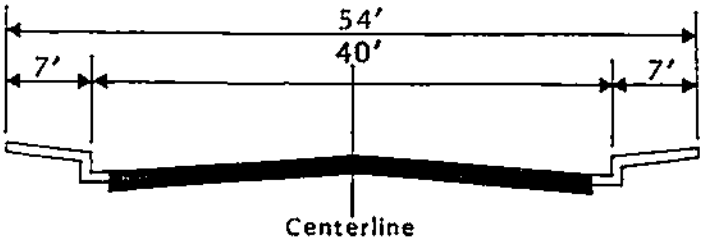


Secondary Highway



4' minimum sidewalk on both sides

Standard Collector



4' minimum sidewalk on both sides

Residential Collector

12/3/91

(a) Major Highway right-of-way may be increased to accomodate center median or extra turn lanes at intersections.

(b) All roadbed widths shown are minimums.

Figure C - 1
Standard Street Cross Sections

Major Highways in the Compton planning area include El Segundo Boulevard (west of Santa Fe Avenue), Rosecrans Avenue, Alondra Boulevard, Artesia Boulevard (east of Alameda), Victoria/Apra Street, Avalon Boulevard, Central Avenue, Wilmington Avenue, Santa Fe Avenue, Long Beach Boulevard, and Atlantic Avenue.

Secondary Highway

Secondary Highways connect Major Highways to collector and local streets and are intended to carry relatively high traffic volumes for both through and local trips. A Secondary Highway consists of 80 feet of right-of-way and four travel lanes within a 60-foot, curb-to-curb paved section.

The Secondary Highways in Compton are 135th Street, Compton Boulevard, Greenleaf Boulevard, Walnut Street, Willowbrook Avenue, Tamarind Avenue, Mona Boulevard, Temple Avenue, Bullis Road, Compton Avenue, and Artesia Boulevard (west of Alameda).

Collectors

Two Collector classifications are included within the street system - the Standard Collector and the Residential Collector. Standard Collectors serve the City's major industrial and commercial areas and high density residential developments and are designed to carry moderate to relatively high volumes of traffic to the Secondary and Major Highways, while avoiding lower density residential neighborhoods. The Residential Collector accommodates moderate traffic volumes and is intended to carry residential traffic from the neighborhoods to schools, parks, and shopping areas.

Standard Collectors contain slightly more right-of-way than Residential Collectors, consisting of 40 feet of paving within a 60-foot right-of-way width. The Residential Collector has a 40-foot paved section and a minimum 54-foot right-of-way. Collector streets will be designated as part of a special study.

Local Streets

Local Streets are designed to carry low volumes of local (non-through) traffic. Locals connect to Collectors and Highways for through trips. Standards for Local Streets are variable, given the variety of residential subdivisions which have been developed since Compton incorporated as a City.

Study Street

Alameda Street is designated as a Study Street since street width and configuration will be determined as part of the Alameda Corridor design study.

Critical Intersections

Figure C-2 identifies several intersections as "critical intersections." These are locations where, over time, right-of-way beyond the standard rights-of-way illustrated in Figure C-1 may be needed to accommodate additional turn lanes. Traffic volumes may be more easily managed if a dedicated right-turn lane, dual left-turn lanes, or other non-standard configurations are provided.

Master Plan

Figure C-2 presents the Master Plan of Streets and Highways for Compton. This plan shows the ultimate circulation system needed to move people and goods within and through the City while maintaining roadway service levels of Level of Service D or better. The system incorporates regional infrastructure and public transit improvements and plans, and accommodates the City's specific transportation needs. Physical road improvements will be necessary to achieve this system, including road widenings, roadway reconfiguration, construction of the Alameda Corridor, and grade separations at railroad crossings.

Road Widenings: Several Major and Secondary Highways will require widening and restriping to provide consistent widths and to accommodate future traffic volumes. In particular, the following improvements will be made.

- Central Avenue between Rosecrans Avenue and Compton Boulevard will be widened and restriped to provide a six-lane divided highway.

- Wilmington Avenue between the Artesia Freeway and Victoria Street will be widened and restriped to provide a six-lane divided highway.

- Greenleaf Boulevard between Wilmington Avenue and Santa Fe Avenue will be widened to provide a four-lane divided roadway.

- Long Beach Boulevard, from the north City limit to Rosecrans Avenue, will be widened and restriped to provide a six-lane divided roadway.

To accomplish street widenings, the City will undertake a comprehensive approach. This requires that the City schedule the improvement in a Capital Improvement Plan (CIP) and acquire right-of-way through eminent domain or permanent on-street parking restrictions.

These identified widenings will be performed over the 20-year General Plan planning period (before the year 2010). The City will monitor roadway volumes over time to determine the timing and approach for the improvements.

Roadway Reconfiguration: Along many road sections, right-of-way width exists consistent with the Master Plan. However, efficient traffic movement is hindered by uncontrolled access from feeder streets and from development fronting on Highways and Collectors. To allow for better flow, the City may provide raised medians (divided roadways) along the following street segments:

- Wilmington Avenue between Compton Boulevard and the Artesia Freeway;

- Long Beach Boulevard between the north City limits and the Artesia Freeway (virtually its entire length through Compton); and

- Rosecrans Avenue between Santa Fe Avenue and Long Beach Boulevard.

If studies indicate these improvements can significantly improve traffic flow, improvements will be completed before the year 2005.

Alameda Corridor: As described previously in this element, the Alameda Corridor represents a major improvement to the regional transportation system (Figure C-2). The corridor, planned to connect the ports of Los Angeles and Long Beach to multi-modal goods distribution facilities near downtown Los Angeles, is described as "a critical link for the movement of local and international cargo."[1] This road and rail freight route is intended to reduce through truck traffic on parallel streets and freeways, especially heavily-traveled Interstate 710, and to consolidate freight rail traffic to a single corridor, thus reducing rail/surface street conflicts.

As a member of the Alameda Corridor Transportation Authority, Compton will participate in the selection of the corridor design. Primary options include: 1) a four-lane road with parallel, multi-track rail lines; 2) a six-lane, one-way road couplet with at-grade rail tracks between the one-way routes; and 3) the six-lane road couplet separated by a depressed rail way. Grade separations are contemplated at principal east-west streets. Compton will encourage grade separations at several locations in the City, as described below.

Grade Separations: Construction of new rail and surface street grade separations involves tremendous costs. However, traffic congestion can be greatly mitigated by removing hindrances to free east-west traffic flow. Thus, the City strongly supports efforts to consolidate freight rail traffic along a single corridor and to provide grade separations in the design of the Alameda Corridor. Priority streets in Compton for grade separation include Compton Boulevard, Alondra Boulevard, and Greenleaf Boulevard.

Compton will work to include these streets in the design of the Alameda Corridor. In the event the Alameda Corridor is not built or construction is significantly delayed, Compton will seek other funding sources and establish accelerated time schedules for construction of grade separations.

---

[1]Project Memorandum, "The Alameda Corridor Project," Alameda Corridor Transportation Authority.

The City will continue construction efforts to complete the Mealy Street rail line relocation, which involves completion of the Rosecrans Avenue overpass at Alameda Street and depression of West Alameda Street below the relocated Wilmington Branch rail line, among other improvements.

Traffic Signal Synchronization: The City will complete its program to computerize traffic signals Citywide so that traffic flow can be synchronized and better managed. Complete synchronization will be accomplished by 1995.

ROADWAY MAINTENANCE AND REHABILITATION

Potholed streets, crumbling curbs, and cracked sidewalks citywide contribute to traffic safety problems and a general unkempt appearance. By implementing stronger roadway rehabilitation and maintenance programs, the City will achieve two important goals -- reducing congestion and enhancing the visual character of Compton.

Additional funds for infrastructure improvements will be available from State gas tax revenues increased via legislation passed in 1990. The legislation ties a jurisdiction's eligibility for funds to that jurisdiction's compliance with adopted Congestion Management Plans. Compton will comply with the provisions of the Los Angeles County CMP, as discussed in this element, to ensure the City receives its share of the revenues. A Capital Improvement Plan (CIP) will be submitted to the LACTC as required.

The City will place priority on rehabilitating residential streets within target neighborhoods, as discussed in the Housing Element, toward the end of improving overall neighborhood quality. General Fund, Community Development Block Grant (CDBG), and tax increment resources will be used for this program. Tax increment and CMP funds will be the primary resources used to finance roadway improvements within the commercial and industrial districts.

As growth throughout Southern California adds vehicles to the region's overburdened freeway and arterial highway systems, people will rely more heavily upon public transportation, especially for commute trips. Compton's ready access to RTD and other bus lines and to the Blue Line passenger rail will continue to offer Compton residents and persons working in the City alternatives to the private automobile.

Bus Service

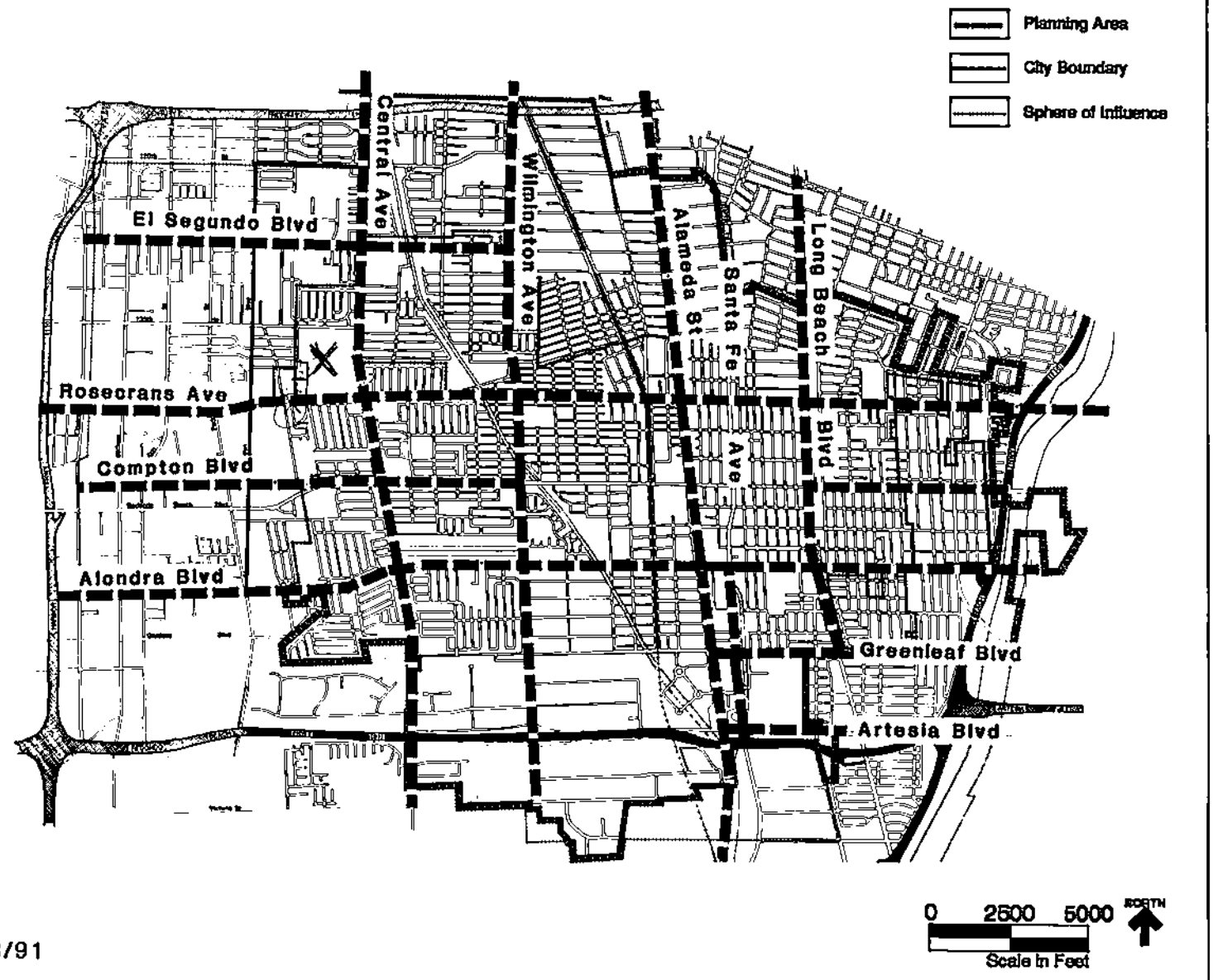
To encourage use of public transit, the City will pursue several programs. Foremost, City officials will work with the RTD to monitor bus transit demands and service levels, and to adjust schedules and routes to best serve residents and commuters into the City. Figure C-3 illustrates preferred bus routes. Bus stops will be clearly identified with signs and benches or bus shelters. The City will cooperate with the RTD in funding these necessities.

In reviewing new development proposals, the City will consider the need for bus turnouts for projects abutting Major and Secondary Highways and Collector streets. If such improvements are necessary, the City will rely largely upon developer financing of the improvements.

Passenger Rail

To maximize use of passenger rail, Compton's multi-modal transit center at the Blue Line station will be expanded to accommodate shuttle bus and vanpool service to and from major employment centers. The center may have designated parking and loading areas for shuttle vehicles. Figure C-3 shows potential destination for shuttle services.

The City will support RTD's and other bus service providers' use of the transit center by providing adequate park-and-ride lots. The City, together with RTD, will monitor uses of the lots and will expand lots as necessary to support increased



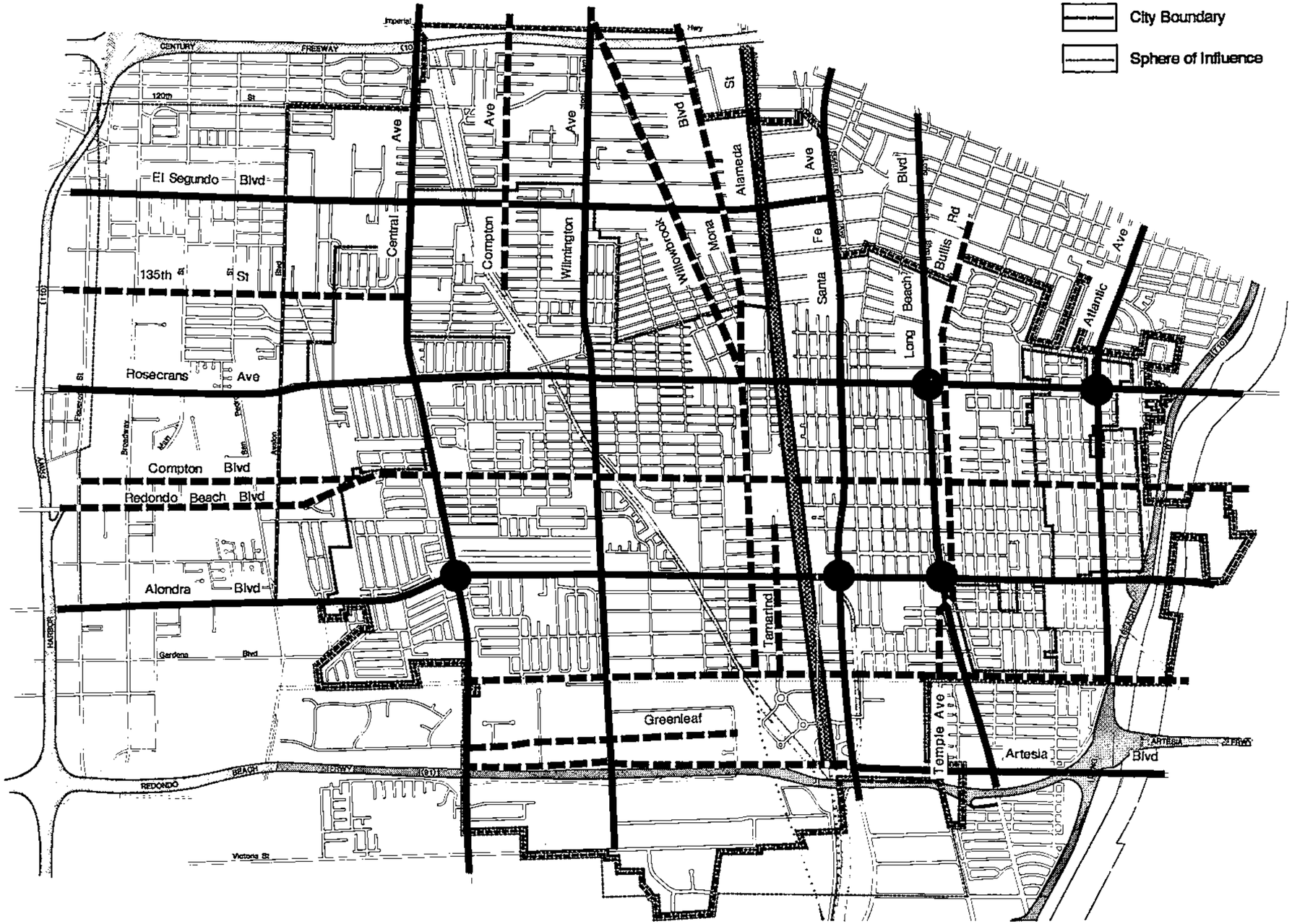
12/3/91

DESIGNATED TRUCK ROUTE

SOURCE: City of Compton

Figure C - 4
Truck Routes

Compton General Plan



12/3/91

MAJOR HIGHWAY

SECONDARY HIGHWAY

COLLECTOR*

SPECIAL STUDY CORRIDOR

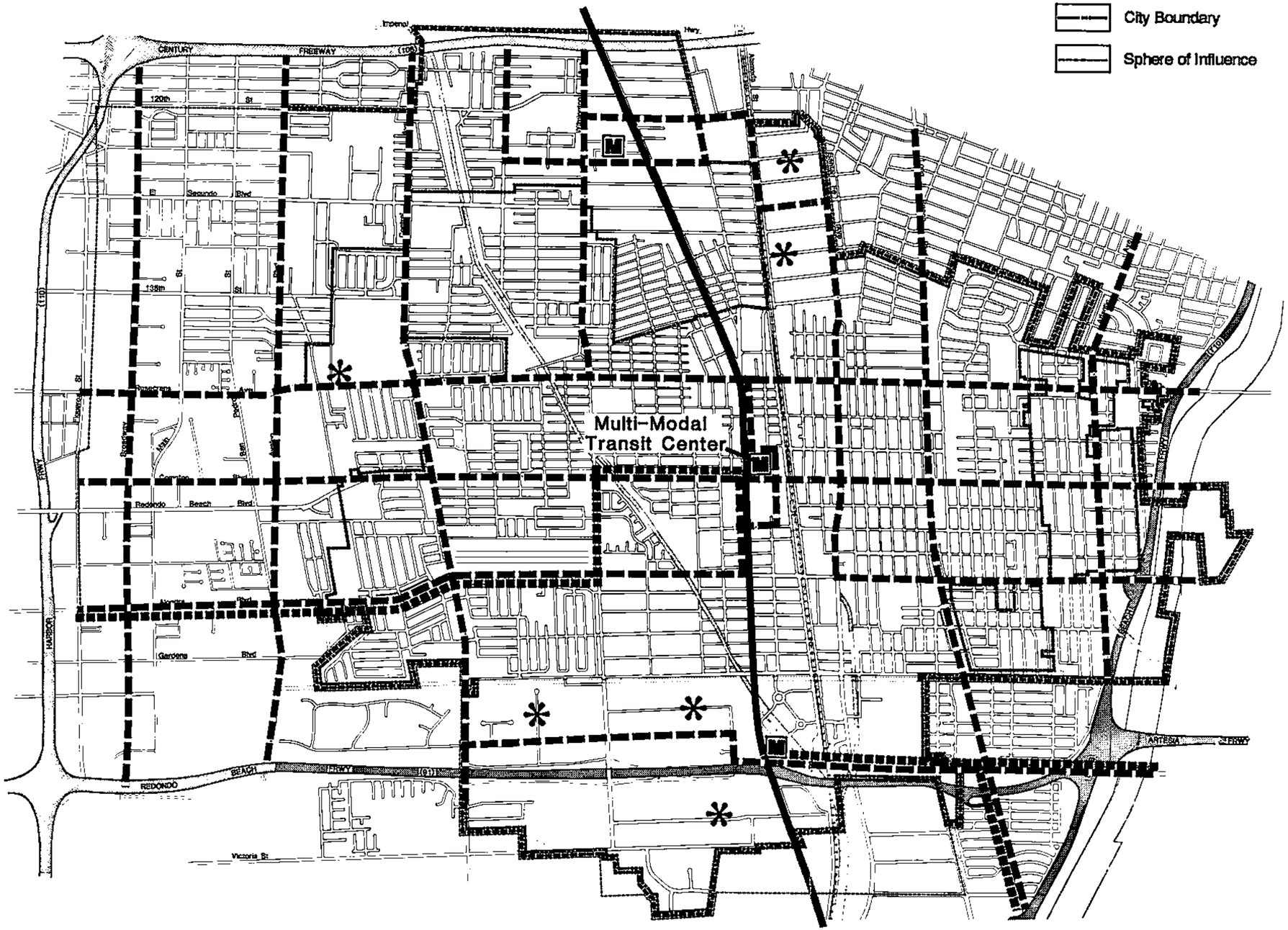
CRITICAL INTERSECTION

* The designation of Collector streets will be the subject of a separate, special study.

SOURCE: City of Compton

Figure C-2
Master Plan of Streets and Highways

Compton General Plan



12/3/91

METRORAIL BLUE LINE PASSENGER RAIL

METRORAIL STATION

REGIONAL BUS LINE (SCRTD)

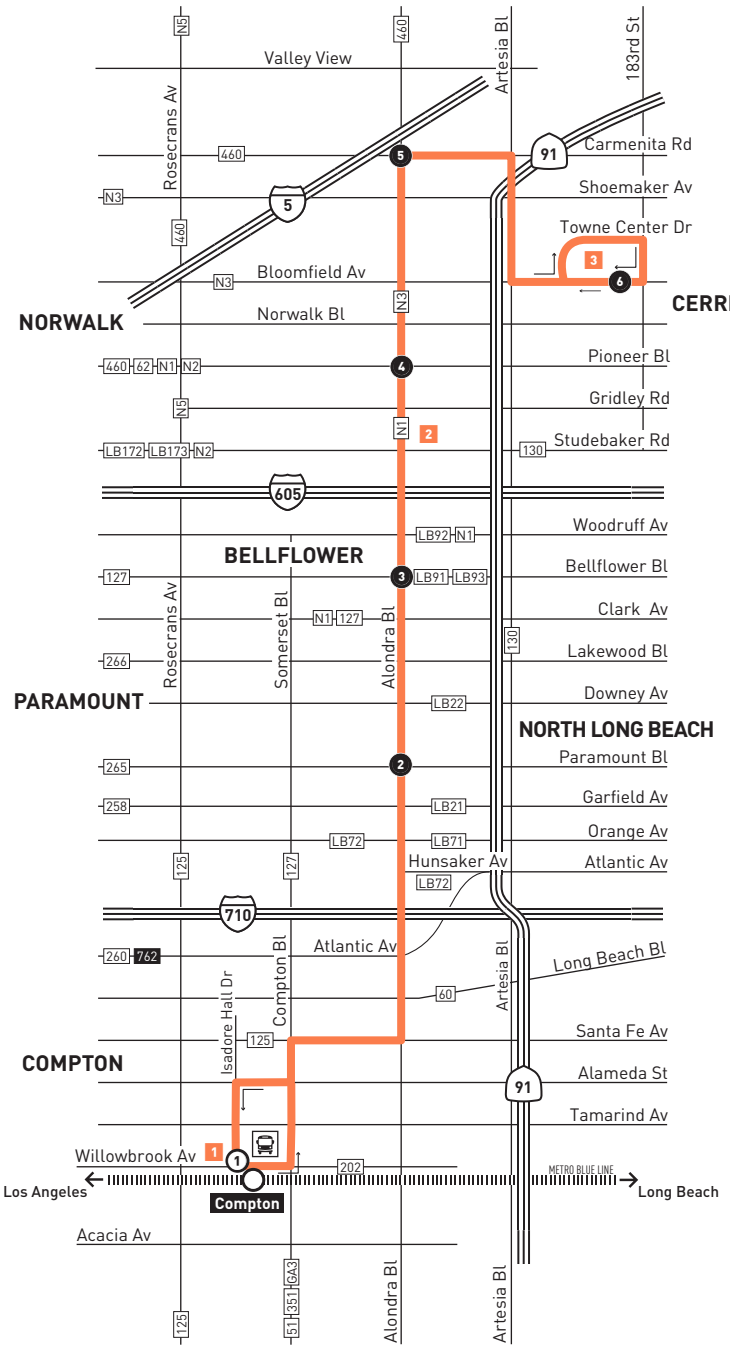
SUBREGIONAL BUS LINE

SHUTTLE SERVICE DESTINATION

SOURCE: SCRTD, City of Gardena
City of Long Beach

Figure C - 3
Public Transit Plan

ROUTE MAP



◀N

LEGEND

━━	Line 128 Route
#	Local Stop Timepoint
▮▮▮▮▮▮	Metro Rail
○	Metro Rail Station
#	Metro Rail Station & Timepoint
	Transit Center
GA	GTrans (Gardena)
LB	Long Beach Transit
N	Norwalk Transit

MAP NOTES

1. **Compton Metro Blue Line Station/ Martin Luther King Jr. Transit Center**
   Metro Blue Line,
   Metro 51, 60 (owl), 125, 127, 128, 351; Compton Renaissance Transit: 1, 2, 3, 4, 5; GA3
2. **Cerritos College**
3. **Cerritos Towne Center**
   128

Saturday,Sunday and Holiday Schedules

No service on Saturday, Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

No hay servicio en sábados, domingo, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Nextrip

Text "metro" and your intersection or stop number to 41411 (example: metro vignes&cesarechavez or metro 1563).
You can also visit m.metro.net or call 511 and say "Nextrip"

Nextrip

Envíe un mensaje de texto con "Metro" y la intersección de la calle o el número de su parada al 41411. Nextrip le enviará un mensaje de texto con la próxima llegada de cada autobús en esa parada. También puede visitar m.metro.net o llamar al 511 y decir "Nextrip"

Monday through Friday

Effective Jun 25 2017

128

Eastbound *Al Este* (Approximate Times/Tiempos Aproximados)

COMPTON	PARAMOUNT	BELLFLOWER	NORWALK	CERRITOS	
1	2	3	4	5	6
Martin Luther King Jr. TC / Compton Station	Alondra & Paramount	Alondra & Bellflower	Alondra & Pioneer	Alondra & Carmenita	Cerritos Towne Center
6:00A	6:23A	6:32A	6:43A	6:50A	7:05A
6:28	6:51	7:00	7:13	7:20	7:35
6:57	7:20	7:30	7:43	7:50	8:05
7:26	7:50	8:00	8:13	8:20	8:35
8:03	8:27	8:37	8:50	8:57	9:11
8:51	9:15	9:25	9:38	9:45	9:59
9:46	10:10	10:20	10:33	10:40	10:54
10:41	11:05	11:15	11:28	11:35	11:49
11:35	11:59	12:10P	12:23P	12:30P	12:44P
12:29P	12:53P	1:04	1:17	1:24	1:38
1:23	1:47	1:58	2:11	2:18	2:32
2:15	2:41	2:52	3:05	3:12	3:26
3:07	3:33	3:45	3:59	4:06	4:20
3:58	4:24	4:36	4:51	4:58	5:12
4:51	5:16	5:28	5:43	5:50	6:04
5:46	6:11	6:21	6:35	6:42	6:56
6:44	7:07	7:16	7:28	7:34	7:47
7:40	8:02	8:10	8:20	8:26	8:39

Monday through Friday

128

Westbound *Al Oeste* (Approximate Times/Tiempos Aproximados)

CERRITOS		NORWALK	BELLFLOWER	PARAMOUNT	COMPTON
6	5	4	3	2	1
Cerritos Towne Center	Alondra & Carmenita	Alondra & Pioneer	Alondra & Bellflower	Alondra & Paramount	Martin Luther King Jr. TC / Compton Station
6:00A	6:10A	6:18A	6:29A	6:37A	6:56A
6:35	6:45	6:53	7:04	7:13	7:35
7:13	7:25	7:33	7:44	7:53	8:14
7:52	8:03	8:12	8:24	8:33	8:54
8:35	8:45	8:54	9:06	9:15	9:36
9:25	9:35	9:44	9:56	10:06	10:27
10:13	10:24	10:33	10:46	10:56	11:17
11:05	11:16	11:25	11:38	11:48	12:09P
11:59	12:10P	12:19P	12:32P	12:42P	1:03
12:53P	1:04	1:13	1:26	1:36	1:57
1:46	1:57	2:06	2:20	2:31	2:54
2:41	2:52	3:01	3:15	3:26	3:49
3:35	3:47	3:56	4:10	4:21	4:43
4:28	4:41	4:51	5:05	5:16	5:38
5:20	5:33	5:43	5:57	6:07	6:27
6:15	6:27	6:35	6:47	6:56	7:14
7:10	7:20	7:27	7:37	7:45	8:03
8:00	8:10	8:17	8:27	8:34	8:52

APPENDIX C

EXISTING TRAFFIC COUNTS

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	5	0	10	15	3	167	5	175	2	0	7	9	4	82	4	90	289
07:15 AM	7	3	5	15	4	213	6	223	6	0	9	15	4	100	1	105	358
07:30 AM	16	8	14	38	12	223	1	236	5	6	11	22	0	111	7	118	414
07:45 AM	10	3	11	24	18	217	7	242	6	3	12	21	5	161	6	172	459
Total	38	14	40	92	37	820	19	876	19	9	39	67	13	454	18	485	1520
08:00 AM	12	3	4	19	10	211	10	231	11	2	7	20	6	153	7	166	436
08:15 AM	10	1	5	16	6	214	12	232	7	3	11	21	2	152	6	160	429
08:30 AM	6	0	10	16	5	137	5	147	7	1	2	10	5	105	4	114	287
08:45 AM	7	5	2	14	4	184	2	190	5	0	4	9	3	77	1	81	294
Total	35	9	21	65	25	746	29	800	30	6	24	60	16	487	18	521	1446
Grand Total	73	23	61	157	62	1566	48	1676	49	15	63	127	29	941	36	1006	2966
Apprch %	46.5	14.6	38.9		3.7	93.4	2.9		38.6	11.8	49.6		2.9	93.5	3.6		
Total %	2.5	0.8	2.1	5.3	2.1	52.8	1.6	56.5	1.7	0.5	2.1	4.3	1	31.7	1.2	33.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118	414
07:45 AM	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**	**459**
08:00 AM	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166	436
08:15 AM	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160	429
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616	1738
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2		
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895	.947

Counts Unlimited
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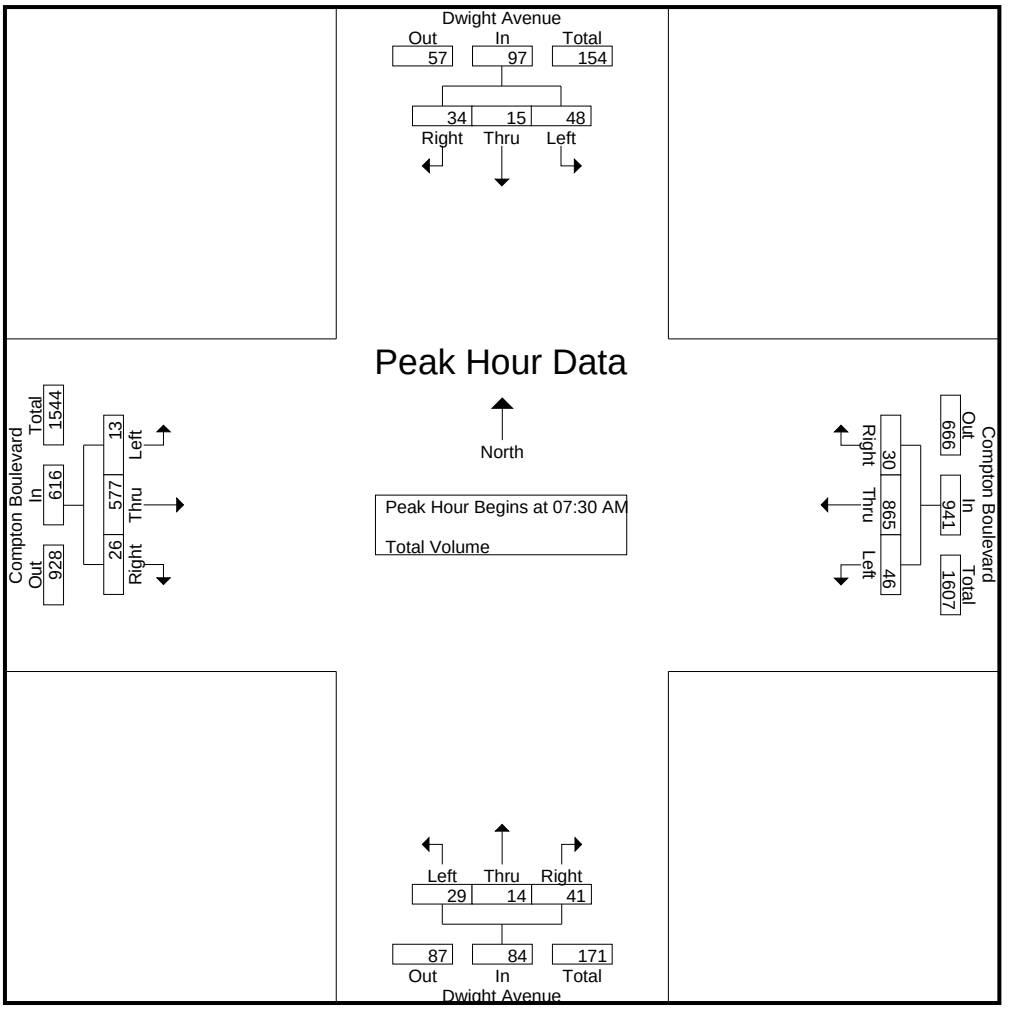
File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118
+15 mins.	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**
+30 mins.	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166
+45 mins.	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2	
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_PM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	14	6	5	25	7	127	8	142	8	3	3	14	14	294	5	313	494
04:15 PM	11	6	3	20	12	155	9	176	5	7	7	19	6	284	12	302	517
04:30 PM	9	2	2	13	7	125	12	144	4	3	6	13	11	254	16	281	451
04:45 PM	14	4	2	20	7	119	14	140	1	8	11	20	9	293	13	315	495
Total	48	18	12	78	33	526	43	602	18	21	27	66	40	1125	46	1211	1957
05:00 PM	13	6	9	28	11	125	16	152	7	8	5	20	12	331	12	355	555
05:15 PM	8	10	1	19	13	143	14	170	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	29	280	18	327	495
05:45 PM	6	2	6	14	7	113	11	131	7	3	3	13	9	250	15	274	432
Total	35	23	17	75	43	487	57	587	23	22	22	67	70	1167	55	1292	2021
Grand Total	83	41	29	153	76	1013	100	1189	41	43	49	133	110	2292	101	2503	3978
Apprch %	54.2	26.8	19		6.4	85.2	8.4		30.8	32.3	36.8		4.4	91.6	4		
Total %	2.1	1	0.7	3.8	1.9	25.5	2.5	29.9	1	1.1	1.2	3.3	2.8	57.6	2.5	62.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	**14**	4	2	20	7	119	14	140	1	**8**	**11**	**20**	9	293	13	315	495
05:00 PM	13	6	**9**	**28**	11	125	**16**	152	**7**	8	5	20	12	**331**	12	**355**	**555**
05:15 PM	8	**10**	1	19	**13**	**143**	14	**170**	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	**29**	280	**18**	327	495
Total Volume	43	25	13	81	43	493	60	596	17	27	30	74	70	1210	53	1333	2084
% App. Total	53.1	30.9	16		7.2	82.7	10.1		23	36.5	40.5		5.3	90.8	4		
PHF	.768	.625	.361	.723	.827	.862	.938	.876	.607	.844	.682	.925	.603	.914	.736	.939	.939

Counts Unlimited
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File Name : 01_CPT_Dwight_Compton_PM
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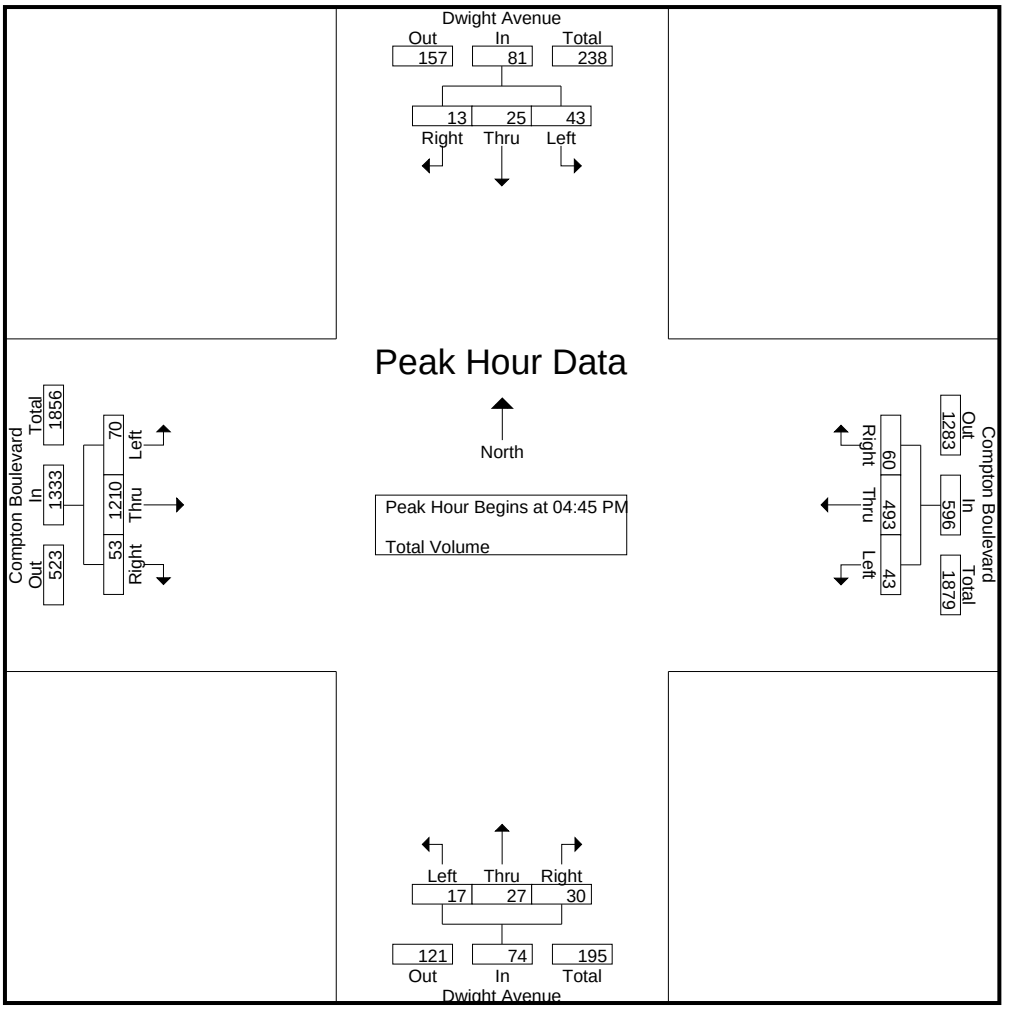

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM				04:15 PM				04:45 PM				04:45 PM			
+0 mins.	11	**6**	3	20	**12**	**155**	9	**176**	1	**8**	**11**	**20**	9	293	13	315
+15 mins.	9	2	2	13	7	125	12	144	**7**	8	5	20	12	**331**	12	**355**
+30 mins.	**14**	4	2	20	7	119	14	140	3	6	5	14	20	306	10	336
+45 mins.	13	6	**9**	**28**	11	125	**16**	152	6	5	9	20	**29**	280	**18**	327
Total Volume	47	18	16	81	37	524	51	612	17	27	30	74	70	1210	53	1333
% App. Total	58	22.2	19.8		6	85.6	8.3		23	36.5	40.5		5.3	90.8	4	
PHF	.839	.750	.444	.723	.771	.845	.797	.869	.607	.844	.682	.925	.603	.914	.736	.939

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
Wed, Aug 21, 19	LOCATION:	Compton	PROJECT #:	SC	
	NORTH & SOUTH:	Kemp	LOCATION #:	1	
	EAST & WEST:	Compton	CONTROL:	STOP N/S	

NOTES:

Queue EB PM

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Kemp			SOUTHBOUND Kemp			EASTBOUND Compton			WESTBOUND Compton			
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	TOTAL
AM	7:00 AM	3	0	3	5	0	5	1	95	2	3	217	2	336
	7:15 AM	1	0	6	6	0	7	1	139	0	0	240	2	402
	7:30 AM	1	0	8	7	0	17	3	197	1	5	254	3	496
	7:45 AM	1	0	2	3	0	20	1	211	0	4	259	4	505
	8:00 AM	0	0	3	4	0	7	6	166	0	6	234	9	435
	8:15 AM	0	0	0	0	0	7	4	153	0	2	176	3	345
	8:30 AM	0	0	4	1	0	1	3	127	0	5	174	4	319
	8:45 AM	1	1	2	1	0	6	2	132	1	2	132	4	284
	VOLUMES	7	1	28	27	0	70	21	1,220	4	27	1,686	31	3,122
	APPROACH %	19%	3%	78%	28%	0%	72%	2%	98%	0%	2%	97%	2%	
	APP/DEPART	36	/	51	97	/	27	1,245	/	1,279	1,744	/	1,765	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	3	0	19	20	0	51	11	713	1	15	987	18	1,838
	APPROACH %	14%	0%	86%	28%	0%	72%	2%	98%	0%	1%	97%	2%	
	PEAK HR FACTOR		0.611			0.740			0.855			0.955		0.910
	APP/DEPART	22	/	28	71	/	15	725	/	753	1,020	/	1,042	0
PM	4:00 PM	0	0	4	0	1	3	5	273	1	3	140	5	435
	4:15 PM	0	1	4	3	0	8	7	241	1	4	176	5	450
	4:30 PM	1	0	1	3	0	6	9	289	0	2	153	12	476
	4:45 PM	0	0	2	2	0	3	11	294	0	4	144	4	464
	5:00 PM	0	0	4	1	0	3	5	306	3	5	141	12	480
	5:15 PM	0	0	7	2	0	5	3	301	2	1	129	6	456
	5:30 PM	0	0	3	0	0	3	4	312	1	0	149	1	473
	5:45 PM	0	0	4	2	1	3	10	288	4	0	122	4	438
	VOLUMES	1	1	29	13	2	34	54	2,304	12	19	1,154	49	3,672
	APPROACH %	3%	3%	94%	27%	4%	69%	2%	97%	1%	2%	94%	4%	
	APP/DEPART	31	/	101	49	/	31	2,370	/	2,348	1,222	/	1,192	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	1	0	14	8	0	17	28	1,190	5	12	567	34	1,876
	APPROACH %	7%	0%	93%	32%	0%	68%	2%	97%	0%	2%	92%	6%	
	PEAK HR FACTOR		0.536			0.694			0.974			0.918		0.977
	APP/DEPART	15	/	59	25	/	16	1,223	/	1,213	613	/	588	0

APPENDIX D

ICU ANALYSIS WORKSHEETS

EXISTING CONDITIONS

Compton & Kemp Residential TIA
Existing Conditions
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.490
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	14	41	48	15	34	13	577	26	46	865	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	31	15	43	51	16	36	14	607	27	48	911	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	15	43	51	16	36	14	607	27	48	911	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	15	43	51	16	36	14	607	27	48	911	32
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.06	0.06	0.01	0.20	0.20	0.03	0.29	0.29
Crit Moves:		****			****			****			****	

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Compton & Kemp Residential TIA
Existing Conditions
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.626
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	27	30	43	25	13	70	1210	53	43	493	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	18	29	32	46	27	14	74	1287	56	46	524	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	29	32	46	27	14	74	1287	56	46	524	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	18	29	32	46	27	14	74	1287	56	46	524	64
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.05	0.05	0.05	0.42	0.42	0.03	0.18	0.18
Crit Moves:		****		****				****		****		

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PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS

Compton & Kemp Residential TIA
Project Opening Yea (2021) Without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.501
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0 1! 0	0	0	0 1! 0	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	30	15	43	50	16	35	14	600	27	48	900	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	32	15	45	53	16	37	14	632	28	50	947	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	15	45	53	16	37	14	632	28	50	947	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	32	15	45	53	16	37	14	632	28	50	947	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
OPening Year (2021) Without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.648
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	28	31	45	26	14	73	1259	55	45	513	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	19	30	33	48	28	14	77	1339	59	48	546	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	30	33	48	28	14	77	1339	59	48	546	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	30	33	48	28	14	77	1339	59	48	546	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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PROJECT OPENING YEAR WITH PROJECT CONDITIONS

Compton & Kemp Residential TIA
Opening Year (2021) With Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.505
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	0	1	0 1	1	0	1 1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	5	0	3	0	0	0	0	1	2	1	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	15	46	50	16	35	14	601	29	49	901	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	37	15	48	53	16	37	14	633	31	51	948	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	15	48	53	16	37	14	633	31	51	948	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	37	15	48	53	16	37	14	633	31	51	948	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.37	0.15	0.48	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	590	244	766	792	247	561	1600	3053	147	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
Opening Year (2021) With Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.656
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	4	0	2	0	0	0	0	2	6	3	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	28	33	45	26	14	73	1261	61	48	514	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	23	30	35	48	28	14	77	1341	65	51	547	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	30	35	48	28	14	77	1341	65	51	547	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	30	35	48	28	14	77	1341	65	51	547	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.26	0.34	0.40	0.53	0.31	0.16	1.00	1.91	0.09	1.00	1.78	0.22
Final Sat.:	418	542	640	849	494	257	1600	3052	148	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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APPENDIX E

PARKING DATA

Compton Parking Survey
Wednesday June 19th, 2019

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Subtotal	**19**	**8**	**9**	**9**	**7**	**5**	**7**	**7**	**7**	**6**	**6**	**6**	**6**	**4**	**5**	**5**	**5**	**4**
	Total Occupancy	19	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Total Percent		**42%**	**47%**	**47%**	**37%**	**26%**	**37%**	**37%**	**37%**	**32%**	**32%**	**32%**	**32%**	**21%**	**26%**	**26%**	**26%**	**21%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	Construction	0	0	0	0	3	3	4	4	4	4	4	5	5	5	5
	West Side of Street	**9**	Construction	Construction	5	4	4	7	8	9	9	9	9	9	9	9	9	9	9
	Subtotal	**16**	**0**	**0**	**5**	**4**	**4**	**7**	**11**	**12**	**13**	**13**	**13**	**13**	**13**	**14**	**14**	**14**	**14**
	Total Occupancy	16	0	0	5	4	4	7	11	12	13	13	13	13	13	14	14	14	14
	Total Percent		**0%**	**0%**	**31%**	**25%**	**25%**	**44%**	**69%**	**75%**	**81%**	**81%**	**81%**	**81%**	**81%**	**88%**	**88%**	**88%**	**88%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	17	18	17	18	19	20	20	17	19	19	20	20	21	21	21	21
	South Side of Street	**21**	13	14	14	14	13	15	14	16	17	17	16	18	18	18	17	17	18
	Subtotal	**46**	**28**	**31**	**32**	**31**	**31**	**34**	**34**	**36**	**34**	**36**	**35**	**38**	**38**	**39**	**38**	**38**	**39**
	Total Occupancy	46	28	31	32	31	31	34	34	36	34	36	35	38	38	39	38	38	39
	Total Percent		**61%**	**67%**	**70%**	**67%**	**67%**	**74%**	**74%**	**78%**	**74%**	**78%**	**76%**	**83%**	**83%**	**85%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	West Side of Street	**5**	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
	Subtotal	**13**	**3**	**3**	**4**	**5**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**4**	**3**	**4**	**4**	**4**	**4**
	Total Occupancy	13	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	Total Percent		**23%**	**23%**	**31%**	**38%**	**15%**	**15%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**23%**	**31%**	**31%**	**31%**	**31%**

	Grand Total Occupancy	94	39	43	50	47	42	50	54	57	56	58	57	61	58	62	61	61	61
	Grand Total Percent		**41%**	**46%**	**53%**	**50%**	**45%**	**53%**	**57%**	**61%**	**60%**	**62%**	**61%**	**65%**	**62%**	**66%**	**65%**	**65%**	**65%**

Counts Unlimited, Inc.
P.O. Box 1178
Corona, CA 92878
951-268-6268

APPENDIX F

SIGNAL WARRANT ANALYSIS WORKSHEETS

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: AM

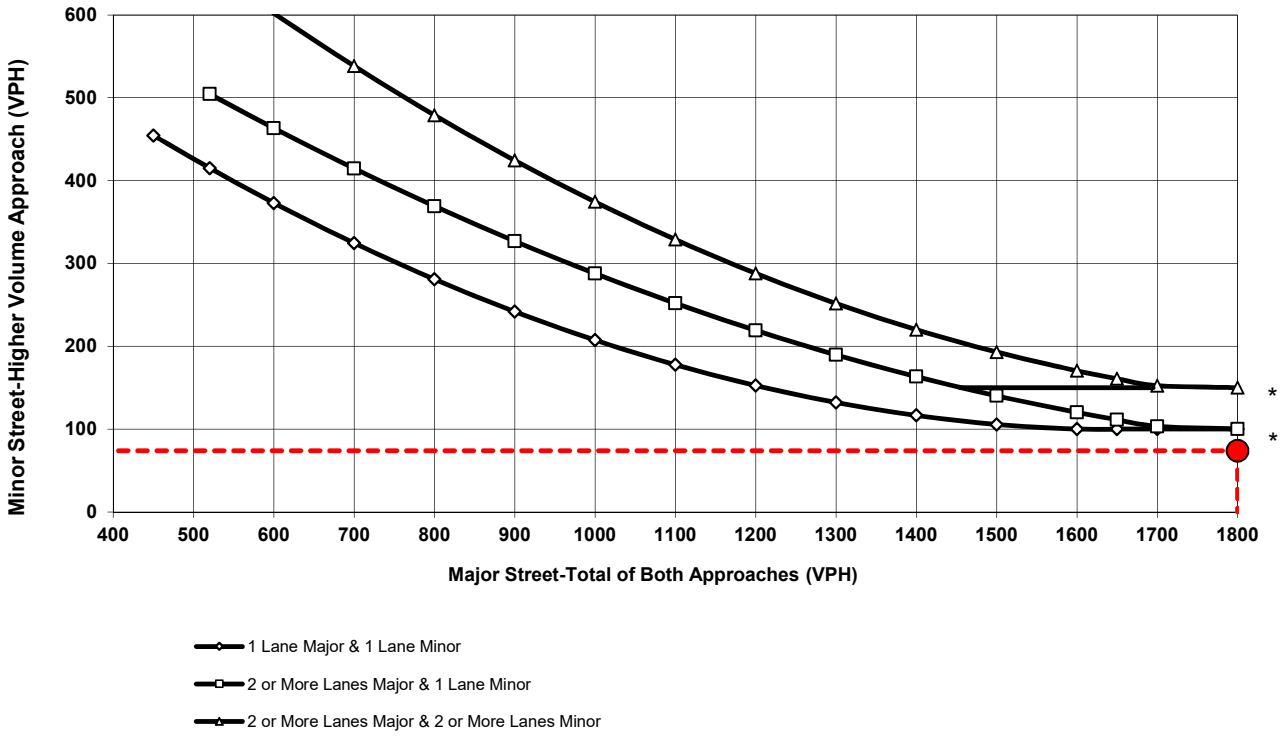
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1822	Higher Volume Approach (VPH):	74
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: PM

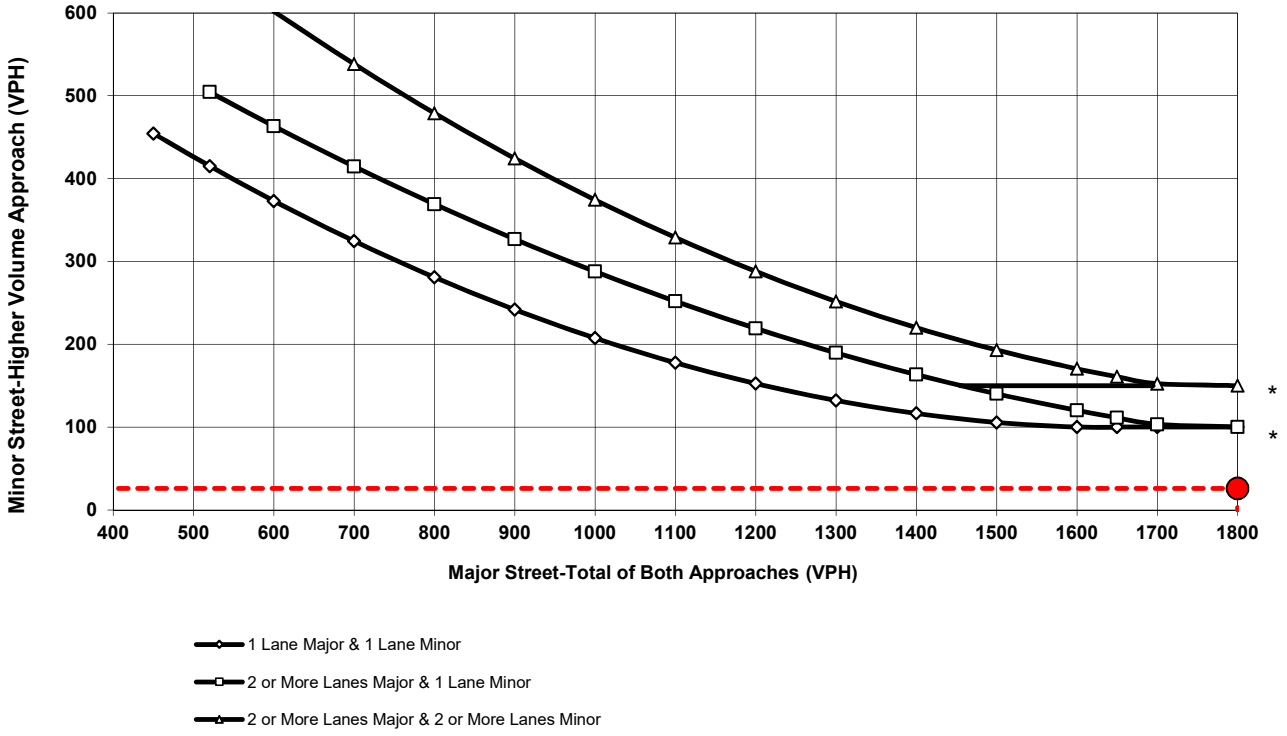
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1920	Higher Volume Approach (VPH):	26
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

Project Opening Year With Project Conditions
PM Peak Hour Volume Warrant
Compton Boulevard/Kemp Avenue

Compton & Kemp Residential
Traffic Impact Analysis
City of Compton, California

Prepared for:
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92618

Prepared by:
TJW ENGINEERING, INC.
6 Venture, Suite 225
Irvine, CA 92618

September 24, 2019

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING CONSULTANTS

September 24, 2019

Ms. Kim Prijatel
CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Subject: Traffic & Parking Analysis: Compton & Kemp Residential Project, City of Compton

Dear Ms. Prijatel:

TJW ENGINEERING, INC. (TJW) is pleased to present you with this revised traffic impact analysis for the proposed **Compton & Kemp Residential** project in the City of Compton.

This traffic study has been prepared to meet the traffic study requirements for the City of Compton and address comments provided on the draft report by City staff on August 8, 2019. This report is being submitted to you for review and forwarding to the City of Compton.

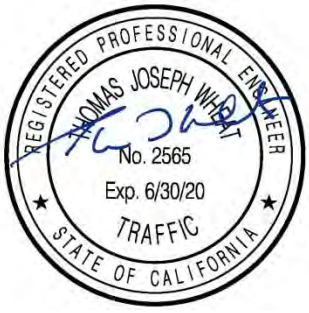
Please contact us at (949) 878-3509 if you have any questions regarding this analysis.

Sincerely,

Thomas Wheat, PE, TE
President

Jeff Weckstein
Transportation Planner

Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*



COMPTON & KEMP RESIDENTIAL PROJECT
TRAFFIC IMPACT ANALYSIS
City of Compton

Prepared for:

CITY VENTURES
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Prepared by:

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

6 Venture, Suite 225
Irvine, CA 92618
Thomas Wheat, PE, TE
Jeffrey Weckstein

September 24, 2019
JN: CVR-19-001

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1.0 EXECUTIVE SUMMARY

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site, located at 930 West Compton Boulevard, is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

The following signalized intersection in the vicinity of the project site has been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff.

- Dwight Avenue [runs north-south (NS)] at Compton Boulevard [runs east-west (EW)].

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

1.1 SUMMARY OF ANALYSIS RESULTS

No significant impacts are projected in the study area as a result of the proposed project, based on the City of Compton's thresholds of significance. Therefore, the proposed project should not be responsible for implementing any off-site improvements, except for improvements related to the project driveways.

The study intersection is projected to operate at an acceptable LOS (LOS D or better) for all analysis scenarios.

The proposed project will result in the loss of 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue based on California Manual on Uniform Traffic Control Devices (CA MUTCD) guidelines for urban driveways. There would still remain adequate on-street parking capacity on the streets adjacent to the proposed project site. The proposed project satisfies minimum off-street parking requirements.

2.0 INTRODUCTION

This traffic impact analysis (TIA) analyzes the projected traffic operations associated with the proposed **Compton and Kemp Residential** project in the City of Compton. The purpose of this TIA is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared pursuant to applicable City of Compton/Los Angeles County traffic impact analysis guidelines.

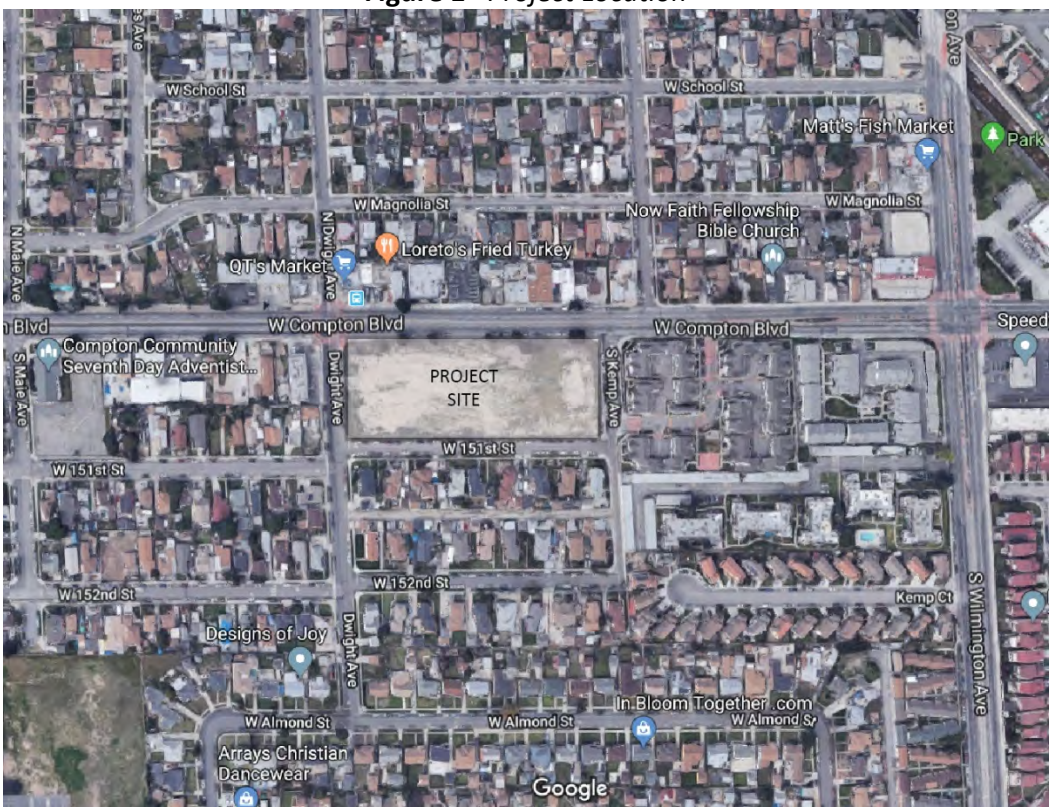
2.1 PROJECT DESCRIPTION

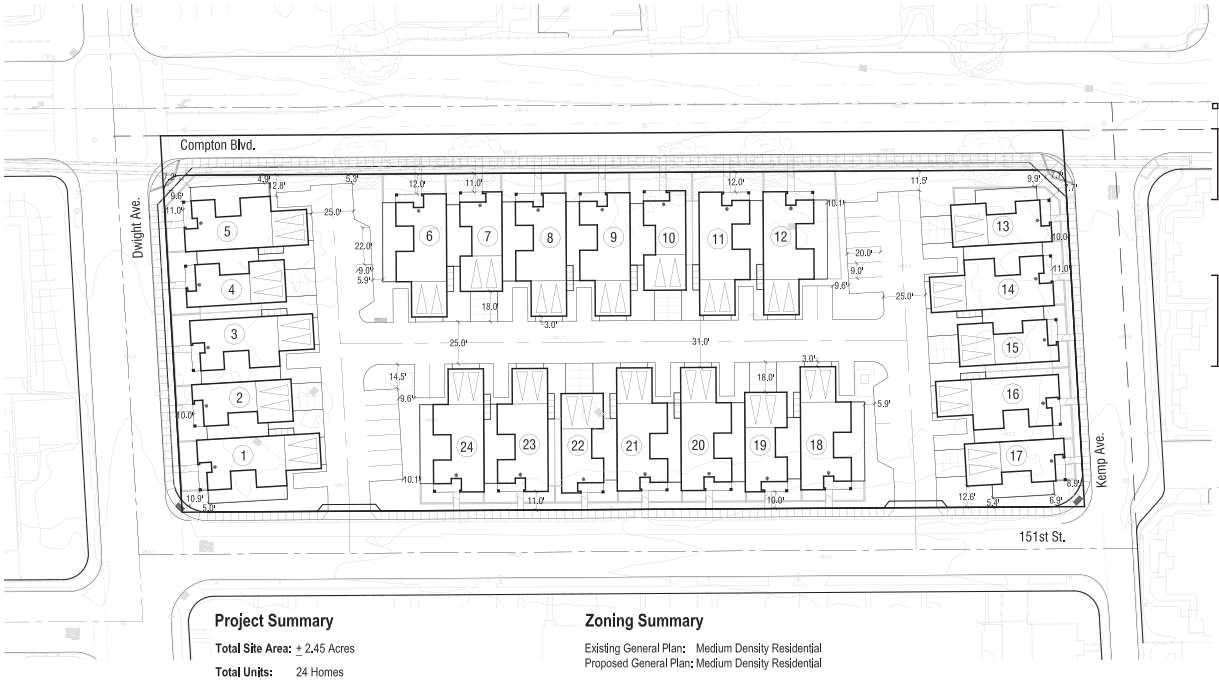
The proposed project is bounded by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

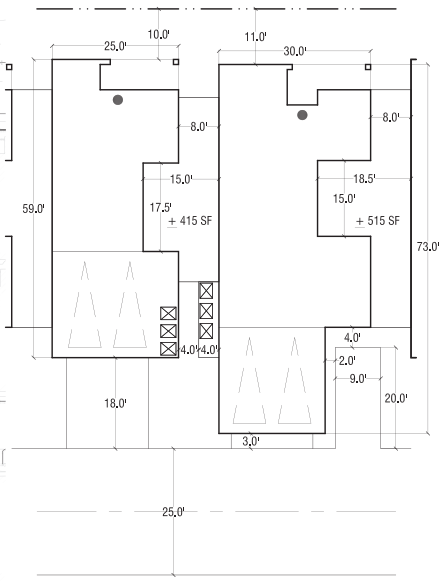
The proposed project is anticipated to be built and generating trips in 2021.

Figure 1 shows the project site location. ***Exhibit 1*** shows the proposed project site plan.

Figure 1– *Project Location*







Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (9) Plan 1: ± 1,900 SF
- (15) Plan 2: ± 2,500 SF

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 99 Spaces (4.12 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 18 Spaces (2 space/drive)
- Head In: 29 Spaces (9' x 20')
- Parallel: 4 Spaces (9' x 22')

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
Compton Blvd: 7'-8" to building
Dwight Ave: 9'-6" to building
Kemp Ave: 7'-8" to building
151st St: 8'-10"' to building

Building Separation: 8'

Max. Building Height: 35'

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

Conceptual Site Plan

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

SP-1

0 15 30 60

CITY SUBMITTAL

© 2019 WILLIAM HEZMALHALCH ARCHITECTS, INC. DBA WHA. | 2013039 | 08-19-19

City Ventures

ARCHITECTS , PLANNERS , DESIGNERS
WHA.
ORANGE COUNTY , LOS ANGELES , BAY AREA

Exhibit 1: Compton & Kemp Conceptual Site Plan

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

2.2 STUDY AREA

The following intersection in the vicinity of the project site have been included in the intersection level of service (LOS) analysis based on submission of a scoping letter and receipt of comments back from City staff. The scoping letter and City response is provided in ***Appendix A.***

- Dwight Avenue (NS) at Compton Boulevard (EW)

This traffic analysis follows the *Los Angeles County Public Works Traffic Impact Analysis Report Guidelines (January 1, 1997)*.

Exhibit 2 shows the location of the study intersections, which are analyzed for the following study scenarios:

- Existing Conditions;
- Project Opening Year (2021) Without Project Conditions; and
- Project Opening Year (2021) With Project Conditions.

Traffic operations are evaluated for the following time periods:

- Weekday AM Peak Hour occurring within 7:00 AM to 9:00 AM; and
- Weekday PM Peak Hour occurring within 4:00 PM to 6:00 PM.

2.3 ANALYSIS METHODOLOGY

Level of Service (LOS) is commonly used to describe the quality of flow on roadways and at intersections using a range of LOS from LOS A (free flow with little congestion) to LOS F (severely congested conditions). The City of Compton and Los Angeles County utilize the Intersection Capacity Utilization (ICU) methodology for signalized intersection analysis. The ICU methodology expresses the LOS of an intersection in terms of the remaining capacity at an intersection (or lack thereof). The ICU methodology compares the volume-to-capacity (V/C) ratios of conflicting turn movements at an intersection, sums the critical conflicting V/C ratios for each intersection approach, and determines the intersection's overall capacity utilization. The resulting V/C ratio is converted to an LOS as shown in ***Table 1***.

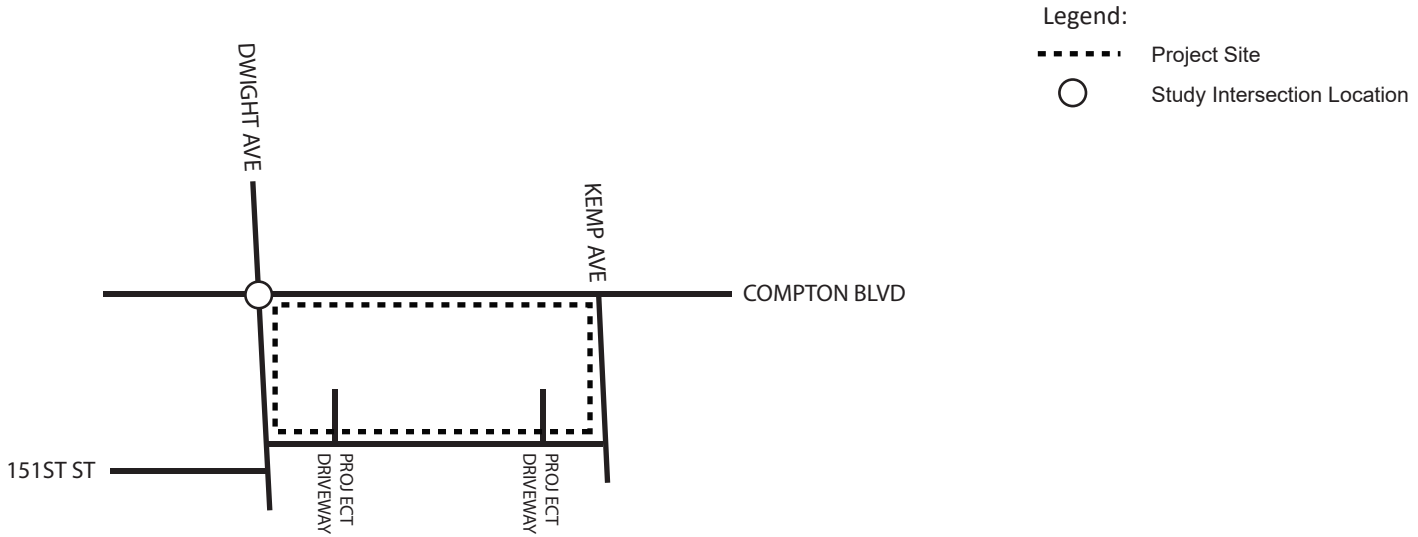


Exhibit 2: Study Intersection Locations

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 1
LOS & V/C Ranges

Level of Service	Volume to Capacity Ratio	Description
A	0.000 – 0.600	Free Flow: No approach phase is fully utilized and no vehicle waits longer than one cycle
B	0.601 – 0.700	Stable Flow: An occasional approach phase is fully utilized. Some drivers feel restricted in platoons.
C	0.701 – 0.800	Stable Flow: Major approach phases fully utilized. Most drivers feel restricted in platoons.
D	0.801 – 0.900	Tolerable Delays: Drivers may have to wait more than one cycle on occasion. Queues develop but dissipate rapidly and without excessive delays.
E	0.901 – 1.000	Unstable Operations: Volumes at or near capacity. Vehicles may wait several signal cycles. Long queues form upstream from intersection.
F	>1.000	Excessive Delays: Traffic flow breaks down, representing jammed conditions. Intersection operates below capacity. Queues may block upstream intersections.

This study utilizes a 1,900 vehicle per lane per hour saturation flow rate and a clearance interval of ten percent for the ICU analysis.

2.4 PERFORMANCE CRITERIA

The City of Compton has established level of service "D" or better as acceptable LOS for all intersections along the designated street and highway system in the General Plan Circulation Element.

2.5 THRESHOLDS OF SIGNIFICANCE

According to California Environmental Quality Act (CEQA) guidelines, a project is considered to cause a significant impact to a transportation system if it:

- Conflict with program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
- Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?[1]
- Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- Result in inadequate emergency access?

For the purposes of analyzing CEQA impacts, the City of Compton utilizes the following Los Angeles County thresholds of significant to identify significant transportation impacts:

[1]CEQA Guidelines section 15064.3(c) provides that a lead agency "may elect to be governed by the provisions" of the section immediately; otherwise, the section's provisions apply July 1, 2020. Here, the City has not elected to be governed by Section 15064.3. Accordingly, an analysis of vehicles miles traveled (VMT) is not necessary to determine whether a proposed project will have a significant transportation impact.

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

3.0 Existing Conditions

3.1 EXISTING CIRCULATION NETWORK/STUDY AREA CONDITIONS

The characteristics of the roadway system in the vicinity of the proposed project site are described in ***Table 2.***

Table 2
Roadway Characteristics Within Study Area

Roadway	Classification[1]	Direction	Existing Travel Lanes	Median Type	Speed Limit (mph)	On-Street Parking
Compton Boulevard	Secondary Highway	East-West	4	None	35	Yes
Dwight Avenue	Local Street	North-South	2	None	25	Yes
Kemp Avenue	Local Street	North-South	2	None	25	Yes
151st Street	Local Street	East-West	2	None	25	Yes

1: Sources: City of Compton General Plan Circulation Element

Exhibit 3 shows existing conditions study area intersection and roadway geometry.

3.2 CITY OF COMPTON GENERAL PLAN CIRCULATION ELEMENT

The proposed project site is located within the City of Compton. ***Appendix B*** contains the current Compton General Plan Circulation Element future transportation network and roadway classifications.

3.3 EXISTING BICYCLE AND PEDESTRIAN FACILITIES

There are no bicycle lanes on study area roadways. Sidewalks and curb ramps at intersections are present in the study area, except on the east side of Dwight Avenue along the project's frontage and on the north side of 151st Street along the project's frontage, where they are absent.

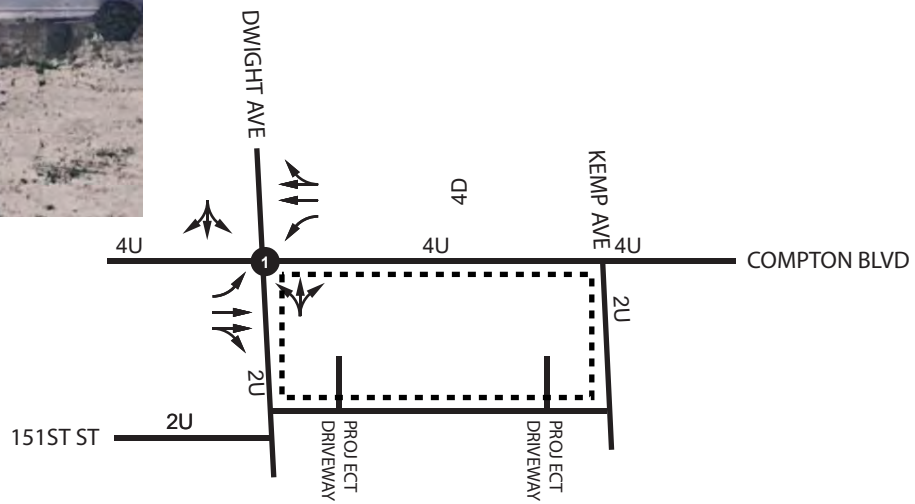
The proposed project is consistent with the City of Compton Bicycle Master Plan (May, 2015).

Appendix B contains Compton General Plan Circulation Element Bikeway Plan.

3.4 EXISTING PUBLIC TRANSIT SERVICES

The City of Compton is served by Los Angeles Metro which provides bus service throughout Los Angeles County. ***Figure 2*** shows the Metro routes in the vicinity of the City of Compton. Additionally, the Compton Renaissance Transit System provides limited local service within the City of Compton.

Source: Google Earth, 2019



Legend:

- Existing Lane
- Signal-Controlled Intersection
- 2U 2-lane Undivided Roadway
- 4U 4-lane Undivided Roadway
- Project Site

Exhibit 3: Existing Lane Geometry & Intersection Control

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Figure 2– *LA Metro Transit Routes*

There is one bus route within one-quarter mile of the proposed project site.

Metro Route 51/351 travels between the Wilshire/Vermont Purple Lane Station to the Compton Transit Center. In the vicinity of the proposed project, Route 51/351 runs along Compton Boulevard with a stop at the Compton Boulevard/Dwight Avenue intersection adjacent to the project site. Route 51/351 runs from 5:00 AM to 10:00 PM on weekdays with headways of 20-35 minutes and on weekends with 30-45 minute headways.

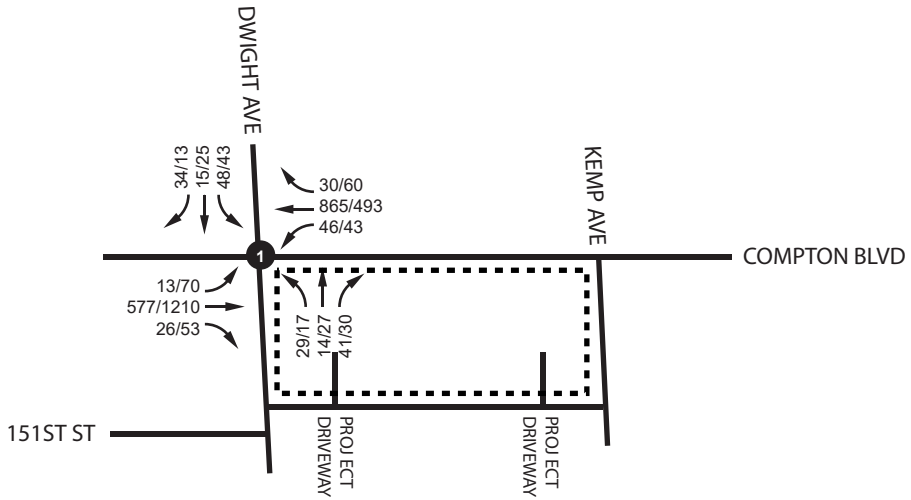
3.5 EXISTING TRAFFIC VOLUMES

To determine the existing operation of the study intersection, AM and PM peak period traffic counts at the study intersections were collected on Thursday June 6th, 2019. The traffic volumes used in this analysis are from the highest hour within the peak period counted. Detailed traffic count data is provided in ***Appendix C***.

Exhibit 4 shows existing AM and PM peak hour volumes at the study intersection.

3.6 EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS

Existing conditions AM and PM peak hour intersection analysis is shown in ***Table 3***. Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 4: Existing AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 3
Intersection Analysis – Existing Conditions

Intersection	Control Type	Peak Hour	Existing Conditions
			V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A
		PM	0.626 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 3***, the study intersection is currently operating at an acceptable LOS (LOS B or better) during the AM and PM peak hours.

4.0 Proposed Project

4.1 Project Description

The proposed project is bound by Compton Boulevard to the north, Kemp Avenue to the east, 151st Street to the south and Dwight Avenue to the west. The proposed project would consist of 24-single family dwelling units. The site is currently vacant. Site access is planned at two driveways on 151st Street.

The proposed project is anticipated to be built and generating trips in 2021.

Exhibit 1 previously showed the proposed site plans for the proposed project.

4.2 Project Trip Generation

Trip generation represents the amount of traffic, both inbound and outbound, produced by a development. Determining trip generation for a proposed project is based on projecting the amount of traffic that the specific land uses being proposed will produce.

Industry standard *Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition, 2017)* trip generation rates were used to determine trip generation of the proposed project.

Table 4 shows the ITE 10th Edition trip generation rates used to calculate forecast trip generation of the proposed project.

Table 4
Trip Generation Rates for Proposed Project Land Use

Land Use (ITE Code)	Unit	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
Single Family Residential (210)	DU	0.185	0.555	0.74	0.624	0.366	0.99	9.44

Note: DU = Dwelling Unit
Source: ITE Trip Generation, 10th Edition (2017).

Table 5 shows the projected increase in trip generation resulting from the proposed project.

Table 5
Trip Generation of Proposed Project

Land Use	Quantity	AM Peak Hour			PM Peak Hour			Daily Trips
		In	Out	Total	In	Out	Total	
24 Single - Family Dwelling Units	24 DU	5	13	18	15	9	24	227

Note: DU = Dwelling Unit

As shown in ***Table 5,*** the proposed project is forecast to generate approximately 18 AM peak hour trips, 24 PM peak hour trips and 227 daily trips.

4.3 Project Trip Distribution

Projecting trip distribution involves the process of identifying probable destinations and traffic routes that will be utilized by the proposed project's traffic. The potential interaction between the proposed land use and surrounding regional access routes are considered to identify the probable routes onto which project traffic would distribute. The projected trip distribution for the proposed project is based on anticipated travel patterns to and from the project site.

Exhibit 5 shows the projected trip distribution of proposed project trips.

4.4 Modal Split

The traffic reducing potential of public transit, walking and bicycling have not been considered in this analysis since transit facilities in the study area are limited.

4.5 Project Trip Assignment

Exhibit 6 shows the corresponding projected AM/PM peak hour trip assignment of project trips.

4.6 Traffic Management Plan

Stop signs will be installed at the project driveways for vehicles exiting the project site onto 151st street. Fire access will not be needed, in case of fires the fire department will fight the fires from outside the development. No parking signs will be posted throughout the site as needed or required by City standards.

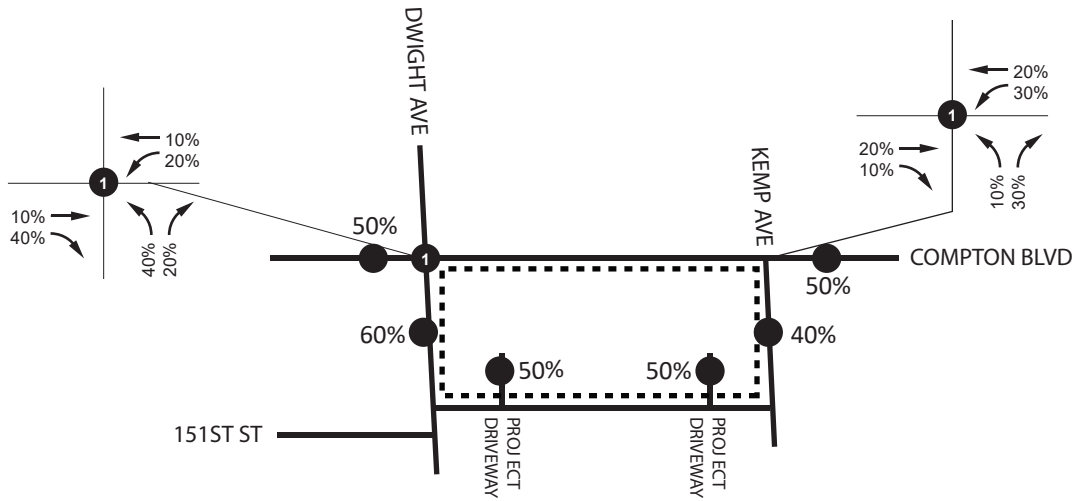
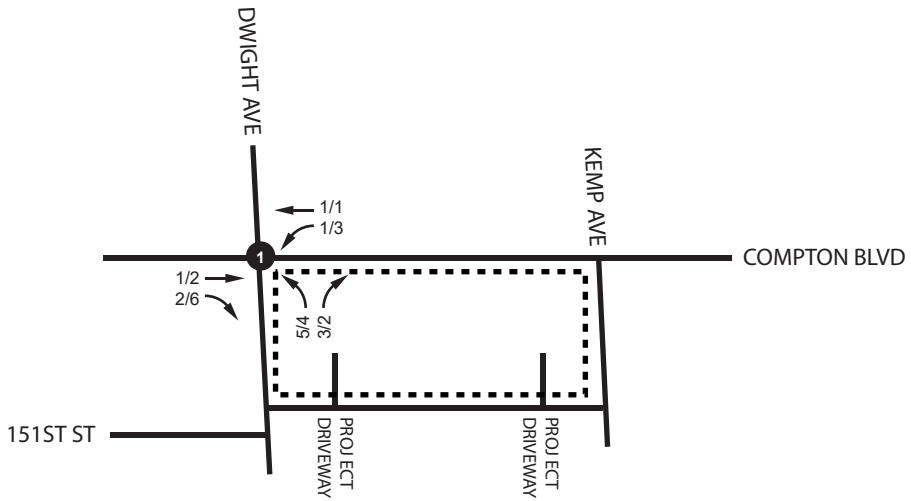


Exhibit 5: Projected Trip Distribution of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale



Legend:

XX/XX AM/PM Peak Hour Trip Assignment

Project Site

Exhibit 6: Projected Trip Assignment of Proposed Project Trips

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

5.0 Project Opening Year Without Project Conditions

5.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year without project* scenario are consistent with those previously shown in ***Exhibit 3***.

5.2 PROJECT OPENING YEAR WITHOUT PROJECT TRAFFIC VOLUMES

Project Opening Year Without Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year Without Project Volumes = (Existing (2019) Counts * 1.02^2)

Exhibit 7 shows *project opening year without project* AM and PM peak hour volumes at the study intersections.

5.3 PROJECT OPENING YEAR WITHOUT PROJECT LEVEL OF SERVICE ANALYSIS

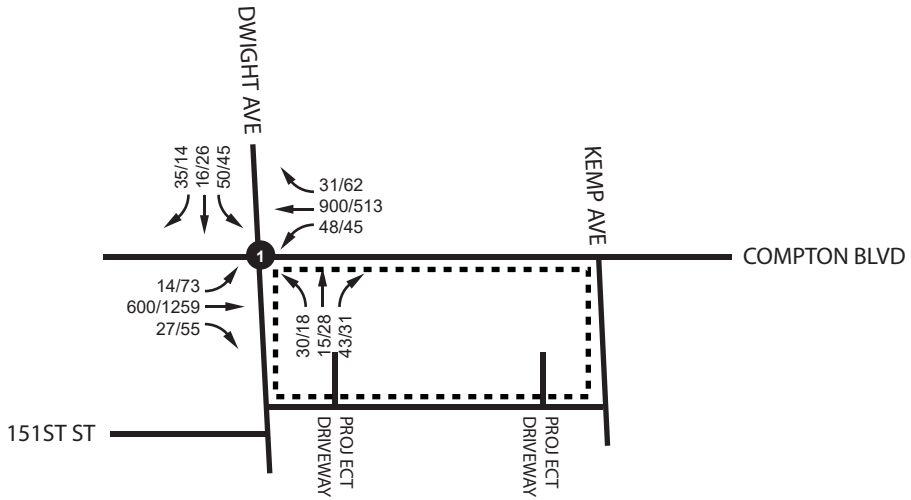
Project opening year without project conditions AM and PM peak hour intersection analysis is shown in ***Table 6.*** Calculations are based on the existing geometrics at the study intersection as shown in ***Exhibit 3.*** ICU analysis sheets are provided in ***Appendix D***.

Table 6
Intersection Analysis – Project Opening Year Without Project Conditions

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project
			V/C – LOS	V/C – LOS
Dwight Avenue/Compton Boulevard	Signal	AM	0.490 – A	0.501 – A
		PM	0.626 – B	0.648 – B

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 6***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) during the AM and PM peak hours for *project opening year without project conditions.*



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 7: Project Opening Year
Without Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

6.0 Project Opening Year With Project Conditions

Project opening year with project conditions analysis is intended to identify the project-related impacts on the existing circulation system.

6.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year with project* scenario are consistent with those previously shown in **Exhibit 3**.

6.2 PROJECT OPENING YEAR WITH PROJECT TRAFFIC VOLUMES

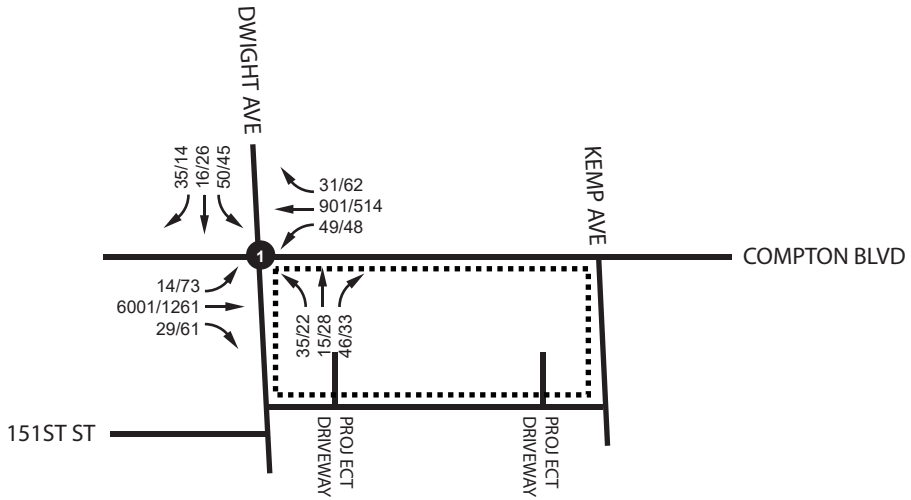
Project Opening Year With Project traffic volumes consist of existing volumes plus application of an annual ambient growth rate to the project opening year, which in this case is 2021, plus project trips. The ambient growth rate used in this analysis is based on feedback provided on the scoping letter, which recommended a growth rate of 2% per year, applied for two years, to existing volumes to account for ambient traffic growth and any small cumulative development that occurs.

Project Opening Year With Project Volumes = (Existing (2019) Counts * 1.02^2) + Project Traffic

Exhibit 8 shows *project opening year with project* AM and PM peak hour volumes at the study intersection.

6.3 PROJECT OPENING YEAR WITH PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS

Project opening year with project conditions AM and PM peak hour intersection analysis is shown in ***Table 7***. ICU analysis sheets are provided in ***Appendix D.***



Legend:

XX/XX AM/PM Peak Hour Volumes

Project Site

Exhibit 8: Project Opening Year
With Project AM/PM Peak Hour Traffic Volumes

CVR-19-001 Compton & Kemp Traffic Impact Analysis

Not to Scale

Table 7
Intersection Analysis – Project Opening Year With Project

Intersection	Control Type	Peak Hour	Existing Conditions	Project Opening Year Without Project	Project Opening Year With Project		
			V/C – LOS	V/C – LOS	V/C – LOS	Change in V/C	Significant Impact?
Dwight Avenue/Compton Boulevard	Signal	AM PM	0.490 – A 0.626 – B	0.501 – A 0.648 – B	0.505 – A 0.656 – B	0.004 0.008	No

Note: V/C = volume-to-capacity ratio. Delay shown in seconds. Delay/LOS at project driveway shown for worst operating minor street movement.

As shown in ***Table 7***, the study intersection is projected to continue to operate at an acceptable LOS (LOS B or better) for *project opening year with project* conditions.

Based on the thresholds of significance previously discussed in section 2.4, the addition of project generated trips does not result in any significant impacts at the study intersection.

7.0 Site Access and Sight Distance

This section summarizes proposed site access and on-site circulation recommendations.

7.1 ON-SITE ROADWAY IMPROVEMENTS

The recommended site-adjacent roadway improvements are described below.

Wherever necessary, roadways adjacent to the proposed project site and site access points should be constructed in compliance with recommended roadway classifications and respective cross-sections in the City of Compton General Plan Circulation Element or as directed by the City Engineer.

7.2 SIGHT DISTANCE ANALYSIS

A sight distance analysis for the proposed project driveway has been prepared based on the "stopping sight distance" requirements determined by Topic 201 and Table 201.1 of the *Caltrans Highway Design Manual* (HDM), latest edition. ***Table 8*** shows the minimum stopping sight distances based on the design speed, as displayed in Table 201.1 of the HDM.

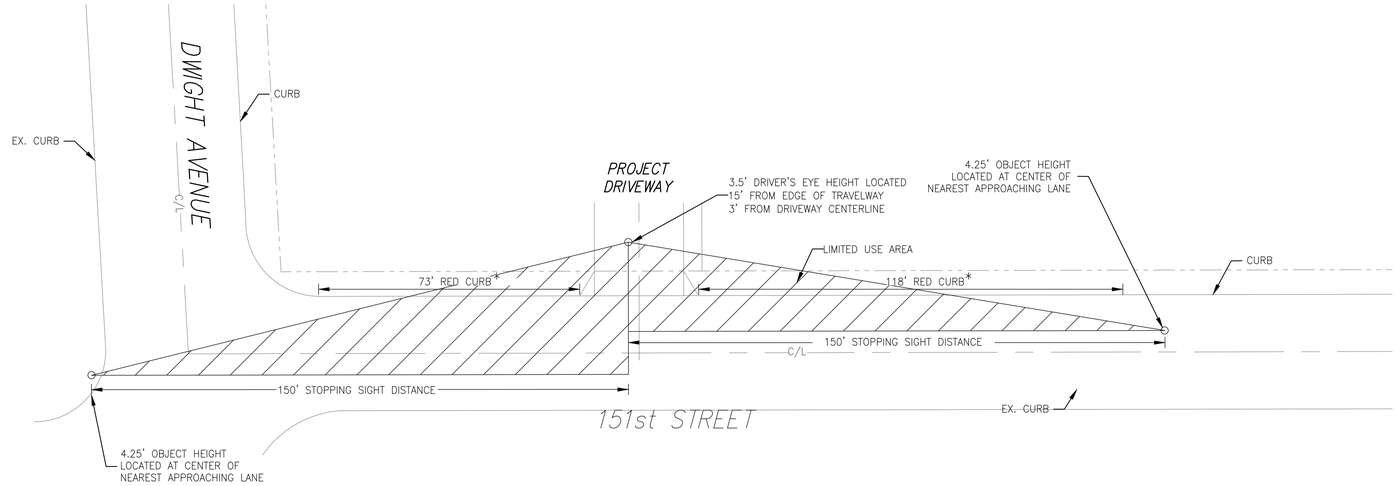
Table 8
Stopping Sight Distance

Design Speed (mph)	Stopping Sight Distance (ft)
25	**150**
30	200
35	250
40	300
45	360
50	430

Source: Table 201.1, Highway Design Manual (July 2, 2018)
Note: mph = miles per hour; ft = feet

In this analysis, the movements being analyzed at the Project Driveway intersections are movements from the exiting vehicles onto 151st Street. Since there is no posted speed limit on 151st Street between Dwight Avenue and Kemp Avenue, the 85th percentile speed is assumed to be 25 miles per hour.

Exhibit 9 displays the sight distance conditions at the project driveway in relation to the existing sidewalk, striping, and parking on 151st Street. The exhibit shows the required 15-foot setback from the edge of travel way and the 15-feet of sight distance required based on the assumed 85th percentile speed of 25 miles per hour.



151st STREET IS A LOCAL ROAD WITH A PRIMA FACIA SPEED LIMIT OF 25 MPH. TABLE 201.1 OF THE HDM, RECOMMENDS 150-FEET OF STOPPING SIGHT DISTANCE.

* NOTE: SECTION 405.1 OF THE HDM RECOMMENDS PARKING RESTRICTIONS ON URBAN DRIVEWAYS BE SET PER CA MUTCD SECTION 3B.19. SECTION 3B.19 RECOMMENDS A CLEARANCE OF **6-FEET** MEASURED FROM CURB RETURN SHOULD BE PROVIDED AT BOTH SIDES OF A DRIVEWAY.

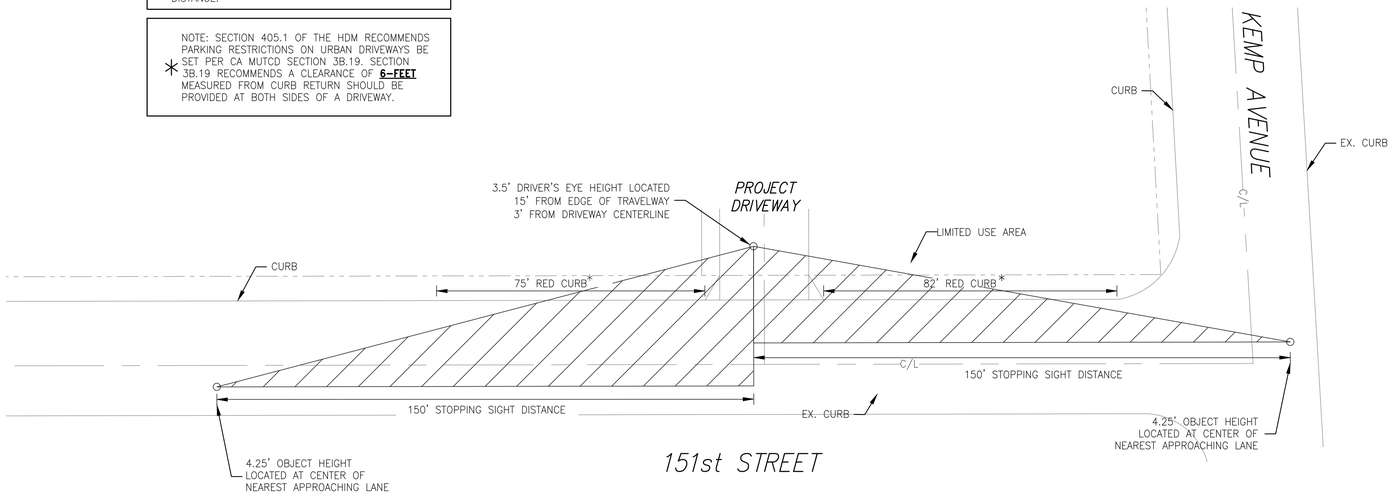


EXHIBIT 9: SIGHT DISTANCE ANALYSIS
CVR-19-001 COMPTON & KEMP TRAFFIC IMPACT ANALYSIS
Date: 09/30/21

SCALE: 1" = 20'
10 0 10 20 30

As shown in ***Exhibit 9***, the stopping sight distance requirements would be impaired by existing parking 151st Street west and east of the driveways. To meet the stopping sight distance standard, approximately 348 feet of red-curb would need to be painted on the north side of 151st Street.

TJW notes that Section 405.1 of the Highway Design Manual recommends that parking restrictions on urban driveways be set per California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 3B.19. Section 3B.19 recommends a clearance of 6-feet measured from the curb return should be provided at both sides of a driveway. It is TJW's recommendation that the CA MUTCD guidance be followed and a clearance of 6-feet be provided at both sides of the driveway.

8.0 Parking

The proposed project consists of 24 single family dwelling units. *Table 30.-21.A Parking Space Requirements* in the City of Compton Zoning Code contains minimum parking requirements for various land uses in the City.

Single family dwelling units are required to provide two enclosed spaces per dwelling unit. The proposed project would be required to provide 48 enclosed parking spaces.

The proposed project is providing two-car garages for every dwelling unit, with driveways that provide an additional two uncovered parking spaces per unit, as well as six on-street guest parking spaces, meeting code requirements whether analyzed as single family dwelling units.

Providing access to the proposed project will result in the loss of up to 6-8 on-street parking spaces on the north side of 151st Street between Dwight Avenue and Kemp Avenue due to the construction of two driveways with 6-feet of red curb on both sides of the driveways.

TJW collected on-street parking counts on the streets surrounding the project site in the afternoon and evening on Wednesday June 19th, 2019 from 4:00 PM to 12:00 AM to assess the existing parking inventory and occupancy. Evening hours were chosen since the overnight period is the peak period of parking demand for the residential uses adjacent to the site. Since the on-street parking supply is not striped, the inventory of each block face was projected based on observations in the field. And measurements of curb space.

The parking areas assessed were the south side of Compton Boulevard between Dwight Avenue and Kemp Avenue, both sides of Dwight Avenue between Compton Boulevard and 151St Street, both sides of 151st Street between Dwight Avenue and Kemp Avenue, and both sides Kemp Avenue between Compton Boulevard and 151st Street.

Table 9 summarizes the results of the parking inventory and occupancy counts. Detailed data, which was collected in 30 minute increments, is available in ***Appendix E***.

As shown in Table 9, there are approximately 94 on-street parking spaces on the streets surrounding the project site. The peak period of observed parking demand was at 11:00 PM – 12:00 AM, when 61 vehicles were parked in the survey area, for an overall occupancy of 65%. While certain streets, such as 151st Street and Kemp Avenue were over 80% occupied, Dwight Avenue and Compton Boulevard were under 50% full.

Based on the parking data collection, there is adequate on-street parking availability nearby to accommodate any displacement from the loss of 6-8 on-street parking spaces on 151st Street.

Table 9
Parking Survey Results

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	5	7	6	6	4	5	4
	Subtotal	**19**	**8**	**9**	**5**	**7**	**6**	**6**	**4**	**5**	**4**
	Total Occupancy	19	8	9	5	7	6	6	4	5	4
	Total Percent		**42%**	**47%**	**26%**	**37%**	**32%**	**32%**	**21%**	**26%**	**21%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	0	0	3	4	4	4	5	5
	West Side of Street	**9**	Construction	5	4	8	9	9	9	9	9
	Subtotal	**16**	**0**	**5**	**4**	**11**	**13**	**13**	**13**	**14**	**14**
	Total Occupancy	16	0	5	4	11	13	13	13	14	14
	Total Percent		**0%**	**31%**	**25%**	**69%**	**81%**	**81%**	**81%**	**88%**	**88%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	18	18	20	17	19	20	21	21
	South Side of Street	**21**	13	14	13	14	17	16	18	17	18
	Subtotal	**46**	**28**	**32**	**31**	**34**	**34**	**35**	**38**	**38**	**39**
	Total Occupancy	46	28	32	31	34	34	35	38	38	39
	Total Percent		**61%**	**70%**	**67%**	**74%**	**74%**	**76%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	4	2	2	3	3	3	4	4
	West Side of Street	**5**	1	1	1	1	1	1	0	1	1
	Subtotal	**13**	**3**	**4**	**2**	**2**	**3**	**3**	**3**	**4**	**4**
	Total Occupancy	13	3	4	2	2	3	3	3	4	4
	Total Percent		**23%**	**31%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**31%**

	Grand Total Occupancy	94	39	50	42	54	56	57	58	61	61
	Grand Total Percent		**41%**	**53%**	**45%**	**57%**	**60%**	**61%**	**62%**	**65%**	**65%**

9.0 Signal Warrant Analysis

A signal warrant analysis was conducted at the intersection of Compton Boulevard and Kemp Avenue. Compton Boulevard is classified as a four-lane secondary highway and has a posted speed limit of 35 miles per hour. Kemp Avenue is classified as a two-lane local street and has no posted speed limit. The intersection currently operates as a two-way stop intersection with the off-set Kemp Avenue approaches being stop controlled. Traffic counts were conducted at the intersection on Wednesday August 21, 2019.

Traffic signal warrants for project opening year with project conditions were prepared. Because the speed limit on Compton Boulevard is 35 miles per hour, Figure 4C-3 of the *California Manual on Traffic Control Devices* was used to evaluate the conditions at the intersection. ***Table 10*** summarizes the results of the signal warrant analysis. Detailed warrant analysis sheets are included in Appendix F.

Table 10
Signal Warrant Analysis

Intersection	Signal Warrants Met?	
	AM Peak Hour	PM Peak Hour
Compton Boulevard/Kemp Avenue	No	No

As shown in ***Table 10***, peak hour signal warrants are not met for project opening year with project conditions. Signalization of the Compton Boulevard/Kemp Avenue intersection is not recommended.

Appendices

APPENDIX A

SCOPING AGREEMENT/SCOPING EMAILS

TJW ENGINEERING, INC.
TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING
CONSULTANTS

May 7, 2019

Mr. Hien Nguyen, PE
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton CA 90220

Report: Scoping Agreement for the Compton & Kemp Residential Project Traffic Impact Analysis

Dear Mr. Nguyen:

TJW ENGINEERING, INC. (TJW) is pleased to submit this scoping agreement for the proposed Compton & Kemp residential project in the City of Compton. The project site is bound by Compton Boulevard to the north, Kemp Avenue to the east, W 151st Street to the south and Dwight Avenue to the west. The proposed project consists of 24 single-family dwelling units.

The Project's site plan is attached to this scoping letter. The project is anticipated to be built and generating trips in 2021. Site access is planned at two driveways on W 151st Street.

The traffic impact analysis will follow applicable City of Compton and Los Angeles County guidelines for traffic impact analysis.

Trip Generation

Trip generation for the proposed project will be developed using rates from the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) for Land Use 210 – Single-Family Detached Housing. As shown in Table 1, the project is anticipated to generate 227 daily trips, 18 AM peak hour trips, and 24 PM peak hour trips.

Table 1: Proposed Project Trip Generation

Proposed Land Use[1]	Qty/ Unit	Daily Trips (ADTs)		AM Peak Hour					PM Peak Hour				
		Rate	Volume	Rate	In:Out Split	Volume			Rate	In:Out Split	Volume		
						In	Out	Total			In	Out	Total
Single-Family Detached Housing (210)	24 DU	9.44	**227**	0.74	25:75	4	14	18	0.99	63:37	15	9	24

[1]: Rates from ITE Trip Generation (10th Edition, 2017)

Trip Distribution and Assignment

The project site is situated within a large rectangle formed by the 105, 110, 710 and 91 freeways. Project trips are generally projected to arrive/depart via Compton Boulevard and head to/from other major arterials to access freeways for work related trips, and to utilize local streets for other trips. The proposed project's trip distribution assumes that 50% of project trips will arrive/depart from/to the west on Compton Boulevard and 50% of project trips will arrive/depart from/to the east on Compton Boulevard.

Study Area

turning movement counts to be conducted on 5/29, 5/30, 6/4, 6/5, or 6/6/19 between 4p and 6p

Based on ~~the trip generation~~, the following two (2) intersections will be analyzed in the level of service analysis:

1. Compton Boulevard/Dwight Avenue; and
2. ~~Compton Boulevard/Kemp Avenue.~~

PM

County

Study Analysis Scenarios

Consistent with Los Angeles traffic study guidelines, the analysis of peak hour operations at study area intersection will occur for the following scenarios:

(1) Existing Traffic Conditions;
~~(2) Existing Plus Project Conditions;~~
(3) Project Opening Year Without Project Conditions; and
(4) Project Opening Year With Project Conditions.

With opening year being 2021, assume existing traffic volumes will increase by 4% in 2 years.

The Intersection Capacity Utilization (ICU) methodology will be used in the analysis per the Los Angeles County traffic impact analysis guidelines.

Level of Service Criteria

The City of Compton target for peak hour intersection operations is LOS D or better.

For the purposes of analyzing California Environmental Quality Act (CEQA) impacts, the City of Compton identifies significant impacts based on a comparison of the without and with project ICU at study intersections according to the following criteria:

- If an intersection is projected to operate at LOS C with the proposed project, and the proposed project increases the ICU by 0.040 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS D with the proposed project, and the proposed project increases the ICU by 0.020 or more, a significant impact is deemed to occur.
- If an intersection is projected to operate at LOS E/F with the proposed project, and the proposed project increases the ICU by 0.010 or more, a significant impact is deemed to occur.

~~***Cumulative Projects***~~

TJW will obtain a list of cumulative projects from the City. TJW will utilize this list to determine which cumulative projects should be included in the cumulative conditions analysis. If the City has any information on the cumulative projects such as trip generation and trip distribution patterns for each project, or prior completed traffic studies, TJW requests that this information be forwarded to us electronically.

Please feel free to call us at (949) 878-3509 if you have any questions regarding this scoping letter.

Signal Warrant Analysis
TJW will conduct turning movement counts at West Compton Blvd. and Kemp Ave. from 4p to 6p on 5/29, 5/30, 6/4, 6/5 or 6/6/19. Based on these counts, TJW will evaluate Signal Warrants 2 (Four Hour) and 3 (Peak Hour) for the intersection under Opening Year (2021) with Project Conditions.

Sincerely,

TJW ENGINEERING, INC.

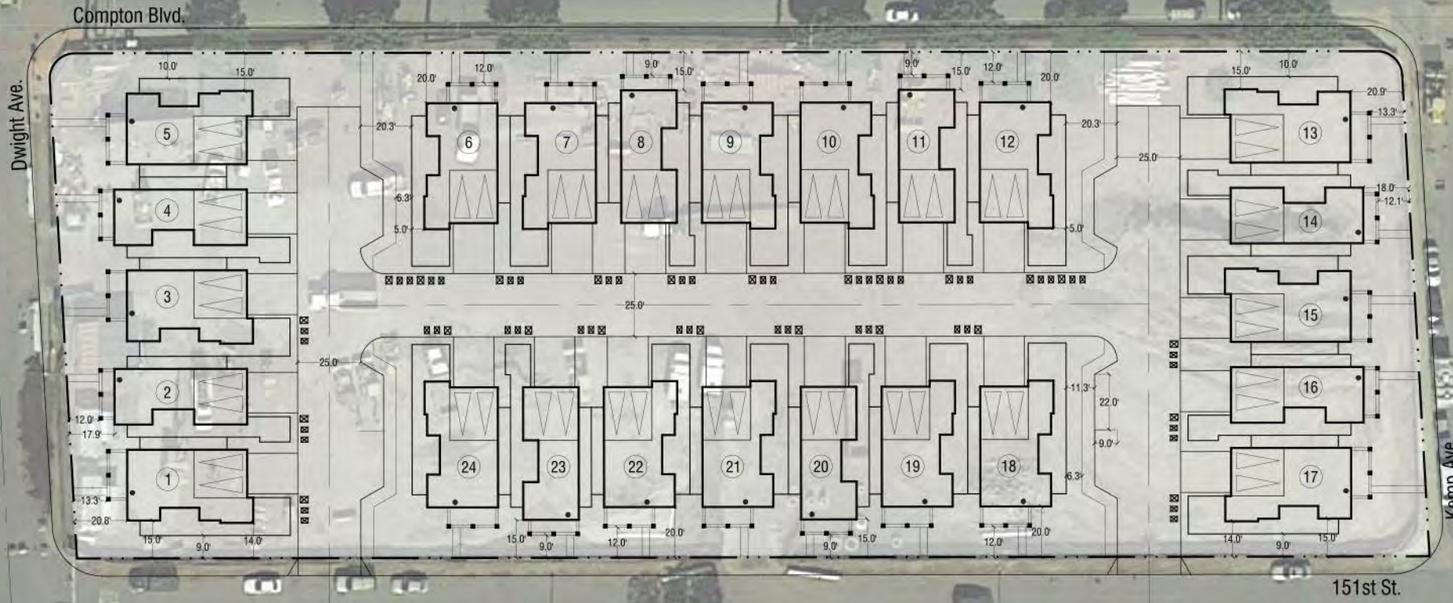
Recommended by:

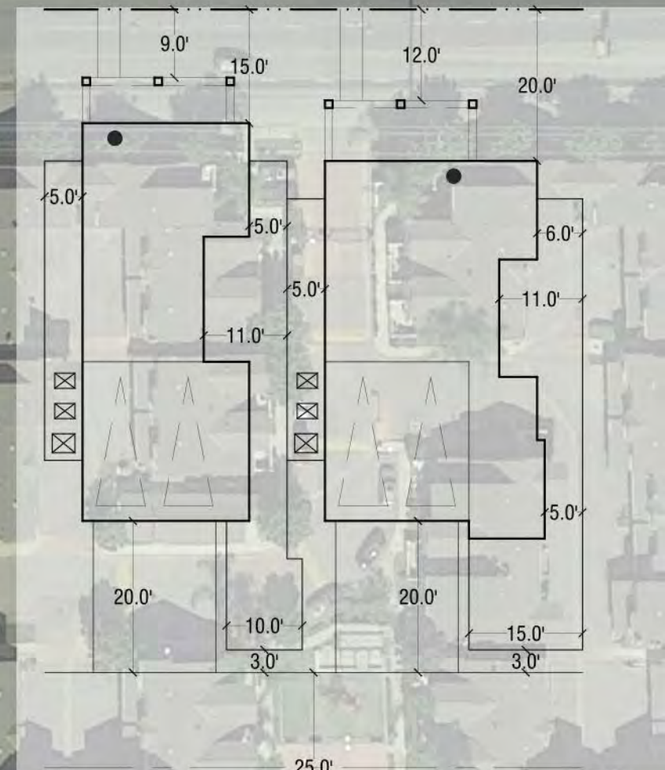
Thomas Wheat, PE, TE
TJW Engineering, Inc.
Registered Civil Engineer *#69467*
Registered Traffic Engineer *#2565*

Approved by:

Hien Nguyen, City of Compton

Comments by:
GL, 5/21/19





Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan: Medium Density Residential
Proposed General Plan: Medium Density Residential

Existing Zoning: CL - Limited Commercial & P - Parking
Proposed Zoning: R-M-D - Medium Density Residential - Planned Development

Max. Density: 17.14 Homes per Acre (2,500 sf/home)

Proposed Setbacks:
- Compton Blvd: 15' to building; 9' to covered porch
- Dwight Ave: 15' to building; 12' to covered porch
- Kemp Ave: 15' to building; 12' to covered porch
- 151st St: 14' to single story element (building 1 & 17); 15' to front of building; 9' to covered porch

Building Separation: 10'

Max. Building Height: 35'

Notes:
1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information.
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

City Ventures

CONCEPTUAL SITE PLAN
COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

0 15 30 60

CONCEPT STUDY

© 2018 WILLIAM HEZMALHALCH ARCHITECTS, INC. dba WHA. | 2013039 | 03-08-18

ARCHITECTS . PLANNERS . DESIGNERS
WHA.
ORANGE COUNTY . LOS ANGELES . BAY AREA

From: Hien Nguyen <hnguyen@comptoncity.org>
Sent: Wednesday, May 22, 2019 4:50 PM
To: Thomas Wheat; David Chew; Jeff Weckstein
Cc: Delores Jones; Troy Gunter; Kim Prijatel
Subject: 930 W. COMPTON BLVD PROJECT---1ST COMMENTS ON SCOPE OF TRAFFIC STUDY

Hello Gentlemen,

Per your request, please find Public Works Dept.'s Comments on "TIA Scope" as follows:

1. The TIA shall follow the LACDPW's guidelines

2. For safety of the public: The TIA shall include, but not limited to, the following:

   - A "Line Sight Study" [LSS] for traffic exiting the site onto 151st Street.
   - Traffic Management Plan for the site development including, but not limited to, fire lanes, no parking signs, stop signs for traffic exiting the site onto 151st Street, etc.

3. For info on list of related projects [within 1.5-mile radius of the site]: Please contact Mr. Troy Gunther of Planning Dept.

4. Impact of on-street parking surrounding the site and mitigation measures

5. PW Dept. will accept the ICU methodology, and the following softwares:

   - HCS version 2000 or later version,
   - Synchro V7 or later version
   - Traffix (Dowling) v.7.6 or later version
   - VISTRO
   - or other equivalent softwares

Please find the attached file prepared by Public Works Plan Check Consultant Willdan Engineering as a part of the composite PW Dept.'s comments on your proposed TIA Scope.

Thanks

Hien Nguyen, P.E.
Assistant City Engineer
City of Compton
205 S Willowbrook Ave
Compton, CA 90220
Phone (310) 761-1476,
Fax (310) 605-6326
City Hall is closed Fridays

APPENDIX B

COMPTON GENERAL PLAN ROADWAY CLASSIFICATIONS AND CROSS SECTIONS

CIRCULATION PLAN

The "Circulation Issues" discussion in this element identifies the long-term transportation and circulation concerns in Compton. This section describes the programs and strategies the City will pursue to address these issues and to move towards a balanced transportation system that meets the future mobility needs of Compton residents, as well as the business sector's demand to move goods most efficiently and effectively.

MASTER PLAN OF STREETS AND HIGHWAYS

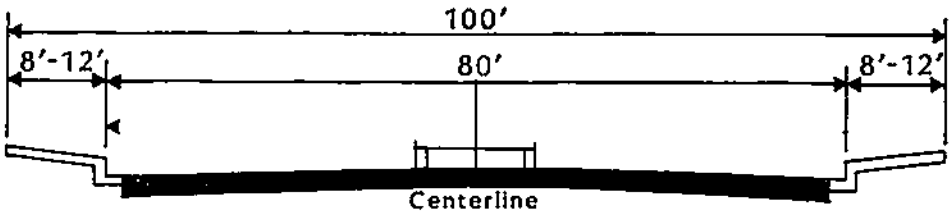
Streets and highways in Compton are described and classified according to their primary function. This hierarchical system of roadways consists of the following four basic classifications:

- Major Highway;
- Secondary Highway;
- Collector; and
- Local Street.

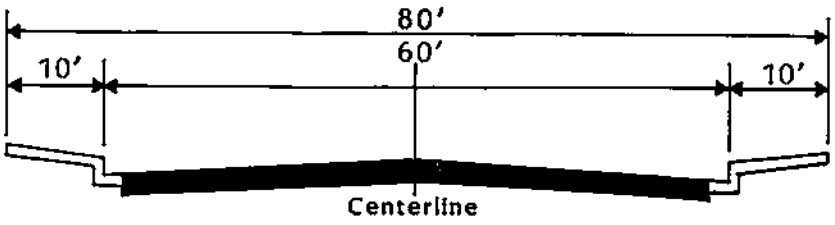
Figure C-1 illustrates the roadway cross-section standards (geometrics) for these five classifications. Roadway functions and standards may be described as follows.

Major Highway

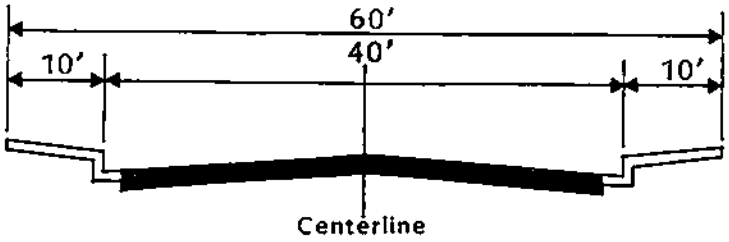
A Major Highway is the highest capacity street within the City's street system. Major Highways are designed to carry high volumes of traffic, primarily for through trips. They serve as the principal connectors from lower classification streets to the freeway system and other regional routes. The standard calls for 100 feet of right-of-way and four to six travel lanes within a minimum 80-foot wide, curb-to-curb paved street section. The right-of-way and paved road width can be increased at and near intersections to allow for median strips and extra turn lanes.



Major Highway (a)

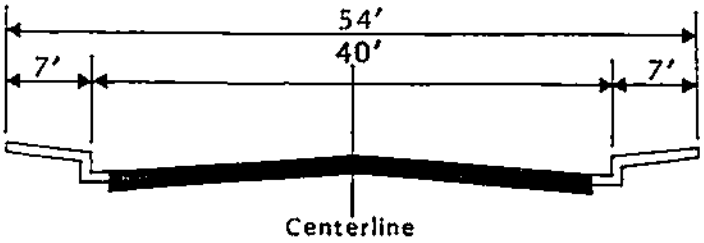


Secondary Highway



4' minimum sidewalk on both sides

Standard Collector



4' minimum sidewalk on both sides

Residential Collector

12/3/91

(a) Major Highway right-of-way may be increased to accomodate center median or extra turn lanes at intersections.

(b) All roadbed widths shown are minimums.

Figure C - 1
Standard Street Cross Sections

Major Highways in the Compton planning area include El Segundo Boulevard (west of Santa Fe Avenue), Rosecrans Avenue, Alondra Boulevard, Artesia Boulevard (east of Alameda), Victoria/Apra Street, Avalon Boulevard, Central Avenue, Wilmington Avenue, Santa Fe Avenue, Long Beach Boulevard, and Atlantic Avenue.

Secondary Highway

Secondary Highways connect Major Highways to collector and local streets and are intended to carry relatively high traffic volumes for both through and local trips. A Secondary Highway consists of 80 feet of right-of-way and four travel lanes within a 60-foot, curb-to-curb paved section.

The Secondary Highways in Compton are 135th Street, Compton Boulevard, Greenleaf Boulevard, Walnut Street, Willowbrook Avenue, Tamarind Avenue, Mona Boulevard, Temple Avenue, Bullis Road, Compton Avenue, and Artesia Boulevard (west of Alameda).

Collectors

Two Collector classifications are included within the street system - the Standard Collector and the Residential Collector. Standard Collectors serve the City's major industrial and commercial areas and high density residential developments and are designed to carry moderate to relatively high volumes of traffic to the Secondary and Major Highways, while avoiding lower density residential neighborhoods. The Residential Collector accommodates moderate traffic volumes and is intended to carry residential traffic from the neighborhoods to schools, parks, and shopping areas.

Standard Collectors contain slightly more right-of-way than Residential Collectors, consisting of 40 feet of paving within a 60-foot right-of-way width. The Residential Collector has a 40-foot paved section and a minimum 54-foot right-of-way. Collector streets will be designated as part of a special study.

Local Streets

Local Streets are designed to carry low volumes of local (non-through) traffic. Locals connect to Collectors and Highways for through trips. Standards for Local Streets are variable, given the variety of residential subdivisions which have been developed since Compton incorporated as a City.

Study Street

Alameda Street is designated as a Study Street since street width and configuration will be determined as part of the Alameda Corridor design study.

Critical Intersections

Figure C-2 identifies several intersections as "critical intersections." These are locations where, over time, right-of-way beyond the standard rights-of-way illustrated in Figure C-1 may be needed to accommodate additional turn lanes. Traffic volumes may be more easily managed if a dedicated right-turn lane, dual left-turn lanes, or other non-standard configurations are provided.

Master Plan

Figure C-2 presents the Master Plan of Streets and Highways for Compton. This plan shows the ultimate circulation system needed to move people and goods within and through the City while maintaining roadway service levels of Level of Service D or better. The system incorporates regional infrastructure and public transit improvements and plans, and accommodates the City's specific transportation needs. Physical road improvements will be necessary to achieve this system, including road widenings, roadway reconfiguration, construction of the Alameda Corridor, and grade separations at railroad crossings.

Road Widenings: Several Major and Secondary Highways will require widening and restriping to provide consistent widths and to accommodate future traffic volumes. In particular, the following improvements will be made.

- Central Avenue between Rosecrans Avenue and Compton Boulevard will be widened and restriped to provide a six-lane divided highway.

- Wilmington Avenue between the Artesia Freeway and Victoria Street will be widened and restriped to provide a six-lane divided highway.

- Greenleaf Boulevard between Wilmington Avenue and Santa Fe Avenue will be widened to provide a four-lane divided roadway.

- Long Beach Boulevard, from the north City limit to Rosecrans Avenue, will be widened and restriped to provide a six-lane divided roadway.

To accomplish street widenings, the City will undertake a comprehensive approach. This requires that the City schedule the improvement in a Capital Improvement Plan (CIP) and acquire right-of-way through eminent domain or permanent on-street parking restrictions.

These identified widenings will be performed over the 20-year General Plan planning period (before the year 2010). The City will monitor roadway volumes over time to determine the timing and approach for the improvements.

Roadway Reconfiguration: Along many road sections, right-of-way width exists consistent with the Master Plan. However, efficient traffic movement is hindered by uncontrolled access from feeder streets and from development fronting on Highways and Collectors. To allow for better flow, the City may provide raised medians (divided roadways) along the following street segments:

- Wilmington Avenue between Compton Boulevard and the Artesia Freeway;

- Long Beach Boulevard between the north City limits and the Artesia Freeway (virtually its entire length through Compton); and

- Rosecrans Avenue between Santa Fe Avenue and Long Beach Boulevard.

If studies indicate these improvements can significantly improve traffic flow, improvements will be completed before the year 2005.

Alameda Corridor: As described previously in this element, the Alameda Corridor represents a major improvement to the regional transportation system (Figure C-2). The corridor, planned to connect the ports of Los Angeles and Long Beach to multi-modal goods distribution facilities near downtown Los Angeles, is described as "a critical link for the movement of local and international cargo."[1] This road and rail freight route is intended to reduce through truck traffic on parallel streets and freeways, especially heavily-traveled Interstate 710, and to consolidate freight rail traffic to a single corridor, thus reducing rail/surface street conflicts.

As a member of the Alameda Corridor Transportation Authority, Compton will participate in the selection of the corridor design. Primary options include: 1) a four-lane road with parallel, multi-track rail lines; 2) a six-lane, one-way road couplet with at-grade rail tracks between the one-way routes; and 3) the six-lane road couplet separated by a depressed rail way. Grade separations are contemplated at principal east-west streets. Compton will encourage grade separations at several locations in the City, as described below.

Grade Separations: Construction of new rail and surface street grade separations involves tremendous costs. However, traffic congestion can be greatly mitigated by removing hindrances to free east-west traffic flow. Thus, the City strongly supports efforts to consolidate freight rail traffic along a single corridor and to provide grade separations in the design of the Alameda Corridor. Priority streets in Compton for grade separation include Compton Boulevard, Alondra Boulevard, and Greenleaf Boulevard.

Compton will work to include these streets in the design of the Alameda Corridor. In the event the Alameda Corridor is not built or construction is significantly delayed, Compton will seek other funding sources and establish accelerated time schedules for construction of grade separations.

---

[1]Project Memorandum, "The Alameda Corridor Project," Alameda Corridor Transportation Authority.

The City will continue construction efforts to complete the Mealy Street rail line relocation, which involves completion of the Rosecrans Avenue overpass at Alameda Street and depression of West Alameda Street below the relocated Wilmington Branch rail line, among other improvements.

Traffic Signal Synchronization: The City will complete its program to computerize traffic signals Citywide so that traffic flow can be synchronized and better managed. Complete synchronization will be accomplished by 1995.

ROADWAY MAINTENANCE AND REHABILITATION

Potholed streets, crumbling curbs, and cracked sidewalks citywide contribute to traffic safety problems and a general unkempt appearance. By implementing stronger roadway rehabilitation and maintenance programs, the City will achieve two important goals -- reducing congestion and enhancing the visual character of Compton.

Additional funds for infrastructure improvements will be available from State gas tax revenues increased via legislation passed in 1990. The legislation ties a jurisdiction's eligibility for funds to that jurisdiction's compliance with adopted Congestion Management Plans. Compton will comply with the provisions of the Los Angeles County CMP, as discussed in this element, to ensure the City receives its share of the revenues. A Capital Improvement Plan (CIP) will be submitted to the LACTC as required.

The City will place priority on rehabilitating residential streets within target neighborhoods, as discussed in the Housing Element, toward the end of improving overall neighborhood quality. General Fund, Community Development Block Grant (CDBG), and tax increment resources will be used for this program. Tax increment and CMP funds will be the primary resources used to finance roadway improvements within the commercial and industrial districts.

As growth throughout Southern California adds vehicles to the region's overburdened freeway and arterial highway systems, people will rely more heavily upon public transportation, especially for commute trips. Compton's ready access to RTD and other bus lines and to the Blue Line passenger rail will continue to offer Compton residents and persons working in the City alternatives to the private automobile.

Bus Service

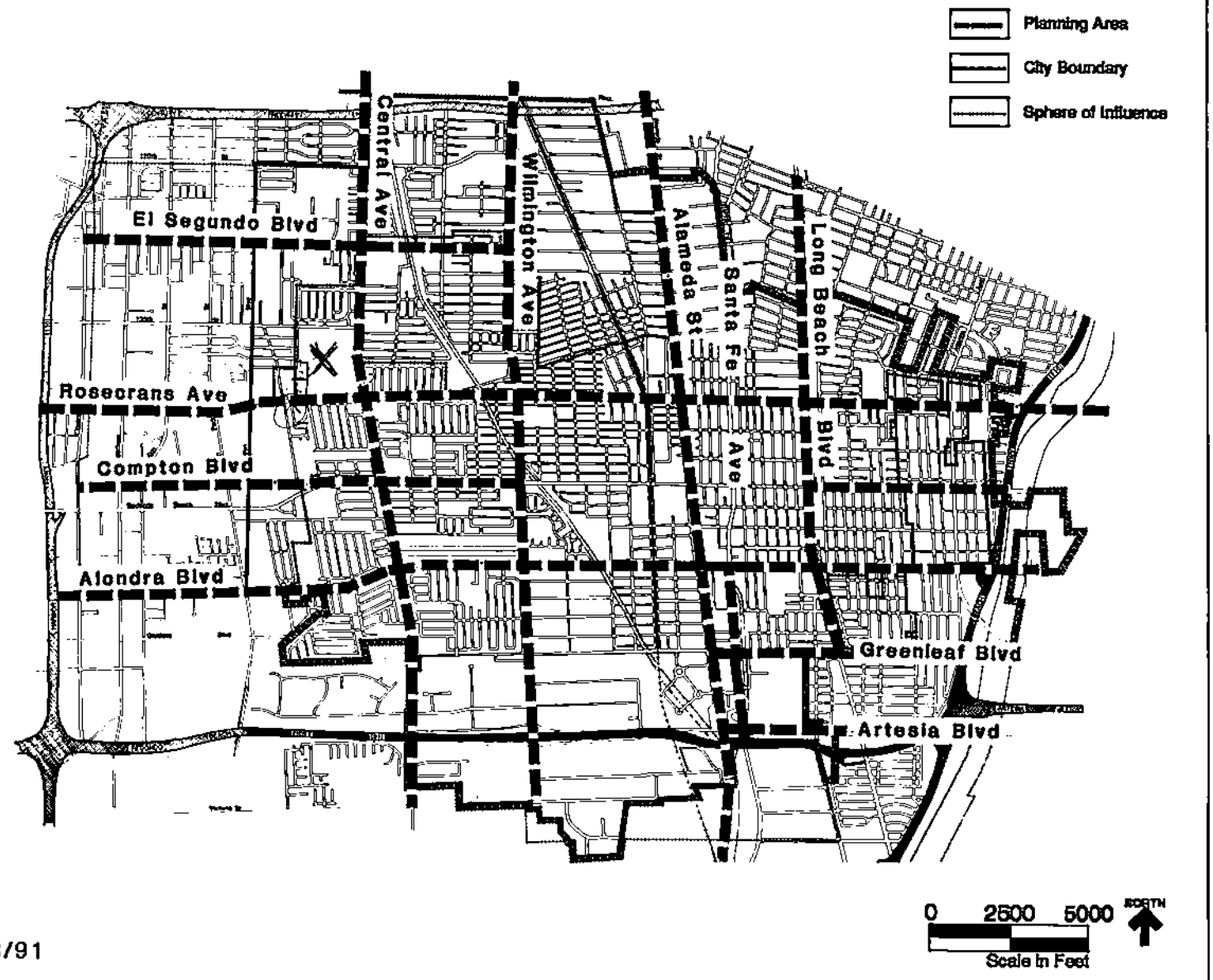
To encourage use of public transit, the City will pursue several programs. Foremost, City officials will work with the RTD to monitor bus transit demands and service levels, and to adjust schedules and routes to best serve residents and commuters into the City. Figure C-3 illustrates preferred bus routes. Bus stops will be clearly identified with signs and benches or bus shelters. The City will cooperate with the RTD in funding these necessities.

In reviewing new development proposals, the City will consider the need for bus turnouts for projects abutting Major and Secondary Highways and Collector streets. If such improvements are necessary, the City will rely largely upon developer financing of the improvements.

Passenger Rail

To maximize use of passenger rail, Compton's multi-modal transit center at the Blue Line station will be expanded to accommodate shuttle bus and vanpool service to and from major employment centers. The center may have designated parking and loading areas for shuttle vehicles. Figure C-3 shows potential destination for shuttle services.

The City will support RTD's and other bus service providers' use of the transit center by providing adequate park-and-ride lots. The City, together with RTD, will monitor uses of the lots and will expand lots as necessary to support increased



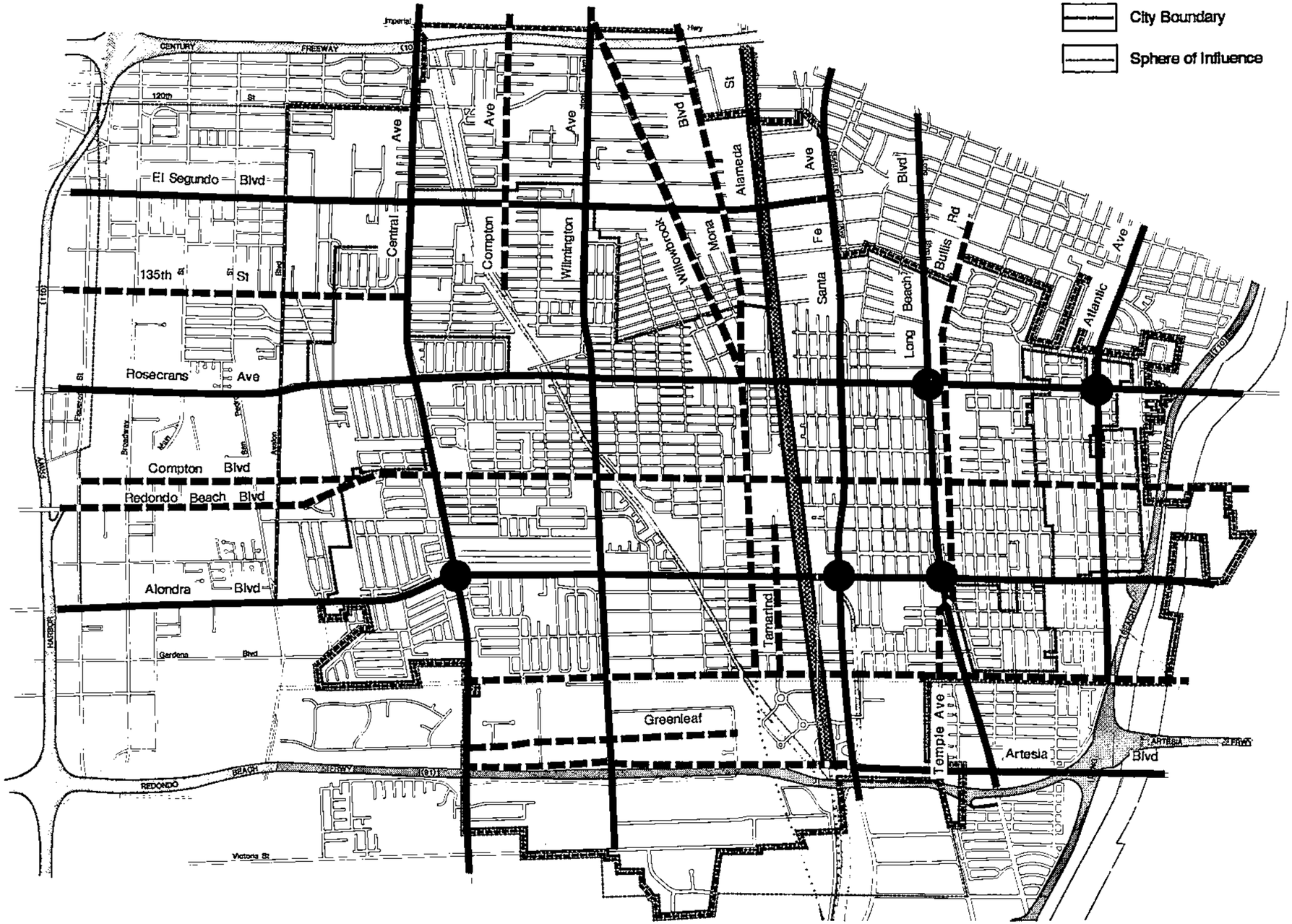
12/3/91

DESIGNATED TRUCK ROUTE

SOURCE: City of Compton

Figure C - 4
Truck Routes

Compton General Plan



12/3/91

MAJOR HIGHWAY

SECONDARY HIGHWAY

COLLECTOR*

SPECIAL STUDY CORRIDOR

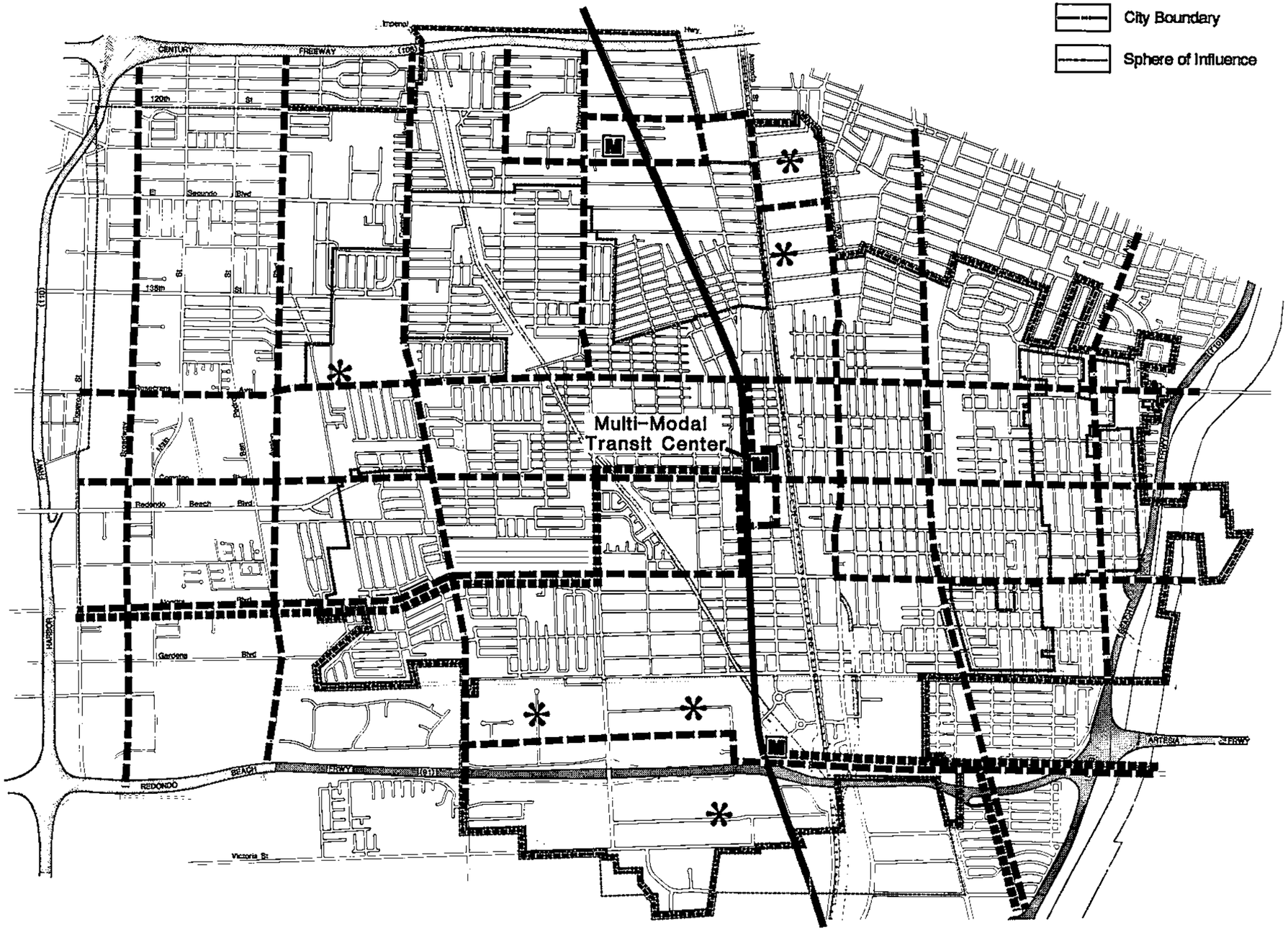
CRITICAL INTERSECTION

* The designation of Collector streets will be the subject of a separate, special study.

SOURCE: City of Compton

Figure C-2
Master Plan of Streets and Highways

Compton General Plan



12/3/91

METRORAIL BLUE LINE PASSENGER RAIL

METRORAIL STATION

REGIONAL BUS LINE (SCRTD)

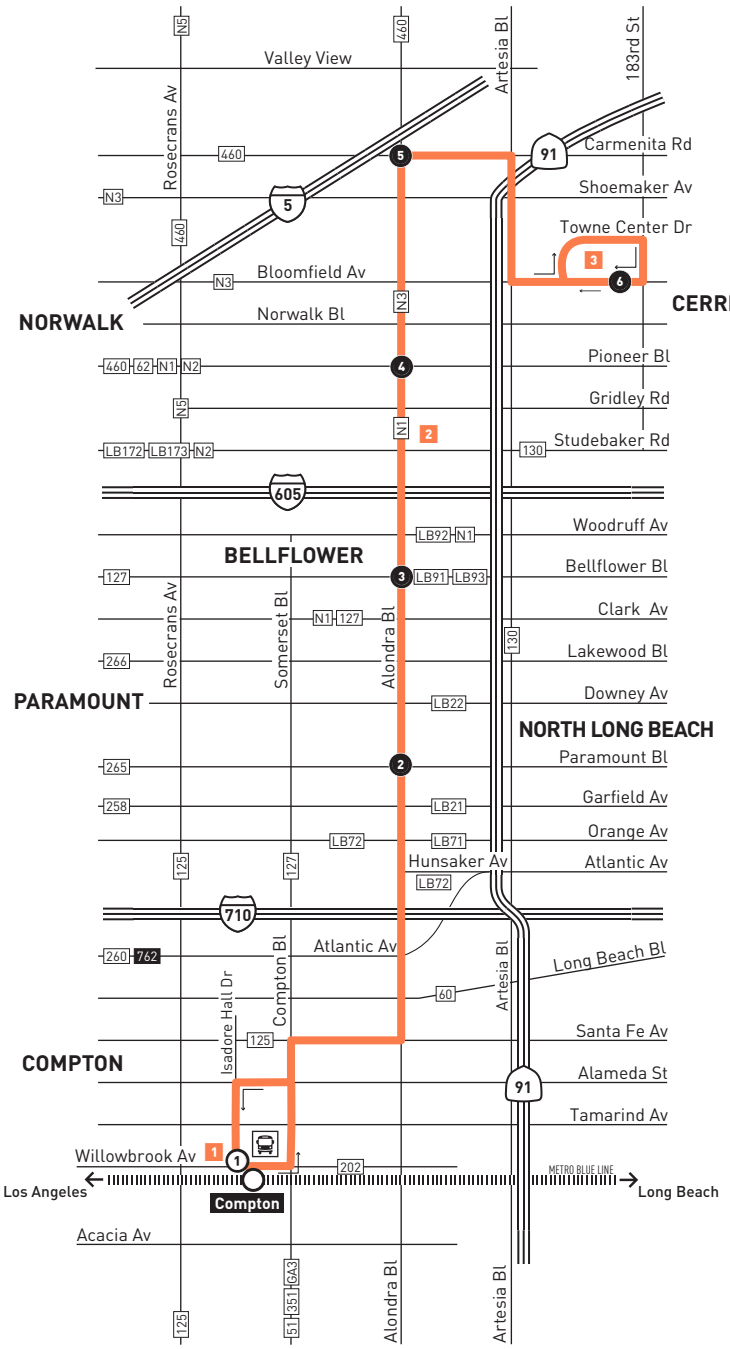
SUBREGIONAL BUS LINE

SHUTTLE SERVICE DESTINATION

SOURCE: SCRTD, City of Gardena
City of Long Beach

Figure C - 3
Public Transit Plan

ROUTE MAP



◀N

LEGEND

━━	Line 128 Route
#	Local Stop Timepoint
▮▮▮▮▮▮	Metro Rail
○	Metro Rail Station
#	Metro Rail Station & Timepoint
	Transit Center
GA	GTrans (Gardena)
LB	Long Beach Transit
N	Norwalk Transit

MAP NOTES

1. **Compton Metro Blue Line Station/ Martin Luther King Jr. Transit Center**
   Metro Blue Line,
   Metro 51, 60 (owl), 125, 127, 128, 351; Compton Renaissance Transit: 1, 2, 3, 4, 5; GA3
2. **Cerritos College**
3. **Cerritos Towne Center**
   128

Saturday,Sunday and Holiday Schedules

No service on Saturday, Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

No hay servicio en sábados, domingo, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Nextrip

Text "metro" and your intersection or stop number to 41411 (example: metro vignes&cesarechavez or metro 1563).
You can also visit m.metro.net or call 511 and say "Nextrip"

Nextrip

Envíe un mensaje de texto con "Metro" y la intersección de la calle o el número de su parada al 41411. Nextrip le enviará un mensaje de texto con la próxima llegada de cada autobús en esa parada. También puede visitar m.metro.net o llamar al 511 y decir "Nextrip"

Monday through Friday

Effective Jun 25 2017

128

Eastbound *Al Este* (Approximate Times/Tiempos Aproximados)

COMPTON	PARAMOUNT	BELLFLOWER	NORWALK	CERRITOS	
1	2	3	4	5	6
Martin Luther King Jr. TC / Compton Station	Alondra & Paramount	Alondra & Bellflower	Alondra & Pioneer	Alondra & Carmenita	Cerritos Towne Center
6:00A	6:23A	6:32A	6:43A	6:50A	7:05A
6:28	6:51	7:00	7:13	7:20	7:35
6:57	7:20	7:30	7:43	7:50	8:05
7:26	7:50	8:00	8:13	8:20	8:35
8:03	8:27	8:37	8:50	8:57	9:11
8:51	9:15	9:25	9:38	9:45	9:59
9:46	10:10	10:20	10:33	10:40	10:54
10:41	11:05	11:15	11:28	11:35	11:49
11:35	11:59	12:10P	12:23P	12:30P	12:44P
12:29P	12:53P	1:04	1:17	1:24	1:38
1:23	1:47	1:58	2:11	2:18	2:32
2:15	2:41	2:52	3:05	3:12	3:26
3:07	3:33	3:45	3:59	4:06	4:20
3:58	4:24	4:36	4:51	4:58	5:12
4:51	5:16	5:28	5:43	5:50	6:04
5:46	6:11	6:21	6:35	6:42	6:56
6:44	7:07	7:16	7:28	7:34	7:47
7:40	8:02	8:10	8:20	8:26	8:39

Monday through Friday

128

Westbound *Al Oeste* (Approximate Times/Tiempos Aproximados)

CERRITOS		NORWALK	BELLFLOWER	PARAMOUNT	COMPTON
6	5	4	3	2	1
Cerritos Towne Center	Alondra & Carmenita	Alondra & Pioneer	Alondra & Bellflower	Alondra & Paramount	Martin Luther King Jr. TC / Compton Station
6:00A	6:10A	6:18A	6:29A	6:37A	6:56A
6:35	6:45	6:53	7:04	7:13	7:35
7:13	7:25	7:33	7:44	7:53	8:14
7:52	8:03	8:12	8:24	8:33	8:54
8:35	8:45	8:54	9:06	9:15	9:36
9:25	9:35	9:44	9:56	10:06	10:27
10:13	10:24	10:33	10:46	10:56	11:17
11:05	11:16	11:25	11:38	11:48	12:09P
11:59	12:10P	12:19P	12:32P	12:42P	1:03
12:53P	1:04	1:13	1:26	1:36	1:57
1:46	1:57	2:06	2:20	2:31	2:54
2:41	2:52	3:01	3:15	3:26	3:49
3:35	3:47	3:56	4:10	4:21	4:43
4:28	4:41	4:51	5:05	5:16	5:38
5:20	5:33	5:43	5:57	6:07	6:27
6:15	6:27	6:35	6:47	6:56	7:14
7:10	7:20	7:27	7:37	7:45	8:03
8:00	8:10	8:17	8:27	8:34	8:52

APPENDIX C

EXISTING TRAFFIC COUNTS

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

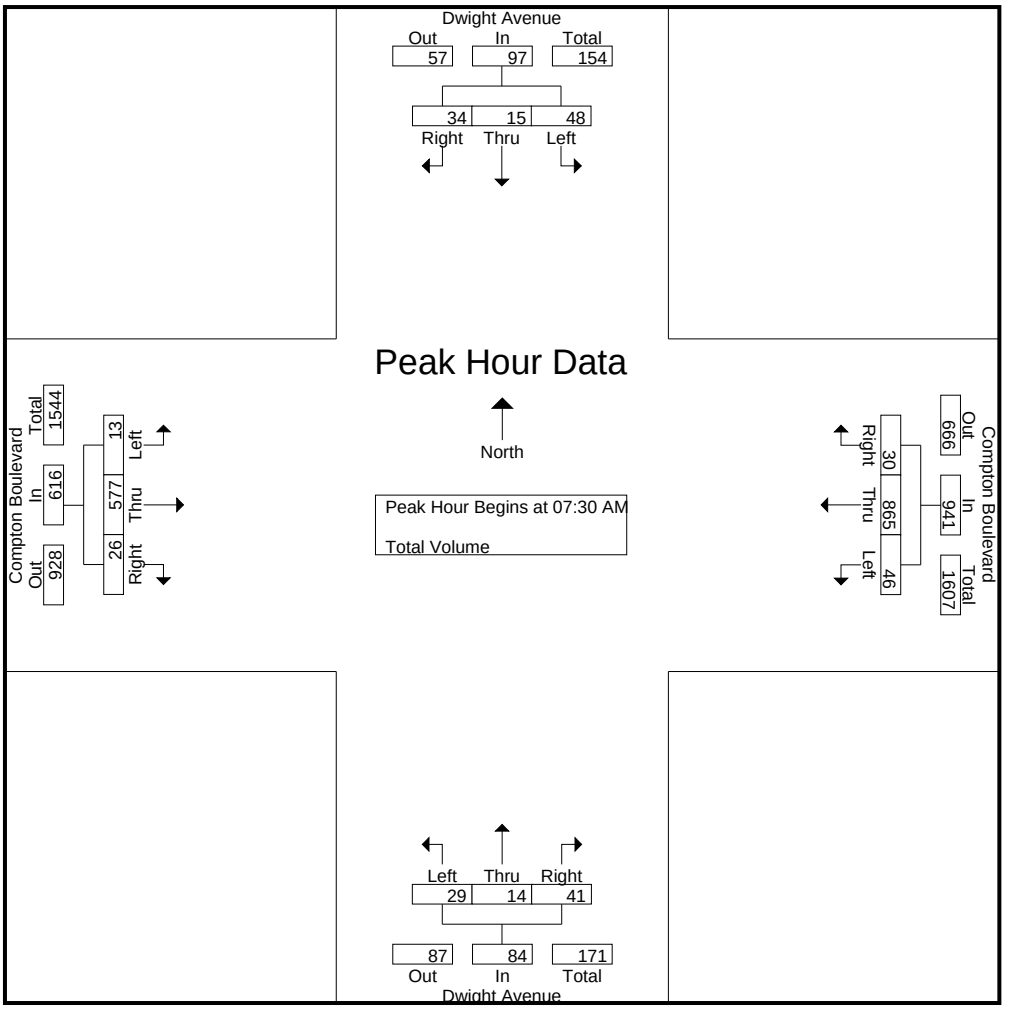
Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	5	0	10	15	3	167	5	175	2	0	7	9	4	82	4	90	289
07:15 AM	7	3	5	15	4	213	6	223	6	0	9	15	4	100	1	105	358
07:30 AM	16	8	14	38	12	223	1	236	5	6	11	22	0	111	7	118	414
07:45 AM	10	3	11	24	18	217	7	242	6	3	12	21	5	161	6	172	459
Total	38	14	40	92	37	820	19	876	19	9	39	67	13	454	18	485	1520
08:00 AM	12	3	4	19	10	211	10	231	11	2	7	20	6	153	7	166	436
08:15 AM	10	1	5	16	6	214	12	232	7	3	11	21	2	152	6	160	429
08:30 AM	6	0	10	16	5	137	5	147	7	1	2	10	5	105	4	114	287
08:45 AM	7	5	2	14	4	184	2	190	5	0	4	9	3	77	1	81	294
Total	35	9	21	65	25	746	29	800	30	6	24	60	16	487	18	521	1446
Grand Total	73	23	61	157	62	1566	48	1676	49	15	63	127	29	941	36	1006	2966
Apprch %	46.5	14.6	38.9		3.7	93.4	2.9		38.6	11.8	49.6		2.9	93.5	3.6		
Total %	2.5	0.8	2.1	5.3	2.1	52.8	1.6	56.5	1.7	0.5	2.1	4.3	1	31.7	1.2	33.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118	414
07:45 AM	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**	**459**
08:00 AM	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166	436
08:15 AM	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160	429
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616	1738
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2		
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895	.947

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

File Name : 01_CPT_Dwight_Compton_AM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	**16**	**8**	**14**	**38**	12	**223**	1	236	5	**6**	11	**22**	0	111	**7**	118
+15 mins.	10	3	11	24	**18**	217	7	**242**	6	3	**12**	21	5	**161**	6	**172**
+30 mins.	12	3	4	19	10	211	10	231	**11**	2	7	20	**6**	153	7	166
+45 mins.	10	1	5	16	6	214	**12**	232	7	3	11	21	2	152	6	160
Total Volume	48	15	34	97	46	865	30	941	29	14	41	84	13	577	26	616
% App. Total	49.5	15.5	35.1		4.9	91.9	3.2		34.5	16.7	48.8		2.1	93.7	4.2	
PHF	.750	.469	.607	.638	.639	.970	.625	.972	.659	.583	.854	.955	.542	.896	.929	.895

Counts Unlimited
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Dwight Avenue
E/W: Compton Boulevard
Weather: Clear

File Name : 01_CPT_Dwight_Compton_PM
Site Code : 99919409
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	14	6	5	25	7	127	8	142	8	3	3	14	14	294	5	313	494
04:15 PM	11	6	3	20	12	155	9	176	5	7	7	19	6	284	12	302	517
04:30 PM	9	2	2	13	7	125	12	144	4	3	6	13	11	254	16	281	451
04:45 PM	14	4	2	20	7	119	14	140	1	8	11	20	9	293	13	315	495
Total	48	18	12	78	33	526	43	602	18	21	27	66	40	1125	46	1211	1957
05:00 PM	13	6	9	28	11	125	16	152	7	8	5	20	12	331	12	355	555
05:15 PM	8	10	1	19	13	143	14	170	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	29	280	18	327	495
05:45 PM	6	2	6	14	7	113	11	131	7	3	3	13	9	250	15	274	432
Total	35	23	17	75	43	487	57	587	23	22	22	67	70	1167	55	1292	2021
Grand Total	83	41	29	153	76	1013	100	1189	41	43	49	133	110	2292	101	2503	3978
Apprch %	54.2	26.8	19		6.4	85.2	8.4		30.8	32.3	36.8		4.4	91.6	4		
Total %	2.1	1	0.7	3.8	1.9	25.5	2.5	29.9	1	1.1	1.2	3.3	2.8	57.6	2.5	62.9	

	Dwight Avenue Southbound				Compton Boulevard Westbound				Dwight Avenue Northbound				Compton Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	**14**	4	2	20	7	119	14	140	1	**8**	**11**	**20**	9	293	13	315	495
05:00 PM	13	6	**9**	**28**	11	125	**16**	152	**7**	8	5	20	12	**331**	12	**355**	**555**
05:15 PM	8	**10**	1	19	**13**	**143**	14	**170**	3	6	5	14	20	306	10	336	539
05:30 PM	8	5	1	14	12	106	16	134	6	5	9	20	**29**	280	**18**	327	495
Total Volume	43	25	13	81	43	493	60	596	17	27	30	74	70	1210	53	1333	2084
% App. Total	53.1	30.9	16		7.2	82.7	10.1		23	36.5	40.5		5.3	90.8	4		
PHF	.768	.625	.361	.723	.827	.862	.938	.876	.607	.844	.682	.925	.603	.914	.736	.939	.939

Counts Unlimited
PO Box 1178
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File Name : 01_CPT_Dwight_Compton_PM
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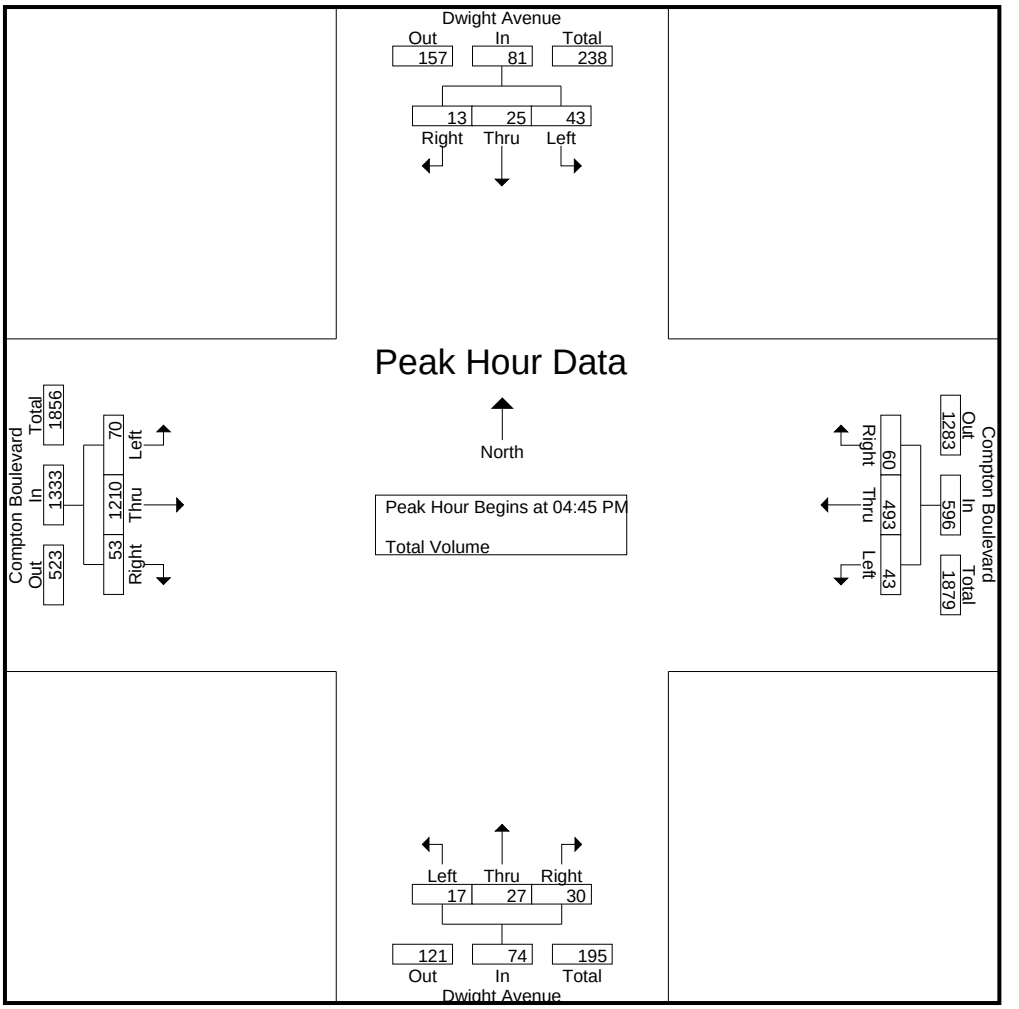
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM				04:15 PM				04:45 PM				04:45 PM			
+0 mins.	11	**6**	3	20	**12**	**155**	9	**176**	1	**8**	**11**	**20**	9	293	13	315
+15 mins.	9	2	2	13	7	125	12	144	**7**	8	5	20	12	**331**	12	**355**
+30 mins.	**14**	4	2	20	7	119	14	140	3	6	5	14	20	306	10	336
+45 mins.	13	6	**9**	**28**	11	125	**16**	152	6	5	9	20	**29**	280	**18**	327
Total Volume	47	18	16	81	37	524	51	612	17	27	30	74	70	1210	53	1333
% App. Total	58	22.2	19.8		6	85.6	8.3		23	36.5	40.5		5.3	90.8	4	
PHF	.839	.750	.444	.723	.771	.845	.797	.869	.607	.844	.682	.925	.603	.914	.736	.939

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
Wed, Aug 21, 19	LOCATION:	Compton	PROJECT #:	SC	
	NORTH & SOUTH:	Kemp	LOCATION #:	1	
	EAST & WEST:	Compton	CONTROL:	STOP N/S	

NOTES:

Queue EB PM

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Kemp			SOUTHBOUND Kemp			EASTBOUND Compton			WESTBOUND Compton			
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	TOTAL
AM	7:00 AM	3	0	3	5	0	5	1	95	2	3	217	2	336
	7:15 AM	1	0	6	6	0	7	1	139	0	0	240	2	402
	7:30 AM	1	0	8	7	0	17	3	197	1	5	254	3	496
	7:45 AM	1	0	2	3	0	20	1	211	0	4	259	4	505
	8:00 AM	0	0	3	4	0	7	6	166	0	6	234	9	435
	8:15 AM	0	0	0	0	0	7	4	153	0	2	176	3	345
	8:30 AM	0	0	4	1	0	1	3	127	0	5	174	4	319
	8:45 AM	1	1	2	1	0	6	2	132	1	2	132	4	284
	VOLUMES	7	1	28	27	0	70	21	1,220	4	27	1,686	31	3,122
	APPROACH %	19%	3%	78%	28%	0%	72%	2%	98%	0%	2%	97%	2%	
	APP/DEPART	36	/	51	97	/	27	1,245	/	1,279	1,744	/	1,765	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	3	0	19	20	0	51	11	713	1	15	987	18	1,838
	APPROACH %	14%	0%	86%	28%	0%	72%	2%	98%	0%	1%	97%	2%	
	PEAK HR FACTOR		0.611			0.740			0.855			0.955		0.910
	APP/DEPART	22	/	28	71	/	15	725	/	753	1,020	/	1,042	0
PM	4:00 PM	0	0	4	0	1	3	5	273	1	3	140	5	435
	4:15 PM	0	1	4	3	0	8	7	241	1	4	176	5	450
	4:30 PM	1	0	1	3	0	6	9	289	0	2	153	12	476
	4:45 PM	0	0	2	2	0	3	11	294	0	4	144	4	464
	5:00 PM	0	0	4	1	0	3	5	306	3	5	141	12	480
	5:15 PM	0	0	7	2	0	5	3	301	2	1	129	6	456
	5:30 PM	0	0	3	0	0	3	4	312	1	0	149	1	473
	5:45 PM	0	0	4	2	1	3	10	288	4	0	122	4	438
	VOLUMES	1	1	29	13	2	34	54	2,304	12	19	1,154	49	3,672
	APPROACH %	3%	3%	94%	27%	4%	69%	2%	97%	1%	2%	94%	4%	
	APP/DEPART	31	/	101	49	/	31	2,370	/	2,348	1,222	/	1,192	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	1	0	14	8	0	17	28	1,190	5	12	567	34	1,876
	APPROACH %	7%	0%	93%	32%	0%	68%	2%	97%	0%	2%	92%	6%	
	PEAK HR FACTOR		0.536			0.694			0.974			0.918		0.977
	APP/DEPART	15	/	59	25	/	16	1,223	/	1,213	613	/	588	0

APPENDIX D

ICU ANALYSIS WORKSHEETS

EXISTING CONDITIONS

Compton & Kemp Residential TIA
Existing Conditions
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.490
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	14	41	48	15	34	13	577	26	46	865	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	31	15	43	51	16	36	14	607	27	48	911	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	15	43	51	16	36	14	607	27	48	911	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	15	43	51	16	36	14	607	27	48	911	32
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.06	0.06	0.01	0.20	0.20	0.03	0.29	0.29
Crit Moves:		****			****			****			****	

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Compton & Kemp Residential TIA
Existing Conditions
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.626
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	27	30	43	25	13	70	1210	53	43	493	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	18	29	32	46	27	14	74	1287	56	46	524	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	29	32	46	27	14	74	1287	56	46	524	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	18	29	32	46	27	14	74	1287	56	46	524	64
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.05	0.05	0.05	0.42	0.42	0.03	0.18	0.18
Crit Moves:		****		****				****		****		

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PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS

Compton & Kemp Residential TIA
Project Opening Yea (2021) Without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.501
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0 1! 0	0	0	0 1! 0	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	30	15	43	50	16	35	14	600	27	48	900	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	32	15	45	53	16	37	14	632	28	50	947	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	15	45	53	16	37	14	632	28	50	947	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	32	15	45	53	16	37	14	632	28	50	947	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.17	0.49	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	552	267	781	792	247	561	1600	3062	138	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
OPening Year (2021) Without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.648
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	28	31	45	26	14	73	1259	55	45	513	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	19	30	33	48	28	14	77	1339	59	48	546	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	30	33	48	28	14	77	1339	59	48	546	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	30	33	48	28	14	77	1339	59	48	546	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.23	0.36	0.41	0.53	0.31	0.16	1.00	1.92	0.08	1.00	1.78	0.22
Final Sat.:	368	584	649	849	494	257	1600	3066	134	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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PROJECT OPENING YEAR WITH PROJECT CONDITIONS

Compton & Kemp Residential TIA
Opening Year (2021) With Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.505
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	0	1	0 1	1	0	1 1 0
Volume Module:												
Base Vol:	29	14	41	48	15	34	13	577	26	46	865	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	30	15	43	50	16	35	14	600	27	48	900	31
Added Vol:	5	0	3	0	0	0	0	1	2	1	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	15	46	50	16	35	14	601	29	49	901	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	37	15	48	53	16	37	14	633	31	51	948	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	15	48	53	16	37	14	633	31	51	948	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	37	15	48	53	16	37	14	633	31	51	948	33
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.37	0.15	0.48	0.50	0.15	0.35	1.00	1.91	0.09	1.00	1.93	0.07
Final Sat.:	590	244	766	792	247	561	1600	3053	147	1600	3093	107
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.06	0.03	0.07	0.07	0.01	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	

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Compton & Kemp Residential TIA
Opening Year (2021) With Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Dwight Ave/Compton Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.656
Loss Time (sec):	10	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0	0	0	1! 0	1	0	1 1	0	1	0
Volume Module:												
Base Vol:	17	27	30	43	25	13	70	1210	53	43	493	60
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	18	28	31	45	26	14	73	1259	55	45	513	62
Added Vol:	4	0	2	0	0	0	0	2	6	3	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	28	33	45	26	14	73	1261	61	48	514	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	23	30	35	48	28	14	77	1341	65	51	547	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	30	35	48	28	14	77	1341	65	51	547	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	30	35	48	28	14	77	1341	65	51	547	66
Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.26	0.34	0.40	0.53	0.31	0.16	1.00	1.91	0.09	1.00	1.78	0.22
Final Sat.:	418	542	640	849	494	257	1600	3052	148	1600	2853	347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.03	0.06	0.06	0.05	0.44	0.44	0.03	0.19	0.19
Crit Moves:	****			****				****		****		

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APPENDIX E

PARKING DATA

Compton Parking Survey
Wednesday June 19th, 2019

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Compton Blvd between Dwight Ave - Kemp Ave	South Side of Street	**19**	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Subtotal	**19**	**8**	**9**	**9**	**7**	**5**	**7**	**7**	**7**	**6**	**6**	**6**	**6**	**4**	**5**	**5**	**5**	**4**
	Total Occupancy	19	8	9	9	7	5	7	7	7	6	6	6	6	4	5	5	5	4
	Total Percent		**42%**	**47%**	**47%**	**37%**	**26%**	**37%**	**37%**	**37%**	**32%**	**32%**	**32%**	**32%**	**21%**	**26%**	**26%**	**26%**	**21%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Kemp Ave between Compton Blvd - 151st St	East Side of Street	**7**	Construction	Construction	0	0	0	0	3	3	4	4	4	4	4	5	5	5	5
	West Side of Street	**9**	Construction	Construction	5	4	4	7	8	9	9	9	9	9	9	9	9	9	9
	Subtotal	**16**	**0**	**0**	**5**	**4**	**4**	**7**	**11**	**12**	**13**	**13**	**13**	**13**	**13**	**14**	**14**	**14**	**14**
	Total Occupancy	16	0	0	5	4	4	7	11	12	13	13	13	13	13	14	14	14	14
	Total Percent		**0%**	**0%**	**31%**	**25%**	**25%**	**44%**	**69%**	**75%**	**81%**	**81%**	**81%**	**81%**	**81%**	**88%**	**88%**	**88%**	**88%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
151st St between Dwight Ave - Kemp Ave	North Side of Street	**25**	15	17	18	17	18	19	20	20	17	19	19	20	20	21	21	21	21
	South Side of Street	**21**	13	14	14	14	13	15	14	16	17	17	16	18	18	18	17	17	18
	Subtotal	**46**	**28**	**31**	**32**	**31**	**31**	**34**	**34**	**36**	**34**	**36**	**35**	**38**	**38**	**39**	**38**	**38**	**39**
	Total Occupancy	46	28	31	32	31	31	34	34	36	34	36	35	38	38	39	38	38	39
	Total Percent		**61%**	**67%**	**70%**	**67%**	**67%**	**74%**	**74%**	**78%**	**74%**	**78%**	**76%**	**83%**	**83%**	**85%**	**83%**	**83%**	**85%**

		Inventory	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM
Dwight Ave between Compton Blvd - 151st St	East Side of Street	**8**	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	West Side of Street	**5**	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
	Subtotal	**13**	**3**	**3**	**4**	**5**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**4**	**3**	**4**	**4**	**4**	**4**
	Total Occupancy	13	3	3	4	5	2	2	2	2	3	3	3	4	3	4	4	4	4
	Total Percent		**23%**	**23%**	**31%**	**38%**	**15%**	**15%**	**15%**	**15%**	**23%**	**23%**	**23%**	**31%**	**23%**	**31%**	**31%**	**31%**	**31%**

	Grand Total Occupancy	94	39	43	50	47	42	50	54	57	56	58	57	61	58	62	61	61	61
	Grand Total Percent		**41%**	**46%**	**53%**	**50%**	**45%**	**53%**	**57%**	**61%**	**60%**	**62%**	**61%**	**65%**	**62%**	**66%**	**65%**	**65%**	**65%**

Counts Unlimited, Inc.
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Corona, CA 92878
951-268-6268

APPENDIX F

SIGNAL WARRANT ANALYSIS WORKSHEETS

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: AM

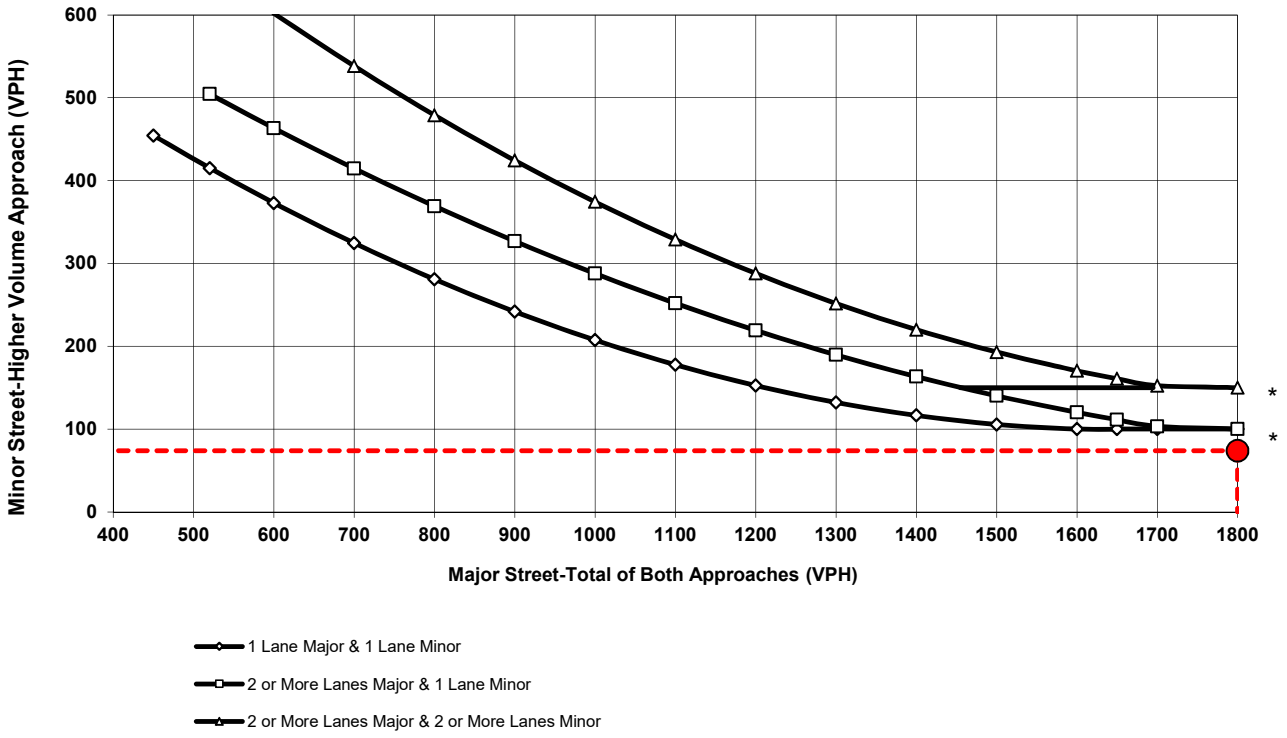
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1822	Higher Volume Approach (VPH):	74
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

PROJECT OPENING YEAR WITH PROJECT PEAK HOUR VOLUME WARRANT
URBAN CONDITIONS

Peak Hour: PM

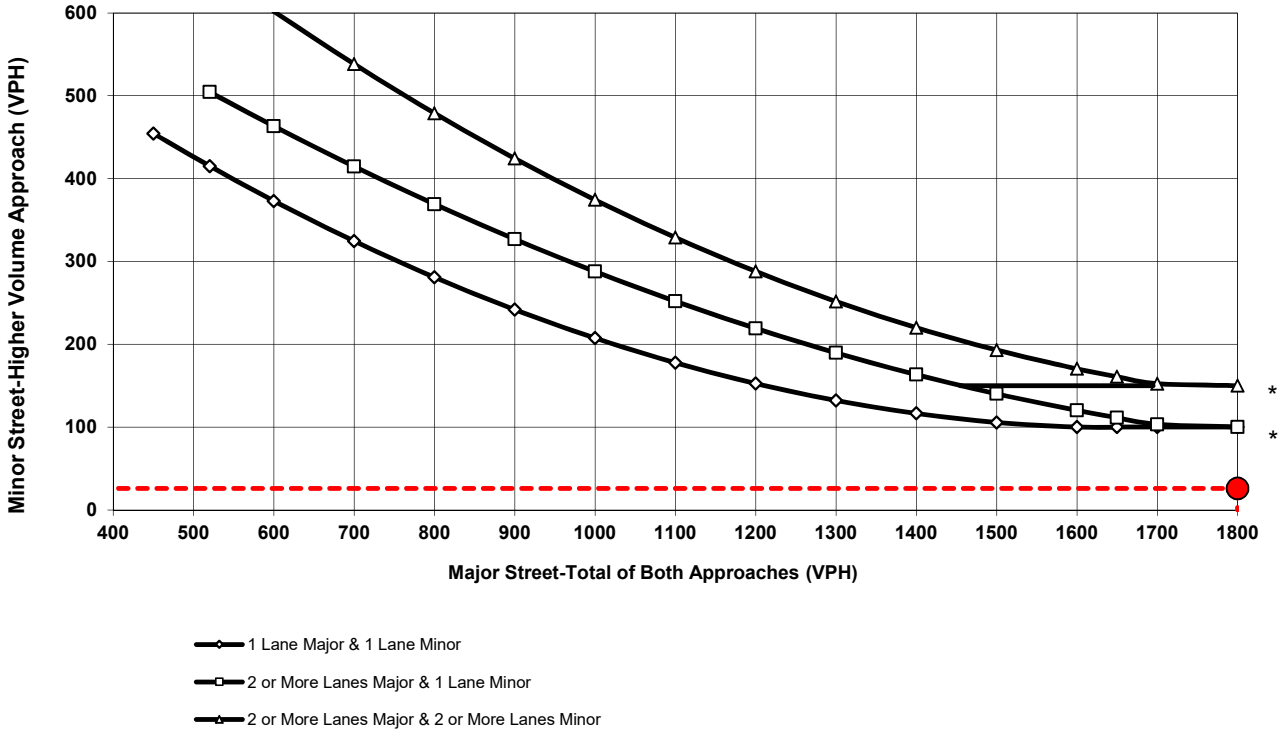
Major Street: Compton Boulevard

Minor Street: Kemp Avenue

Total of Both Approaches (VPH):	1920	Higher Volume Approach (VPH):	26
Number of Approach Lanes:	2	Number of Approach Lanes:	1

SIGNAL WARRANT NOT SATISFIED

Figure 4C-3. Peak Hour Warrant (Urban)



* Note:
150 vph Applies as the Lower Threshold Volume for a Minor Street Approach with Two or More Lanes and 100 vph Applies as the Lower Threshold Volume for a Minor Street Approach with One Lane.

Source: MUTCD 2014 California Supplement Including Revision 3 (March 9, 2018)

Project Opening Year With Project Conditions
PM Peak Hour Volume Warrant
Compton Boulevard/Kemp Avenue

Compton Residential Development

Noise Impact Study

City of Compton, CA

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MD ACOUSTICS
Sound Solutions for Planning and Design

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1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This noise assessment was prepared to evaluate the potential noise impacts for the project study area and to recommend noise mitigation measures, if necessary, to minimize the potential noise impacts. The assessment was conducted and compared to the noise standards set-forth by the Federal, State and Local agencies. Consistent with the City's Noise Guidelines, the project must demonstrate compliance to the applicable noise criterion as outlined within the City's Noise Element and Municipal Code.

The following is provided in this report:

- A description of the study area and the proposed project
- Information regarding the fundamentals of noise
- A description of the local noise guidelines and standards
- An analysis of traffic noise impacts to and from the project site
- An analysis of construction noise impacts

1.2 Site Location and Study Area

The project site is located at 930 W. Compton Boulevard in Compton, California, as shown in Exhibit A. The site is currently zoned as Limited Commercial (CL) and Parking (P) and classified as Medium Density Residential (8.1-17.0 dwelling units per acre) in the City of Compton General Plan. The project includes a Change of Zone to General Commercial – Limited Commercial and Planned Development (C-L-D). The proposed use is single-family residential at approximately 24.5 dwelling units per acre. Land uses surrounding the site include single-family residential uses to the south (across 151st Street), single-family residential uses and commercial uses to the west (across Dwight Avenue), mixed-use commercial and residential uses to the north (across Compton Boulevard), and multi-family residential uses to the east (across Kemp Avenue).

1.3 Proposed Project Description

The Project proposes sixty (60) two story single-family buildings on an approximately 2.45-acres. As a worst-case scenario, this assessment assumes the project is built in one (1) complete phase. The site plan used for this project, provided by City Ventures, is shown in Exhibit B.

This study assesses the traffic noise to and from the project site and compares the results to the applicable City noise standards. In addition, the study reviews noise generated by construction activities.

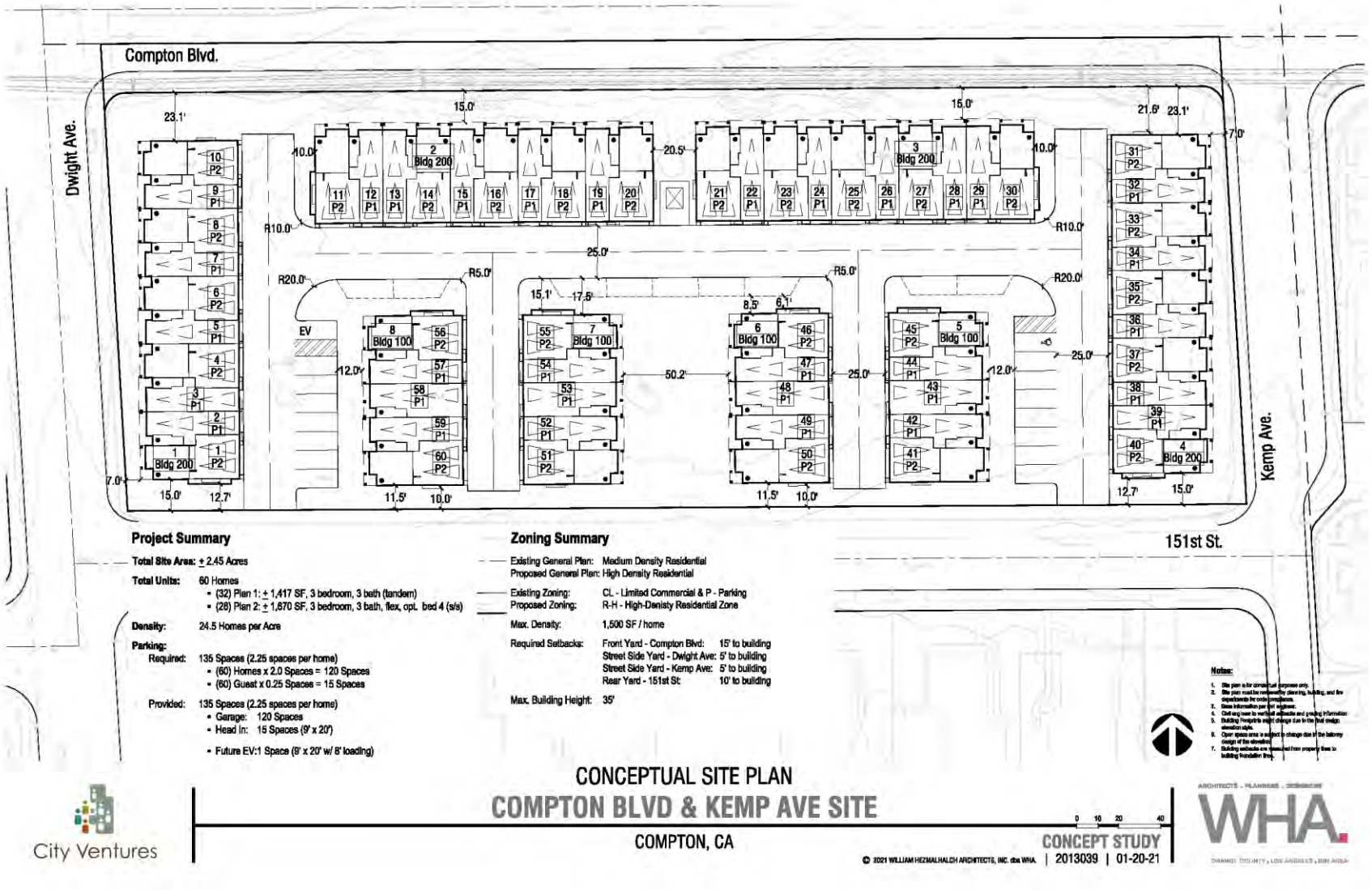
Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Fundamentals of Noise

This section of the report provides basic information about noise and presents some of the terms used within the report.

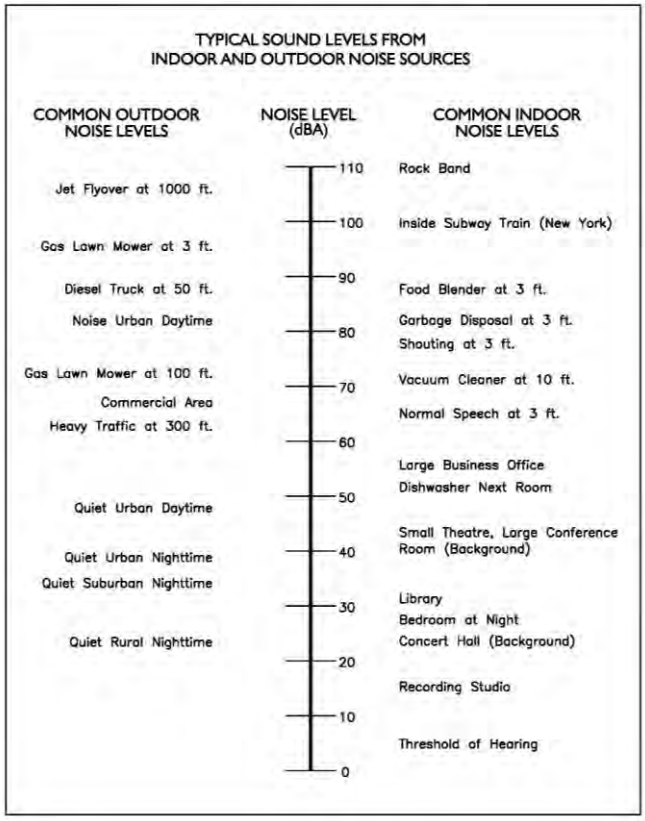
2.1 Sound, Noise and Acoustics

Sound is a disturbance created by a moving or vibrating source and is capable of being detected by the hearing organs. Sound may be thought of as mechanical energy of a moving object transmitted by pressure waves through a medium to a human ear. For traffic, or stationary noise, the medium of concern is air. *Noise* is defined as sound that is loud, unpleasant, unexpected, or unwanted.

2.2 Frequency and Hertz

A continuous sound is described by its *frequency* (pitch) and its *amplitude* (loudness). Frequency relates to the number of pressure oscillations per second. Low-frequency sounds are low in pitch (bass sounding) and high-frequency sounds are high in pitch (squeak). These oscillations per second (cycles) are commonly referred to as Hertz (Hz). The human ear can hear from the bass pitch starting out at 20 Hz all the way to the high pitch of 20,000 Hz.

Exhibit C: Typical A-Weighted Noise Levels



2.3 Sound Pressure Levels and Decibels

The *amplitude* of a sound determines it loudness. The loudness of sound increases or decreases as the amplitude increases or decreases. Sound pressure amplitude is measure in units of micro-Newton per square inch meter (N/m2), also called micro-Pascal (µPa). One µPa is approximately one hundred billionths (0.00000000001) of normal atmospheric pressure. Sound pressure level (SPL or L_p) is used to describe in logarithmic units the ratio of actual sound pressures to a reference pressure squared. These units are called decibels abbreviated dB. Exhibit C illustrates references sound levels for different noise sources.

2.4 Addition of Decibels

Because decibels are on a logarithmic scale, sound pressure levels cannot be added or subtracted by simple plus or minus addition. When two sounds or equal SPL are combined, they will produce an SPL 3 dB greater than the original single SPL. In other words, sound energy must be doubled to produce a 3 dB increase. If two sounds differ by approximately 10 dB, the higher sound level is the predominant sound.

2.5 Human Response to Changes in Noise Levels

In general, the healthy human ear is most sensitive to sounds between 1,000 Hz and 5,000 Hz, (A-weighted scale) and it perceives a sound within that range as being more intense than a sound with a higher or lower frequency with the same magnitude. For purposes of this report as well as with most environmental documents, the A-scale weighting is typically reported in terms of A-weighted decibel (dBA). Typically, the human ear can barely perceive the change in noise level of 3 dB. A change in 5 dB is readily perceptible, and a change in 10 dB is perceived as being twice or half as loud. As previously discussed, a doubling of sound energy results in a 3 dB increase in sound, which means that a doubling of sound energy (e.g. doubling the volume of traffic on a highway) would result in a barely perceptible change in sound level.

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Not perceptible
3	Just perceptible
5	Clearly noticeable
10	Twice (or half) as loud

https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm

2.6 Noise Descriptors

Noise in our daily environment fluctuates over time. Some noise levels occur in regular patterns, others are random. Some noise levels are constant while others are sporadic. Noise descriptors were created to describe the different time-varying noise levels.

A-Weighted Sound Level: The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the response of the human ear. A numerical method of rating human judgment of loudness.

Ambient Noise Level: The composite of noise from all sources, near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

Community Noise Equivalent Level (CNEL): The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of five (5) decibels to sound levels in the evening from 7:00 to 10:00 PM and after addition of ten (10) decibels to sound levels in the night before 7:00 AM and after 10:00 PM.

Decibel (dB): A unit for measuring the amplitude of a sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micro-pascals.

dB(A): A-weighted sound level (see definition above).

Equivalent Sound Level (LEQ): The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time varying noise level. The energy average noise level during the sample period.

Habitable Room: Any room meeting the requirements of the Uniform Building Code or other applicable regulations which is intended to be used for sleeping, living, cooking or dining purposes, excluding such enclosed spaces as closets, pantries, bath or toilet rooms, service rooms, connecting corridors, laundries, unfinished attics, foyers, storage spaces, cellars, utility rooms and similar spaces.

L(n): The A-weighted sound level exceeded during a certain percentage of the sample time. For example, L10 in the sound level exceeded 10 percent of the sample time. Similarly L50, L90 and L99, etc.

Noise: *A*ny unwanted sound or sound which is undesirable because it interferes with speech and hearing, or is intense enough to damage hearing, or is otherwise annoying. The State Noise Control Act defines noise as "...excessive undesirable sound...".

Outdoor Living Area: Outdoor spaces that are associated with residential land uses typically used for passive recreational activities or other noise-sensitive uses. Such spaces include patio areas, barbecue areas, jacuzzi areas, etc. associated with residential uses; outdoor patient recovery or resting areas associated with hospitals, convalescent hospitals, or rest homes; outdoor areas associated with places of worship which have a significant role in services or other noise-sensitive activities; and outdoor school facilities routinely used for educational purposes which may be adversely impacted by noise. Outdoor areas usually not included in this definition are: front yard areas, driveways, greenbelts, maintenance areas and storage areas associated with residential land uses; exterior areas at hospitals that are not used for patient activities; outdoor areas associated with places of worship and principally used for short-term social gatherings; and, outdoor areas associated with school facilities that are not typically associated with educational uses prone to adverse noise impacts (for example, school play yard areas).

Percent Noise Levels: See L(n).

Sound Level (Noise Level): The weighted sound pressure level obtained by use of a sound level meter having a standard frequency-filter for attenuating part of the sound spectrum.

Sound Level Meter: An instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement and determination of noise and sound levels.

Single Event Noise Exposure Level (SENEL): The dB(A) level which, if it lasted for one second, would produce the same A-weighted sound energy as the actual event.

2.7 Traffic Noise Prediction

Noise levels associated with traffic depends on a variety of factors: (1) volume of traffic, (2) speed of traffic, (3) auto, medium truck (2–3 axle) and heavy truck percentage (4 axle and greater), and sound propagation. The greater the volume of traffic, higher speeds and truck percentages equate to a louder volume in noise. A doubling of the Average Daily Traffic (ADT) along a roadway will increase noise levels by approximately 3 dB; reasons for this are discussed in the sections above.

2.8 Sound Propagation

As sound propagates from a source it spreads geometrically. Sound from a small, localized source (i.e., a point source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates at a rate of 6 dB per doubling of distance. The movement of vehicles down a roadway makes the source of the sound appear to propagate from a line (i.e., line source) rather than a point source. This line source results in the noise propagating from a roadway in a cylindrical spreading versus a spherical spreading that results from a point source. The sound level attenuates for a line source at a rate of 3 dB per doubling of distance.

As noise propagates from the source, it is affected by the ground and atmosphere. Noise models use hard site (reflective surfaces) and soft site (absorptive surfaces) to help calculate predicted noise levels. Hard site conditions assume no excessive ground absorption between the noise source and the receiver. Soft site conditions such as grass, soft dirt or landscaping attenuate noise at a rate of 1.5 dB per doubling of distance. When added to the geometric spreading, the excess ground attenuation results in an overall noise attenuation of 4.5 dB per doubling of distance for a line source and 7.5 dB per doubling of distance for a point source.

Research has demonstrated that atmospheric conditions can have a significant effect on noise levels when noise receivers are located 200 feet from a noise source. Wind, temperature, air humidity and turbulence can further impact have far sound can travel.

3.0 Ground-Bourne Vibration Fundamentals

3.1 Vibration Descriptors

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

Several different methods are used to quantify vibration amplitude.

PPV – Known as the peak particle velocity (PPV) which is the maximum instantaneous peak in vibration velocity, typically given in inches per second.

RMS – Known as root mean squared (RMS) can be used to denote vibration amplitude

VdB – A commonly used abbreviation to describe the vibration level (VdB) for a vibration source.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Outdoor sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration. To counter the effects of ground-borne vibration, the Federal Transit Administration (FTA) has published guidance relative to vibration impacts. According to the FTA, fragile buildings can be exposed to ground-borne vibration levels of 0.3 inches per second without experiencing structural damage.

There are three main types of vibration propagation: surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse, or side-to-side and perpendicular to the direction of propagation.

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be

effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 Regulatory Setting

The proposed project is located in the City of Compton and noise regulations are addressed through the efforts of various federal, state and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Publicize noise emission standards for interstate commerce
- Assist state and local abatement efforts
- Promote noise education and research

The Federal Office of Noise Abatement and Control (ONAC) originally was tasked with implementing the Noise Control Act. However, it was eventually eliminated leaving other federal agencies and committees to develop noise policies and programs. Some examples of these agencies are as follows: The Department of Transportation (DOT) assumed a significant role in noise control through its various agencies. The Federal Aviation Agency (FAA) is responsible to regulate noise from aircraft and airports. The Federal Highway Administration (FHWA) is responsible to regulate noise from the interstate highway system. The Occupational Safety and Health Administration (OSHA) is responsible for the prohibition of excessive noise exposure to workers.

The federal government advocates that local jurisdiction use their land use regulatory authority to arrange new development in such a way that “noise sensitive” uses are either prohibited from being constructed adjacent to a highway or, or alternatively that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by the transportation source, the City is restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

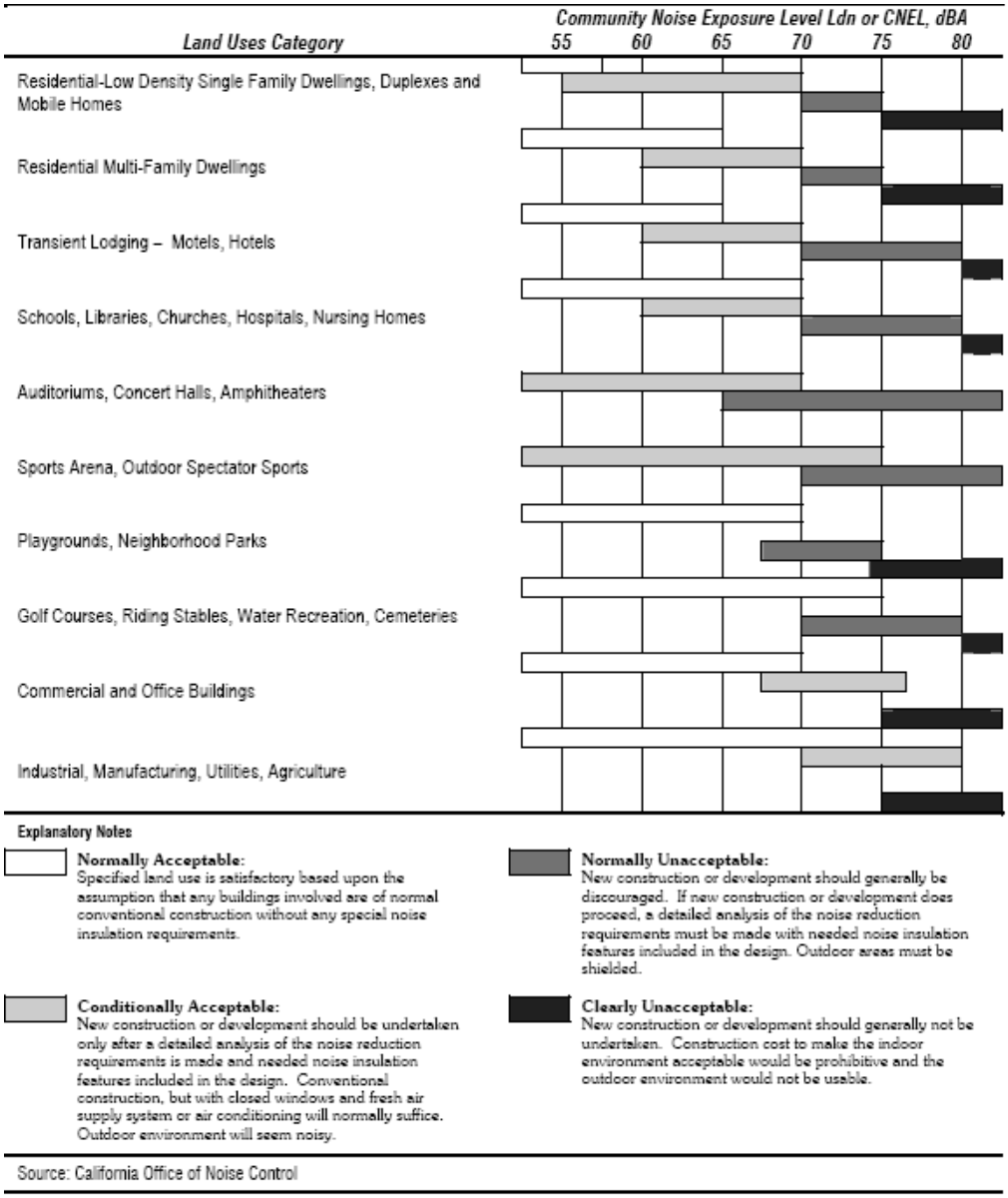
4.2 State Regulations

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the “Land Use Compatibility for Community Noise Environments Matrix.” The matrix allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise.

The State of California has established noise insulation standards as outlined in Title 24 and the Uniform Building Code (UBC) which in some cases requires acoustical analyses to outline exterior noise levels and to ensure interior noise levels do not exceed the interior threshold. The State mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan.

The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable as illustrated in Exhibit D.

Exhibit D: Land Use Compatibility Guidelines



4.3 City of Compton Noise Regulations

The City of Compton outlines their noise regulations and standards within the Noise Element from the General Plan and the Noise Ordinance from the Municipal Code.

City of Compton General Plan

Applicable policies and standards governing environmental noise in the City are set forth in the General Plan Noise Element. Table N-2 of the Compton Noise Element outlines the interior and exterior noise standards for community noise environments. According to Table N-2 multifamily residential noise limits are 45 dBA CNEL interior and 65 dBA CNEL exterior. It should be noted that if exterior levels exceed this limit, the architectural design should be such that interior noise levels are not greater than 45 dBA. The project will be compared to these noise limits.

In addition to the noise standards, the City has outlined goals, policies and implementation measures to reduce potential noise impacts and are presented below:

Goals, Policies, and Implementation Measures

Policies, goals and implementation program measures from the Noise Element that would mitigate potential impacts on noise include the following.

Goal 1.0: Reduce noise impacts from transportation noise sources.

Policy 1.1 (L): Construction of barriers along freeways, railroads, and Alameda Corridor when necessary to shield noise-sensitive uses from excessive noise.

Policy 1.2 (L): Include noise mitigation measures in the design of new roadway projects in Compton.

Policy 1.3 (L): Reduce transportation noise through proper design and coordination of new or remodeled transportation and circulation facilities.

Policy 1.4 (L): Enforce City, State, and Federal noise standards, especially those for mufflers and modified exhaust systems.

Policy 1.5 (S): Monitor noise from buses and other heavy vehicles in residential areas. If necessary, consider alternative circulation routes for those types of vehicles.

Policy 1.6 (M): Discourage through-traffic in residential neighborhoods by use of speed bumps.

Policy 1.7 (L): Require that new transportation equipment purchased by the City of Compton comply with noise performance standards.

Policy 1.8 (S): Ensure that noise mitigation considerations are incorporated into the design of the Alameda Corridor.

Policy 1.9 (S): Encourage the SCRTD to implement measures to reduce impact of Blue Line horn.

Policy 1.10 (L): Encourage Compton Airport to implement noise reduction methods for aircraft, especially at landing and take-off.

Goal 2.0: Incorporate noise considerations into land use planning decisions.

Policy 2.1 (S): Establish acceptable limits of noise for various land uses throughout the community, in accordance with Table N-2.

Policy 2.2 (L): Ensure acceptable noise levels near schools, hospitals, convalescent homes, and other noise sensitive areas, in accordance with Table N-1.

Policy 2.3 (S): Establish standards for all types of noise not already governed by local ordinances or preempted by state or federal law.

Policy 2.4 (L): Require noise reduction techniques in site and architectural design and construction where noise reduction is necessary.

Policy 2.5 (L): Discourage and, if necessary, prohibit location of noise-sensitive land uses in noisy environments, including near railroad tracks, freeways, and Compton Airport.

Goal 3.0: Minimize noise spillover from commercial and industrial uses into nearby residential neighborhoods.

Policy 3.1 (L): Enforce the 65 db(A) State standard for exterior noise levels for all commercial uses.

Policy 3.2 (S): Require that a minimum 15-foot, landscaped buffer be provided between a commercial or mixed-use structure and an adjoining residential parcel.

Policy 3.3 (S): Require that automobile and truck access to commercial or industrial properties located adjacent to residential parcels be located at the maximum practical distance from residential parcel.

Policy 3.4 (L): Prohibit truck deliveries to commercial and industrial properties abutting residential uses before 7 a.m. and after 9 p.m., unless there is no feasible alternative.

Goal 4.0: Minimize the noise impacts associated with the development of residential units above ground floor commercial uses in mixed-use developments.

Policy 4.1 (S): Require that commercial uses development as part of a mixed-use project (with residential uses) not be noise intensive.

Policy 4.2 (S): Require that mixed-use structures be designed to prevent transfer of noise and vibration from the commercial to the residential use.

Policy 4.3 (L): Orient mixed-use residential units away from major noise sources.

Policy 4.4 (L): Locate balconies and openable windows of residential units in mixed-use projects away from the primary street and other major noise sources.

Goal 5.0: Develop measures to control non-transportation noise impact.

Policy 5.1 (S): Adopt and updated comprehensive City Noise Ordinance to control excessive noise from lawn blowers, trimmers, machinery, or other disturbances.

Policy 5.2 (L): Reduce noise generated by construction activities by requiring sound attenuation devices on construction equipment.

Policy 5.3 (L): Establish and maintain coordination among the agencies involved in noise abatement.

Construction Noise Regulations

Section 7-12.22 of the City of Compton General Plan regulates construction noise. The General Plan states, No person shall cause or permit any work to be done or do any work on the erection (including excavation), unless the noise caused thereby is confined within a building, or use any pile driver, steam shovel, pneumatic hammer, derrick, steam or electric hoist, unless the noise caused thereby is confined within a building, other than between the hours of 7:00 AM and 7:00 PM on Monday through Sunday, except in cases of urgent necessity in the interest of public health and safety and then only with a permit from the building official. No such permit shall be granted for a period of more than three (3) days but may be renewed from time to time so long as the emergency exists.

5.0 Study Method and Procedure

The following section describes the noise modeling procedures and assumptions used for this assessment.

5.1 Noise Measurement Procedure and Criteria

Noise measurements are taken to determine the existing noise levels. A noise receiver or receptor is any location in the noise analysis in which noise might produce an impact. The following criteria are used to select measurement locations and receptors:

- Locations expected to receive the highest noise impacts, such as first row of houses
- Locations that are acoustically representative and equivalent of the area of concern
- Human land usage
- Sites clear of major obstruction and contamination

MD conducted the sound level measurements in accordance to the City of Compton which is similar to CalTrans technical noise specifications. All measurements equipment meets American National Standards Institute (ANSI) specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA). The following gives a brief description of the Caltrans Technical Noise Supplement procedures for sound level measurements:

- Microphones for sound level meters were placed 5-feet above the ground for all measurements
- Sound level meters were calibrated (Larson Davis CAL 200) before and after each measurement
- Following the calibration of equipment, a wind screen was placed over the microphone
- Frequency weighting was set on “A” and slow response
- Results of the long-term noise measurements were recorded on field data sheets
- During any short-term noise measurements any noise contaminations such as barking dogs, local traffic, lawn mowers, or aircraft fly-overs were noted
- Temperature and sky conditions were observed and documented

5.2 Noise Measurement Locations

Noise monitoring locations were selected based on the distance from Compton Blvd to the nearest sensitive on-site receptors. Short-term noise measurements were conducted near the corner portions of the project site and are illustrated in Exhibit E. Appendix A includes photos, field sheet, and measured noise data. Exhibit E illustrates the location of the measurements.

5.3 FHWA Traffic Noise Prediction Model/SoundPlan

Traffic noise from vehicular traffic was projected using a computer program that replicates the FHWA Traffic Noise Prediction Model (FHWA-RD-77-108). The FHWA model arrives at the predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). Roadway volumes and percentages correspond to the project’s traffic impact study as prepared by TJW Engineering (TJW Engineering, TNC-18-01 – MHSR Apartments Traffic Impact Assessment, Jan 2019) and

roadway classification. The referenced traffic data was applied to the model and is in Appendix B. The following outlines the key adjustments made to the REMEL for the roadway inputs:

- Roadway classification – (e.g. freeway, major arterial, arterial, secondary, collector, etc),
- Roadway Active Width – (distance between the center of the outer most travel lanes on each side of the roadway)
- Average Daily Traffic Volumes (ADT), Travel Speeds, Percentages of automobiles, medium trucks and heavy trucks
- Roadway grade and angle of view
- Site Conditions (e.g. soft vs. hard)
- Percentage of total ADT which flows each hour through-out a 24-hour period

Table 1 indicates the roadway parameters and vehicle distribution utilized for this study.

Table 1: Roadway Parameters and Vehicle Distribution

Roadway	Segment	LOS D ADT[1]	LOS D + Project ADT[1]	Speed (MPH)	Site Conditions
Compton Blvd	Secondary Highway	25,357	25,796	35	Soft
Compton Blvd Vehicle Distribution and Mix[2]					
Motor-Vehicle Type		**Daytime % (7AM to 7 PM)**	**Evening % (7 PM to 10 PM)**	**Night % (10 PM to 7 AM)**	**Total % of Traffic Flow**
Automobiles		77.5	12.9	9.6	97.42
Medium Trucks		84.8	4.9	10.3	1.54
Heavy Trucks		86.5	2.7	10.8	0.74

Notes:
[1] Existing ADT and Existing + Project volumes for Compton Blvd are from the City of Compton's Circulation element
[2] Vehicle distribution data is based on typical Southern California roadway vehicle percentages for Secondary Arterials.

To determine the project's noise impact to the surrounding land uses, MD generated noise contours for LOS D, and LOS D + project conditions. Noise contours are used to provide a characterization of sound levels experienced at a set distance from the centerline of a subject roadway. They are intended to represent a worst-case scenario and do not take into account structures, sound walls, topography, and/or other sound attenuating features which may further reduce the actual noise level. Noise contours are developed for comparative purposes and are used to demonstrate potential increases/decreases along subject roadways as a result of a project.

In addition, this assessment calculates future traffic noise levels at the project site associated with Compton Boulevard. For the purpose of this evaluation MD used the existing + project to represent the future noise level to the first row of residential units with direct line of sight to Compton Blvd. The traffic noise calculation worksheet outputs are located in Appendix B.

5.4 Interior Noise Modeling

The interior noise level is the difference between the projected exterior noise level at the structure's facade and the noise reduction provided by the structure itself. Typical building construction will provide a conservative 12 dBA noise level reduction with a "windows open" condition and a very conservative 20 dBA noise level reduction with "windows closed". MD estimated the interior noise level by subtracting the building shell design from the predicted exterior noise level.

With the "windows closed" the project will require mechanical fresh air ventilation (e.g. air conditioning) to the habitable dwelling units.

5.5 FHWA Roadway Construction Noise Model

The construction noise analysis utilizes the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RNCM), together with several key construction parameters. Key inputs include distance to the sensitive receiver, equipment usage, % usage factor, and baseline parameters for the project site.

The project was analyzed based on the different construction phases. Construction noise is expected to be loudest during the grading, concrete and building phases of construction. The construction noise calculation output worksheet is located in Appendix C. The following assumptions relevant to short-term construction noise impacts were used:

- It is estimated that construction will occur over a year to year and a half time period. Construction noise is expected to be the loudest during the grading, concrete, and building phases.

Exhibit E
Measurement Location

X = Measurement location

= boundary

6.0 Existing Noise Environment

Four (4) short term ambient noise measurement was conducted at the project site. The measurements measured the 1-hour Leq, Lmin, Lmax and other statistical data (e.g. L2, L8). The noise measurement was taken to determine the existing baseline noise conditions.

6.1 Short-Term Noise Measurement Results

The results of the Short-term noise data are presented in Table 2.

Table 2: Short-Term Nosie Measurement Data (dBA)[1]

Location	Date	Start Time	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)
Site 1	5/14/2019	10:42 AM	69.6	85.8	45.2	44.9	46.9	54.5	53.9
Site 2	5/14/2019	11:08 AM	73.3	92.3	48.0	55.3	59.0	61.4	65.8
Site 3	5/14/2019	11:16 AM	49.7	91.2	37.4	46.8	47.1	52.4	55.4
Site 4	5/14/2019	11:23 AM	54.1	94.8	41.9	44.9	46.9	54.5	53.9

Notes:
1. Measurements were taken over a ten-minute interval. Measurement locations are indicated in Exhibit E.

Short-term noise data indicates the ambient noise levels range between 54.1 to 73.3 dBA Leq. The measured noise levels and field notes indicate that traffic noise is the main source of noise impacting the project site.

7.0 Future Noise Environment Impacts and Mitigation

This assessment analyzes future noise impacts to the project and compares the results to the City's Noise Standards. The analysis details the estimated exterior noise levels associated with traffic from adjacent roadway sources.

7.1 Future Exterior Noise

The following outlines the exterior noise levels associated with the proposed project.

7.1.1 Off-site Traffic Noise Impact

The potential off-site noise impacts caused by the increase in vehicular traffic as a result of the project were calculated at a distance of 50 feet. The distance to the 55, 60, 65, and 70 dBA CNEL noise contours are also provided for reference. The noise level at 50 feet is representative of approximate distances to existing homes along the subject roadway. The noise contours were calculated for the following scenarios and conditions:

- LOS D Condition: This scenario refers to the existing year traffic noise condition and is demonstrated in Table 3.

- LOS D + Project Condition: This scenario refers to the existing year plus project traffic noise condition and is demonstrated in Table 3.

LOS D/LOS D + Project Scenario Comparison

Table 3 provides the LOS D and LOS D + Project noise conditions and shows the change in noise level as a result of the proposed project. As shown in Table 3, the increase in traffic noise for the Existing and Existing + Project scenario would have a nominal increase of 0.1 dBA at 50 feet from the centerline of the subject roadway.

Table 3: LOS D Scenario – Noise Levels Along Roadways (dBA CNEL)

LOS D Without Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	36	78	169	363

Change in LOS D + Project Exterior Noise Levels

Roadway	Segment	CNEL at 50 Ft (dBA)	Distance to Contour (Ft)			
			70 dBA CNEL	65 dBA CNEL	60 dBA CNEL	55 dBA CNEL
Compton Blvd	Wilmington Ave to S Central Ave	68	37	79	171	367

Change in LOS D Noise Levels as a Result of Projects

Roadway[1]	Segment	CNEL at 50 Feet dBA[2]			
		Existing Without Project	Existing With Project	Change in Noise Level	Potential Significant Impact
Compton Blvd	Wilmington Ave to S Central Ave	68	68.0	0.1	No

Notes:
[1] Exterior noise levels calculated at 5 feet above ground level.
[2] Noise levels calculated from centerline of subject roadway.

7.1.2 On-Site Traffic Noise Impact

Traffic noise from the local roadway network was evaluated and compared to the City's Exterior Noise Standard. Per the City's Exterior Noise Standard (Table N-2 from the City's General Plan, Noise Element), multi-family residential noise limit is 65 dBA CNEL. As shown in Table 3, Existing Plus Project traffic 65 dBA CNEL noise projections from Compton Blvd will reach up to 79 feet from the centerline of the road. Residential structures are located approximately 50 feet away from the centerline of Compton Blvd and have a projected noise level of 68 dBA. It should be noted that the existing noise level exceeds the 65 dBA noise limit so 68 dBA becomes the standard.

7.2 Interior Noise Levels

The future interior noise level was calculated for the sensitive receptor locations using a typical "windows open" and "windows closed" condition. A "windows open" condition assumes 12 dBA of noise attenuation from the exterior noise level. A "windows closed" condition" assumes 20 dBA of noise attenuation from the exterior noise level. Table 4 indicates the first and second floor interior noise levels for the project site.

Table 4: Future Interior Noise Levels (dBA CNEL)

Location	Roadway Noise Source	Exterior Facade Study Location	Noise Level at Building Facade1	Interior Noise Reduction Required to Meet Interior Noise Standard of 45 dBA CNEL	Interior Noise Level w/ Typical Residential Windows (STC≥ 25)		STC Rating for Windows Facing Subject Roadway4
					Window Open2	Windows Closed3	
1st Row Units Along Northern Property Line	Compton Blvd	1st Floor	68	23	56	48	26
		2nd Floor	68	23	56	48	26

Notes:
1. Noise level from Table 5 and from worksheets Appendix C.
2. A minimum of 12 dBA noise reduction is assumed with a "windows open" condition.
3. A minimum of 20 dBA noise reduction is assumed with a "windows closed" condition.
4. Indicates the required STC rating to meet the interior noise standard.

As shown in Table 4, the interior noise level will range from 56 dBA CNEL with the windows open and 48 dBA CNEL with the windows closed.

To meet the City's interior 45 dBA CNEL standard a "windows closed" condition is required. The windows and sliding glass doors directly facing the Compton Blvd will require a minimum STC rating of 26 for the 1st floor and 2nd floors. A "windows closed" condition simply means that in order to achieve a 45 dBA CNEL interior noise level, the windows must be closed and does not mean the windows must be fixed.

8.0 Construction Noise Impact

The degree of construction noise may vary for different areas of the project site and also vary depending on the construction activities. Noise levels associated with the construction will vary with the different phases of construction. The construction noise and vibration level projections are provided in the sections below.

8.1 Construction Noise

The Environmental Protection Agency (EPA) has compiled data regarding the noise generated characteristics of typical construction activities. The data is presented in Table 5.

Table 5: Typical Construction Noise Levels[1]

Equipment Powered by Internal Combustion Engines

Type	Noise Levels (dBA) at 50 Feet
Earth Moving	
Compactors (Rollers)	73 - 76
Front Loaders	73 - 84
Backhoes	73 - 92
Tractors	75 - 95
Scrapers, Graders	78 - 92
Pavers	85 - 87
Trucks	81 - 94
Materials Handling	
Concrete Mixers	72 - 87
Concrete Pumps	81 - 83
Cranes (Movable)	72 - 86
Cranes (Derrick)	85 - 87
Stationary	
Pumps	68 - 71
Generators	71 - 83
Compressors	75 - 86

Impact Equipment

Type	Noise Levels (dBA) at 50 Feet
Saws	71 - 82
Vibrators	68 - 82

Notes:
[1] Referenced Noise Levels from the Environmental Protection Agency (EPA)

Construction is anticipated to occur during the permissible hours according the City's General Plan. Construction noise is considered a short-term impact and would be considered significant if construction activities are taken outside the allowable times as described in the City's General Plan (Section 7-12.22). Construction noise will have a temporary or periodic increase in the ambient noise level above the existing within the project vicinity. Furthermore, noise reduction measures are provided to further reduce construction noise. The construction noise impact is considered less than significant; however, construction noise level projections are provided.

Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Noise levels will be loudest during grading phase. A likely worst-case construction noise scenario during grading assumes the use of a grader, a dozer, an excavator, and three (3) backhoes operating at 80 feet from the nearest sensitive receptor.

To ensure that construction activities do not disrupt the adjacent land uses, the following noise reduction measures should be taken:

1. Construction shall occur during the hours of 7:00 AM to 8:00 PM.

2. Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.

3. Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses, as feasible.

4. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.

5. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

8.2 Construction Vibration

Construction activities can produce vibration that may be felt by adjacent land uses. The construction of the proposed project would not require the use of equipment such as pile drivers, which are known to generate substantial construction vibration levels. The primary vibration source during construction may be from a bull dozer. A large bull dozer has a vibration impact of 0.089 inches per second peak particle velocity (PPV) at 25 feet which is perceptible but below any risk to architectural damage.

The fundamental equation used to calculate vibration propagation through average soil conditions and distance is as follows:

$$PPV_{equipment} = PPV_{ref} (100/D_{rec})^n$$

Where: PPV_{ref} = reference PPV at 100ft.
D_{rec} = distance from equipment to receiver in ft.
n = 1.1 (the value related to the attenuation rate through ground)

The thresholds from the Caltrans Transportation and Construction Induced Vibration Guidance Manual in Table 6 (below) provides general thresholds and guidelines as to the vibration damage potential from vibratory impacts.

Table 6: Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Table 19, Transportation and Construction Vibration Guidance Manual, Caltrans, Sept. 2013.
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

Table 7 gives approximate vibration levels for particular construction activities. This data provides a reasonable estimate for a wide range of soil conditions.

Table 7: Vibration Source Levels for Construction Equipment[1]

Equipment	Peak Particle Velocity (inches/second) at 25 feet	Approximate Vibration Level LV (dVB) at 25 feet
Pile driver (impact)	1.518 (upper range)	112
	0.644 (typical)	104
Pile driver (sonic)	0.734 upper range	105
	0.170 typical	93
Clam shovel drop (slurry wall)	0.202	94
Hydromill	0.008 in soil	66
(slurry wall)	0.017 in rock	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large bulldozer	0.089	87
Caisson drill	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

[1] Source: Transit Noise and Vibration Impact Assessment, Federal Transit Administration, May 2006.

At a distance of 80 feet, a large bulldozer would yield a worst-case 0.025 PPV (in/sec) which slightly perceptible but sustainably below any risk of damage (0.5 in/sec PPV is the threshold of residential structures). The impact is less than significant, and no mitigation is required.

8.3 Construction Noise Reduction Measures

Construction operations must follow the City's General Plan and the Noise Ordinance, which states that construction, repair or excavation work performed must occur within the permissible hours. To further

ensure that construction activities do not disrupt the adjacent land uses, the following measures should be taken:

1. Construction should occur during the permissible hours as defined in Section 7-12.22.

2. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.

3. The contractor should locate equipment staging areas that will create the greatest distance between construction-related noise/vibration sources and sensitive receptors nearest the project site during all project construction.

4. Idling equipment should be turned off when not in use.

5. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

9.0 References

State of California General Plan Guidelines: 1998. Governor's Office of Planning and Research

City of Compton : Noise Element .

County of LA: Noise Ordinance.

Caltrans Noise Technical Manual. 2013

Konan Vibration Criteria

Appendix A:

Field Measurement Data

MD ACOUSTICS
Sound Solutions for Planning and Design
www.mdacoustics.com

AZ Office
4960 S. Gilbert Rd, Ste 1-461
Chandler, AZ 85249

CA Office
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

10-Minute Noise Measurement Datasheet

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Date: 5/14/2019
Field Tech/Engineer: Jason Schuyler / Robert Pearson

Site Observations: Cloudy 63 Degrees, No wind. Lots of local residents and activity in the area made a 24hr measurement impossible. An Ambulance drove past durring NM2 readings.

General Location:
Sound Meter: NTi Audio **SN:** A2A-05967-E0
Settings: A-weighted, slow, 1-sec, 10-minute interval
Meteorological Con.: 63 degrees F, no wind.
Site ID: ST-1 thru ST-4

Site Topo: Flat
Ground Type: Hard site conditions, reflective

Noise Source(s) w/ Distance:

NM1 is 50' from C/L of Dwight, 32' from C/L of Compton Ave

NM2 is 32' toC/L of Kemp, 34' to C/L of Compton Ave.

NM 3 is 23' to C/L of Kemp, 25' to C/L of 151st

NM4 is 22' to C/L of 151st, 27' to C/L of Dwight

Figure 1: Monitoring Locations

Figure 2: ST-1 Photo

Figure 3: ST-2 Photo

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Chandler, AZ 85249

CA Office
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-1 thru ST-4

Figure 4: ST-3 Photo

Figure 5: ST-4 Photo

Table 1: Morning - Baseline Noise Measurement Summary

Location	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
1	10:42 AM	10:47 AM	69.6	85.8	45.2	44.9	46.9	54.5	53.9	51.2
2	11:08 AM	11:13 AM	73.3	92.3	48.0	55.3	59.0	61.4	65.8	65.3
3	11:16 AM	11:21 AM	49.7	91.2	37.4	46.8	47.1	52.4	55.4	52.2
4	11:23 AM	11:28 AM	54.1	94.8	41.9	44.9	46.9	54.5	53.9	51.2

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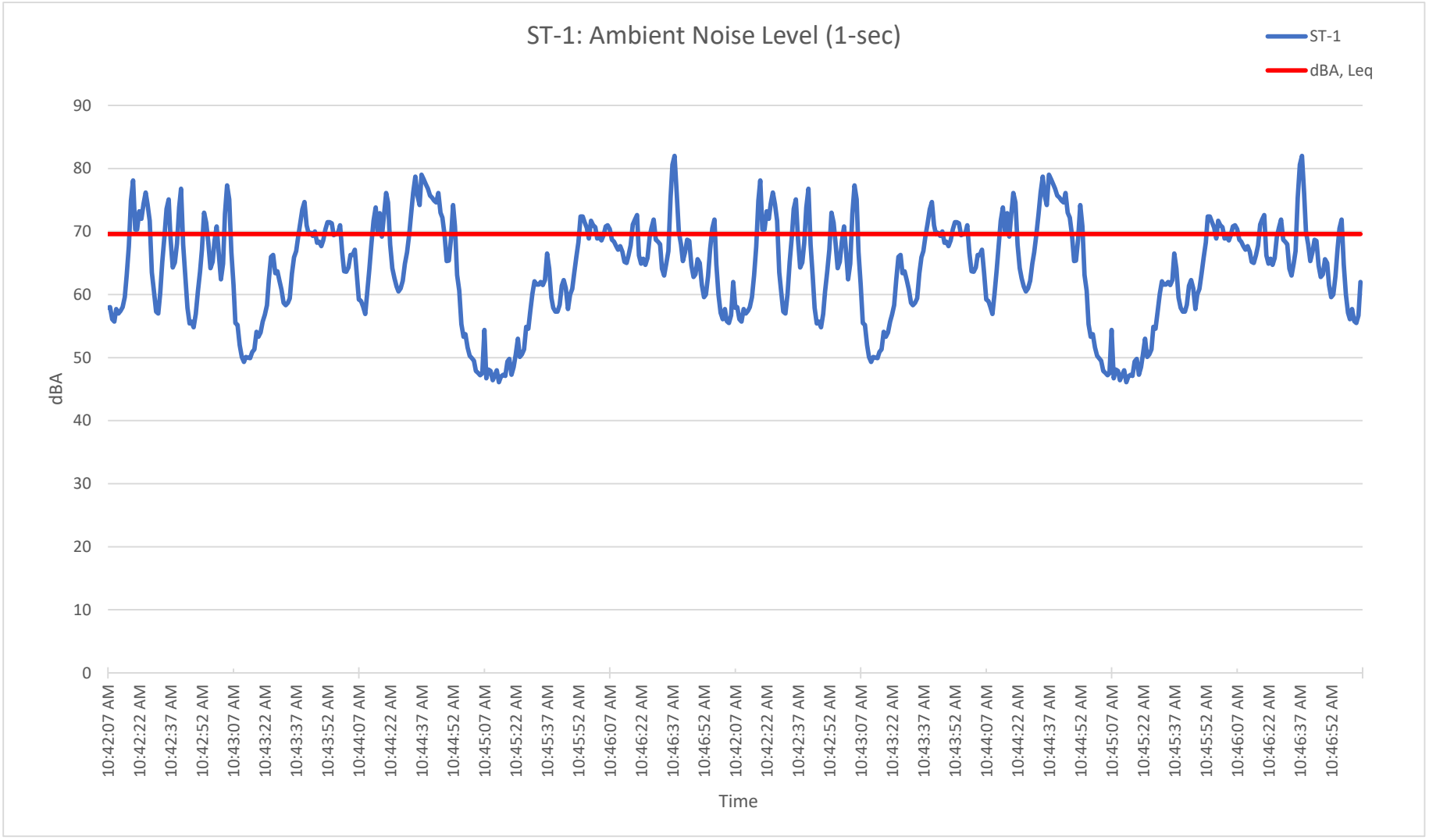
Chandler, AZ 85249

CA Office
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-1



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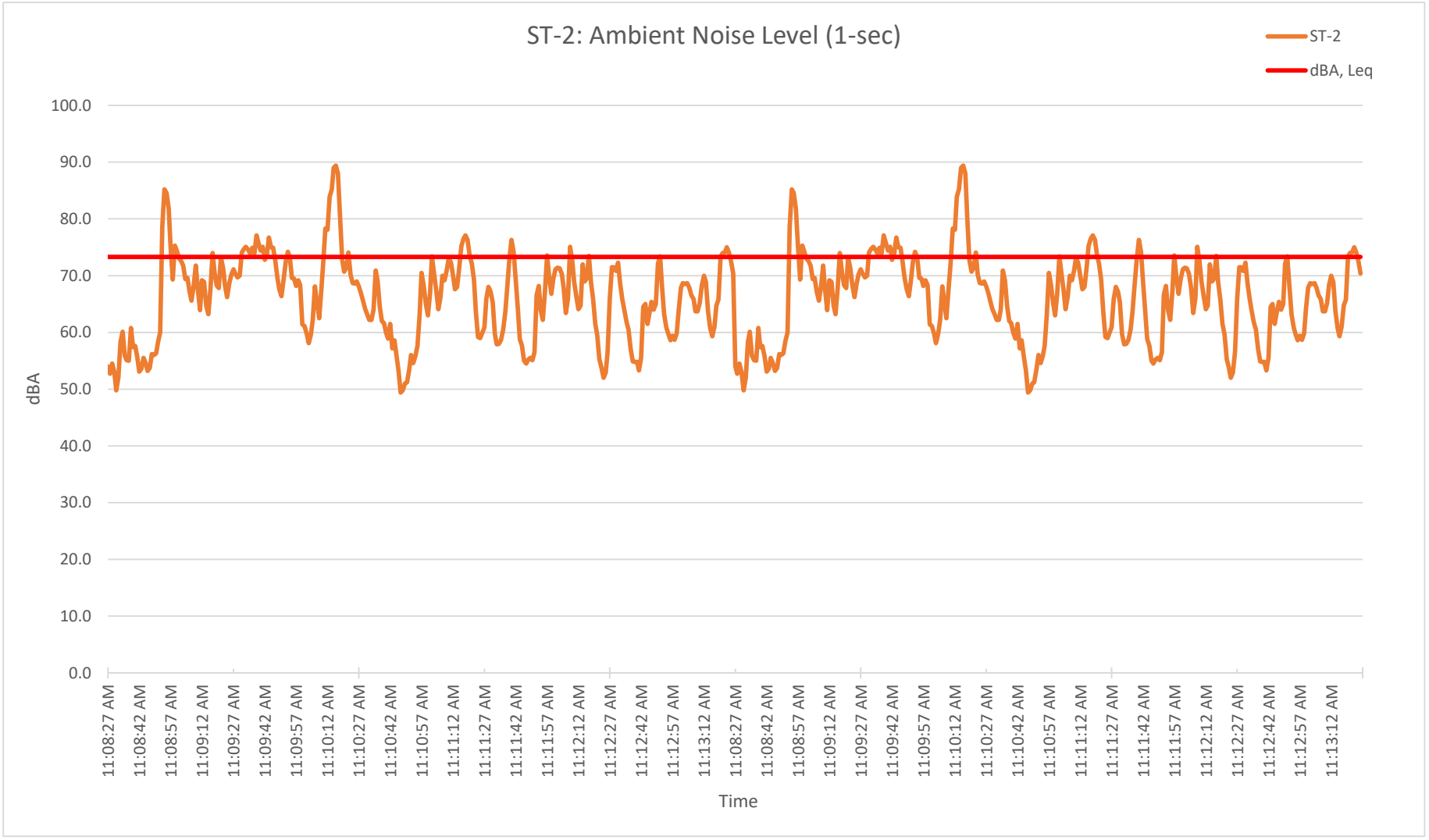
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-2



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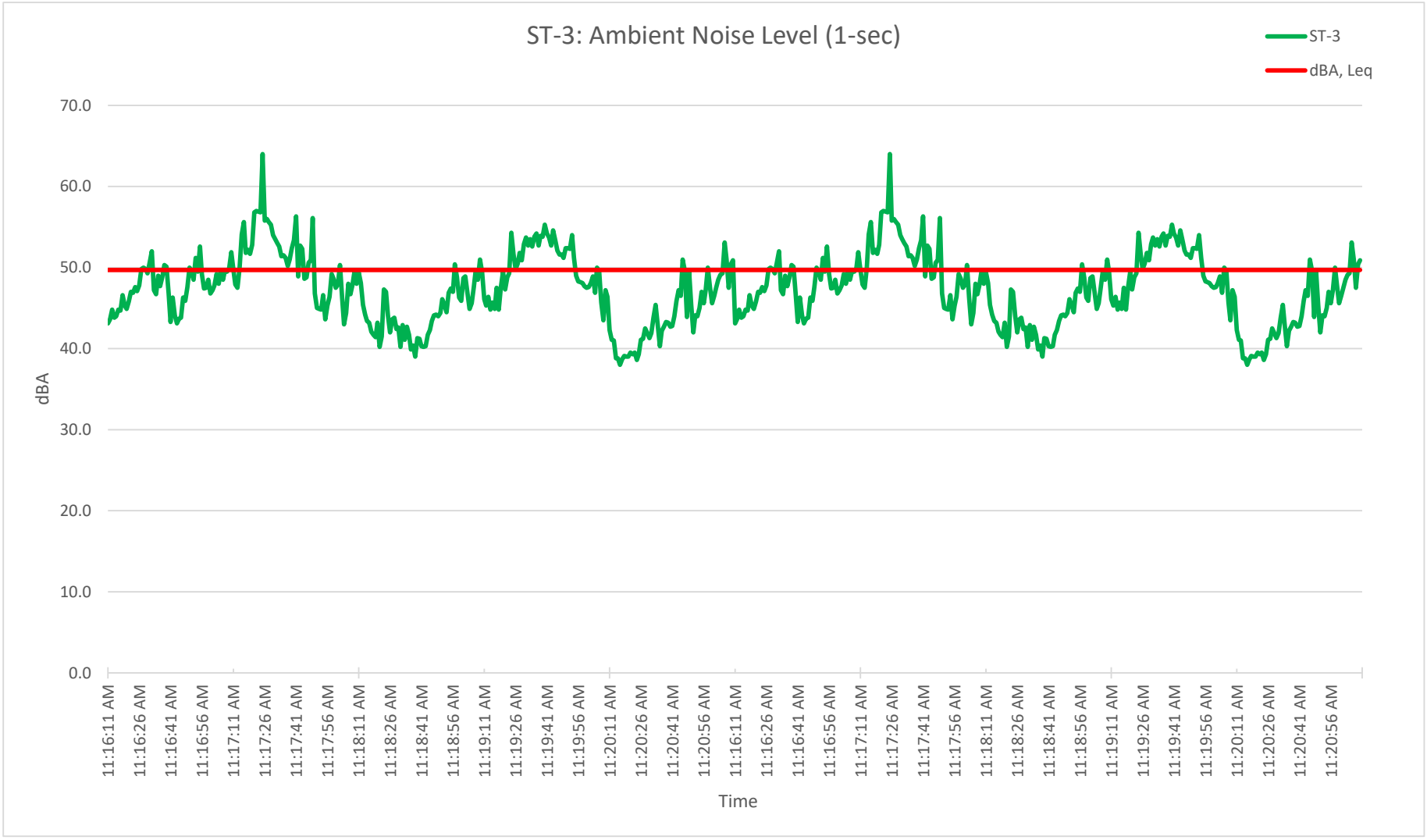
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-3



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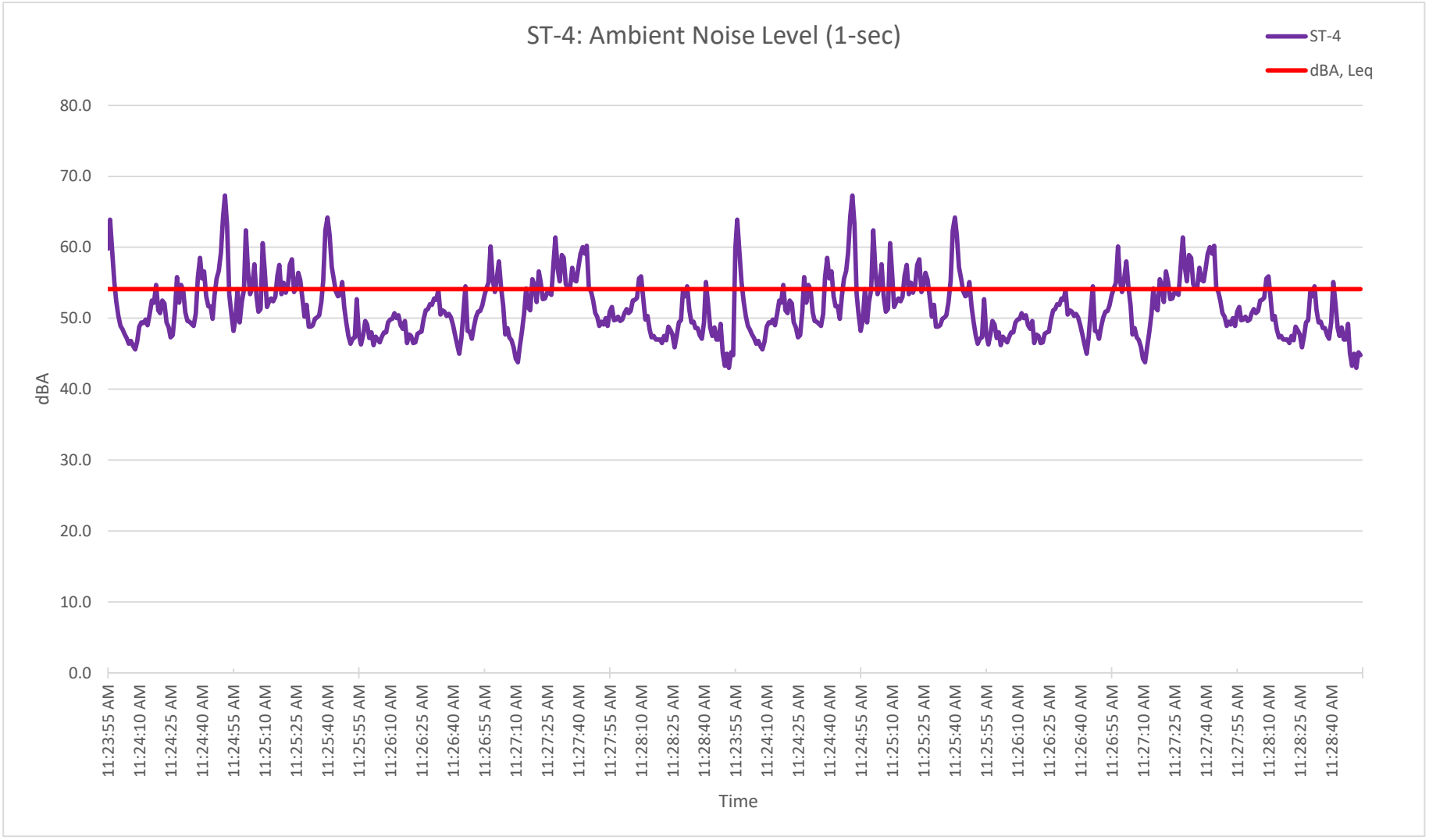
Simi Valley, CA 93065

Noise Measurement Datasheet - Cont.

Project: Residental Construction
Site Address/Location: Compton Ave. and S Dwight Ave
Site ID: ST-4



Appendix B:

Traffic Data

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -EXISTING
LOCATION: 1ST FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,357	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,536	

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		45
RECEIVER HEIGHT =		5.0
WALL DISTANCE FROM RECEIVER		5
PAD ELEVATION =		0.5
ROADWAY VIEW:	LF ANGLE=	-90
	RT ANGLE=	90
	DF ANGLE=	180

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	50.12	- -
MEDIUM TRUCKS	4.0	50.02	- -
HEAVY TRUCKS	8.0	50.06	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.3	57.3	65.9	66.5
MEDIUM TRUCKS	59.5	58.0	51.6	50.1	58.5	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.5	66.7	63.8	58.9	67.4	67.9

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.3	57.3	65.9	66.5
MEDIUM TRUCKS	59.5	58.0	51.6	50.1	58.5	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.5	66.7	63.8	58.9	67.4	67.9

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	36	78	169	363
LDN	34	73	157	338

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -EXISTING
LOCATION: 2ND FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,357	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,536	

RECEIVER INPUT DATA

RECEIVER DISTANCE =	50	
DIST C/L TO WALL =	45	
RECEIVER HEIGHT =	15.0	
WALL DISTANCE FROM RECEIVER	5	
PAD ELEVATION =	0.5	
ROADWAY VIEW: LF ANGLE=	-90	
RT ANGLE=	90	
DF ANGLE=	180	

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	51.79	- -
MEDIUM TRUCKS	4.0	51.31	- -
HEAVY TRUCKS	8.0	50.56	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.1	57.0	65.7	66.3
MEDIUM TRUCKS	59.3	57.8	51.4	49.9	58.3	58.6
HEAVY TRUCKS	60.7	59.2	50.2	51.4	59.8	59.9
NOISE LEVELS (dBA)	68.3	66.5	63.6	58.7	67.3	67.7

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.1	57.0	65.7	66.3
MEDIUM TRUCKS	59.3	57.8	51.4	49.9	58.3	58.6
HEAVY TRUCKS	60.7	59.2	50.2	51.4	59.8	59.9
NOISE LEVELS (dBA)	68.3	66.5	63.6	58.7	67.3	67.7

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	35	76	164	353
LDN	33	71	152	328

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -E+P
LOCATION: 1ST FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,796	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,580	

RECEIVER INPUT DATA

RECEIVER DISTANCE =	50	
DIST C/L TO WALL =	45	
RECEIVER HEIGHT =	5.0	
WALL DISTANCE FROM RECEIVER	5	
PAD ELEVATION =	0.5	
ROADWAY VIEW: LF ANGLE=	-90	
RT ANGLE=	90	
DF ANGLE=	180	

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	50.12	- -
MEDIUM TRUCKS	4.0	50.02	- -
HEAVY TRUCKS	8.0	50.06	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.4	57.3	65.9	66.6
MEDIUM TRUCKS	59.5	58.0	51.7	50.1	58.6	58.8
HEAVY TRUCKS	60.8	59.4	50.3	51.6	59.9	60.1
NOISE LEVELS (dBA)	68.6	66.8	63.9	59.0	67.5	68.0

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	67.0	65.1	63.4	57.3	65.9	66.6
MEDIUM TRUCKS	59.5	58.0	51.7	50.1	58.6	58.8
HEAVY TRUCKS	60.8	59.4	50.3	51.6	59.9	60.1
NOISE LEVELS (dBA)	68.6	66.8	63.9	59.0	67.5	68.0

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	37	79	171	367
LDN	34	74	158	341

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

PROJECT: ACOUSTICAL STUDY
ROADWAY: COMPTON BLVD - LOS D -E+P
LOCATION: 2ND FLOOR FACADE

JOB #: 0163-21-01
DATE: 23-Feb-21
ENGINEER: M. Dickerson

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	25,796	
SPEED =	35	
PK HR % =	10	
NEAR LANE/FAR LANE DIS	0	
ROAD ELEVATION =	0.0	
GRADE =	1.0	%
PK HR VOL =	2,580	

RECEIVER INPUT DATA

RECEIVER DISTANCE =	50	
DIST C/L TO WALL =	45	
RECEIVER HEIGHT =	15.0	
WALL DISTANCE FROM RECEIVER	5	
PAD ELEVATION =	0.5	
ROADWAY VIEW: LF ANGLE=	-90	
RT ANGLE=	90	
DF ANGLE=	180	

SITE CONDITIONS

AUTOMOBILES =	15	
MEDIUM TRUCKS =	15	(10 = HARD SITE, 15 = SOFT SITE)
HEAVY TRUCKS =	15	

WALL INFORMATION

HTH WALL:	0.0	
AMBIENT=	0.0	
BARRIER =	0	(0 = WALL, 1 = BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVENING	NIGHT	DAILY
AUTOMOBILES	0.775	0.129	0.096	0.9742
MEDIUM TRUCK	0.848	0.049	0.103	0.0184
HEAVY TRUCKS	0.865	0.027	0.108	0.0074

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES	2.0	51.79	- -
MEDIUM TRUCKS	4.0	51.31	- -
HEAVY TRUCKS	8.0	50.56	0.00

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.2	57.1	65.7	66.3
MEDIUM TRUCKS	59.4	57.9	51.5	50.0	58.4	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.4	66.6	63.7	58.8	67.3	67.8

NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.8	64.9	63.2	57.1	65.7	66.3
MEDIUM TRUCKS	59.4	57.9	51.5	50.0	58.4	58.7
HEAVY TRUCKS	60.7	59.3	50.3	51.5	59.9	60.0
NOISE LEVELS (dBA)	68.4	66.6	63.7	58.8	67.3	67.8

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	36	77	166	357
LDN	33	72	154	332

Appendix C:

Construction Noise Modeling Output

Grading — L_{Max} at 180 feet dBA

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor[1]	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA) Lmax	Calculated (dBA) Leq	Energy
1	Grader	86	1	40	180	0.5	0	72.1	68.1	6475953.76
2	Dozer	85	1	40	180	0.5	0	71.1	67.1	5144032.92
3	Excavator	86	1	40	180	0.5	0	72.1	68.1	6475953.76
4	Tractor/Backhoe	80	3	40	180	0.5	0	70.9	66.9	4880058.12
							Lmax*	**75**	**Leq**	**74**
							Lw	**104**	**Lw**	**105**

Source: MD Acoustics, May. 2019.

1- Percentage of time that a piece of equipment is operating at full power.

dBA – A-weighted Decibels

Lmax- Maximum Level

Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding LeqdBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	15.2	0.5	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59
60	18.3	0.5	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57
70	21.3	0.5	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55
80	24.4	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
90	27.4	0.5	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
100	30.5	0.5	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
110	33.5	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
120	36.6	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
130	39.6	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
140	42.7	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
150	45.7	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
160	48.8	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
170	51.8	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
180	54.9	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
190	57.9	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
200	61.0	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
210	64.0	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
220	67.1	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
230	70.1	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
240	73.1	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
250	76.2	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
260	79.2	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
270	82.3	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
280	85.3	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
290	88.4	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
300	91.4	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
310	94.5	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
320	97.5	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
330	100.6	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
340	103.6	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
350	106.7	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
360	109.7	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
370	112.8	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37

Building Construction L_{Max} **at 180 feet dBA**

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor[1]	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA) Lmax	Calculated (dBA) Leq	Energy
1	Cranes	82	1	40	180	0.5	0	68.1	64.1	2578123.63
2	Forklift/Tractor	80	3	40	180	0.5	0	70.9	66.9	4880058.12
3	Generator	80	1	40	180	0.5	0	66.1	62.1	1626686.04
4	Tractor/Backhoe	80	3	40	180	0.5	0	70.9	66.9	4880058.12
							Lmax*	**73**	**Leq**	**71**
							Lw	**104**	**Lw**	**103**

Source: MD Acoustics, May. 2019.
1- Percentage of time that a piece of equipment is operating at full power.
dBA – A-weighted Decibels
Lmax- Maximum Level
Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding LeqdBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	**15.2**	**0.5**	**71**	**70**	**69**	**68**	**67**	**66**	**65**	**64**	**63**	**62**	**61**	**60**	**59**	**58**	**57**	**56**
60	18.3	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
70	21.3	0.5	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53
80	24.4	0.5	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
90	27.4	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
100	30.5	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
110	33.5	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	**49**	48
120	36.6	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
130	39.6	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
140	42.7	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
150	45.7	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
160	48.8	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
170	51.8	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
180	54.9	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
190	57.9	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
200	61.0	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
210	64.0	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
220	67.1	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
230	70.1	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
240	73.1	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
250	76.2	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
260	79.2	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
270	82.3	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
280	85.3	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
290	88.4	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
300	91.4	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
310	94.5	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
320	97.5	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
330	100.6	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
340	103.6	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
350	106.7	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
360	109.7	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
370	112.8	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35

Paving

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor[1]	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA) Lmax	Calculated (dBA) Leq	Energy
1	Pavers	86	2	40	180	0.5	0	75.1	71.1	12951907.5
2	Rollers	80	2	40	180	0.5	0	69.1	65.1	3253372.08
3	Paving Equipment	80	2	40	180	0.5	0	69.1	65.1	3253372.08
							Lmax*	**76**	**Leq**	**73**
							Lw	**108**	**Lw**	**105**

Source: MD Acoustics, May. 2019.
1- Percentage of time that a piece of equipment is operating at full power.
dBA – A-weighted Decibels
Lmax- Maximum Level
Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding LeqdBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	**15.2**	**0.5**	**73**	**72**	**71**	**70**	**69**	**68**	**67**	**66**	**65**	**64**	**63**	**62**	**61**	**60**	**59**	**58**
60	18.3	0.5	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56
70	21.3	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
80	24.4	0.5	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53
90	27.4	0.5	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
100	30.5	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
110	33.5	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	**50**	49
120	36.6	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
130	39.6	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
140	42.7	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
150	45.7	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
160	48.8	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
170	51.8	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
180	54.9	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
190	57.9	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
200	61.0	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
210	64.0	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
220	67.1	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
230	70.1	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
240	73.1	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
250	76.2	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
260	79.2	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
270	82.3	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
280	85.3	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
290	88.4	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
300	91.4	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
310	94.5	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
320	97.5	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
330	100.6	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
340	103.6	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
350	106.7	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
360	109.7	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
370	112.8	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36

VIBRATION LEVEL IMPACT

Project:	Compton Residential	Date: 2/23/21
Source:	Large Bulldozer	
Scenario:	Unmitigated	
Location:	Project Site	
Address:		

PPV = PPVref(25/D)^n (in/sec)

DATA INPUT

Equipment = Type	2	Large Bulldozer	INPUT SECTION IN BLUE
PPVref =	0.089	Reference PPV (in/sec) at 25 ft.	
D =	50.00	Distance from Equipment to Receiver (ft)	
n =	1.10	Vibration attenuation rate through the ground	

Note: Based on reference equations from Vibration Guidance Manual, California Department of Transportation, 2006, pgs 38-43.

DATA OUT RESULTS

PPV =	**0.042**	IN/SEC	OUTPUT IN RED

Preliminary Low Impact Development (LID) Plan

Prepared for:
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Kim Prijatel
(949) 258-7555

Property:
TTM 82807
APN 6161-001-902
930 W. Compton Boulevard
Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Philip Malcomson, P.E.

Preparation Date: August 2019
Revised: March 2021

Receipt of WDID

REPLACE THIS SHEET

To be provided prior to final approval

Notice of Intent

REPLACE THIS SHEET

To be provided prior to final approval

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Project Owner's Certification of the Preliminary Low Impact Development (LID) Plan

Project Name: ***Concord***

Project Number: **Tentative Tract Map No. 82807**
APN 6161-001-902

Project Address: **930 W. Compton Boulevard**
Compton, CA 90220

This Preliminary Low Impact Development (LID) Plan for the ***Concord*** (***TM 82807)*** project has been prepared for City Ventures by C&V Consulting, Inc. It is intended to comply with the requirements of the City of Compton's Conditions of Approval.

The undersigned is authorized to approve implementation of provisions of this plan as appropriate, and will strive to have the plan carried out by successors consistent with the County of Los Angeles LID Manual and the intent of the NPDES storm water requirements.

"I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner's Name:	Kim Prijatel		
Owner's Title:	Vice President of Development		
Company:	City Ventures		
Address:	3121 Michelson Drive, Suite 150, Irvine, CA 92612		
Email:	kprijatel@cityventures.com		
Telephone No.:	(949) 258-7555		
Signature:		Date:	

Engineer Certification

Engineer's Name:	Philip Malcomson		
Engineer's Title:	President		
Company:	C&V Consulting, Inc.		
Address:	9830 Irvine Center Drive, Irvine, CA 92618		
Email:	pmalcomson@cvc-inc.net		
Telephone No.	(949) 916-3800		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2012-0175, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature		Date	
Place Stamp Here			

Section 200

A. Contact Information/List of Responsible Parties

The property contact information is:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

The property owner shall have primary responsibility and significant authority for the implementation, maintenance, and inspection of the property BMPs. Duties of the Owner include but are not limited to:

- Implementing all elements of the LID, including but not limited to:
  - Implementation of prompt and effective erosion and sediment control measures
  - Implementing all non-storm water management, and materials and waste management activities, such as: monitoring, discharges, general site clean-up; vehicle and equipment cleaning, spill control; good construction housekeeping to ensure that no materials other than storm water are discharged which may have an adverse effect on receiving waters or storm drain systems, etc.
- Pre-storm inspections
- Storm event inspections
- Post-storm inspections
- Routine inspections as described in the LID
- Ensuring elimination of all unauthorized discharges
- The Owner shall be assigned authority to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate all of the necessary corrections/repairs are made immediately, and that the project complies with the LID at all times.
- Managing and report any Illicit Connections or Illegal Discharges.

Section 300

A. References

The following documents are made a part of this LID by reference:

- Project plans and specifications for the City of Compton to support the ***Concord (TM 82807)*** project, prepared by C&V Consulting, Inc., 9830 Irvine Center Drive, Irvine, CA 92618.

- County of Los Angeles Department of Public Works, Low Impact Development Standards Manual dated February 2014

- State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

- California Stormwater BMP Handbook – Construction, January 2009.

- California Stormwater BMP Handbook – New Development and Redevelopment, January 2003.

- Los Angeles County Municipal Stormwater/ NPDES Permit Order R4-2012-0175

Section 400 – Body of LID

A. Objectives

This Low Impact Development (LID) Plan has four main objectives:

1) Identify all pollutant sources, including sources of sediment that may affect the quality of storm water discharges associated with daily use / activity (storm water discharges) from the property site.
2) Identify non-storm water discharges.
3) Identify, construct, implement and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the property site.
4) Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants.

B. Project Background and Description

The proposed project is located at 930 W. Compton Boulevard in the City of Compton, California and consists of approximately 2.45 acres. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west. The project proposes to construct eight buildings of 60 residential units with private garages, private drive aisles, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along W. 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open-space areas.

The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 99% for the existing condition of the site per LACPW Hydrology Manual. Proposed condition coverage is assumed to be 86% impervious based on land use per Hydrology Manual.

C. Vicinity Map

The site is located at 930 W. Compton Avenue off of the I-110 freeway in the City of Compton, County of Los Angeles. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west.

Refer to Figure 1 for the Vicinity Map.

D. Existing Site Drainage Condition

The existing site is relatively flat with elevations ranging between approximately 81 feet and 85 feet above mean sea level. Generally, the existing site drainage surface flows overland in the northeasterly direction and overflows into the rights-of-way of W. Compton Boulevard and S. Kemp Avenue. Within the public rights-of-way, drainage is captured by existing catch basins within W. Compton Boulevard and S. Kemp Avenue and conveyed to an existing Los Angeles County Flood Control District (LACFCD) 66" Reinforced Concrete storm drain facility within W. Compton Boulevard which outlets to the existing Compton Creek. Compton Creek flows in the southeasterly direction and outlets to the existing Los Angeles River which ultimately drains to the Pacific Ocean at San Pedro Bay. Water bodies downstream of the project site are listed on the most current 303 (d) List as follows:

- Compton Creek
    - Benthic-Macroinvertebrate Bioassessments
    - Coliform Bacteria
    - Copper
    - Lead
    - pH
    - Trash
- Los Angeles River
    - Ammonia
    - Cadmium
    - Coliform Bacteria
    - Dissolved Copper
    - Cyanide
    - Diazinon
    - Lead
    - Nutrients (Algae)
    - pH
    - Trash
    - Dissolved Zinc
- San Pedro Bay
    - Chlordane

All facilities downstream of the project site are engineered, therefore the project is exempt from Hydromodification Control requirements.

E. Proposed Site Drainage Conditions

The proposed development site comprises a total of 2.45 acres. The proposed site consists of 60 residential units with private garages, a private drive aisle, sidewalks, guest parking areas, and associated landscaping.

Proposed drainage will be directed as sheet flow overland and through a series of area drains towards proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to discharging to the existing LACFCD 66" storm drain within W. Compton Boulevard. The proposed area drain system will collect surface runoff within landscaped and backyard areas and convey flows directly to the proposed MWS Biofiltration Vaults via proposed underground storm drain. Street surface flows will be conveyed via proposed curb and gutter towards two (2) proposed curb-inlet catch basins located along the private drive aisle. The proposed catch basins will be equipped with a Dvert system designed to divert low flows to the proposed MWS Biofiltration Vaults. Treated stormwater will be conveyed via proposed underground storm drain to proposed underground detention systems which will be outflow controlled to mitigate peak discharge to the existing LACFCD storm drain within W. Compton Boulevard. During larger storm events and when the MWS Biofiltration Vaults are at capacity, the Dvert system within the catch basins and an internal bypass within the MWS Biofiltration Vaults will allow for high flows to bypass treatment and flow directly to the proposed detention systems via the proposed storm drain system. Drainage from the site will be conveyed from the detention system to the existing LACFCD 66" storm drain at two (2) points of connection. Upon discharging to the existing LACFCD storm drain, site runoff will follow the historic drainage pattern.

Refer to Figure 2, BMP Exhibit for additional information.

F. LID Project Types, Characteristics, & Activities

Per the Los Angeles Department of Public Works (LACDPW), *Low Impact Development Standards Manual*, dated February 2014, the proposed project is classified as a "Designated Project." A "Designated Project" is defined by the LACDPW as follows:

> "Redevelopment projects, which are developments that result in creation or addition or replacement of either: (1) 5,000 square feet or more of impervious surface on a site that was previously developed as described in the above bullets; or (2) 10,000 square feet or more of impervious surface area on a site that was previous developed as a single family home."

G. Pollutant Source Identification and BMP Selection

The following is a list of materials to be used in the daily construction activities at the project site, which will potentially contribute to pollutants, other than sediment, to storm water runoff. Control Practices for each activity are identified below:

- Vehicle fluids, including oil, grease, petroleum, and coolants from personal vehicles
- Landscaping materials and wastes (topsoil, plant materials, herbicides, fertilizers, mulch, pesticides)
- General trash debris and litter
- Pet waste (bacteria/ fecal coliforms)

The Best Management Practices (BMPs) that have been selected for implementation on this project are detailed in the following sections.

H. Source Control BMPs

Project proponents shall implement Site Design concepts that achieve each of the following:

- Minimize Urban Runoff
- Minimize Impervious Footprint
- Conserve Natural Areas
- Minimize Directly Connected Impervious Areas (DCIAs)

Table-1 identifies the source control and treatment BMPs and how each is implemented to achieve each Site Design concept. BMP fact sheets are provided by the LACDPW *Low Impact Development Standards Manual* and the California Stormwater Quality Association.

Table-1: Source Control BMPs

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Non-Structural Source Control BMPs:			
	Education for Leasers', Operators, Occupants, or Employees	X		
	Activity Restrictions (CC&Rs)	X		
S-8	Landscape Irrigation Practices	X		
	Common Area Litter Control	X		
SE-7	Street Sweeping Private Streets and Parking Lots	X		

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Drainage Facility Inspection and Maintenance	X		
	Structural Source Control BMPs:			
S-1	Storm Drain Message and Signage	X		
S-8	Landscape Irrigation Practices	X		
SD-11	Roof Runoff Controls	X		
	Protect Slopes and Channels		X	No proposed slopes and channels
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed car wash racks
	Proper Site Design:			
S-7	Fuel and Maintenance Area		X	No proposed fueling areas
SD-33	Air/Water Supply Area Drainage		X	No proposed air/water supply
S-3	Outdoor Trash Storage and Waste Handling Area		X	No proposed waste handling areas
S-4	Outdoor Loading/ Unloading Dock Area		X	No proposed loading/unloading dock areas
S-5	Outdoor Vehicle/Equipment Repair/Maintenance Area		X	No proposed maintenance bays
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed wash areas
S-2	Outdoor Material Storage Area		X	No proposed material storage areas
SD-36	Outdoor Work Areas or Processing Areas		X	No proposed outdoor work areas
	Provide Wash Water Controls for Food Preparation Areas		X	No proposed food preparation areas

Non-Structural Measures

Non-structural BMPs are generally managerial, educational, inspection and/ or maintenance oriented. These items consist of educating employees and occupants, developing and implementing HOA guidelines, implementing BMPs and enforcing Code requirements. Non-structural BMPs used for this project are summarized below:

Education for Employees and Occupants

Practical informational materials will be provided to homeowners, HOA and employees on general good housekeeping practices that contribute to protection of storm water quality. Among other things, these materials will describe the use of chemicals (including household type) that should be limited to the property, with no discharge of specified wastes via hosing or other direct discharge to gutters, catch basins and storm drains. Initially, the Owner will provide these materials. Thereafter, such materials will be available through the HOA education program.

This program must be maintained, enforced, and updated periodically by the HOA. Educational materials including, but not limited to, the materials included in the Appendix F of this plan will be made available to the employees and contractors of the HOA.

Activity Restrictions

Activities on this site will be limited to activities related to residential living. The project's Conditions, Covenants, and Restrictions (CC&Rs) will outline the activities that are restricted on the property. Such activities related to the LID include car washing, car maintenance and disposal of used motor fluids, pet waste cleanup, and trash container areas.

Efficient Landscape System & Landscape Maintenance

Management programs will be designed and established by the HOA, who will maintain the common areas within the project site. These programs will include how to mitigate the potential dangers of fertilizer and pesticide usage (refer to the Maintenance and Frequency Table). Ongoing maintenance will be consistent with the State of California Model- Water Efficient Landscape Ordinance. Fertilizer and pesticide usage shall be consistent with County Management Guidelines for use of Fertilizers and Pesticides.

Street Sweeping in Private Streets and Parking Lots

The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

Drainage Facility Inspection & Maintenance

The HOA will be responsible for implementing each of the BMPs detailed in this plan. The HOA will also be responsible for cleaning and maintaining the BMPs on a regular basis. Refer to Appendix G for the Operation and Maintenance Plan. Refer to Appendix C for site specific drainage BMP information.

Storm Drain Stenciling/ Signage
Phrase "No Dumping – Drains to Ocean" or equally effective phrase to be stenciled on catch basins to alert the public to the destination of pollutants discharged into storm water. This stenciling will be inspected and re-stenciled on a periodic basis by the HOA. Refer to Table 4 for maintenance frequency.

Landscape & Irrigation System Design
As part of the design of all common area landscape irrigation shall employ water conservation principals, including, but not limited to, such provisions as water sensors, programmable irrigation times (for short cycles), etc. will be used. Such common areas will be maintained by the HOA.

Common Area Litter Control
The HOA must implement trash management and litter control procedures in common areas aimed at reducing pollution of drainage water. The HOA may contract a landscape maintenance company to provide this service during regularly scheduled maintenance which will consist of litter patrol and noting trash disposal violations and reporting the violations to the HOA for investigation.

Title 22 CC&R Compliance
The HOA will comply with this Regulation as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Uniform Fire Code Implementation
The HOA will comply with this Code as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Employee Training
A training program will be established as it would apply to future employees, contractors, and homeowners of the HOA to inform and train in maintenance activities regarding the impact of dumping oil, paints, solvents, or other potentially harmful chemicals into storm drains; the proper use of fertilizers and pesticides in landscaping maintenance practices; and the impacts of littering and improper water disposal.

The HOA (or a hired firm) will conduct the training program which will include targeted training sessions with specific construction disciplines (landscaping, concrete finishers, painters, etc.). See Appendix F for examples of educational materials that will be provided to the Employees.

The project's CC&Rs will include provisions for future employee training programs conducted on a yearly based prior to the rainy season.

I. Structural BMPs

Structural BMPs shall be installed by the developer, through the construction and development of the project, for instance; landscaping and irrigation systems shall be designed by licensed landscape architects and installed by qualified contractors to specifications and standards of the City of Compton. The structural BMPs used for this project are summarized below:

Expected pollutants associated with this development include vehicle discharge fluids, landscaping materials and waste, litter, and pet waste. To mitigate these pollutants, the structural best management practices summarized below.

Table-2: Design BMPs

BMP	TECHNIQUE	INCLUDED? YES	INCLUDED? NO	BRIEF DESCRIPTION OF METHOD
SD-10	Minimize Impervious Area/Maximize Permeability (C-Factor Reduction)	X		We have incorporated landscape areas wherever possible within the project site. See Appendix B for details.
	Minimize Directly Connected Impervious Areas (DCIAs) (C-Factor Reduction)	X		We minimize DCIAs by limiting sidewalks and parking areas to the minimum necessary for proper use. Stepping stones are used in areas with minimal foot traffic.
	Create Reduced or "Zero Discharge" Areas (Runoff Volume Reduction)	X		The entire SWQDV will be infiltrated, resulting in an overall runoff volume reduction.

Table-3: Treatment BMPs

BMP	NAME	INCLUDED?		IF NOT APPLICABLE, STATE BRIEF REASON
		YES	NO	
VEG-5	Vegetated Filter Strip		X	Alternative BMP selected
VEG-4	Vegetated Swale		X	Space not available for BMP
MP-40	Media Filter		X	Alternative BMP selected
MP-52	Drain Inserts		X	Alternative BMP selected
T-3	Extended Detention Basin		X	Alternative BMP selected
T-4	Wet Pond		X	Alternative BMP selected
T-2	Constructed Wetland		X	Alternative BMP selected
T-1	Sand Filter		X	Alternative BMP selected
RET-5	Permeable Pavement without an Underdrain		X	Alternative BMP selected
RET-2	Infiltration Basin		X	Alternative BMP selected
RET-3	Infiltration Trench		X	Alternative BMP selected
TC-40	Media Filter		X	Alternative BMP selected
BIO-1	Biofiltration	X		MWS Biofiltration Vaults will be utilized in the proposed development.

Biofiltration: Modular Wetlands System, Biofiltration Units

Modular Wetland System (MWS) Biofiltration Vaults will be utilized to capture and treat the stormwater runoff prior to leaving the site. MWS utilizes a 3-phase treatment train by conveying stormwater runoff through a pre-treatment chamber, planting or "Wetland" chamber and discharge chamber. Treated stormwater will be discharged into the proposed underground storm drain system which connects directly to the an existing LACFCD 66" storm drain system within W. Compton Boulevard.

Based on the grading and drainage design, the site will be divided into two (2) Drainage Management Areas (DMA) and utilize two (2) MWS Biofiltration Vaults to provide treatment of stormwater runoff. The design flowrate and treatment capacity for each DMA are as follows:

Drainage Management Area (DMA)	Size (ac)	Peak Flow Rate (cfs)*	Peak Flow Rate x 1.5 (cfs)	MWS Model	MWS HGL Height (ft)	Treatment Capacity (cfs)
1	1.085	0.237	0.356	MWS-L-8-16-V	3.4	0.462
2	1.365	0.298	0.447	MWS-L-8-16-V	3.4	0.462
Total	2.45	0.535	0.803	-		0.924

*Los Angeles County Department of Public Works (LACDPW) HydroCalc Software was utilized to calculate peak flowrates. The governing flowrate between the 0.75-inch storm event and the 85th Percentile storm event was utilized for design. Refer to Appendix A for HydroCalc outputs.

The proposed site will generate a total design flowrate of approximately 0.535 cfs. After multiplying this value by a factor of 1.5, the required treatment flowrate equals 0.803 cfs. The MWS Biofiltration Vaults provide a total treatment capacity of approximately 0.924 cfs and therefore provide more than enough treatment for the proposed development. The MWS systems will address the pollutants of concern associated with the development type. Refer to Appendix C for more information on MWS Biofiltration Vaults.

Catch Basin Inspection

The HOA will maintain the drainage systems, including catch basins and culverts. The HOA is required to have catch basins inspected and, if necessary, cleaned prior to the storm season, no later than October 15th each year or prior to the first 24-hour storm event, whichever occurs first. These duties may be contracted out to the landscape maintenance firm hired by the HOA. Please see Appendix E for maintenance program. Refer to Appendix G for the Operation and Maintenance Plan.

Runoff-Minimizing Landscape Design

As part of the design of all common area landscape areas, similar planting material with similar water requirements will be used in order to reduce excess irrigation runoff and promote surface filtration. Such common areas will be maintained by the HOA.

Community Car Wash Racks
No community car wash rack or area will be provided, therefore, vehicle washing by residents on the property will not be allowed per the CC&Rs.

Self-Contained Washing
Self-contained washing of vehicles by residents or owners on the property will not be allowed per the CC&Rs.

Outdoor Material Storage Areas
Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Outdoor Storage by residents or owners on the property will not be allowed per the CC&Rs.

J. BMP Maintenance, Inspection, and Repair

Inspections will be conducted as follows:

- Annually and prior to the start of the rainy season
- Every (1) month during rainy season
- At any other time(s) or intervals of time specified in the contract documents

Repairs and/ or maintenance procedures shall be carried out at the soonest possible time.

K. Inspection, Maintenance, and Responsibility for BMPs

Table-4 and Table-5 show the lists of the post-construction BMPs (routine non-structural and structural), the required ongoing maintenance, the inspection and maintenance frequency, the inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection.

Table-4: Non-Structural BMP Maintenance Responsibility/Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Homeowner/ Business owner Education, Activity Restrictions	HOA will provide educational materials. Those materials and responsibilities must be passed onto subsequent property owners.	Continuous. CC&Rs to be provided to homeowners at the time they purchase the property and updates provided by the HOA as they occur.
Common Area Landscape Management	HOA will appoint a landscape maintenance contractor	Monthly during regular maintenance and use with management guidelines for use of fertilizers and pesticides.
Parking Areas and Drive Aisle Management	HOA	The Drives Aisles are to be swept on a routine scheduled basis to facilitate the pickup of trash and debris (plant or otherwise) and to remove excessive oil, grease and build-up. During sweeping, debris is to be removed from the parking areas and drives and then scrubbed and rinsed. This sweeping schedule will be at a minimum occurrence of once a week and as necessary to rid / reduce active pollutants from the pavement areas. This maintenance requirement will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the final Title report of these properties.
Litter Control by Sweeping	HOA	Weekly inspection of trash receptacles to ensure that lids are closed and pick up any excess trash on the ground, noting trash disposal violations to the HOA for remediation.
Employee Training	HOA	Monthly for maintenance personnel and employees to include the educational materials contained in the approved LID.
Common Area Catch Basin Inspection & Cleaning	HOA will appoint a landscape maintenance contractor for common areas and storm drain facilities.	Inspect basins once a month. Clean debris and silt in bottom of catch basins as needed. Intensified on or about October 15th each year or prior to the first 24-hour storm event, whichever occurs first. Refer to Appendix E.

Table-5: Structural BMP Maintenance Responsibility/ Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Common Area Efficient Irrigation	HOA will appoint a landscape contractor after construction	Once a week, in conjunction with maintenance activities. Verify that runoff minimizing landscape design continues to function by checking that water sensors are functioning properly, that irrigation heads are adjusted properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year, weather and day or night time temperatures.
Common Area Runoff Efficient Landscape Design	HOA will appoint a landscaping contractor	Once a week in conjunction with maintenance activities and prior to finalizing any replanting schemes. Verify that plants continue to be grouped according to similar water requirements in order to reduce excess irrigation runoff.
Modular Wetlands System (MWS) Biofiltration Vaults	HOA	MWS Biofiltration Vaults maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C

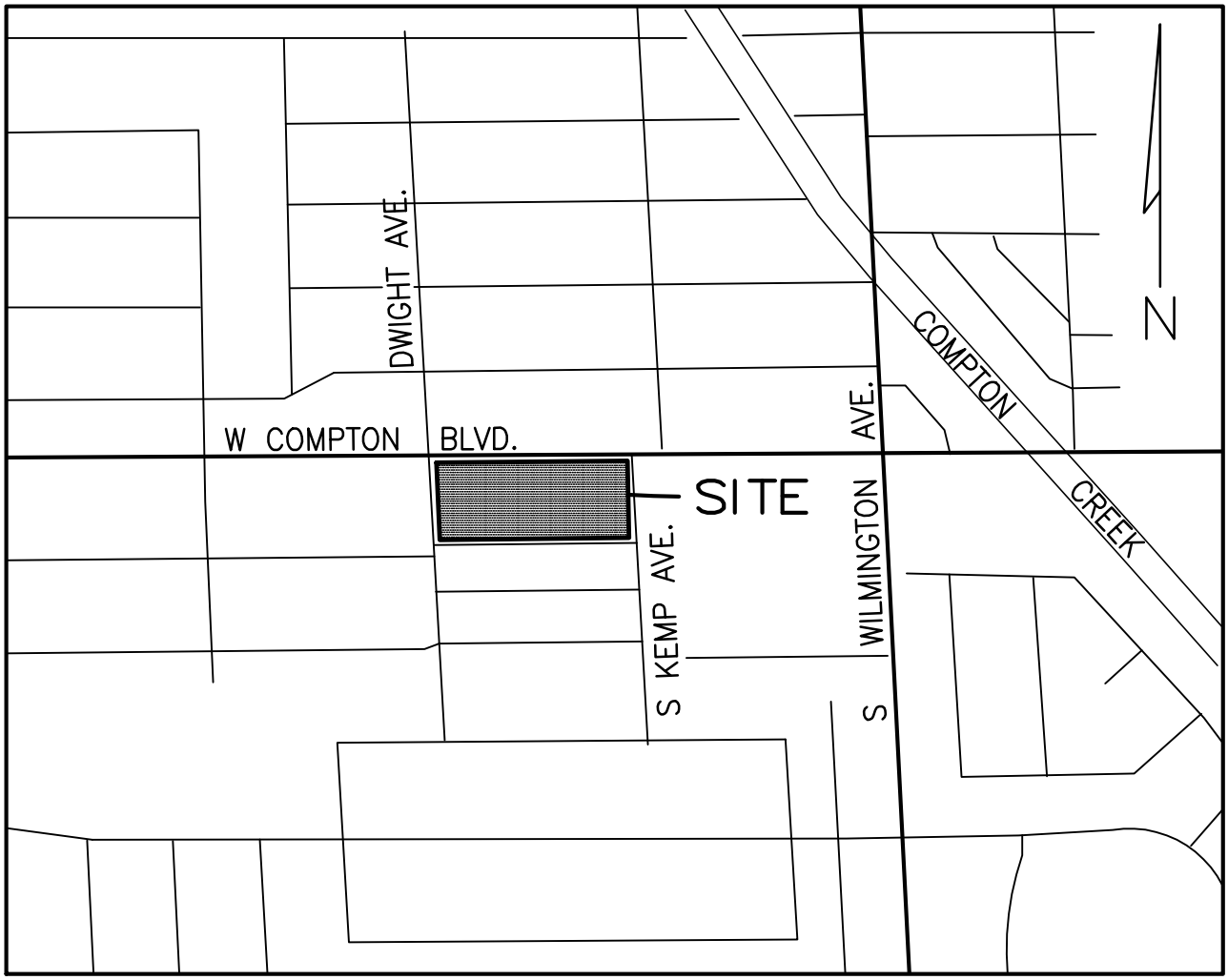
L. Operation/Maintenance Funding after Project Completion

The post-construction BMPs as described above will be funded and maintained by:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Maintenance and requirements of the maintenance for the properties will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project and will be the responsibility of the property owner at all times. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the Title report of these properties.

Figure 1:
Project Vicinity Map



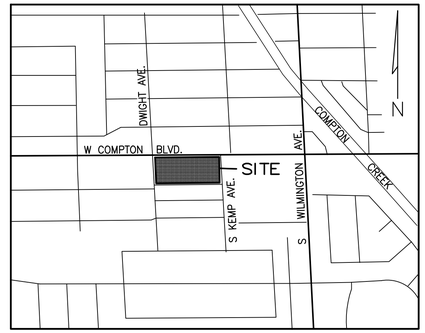
930 W. COMPTON BOULEVARD
COMPTON, CA 90220

Figure 2:
BMP Exhibit

PRELIMINARY BMP EXHIBIT

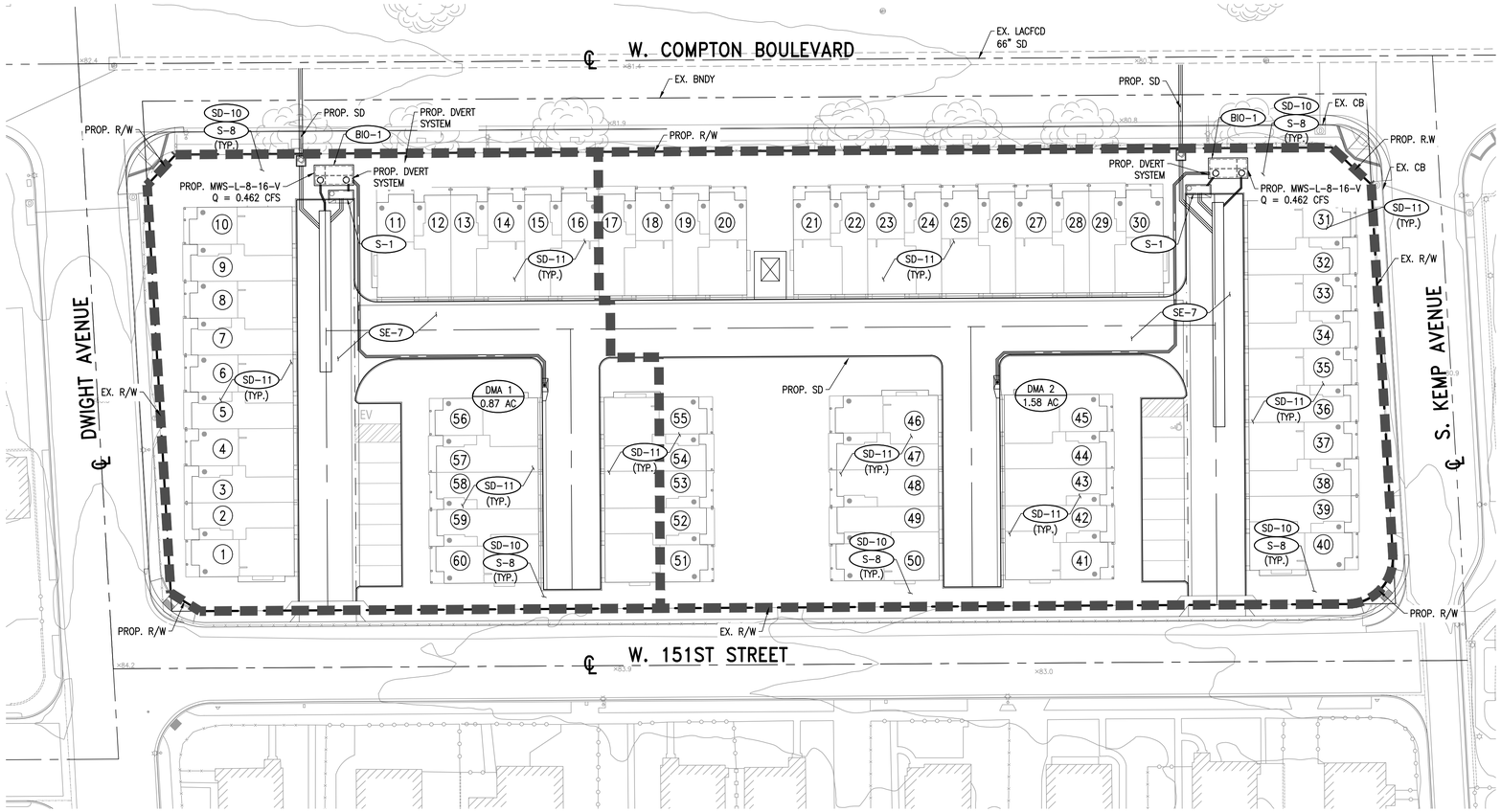
930 W. COMPTON BOULEVARD

CITY OF COMPTON, COUNTY OF LOS ANGELES



VICINITY MAP

NTS



LEGEND

- EXISTING BOUNDARY
- PROPOSED RIGHT-OF-WAY/ BOUNDARY
- PROPOSED STORM DRAIN
- DRAINAGE FLOW ARROWS
- DRAINAGE MANAGEMENT AREA (DMA)
- DMA X / X.XXX — DMA ID / DMA ACREAGE

BEST MANGEMENT PRACTICES (BMPS)

- S-1 STORM DRAIN SIGNAGE
- S-8 LANDSCAPE IRRIGATION PRACTICES
- SD-10 SITE DESIGN & LANDSCAPE PLANNING
- SD-11 ROOF RUNOFF CONTROLS
- SE-7 STREET SWEEPING & VACUUMING
- BIO-1 BIOFILTRATION UNIT (MWS)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

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930 W. Compton Blvd.
Compton, CA

Figure 3:
Impaired Waters

COUNTY OF LOS ANGELES

BALLONA CREEK & OTHER URBAN WATERSHEDS

Ballona Creek and other Urban Watersheds

LEGEND

- BALLONA CREEK & OTHER URBAN WATERSHED
- UNINCORPORATED AREA
- DAM / LAKE / RESERVOIR
- MAJOR RIVER
- MAJOR CHANNEL

Data contained in this map is produced in whole or part from the Los Angeles County Department of Public Works' digital database.

REF: \\pwgisd02\mpmgis$\MPMGIS\projects\mpm\gismaps\wk_2627\ballonacreeketc_wtrsheds.mxd DATE: 08/22/07

Mapping & Property Management Division, Mapping & GIS Services Section

Appendix A:
Volume and Infiltration Calculations & Hydrologic Report

The proposed development was analyzed for the 0.75-in storm event and the 85th Percentile storm event using the LACDPW HydroCalc software. The governing peak flowrate between the two storm events was utilized for design. In accordance with the LA County BMP Design Manual, a factor of 1.5 was applied to obtain the design flowrate. Below is a summary of the HydroCalc outputs:

DMA	85th Percentile Storm ✓		0.75-in Storm		Governing Flowrate (cfs)	Flowrate x 1.5 (cfs)
	Volume (cf)	Flowrate (cfs)	Volume (cf)	Flowrate (cfs)		
1	2678	0.237	2308	0.195	0.237	0.356
2	3369	0.298	2904	0.245	0.298	0.447

Refer to LACDPW HydroCalc Output Data within this Appendix for Volume and Flowrate Calculations.

Peak Flow Hydrologic Analysis

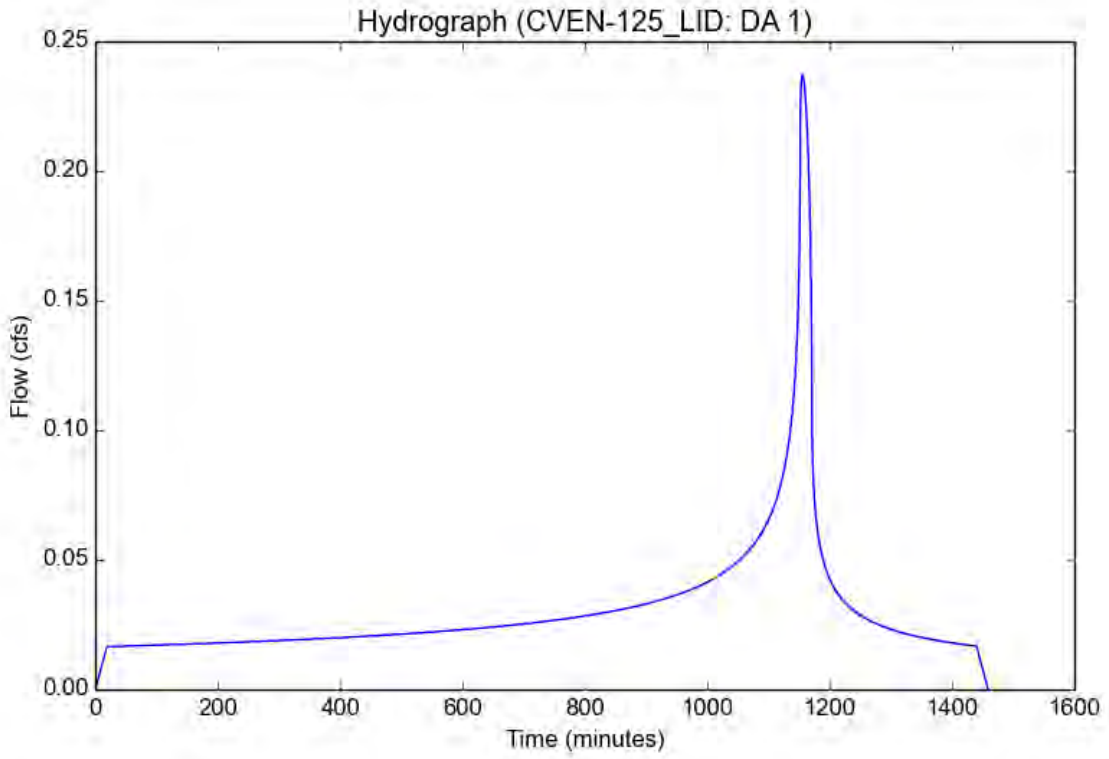
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.237
Burned Peak Flow Rate (cfs)	0.237
24-Hr Clear Runoff Volume (ac-ft)	0.0615
24-Hr Clear Runoff Volume (cu-ft)	2677.8096



Peak Flow Hydrologic Analysis

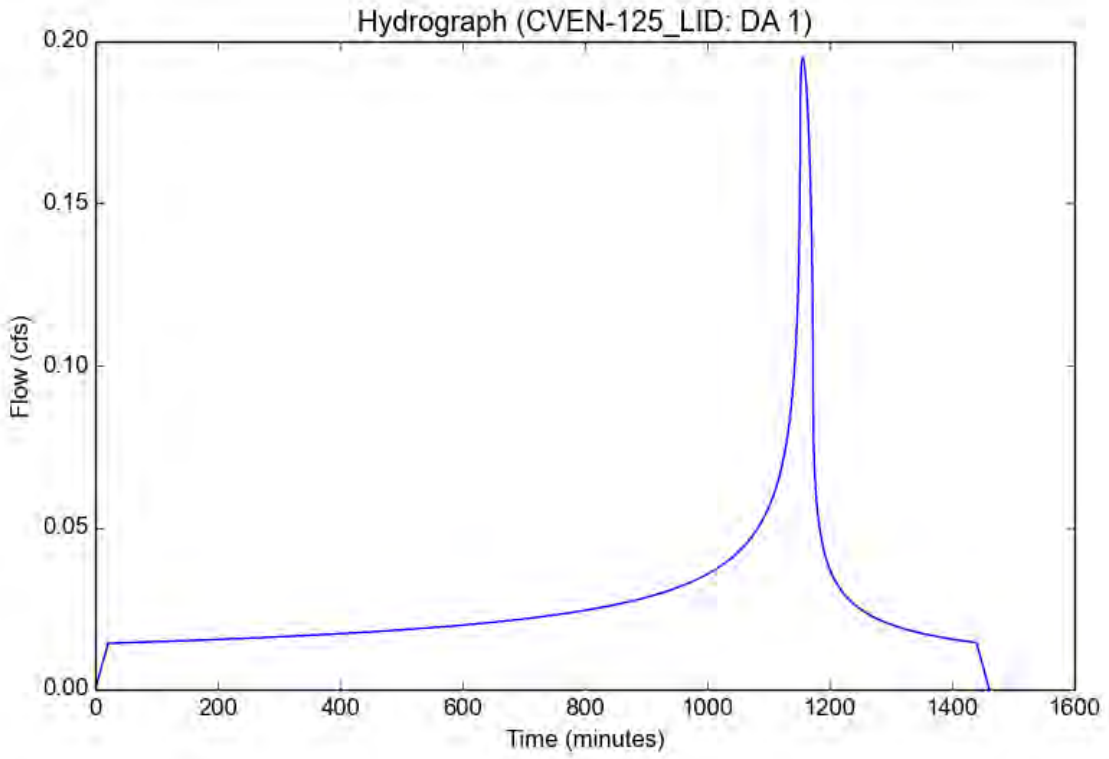
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.1949
Burned Peak Flow Rate (cfs)	0.1949
24-Hr Clear Runoff Volume (ac-ft)	0.053
24-Hr Clear Runoff Volume (cu-ft)	2308.4589



Peak Flow Hydrologic Analysis

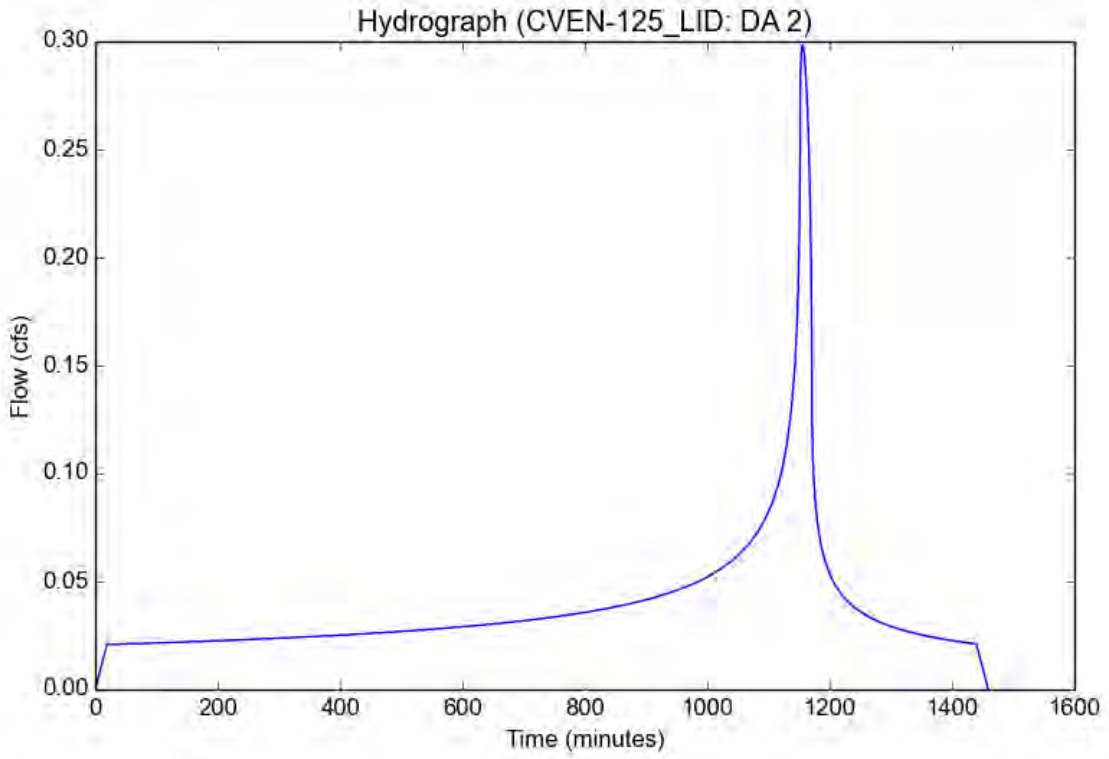
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.2981
Burned Peak Flow Rate (cfs)	0.2981
24-Hr Clear Runoff Volume (ac-ft)	0.0773
24-Hr Clear Runoff Volume (cu-ft)	3368.8572



Peak Flow Hydrologic Analysis

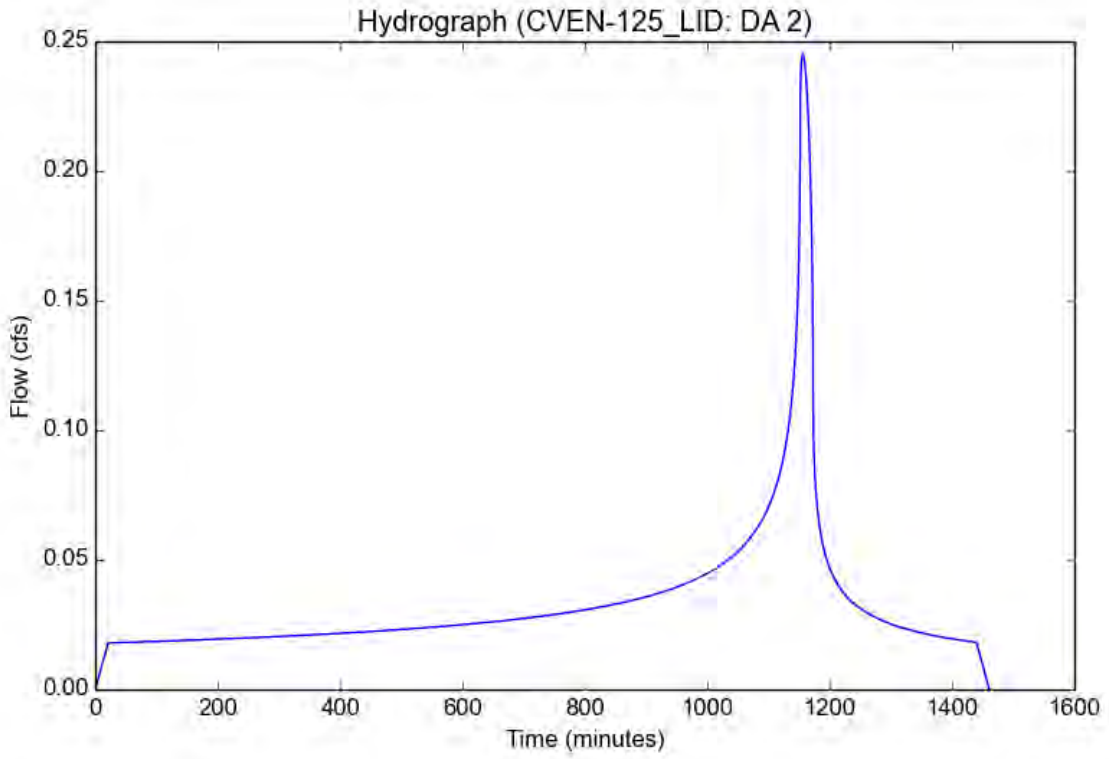
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.2452
Burned Peak Flow Rate (cfs)	0.2452
24-Hr Clear Runoff Volume (ac-ft)	0.0667
24-Hr Clear Runoff Volume (cu-ft)	2904.1902



Appendix B:
Site BMPs

S-1: Storm Drain Message and Signage

Purpose

Waste material dumped into storm drain inlets can adversely impact surface and ground waters. In fact, any material discharged into the storm drain system has the potential to significantly impact downstream receiving waters. Storm drain messages have become a popular method of alerting and reminding the public about the effects of and the prohibitions against waste disposal into the storm drain system. The signs are typically stenciled or affixed near the storm drain inlet or catch basin. The message simply informs the public that dumping of wastes into storm drain inlets is prohibited and/or that the drain ultimately discharges into receiving waters.

General Guidance

- The signs must be placed so they are easily visible to the public.
- Be aware that signs placed on sidewalk will be worn by foot traffic.

Design Specifications

- Signs with language and/or graphical icons that prohibit illegal dumping, must be posted at designated public access points along channels and streams within the project area. Consult with Los Angeles County Department of Public Works (LACDPW) staff to determine specific signage requirements for channels and streams.
- Storm drain message markers, placards, concrete stamps, or stenciled language/icons (e.g., “No Dumping – Drains to the Ocean”) are required at all storm drain inlets and catch basins within the project area to discourage illegal or inadvertent dumping. Signs should be placed in clear sight facing anyone approaching the storm drain inlet or catch basin from either side (see Figure D-1 and Figure D-2). LACDPW staff should be contacted to determine specific requirements for types of signs and methods of application. A stencil can be purchased for a nominal fee from LACDPW Building and Safety Office by calling (626) 458-3171. All storm drain inlet and catch basin locations must be identified on the project site map.

Maintenance Requirements

Legibility and visibility of markers and signs should be maintained (e.g., signs should be repainted or replaced as necessary). If required by LACDPW, the owner/operator or homeowner’s association shall enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards and signs.

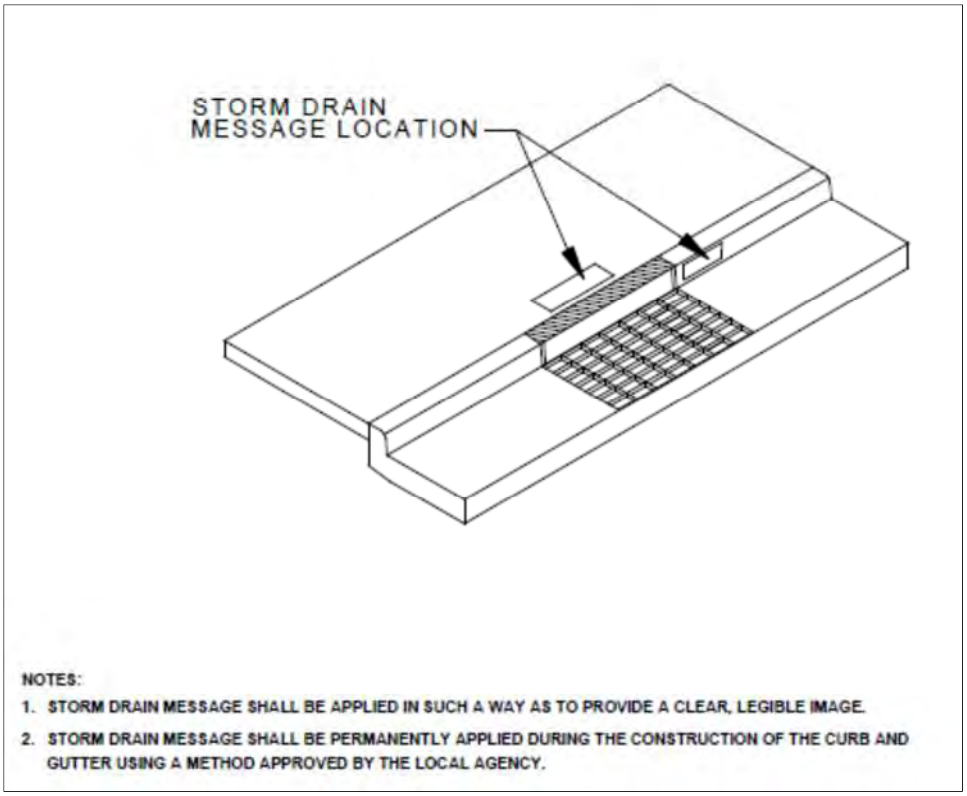


Figure D-1. Storm Drain Message Location – Curb Type Inlet

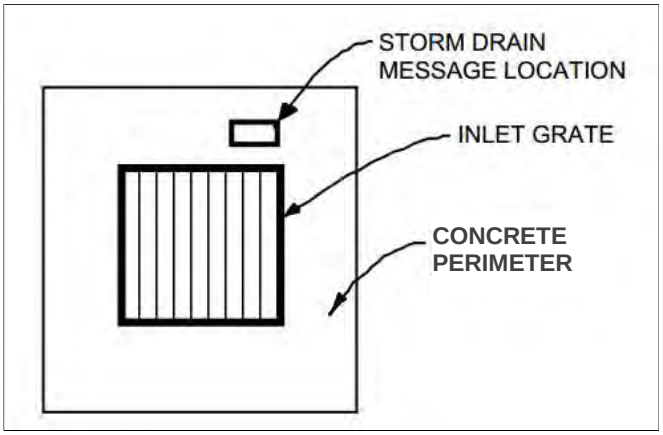


Figure D-2. Storm Drain Message Location – Catch Basin/Area Type Inlet

S-8: Landscape Irrigation Practices

Purpose

Irrigation runoff provides a pathway for pollutants (i.e., nutrients, bacteria, organics, sediment) to enter the storm drain system. By effectively irrigating, less runoff is produced resulting in less potential for pollutants to enter the storm drain system.

General Guidance

- Do not allow irrigation runoff from the landscaped area to drain directly to storm drain system.
- Minimize use of fertilizer, pesticides, and herbicides on landscaped areas.
- Plan sites with sufficient landscaped area and dispersal capacity (e.g., ability to receive irrigation water without generating runoff).
- Consult a landscape professional regarding appropriate plants, fertilizer, mulching applications, and irrigation requirements (if any) to ensure healthy vegetation growth.

Design Specifications

- Choose plants that minimize the need for fertilizer and pesticides.
- Group plants with similar water requirements and water accordingly.
- Use mulch to minimize evaporation and erosion.
- Include a vegetative boundary around project site to act as a filter.
- Design the irrigation system to only water areas that need it.
- Install an approved subsurface drip, pop-up, or other irrigation system.[1] The irrigation system should employ effective energy dissipation and uniform flow spreading methods to prevent erosion and facilitate efficient dispersion.
- Install rain sensors to shut off the irrigation system during and after storm events.
- Include pressure sensors to shut off flow-through system in case of sudden pressure drop. A sudden pressure drop may indicate a broken irrigation head or water line.
- If the hydraulic conductivity in the soil is not sufficient for the necessary water application rate, implement soil amendments to avoid potential geotechnical hazards (i.e., liquefaction, landslide, collapsible soils, and expansive soils).

[1] If alternative distribution systems (e.g., spray irrigation) are approved, the County will establish guidelines to implement these new systems.

- For sites located on or within 50 feet of a steep slope (15% or greater), do not irrigate landscape within three days of a storm event to avoid potential geotechnical instability.[2]
- Implement Integrated Pest Management practices.

For additional guidelines and requirements, refer to the Los Angeles County Department of Health Services.

Maintenance Requirements

Maintain irrigation areas to remove trash and debris and loose vegetation. Rehabilitate areas of bare soil. If a rain or pressure sensor is installed, it should be checked periodically to ensure proper function. Inspect and maintain irrigation equipment and components to ensure proper functionality. Clean equipment as necessary to prevent algae growth and vector breeding. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

[2] As determined by the City of Los Angeles, Building and Safety Division

Site Design & Landscape Planning SD-10

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

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Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11

Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Street Sweeping and Vacuuming SE-7

Objectives

EC	Erosion Control	
SE	Sediment Control	☒
TR	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Objective**

☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.
- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

BIO-1: Biofiltration

Definition

A biofiltration area is a vegetated shallow depression that is designed to receive and treat stormwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow ponding zone is provided above the vegetated surface for temporary storage of stormwater runoff. During storm events, stormwater runoff accumulates in the ponding zone and gradually infiltrates the surface and filters through the biofiltration soil media before being collected by an underdrain system.

Stormwater runoff treatment occurs through a variety of natural mechanisms as stormwater runoff filters through the vegetation root zone. In biofiltration areas, microbes and organic material in the biofiltration soil media help promote the adsorption of pollutants (e.g., dissolved metals and petroleum hydrocarbons) into the soil matrix. Plants utilize soil moisture and promote the drying of the soil through transpiration. Biofiltration areas are typically planted with native, drought-tolerant plant species that do not require fertilization and can withstand wet soils for at least 96 hours.

A schematic of a typical biofiltration area is presented in Figure E-7.

LID Ordinance Requirements

Biofiltration can be used as an alternative compliance measure.

Pollutant of Concern	Treated by Biofiltration?
Suspended solids	No
Total phosphorus	No
Total nitrogen	Yes
Total Kjeldahl nitrogen	Yes
Cadmium, total	No
Chromium, total	Yes
Copper, total	No
Lead, total	Yes
Zinc, total	No

Source: Treatment Best Management Practices Performance, Los Angeles Regional Water Quality Control Board, December 9, 2013.

Advantages

- Has a low cost for installation
- Enhances site aesthetics
- Requires little maintenance

Disadvantages

- May require individual owner/tenants to perform maintenance

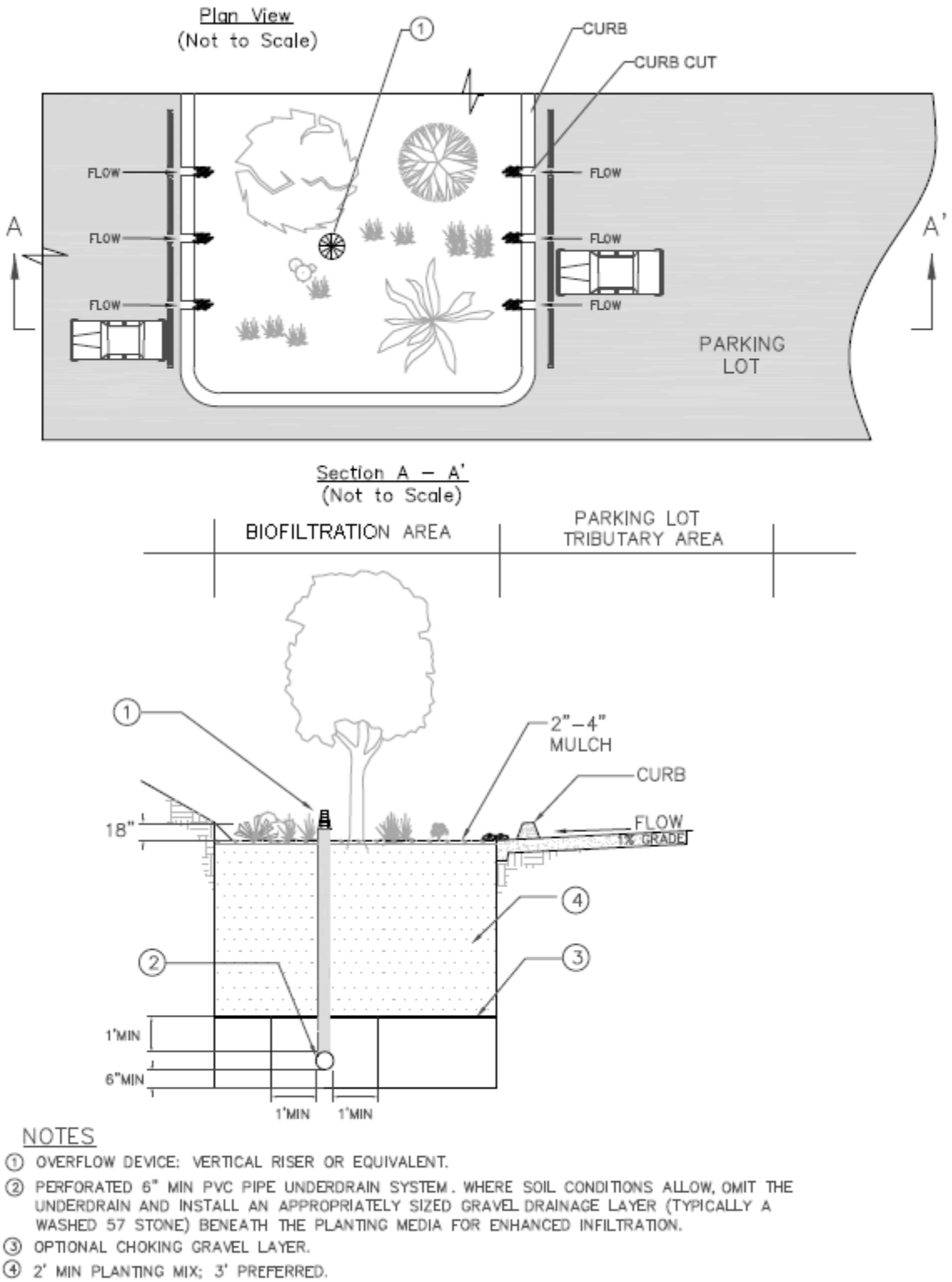


Figure E-7. Biofiltration Area Schematic

General Constraints and Implementation Considerations

- Biofiltration areas can be applied in various settings including, but not limited to:
  - Individual lots for rooftop, driveway, and other on-site impervious surface
  - Shared facilities located in common areas for individual lots
  - Areas within loop roads or cul-de-sacs
  - Landscaped parking lot islands
  - Within right-of-ways along roads
  - Common landscaped areas in apartment complexes or other multi-family housing designs
  - Parks and along open space perimeter
- If tire curbs are provided and parking stalls are shortened, cars are allowed to overhang the biofiltration area.
- Biofiltration areas must be located sufficiently far from structure foundations to avoid damage to structures (as determined by a certified structural or geotechnical engineer).
- Any parking areas bordering the biofiltration area must be monolithically poured concrete or deepended curb concrete to provide structural stability to the adjacent parking section.
- Geomembrane liners must be used in areas subject to spills or pollutant hot spots.
- During construction activities should avoid compaction of native soils below planting media layer or gravel zone.
- Stormwater runoff must be diverted around the biofiltration area during the period of vegetation establishment. If diversion is not feasible, the graded and seeded areas must be protected with suitable sediment controls (i.e., silt fences).All damaged areas should be repaired, seeded, or re-planted immediately.
- The general landscape irrigation system should incorporate the biofiltration area, as applicable.

Design Specifications

The following sections describe the design specifications for biofiltration areas.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for biofiltration. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the

groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of a biofiltration area. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning biofiltration system.

Biofiltration areas are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for a biofiltration area and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering a biofiltration area in order to maintain the infiltration rate of the biofiltration area. To ensure that biofiltration areas are effective, the project applicant must incorporate pretreatment devices that provide sediment removal (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices). The use of at least two pretreatment devices is highly recommended for biofiltration areas.

Geometry

- Biofiltration areas must be sized to capture and treat 1.5 times the SWQDv that is not reliably retained on the project site with an 18-inch maximum ponding depth.
- The planting soil depth must be a minimum of two feet, although three feet is preferred. The planting soil depth should provide a beneficial root zone for the chosen vegetation and adequate water storage for the stormwater runoff. A deeper planting soil depth will also provide a smaller surface area footprint.
- A gravel storage layer below the biofiltration area soil media is required to provide adequate temporary storage to retain 1.5 times the SWQDv that is not reliably retained on the project site and to promote infiltration.

Sizing

Biofiltration areas are sized using a simple sizing method where 1.5 times the SWQDv that is not reliably retained on the project site must be completely filtered within 96 hours. If the incoming stormwater runoff flow rate is lower than the long term filtration rate, above ground storage does not need to be provided. If the incoming stormwater runoff flow rate is higher than the long term filtration rate, above ground storage shall be provided (see steps below).

Step 1: Calculate the design volume

Biofiltration areas should be sized to capture and treat 1.5 times the portion of the SWQDv (see Section 6 for SWQDv calculation procedures) that is not reliability retained on the project site, as calculated by the equation below:

$$V_B = 1.5 \times (SWQDv - V_R)$$

Where:

V_B = Biofiltration volume [ft^3];
SWQDv = Stormwater quality design volume [ft^3]; and
V_R = Volume of stormwater runoff reliably retained on-site [ft^3].

Step 2: Calculate the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Select a surface ponding depth (d) that satisfies the geometric criteria and meets the site constraints. Selecting a deeper ponding depth (up to 1.5 ft) generally yields a smaller footprint, however, it will require greater consideration for public safety, energy dissipation, and plant selection.

Calculate the time for the selected ponding depth to filter through the planting media using the following equation:

$$\mathrm{d} = t_p \times \frac{\mathrm{f_{design}}}{12}$$

Where:

d = Ponding depth (max 1.5 ft) [ft];
t_p = Required detention time for surface ponding (max 96 hr) [hr]; and
f_{design} = Design infiltration rate [in/hr].

If t_p exceeds 96 hours, reduce surface ponding depth (d). In nearly all cases, t_p should not approach 96 hours unless f_{design} is low.

Calculate the required infiltrating surface (filter bottom area) using the following equation:

$$A = \frac{V_B}{d}$$

Where:

A = Bottom surface area of biofiltration area [ft^2];
V_B = Biofiltration design volume [ft^3]; and
d = Ponding depth (max 1.5 ft) [ft].

Flow Entrance and Energy Dissipation

Maintain a minimum slope of 1 percent for pervious surfaces and 0.5 percent for impervious surfaces to the biofiltration area inlet. The following types of flow entrance can be used for biofiltration cells:

- Level spreaders (i.e., slotted curbs) can be used to facilitate sheet flow.
- Dispersed, low velocity flow across a landscape area. Dispersed flow may not be possible given space limitations or if the biofiltration area is controlling roadway or parking lot flows where curbs are mandatory.
- Dispersed flow across pavement or gravel and past wheel stops for parking areas.
- Flow spreading trench around perimeter of biofiltration area. May be filled with pea gravel or vegetated with 3:1 side slopes similar to a swale. A vertical-walled open trench may also be used at the discretion of LACDPW.
- Curb cuts for roadside or parking lot areas, if approved by LACDPW: curb cuts should include rock or other erosion controls in the channel entrance to dissipate energy. Flow entrance should drop two to three inches from curb line and provide an area for settling and periodic removal of sediment and coarse material before flow dissipates to the remainder of the biofiltration area.
- Piped entrances, such as roof downspouts, should include rock, splash blocks, or other erosion controls at the entrance to dissipate energy and disperse flows.
- Woody plants (trees, shrubs, etc.) can restrict or concentrate flows and can be damaged by erosion around the root ball and must not be placed directly in the entrance flow path.

Drainage

Biofiltration areas must be designed to drain below the planting soil in less than 96 hours. Soils must be allowed to dry out periodically in order to restore hydraulic capacity to receive stormwater runoff from subsequent storm events, maintain infiltration rates, maintain adequate soil oxygen levels for healthy soil biota and vegetation, and provide proper soil conditions for biodegradation and retention of pollutants.

Underdrain

Biofiltration areas require an underdrain to collect and discharge stormwater runoff that has been filtered through the soil media, but not infiltrated, to another stormwater quality control measure, storm drain system, or receiving water. The underdrain must have a mainline diameter of eight inches using slotted PVC SDR 26 or PVC C9000. Slotted PVC allows for pressure water cleaning and root cutting, if necessary. The slotted pipe

should have two to four rows of slots cut perpendicular to the axis of the pipe or at right angles to the pitch of corrugations. Slots should be 0.04 to 0.1 inches wide with a length of 1 to 1.25 inches. Slots should be longitudinally-spaced such that the pipe has a minimum of one square inch opening per lineal foot and should face down.

The underdrain should be placed in a gravel envelope (Class 2 Permeable Material per Caltrans Spec. 68-1.025) that measures three feet wide and six inches deep. The underdrain is elevated from the bottom of the biofiltration area by six inches within the gravel envelope to create a fluctuating anaerobic/aerobic zone below the underdrain to facilitate denitrification within the anaerobic/anoxic zone and reduce nutrient concentrations. The top and sides of the underdrain pipe should be covered with gravel to a minimum depth of 12 inches. The underdrain and gravel envelope should be covered with a geomembrane liner to prevent clogging. The following aggregate should be used for the gravel envelope:

Particle Size (ASTM D422)	% Passing by Weight
¾ inch	100%
¼ inch	30-60%
#8	20-50%
#50	3-12%
#200	0-1%

Underdrains should be sloped at a minimum of 0.5 percent and must drain freely to an approved discharge point.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter should be connected to the underdrain to provide a clean-out port as well as an observation well to monitor drainage rates. The wells/clean-outs should be connected to the perforated underdrain with the appropriate manufactured connections. The wells/clean-outs should extend six inches above the top elevation of the biofiltration area mulch, and should be capped with a lockable screw cap. The ends of underdrain pipes not terminating in an observation well/clean-out should also be capped.

Hydraulic Restriction Layer

Lateral infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent waterproofing, may be placed along the vertical walls to reduce lateral flows. This geomembrane liner must have a minimum thickness of 30 mils and meet the requirements of Table E-12. Generally, waterproof barriers should not be placed on the bottom of the biofiltration unit, as this would prevent incidental infiltration which is important to meeting the required pollutant load reduction.

Table E-12. Geomembrane Liner Specifications for Biofiltration Areas

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Planting/Storage Media

- The planting media placed in the biofiltration area should achieve a long-term, in-place infiltration rate of at least 5 in/hr. Higher infiltration rates of up to 12 in/hr are permissible. The biofiltration soil media must retain sufficient moisture to support vigorous plant growth.
- The planting media mix must consist of 60 to 80 percent sand and 20 to 40 percent compost.
- Sand should be free of wood, waste, coatings such as clay, stone dust, carbonate, or any other deleterious material. All aggregate passing the No. 200 sieve size should be non-plastic. Sand for biofiltration should be analyzed by an accredited laboratory using #200, #100, #40, #30, #16, #8, #4, and 3/8 sieves (ASTM D422 or as approved by the local permitting authority) and meet the following gradations (Note: all sand complying with ASTM C33 for fine aggregate comply with the gradation requirements listed below):

Particle Size (ASTM D422)	% Passing by Weight
3/8 inch	100%
#4	90-100%
#8	70-100%
#16	40-95%
#30	15-70%
#40	5-55%
#110	0-15%
#200	0-5%

Note: The gradation of the sand component of the biofiltration soil media is believed to be a major factor in the infiltration rate of the media mix. If the desired hydraulic conductivity of the biofiltration soil media cannot be achieved within the specified proportions of sand and compost (#2), then it may be necessary to utilize sand at the coarser end of the range specified minimum percent passing.

- Compost should be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes, or other organic material not including manure or biosolids meeting standards developed by the USCC. The product shall be certified through the USCC STA Program (a compost testing and information disclosure program). Compost quality shall be verified via a laboratory analysis to be:
    - Feedstock materials must be specified and include one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
    - pH between 6.5 and 8.0 (may vary with plant palette)
    - Organic Matter: 35 to 75 percent dry weight basis
    - Carbon and Nitrogen Ratio: 15:1 < C:N < 25:1
    - Maturity/Stability: Compost must have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120°F) upon delivery or rewetting is not acceptable.
    - Toxicity: any one of the following measures is sufficient to indicate non-toxicity:
        - NH_4:NH_3 < 3
        - Ammonium < 500 ppm, dry weight basis
        - Seed germination > 80 percent of control
        - Plant trials > 80 percent of control
        - Solvita® > 5 index value
    - Nutrient content:
        - Total Nitrogen content ≥ 0.9 percent preferred
        - Total Boron should be < 80 ppm; soluble boron < 2.5 ppm
    - Salinity: < 6.0 mmhos/cm
    - Compost for biofiltration area should be analyzed by an accredited laboratory using #200, ¼-inch, ½-inch, and 1-inch sieves (ASTM D422) and meet the gradation requirements in the table below:

Particle Size (ASTM D422)	% Passing by Weight
1 inch	99-100
½ inch	90-100
¼ inch	40-90
#200	2-10

Tests should be sufficiently recent to represent the actual material that is anticipated to be delivered to the site. If processes or sources used by the supplier have changed significantly since the most recent testing, new tests should be requested.

The gradation of compost used in biofiltration soil media is believed to play an important role in the saturated infiltration rate of the media. To achieve a higher saturated infiltration rate, it may be necessary to utilize compost at the coarser end of the range (minimum percent passing). The percent passing the #200 sieve (fines) is believed to be the most important factor in hydraulic conductivity.

In addition, coarser compost mix provides more heterogeneity of the biofiltration soil media, which is believed to be advantageous for more rapid development of soil structure needed to support healthy biological processes. This may be an advantage for plant establishment with lower nutrient and water input.

- Biofiltration soil media not meeting the above criteria should be evaluated on a case-by-case basis. Alternative biofiltration soil media must meet the following specifications:

  "Soils for biofiltration facilities must be sufficiently permeable to infiltrate stormwater runoff at a minimum of rate of 5 in/hr during the life of the facility, and provide sufficient retention of moisture and nutrients to support healthy vegetation." The following steps shall be followed by LACDPW to verify that alternative biofiltration soil media mixes meet the specification:

  - Submittals – The applicant must submit to LACDPW for approval:
    - A sample of mixed biofiltration soil media.
    - Certification from the soil supplier or an accredited laboratory that the biofiltration soil media meets the requirements of this specification.
    - Certification from an accredited geotechnical testing laboratory that the biofiltration soil media has an infiltration rate between 5 and 12 in/hr.
    - Organic content test results of the biofiltration soil media. Organic content test shall be performed in accordance with the Testing Methods for the Examination of Compost and Composting (TMECC) 05.07A, "Loss-On-Ignition Organic Matter Method".
    - Organic grain size analysis results of mixed biofiltration soil media performed in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
    - A description of the equipment and methods used to mix the sand and compost to produce the biofiltration soil media.
  - The name of the testing laboratory(ies) and the following information:

- Contact person(s)
- Address(es)
- Phone contact(s)
- E-mail address(es)
- Qualifications of laboratory(ies) and personnel including date of current certification by STA, ASTM, or approved equal.

o Biofiltration soils shall be analyzed by an accredited laboratory using #200 and ½-inch sieves (ASTM D422 or as approved by LACDPW), and meet the gradation described in the table below:

Particle Size (ASTM D422)	% Passing by Weight
½ inch	97-100
#200	2-5

- Biofiltration soil media shall be analyzed by an accredited geotechnical laboratory for the following tests:
  - o Moisture – density relationships (compaction tests) must be conducted on biofiltration soil media. Biofiltration soil media for the permeability test shall be compacted to 85 to 90 percent of the maximum dry density (ASTM D1557).
  - o Constant head permeability testing in accordance with ASTM D2434 shall be conducted on a minimum of two samples with a 6-inch mold and vacuum saturation.
- Mulch is recommended for the purpose of retaining moisture, preventing erosion, and minimizing weed growth. Projects subject to the California Model Water Efficiency Landscaping Ordinance (or comparable local ordinance) will be required to provide at least 2 inches of mulch. Aged mulch, also called compost mulch, reduces the ability of weeds to establish, keeps soil moist, and replenishes soil nutrients. Biofiltration areas must be covered with two to four inches (average three inches) of mulch at the start and an annual placement (preferably in June after weeding) of one to two inches of mulch beneath plants.
- The planting media design height must be marked appropriately, such as a collar on the overflow device or with a stake inserted two feet into the planting media and notched, to show biofiltration surface level and ponding level.

Vegetation

Prior to installation, a licensed landscape architect must certify that all plants, unless otherwise specifically permitted, conform to the standards of the current edition of American Standard for Nursery Stock as approved by the American Standards Institute, Inc. All plant grades shall be those established in the current edition of American Standards for Nursery Stock.

- Shade trees must have a single main trunk. Trunks must be free of branches below the following heights:

CALIPER (in)	Height (ft)
1½-2½	5
3	6

- Plants must be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 96 hours.
- It is recommended that a minimum of three types of tree, shrubs, and/or herbaceous groundcover species be incorporated to protect against facility failure due to disease and insect infestations of a single species.
- Native plant species and/or hardy cultivars that are not invasive and do not require chemical inputs must be used to the maximum extent practicable.

The biofiltration area should be vegetated to resemble a terrestrial forest community ecosystem, which is dominated by understory trees, a shrub layer, and herbaceous ground cover. Select vegetation that:

- Is suited to well-drained soil;
- Will be dense and strong enough to stay upright, even in flowing water;
- Has minimum need for fertilizers;
- Is not prone to pests and is consistent with Integrated Pest Management practices; and
- Is consistent with local water conservation ordinance requirements.

Irrigation System

Provide an irrigation system to maintain viability of vegetation, if applicable. The irrigation system must be designed to local code or ordinance specifications.

Restricted Construction Materials

The use of pressure-treated wood or galvanized metal at or around a biofiltration area is prohibited.

Overflow Device

An overflow device is required at the 18-inch ponding depth. The following, or equivalent, should be provided:

- A vertical PVC pipe (SDR 26) to act as an overflow riser.
- The overflow riser(s) should be eight inches or greater in diameter, so it can be cleaned without damage to the pipe.

- The inlet to the riser should be at the ponding depth (18 inches for fenced biofiltration areas and 6 inches for areas that are not fenced), and be capped with a spider cap to exclude floating mulch and debris. Spider caps should be screwed in or glued (e.g., not removable). The overflow device should convey stormwater runoff in excess of 1.5 times the SWQDv that is not reliably retained on the project site to an approved discharge location (another stormwater quality control measure, storm drain system, or receiving water).

Maintenance Requirements

Maintenance and regular inspections are important for proper function of biofiltration areas. Biofiltration areas require annual plant, soil, and mulch layer maintenance to ensure optimal infiltration, storage, and pollutant removal capabilities. In general, biofiltration maintenance requirements are typical landscape care procedures and include:

- Irrigate plants as needed during prolonged dry periods. In general, plants should be selected to be drought-tolerant and not require irrigation after establishment (two to three years).
- Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred. Properly-designed facilities with appropriate flow velocities should not cause erosion except potentially during in extreme events. If erosion occurs, the flow velocities and gradients within the biofiltration area and flow dissipation and erosion protection strategies in the pretreatment area and flow entrance should be reassessed. If sediment is deposited in the biofiltration area, identify the source of the sediment within the tributary area, stabilize the source, and remove excess surface deposits.
- Prune and remove dead plant material as needed. Replace all dead plants, and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species.
- Remove weeds as needed until plants are established. Weed removal should become less frequent if the appropriate plant species are used and planting density is attained.
- Select the proper soil mix and plants for optimal fertility, plant establishment, and growth to preclude the use of nutrient and pesticide supplements. By design, biofiltration facilities are located in areas where phosphorous and nitrogen levels are often elevated such that these should not be limiting nutrients. Addition of nutrients and pesticides may contribute pollutant loads to receiving waters.
- In areas where heavy metals deposition is likely (i.e., tributary areas to industrial, vehicle dealerships/repair, parking lots, roads), replace mulch annually. In areas where metals deposition is less likely (i.e., residential lots), replace or add mulch as needed to maintain a two to three inch depth at least once every two years.

- Analyze soil for fertility and pollutant levels if necessary. Biofiltration soil media are designed to maintain long-term fertility and pollutant processing capability.
- Eliminate standing water to prevent vector breeding.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.
- Inspect, and clean if necessary, the underdrain.

A summary of potential problems that need to be addressed by maintenance activities is presented in Table E-13.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-13. Biofiltration Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Vegetation	Overgrown vegetation	Mow and prune vegetation as appropriate.
	Presence of invasive, poisonous, nuisance, or noxious vegetation or weeds	Remove this vegetation and plant native species as needed.
Trash and Debris	Trash, plant litter, and dead leaves present	Remove and properly dispose of trash and debris.
Irrigation (if applicable)	Not functioning correctly	Check irrigation system for clogs or broken lines and repair as needed.
Inlet/Overflow	Inlet/overflow areas clogged with sediment and/or debris	Remove material.
	Overflow pipe blocked or broken	Repair as needed.
Erosion/Sediment Accumulation	Splash pads or spreader incorrectly placed Presence of erosion or sediment accumulation	Check inlet structure to ensure proper function. Repair, or replace if necessary, the inlet device. Repair eroded areas with gravel as needed. Re-grade the biofiltration area as needed.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination from floatables such as oil and grease.
Standing water	Standing water observed more than 96 hours after storm event	Inspect, and clean as needed, the underdrain to ensure proper function. Clear clogs as needed. Remove and replace planter media (sand, gravel, topsoil, mulch) and vegetation.

Appendix C:
Modular Wetlands System (MWS) Biofiltration Vaults

Typical MWS Biofiltration Vault details have been provided for this Preliminary LID. Project specific details will be provided during final engineering.

SITE SPECIFIC DATA*	
PROJECT NAME	
PROJECT LOCATION	
STRUCTURE ID	

PERFORMANCE DATA	
TREATMENT VOLUME (CF)	
DRAINDOWN TIME (HR)	
TREATMENT HGL (FT)	
BYPASS FLOW RATE (CFS)	

PROJECT PARAMETERS			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
OUTLET PIPE 1			
RIM ELEVATION			
SURFACE LOADING REQUIREMENT			

FRAME & COVER	PRETREATMENT	BIOFILTRATION	DISCHARGE

WETLANDMEDIA VOLUME (CY)	
MEDIA DELIVERED	
ORIFICE SIZE (DIA)	
MAX PICK WEIGHT (LBS)	

NOTES:

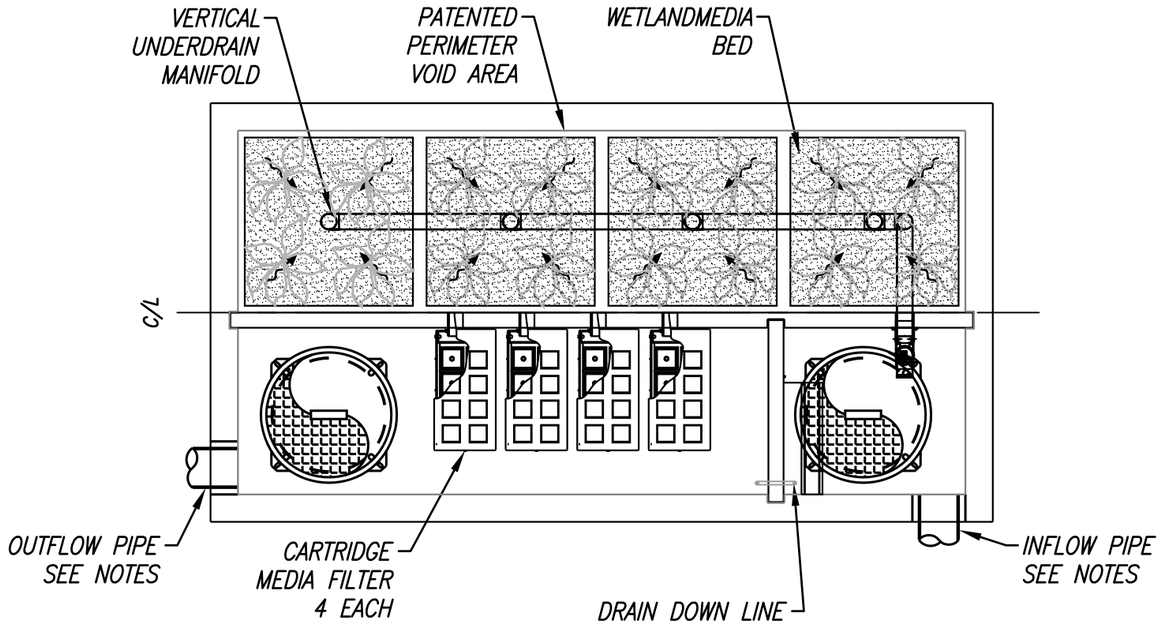
*PER ENGINEER OF RECORD

INSTALLATION NOTES

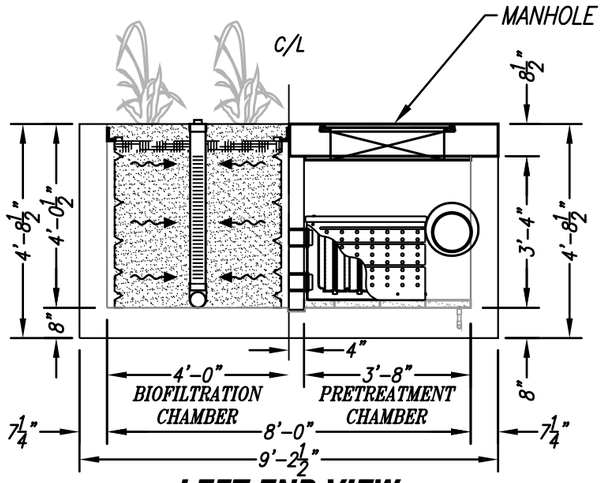
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. MANUFACTURER RECOMMENDS A MINIMUM 6"LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH).
4. INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR.
5. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
6. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

GENERAL NOTES

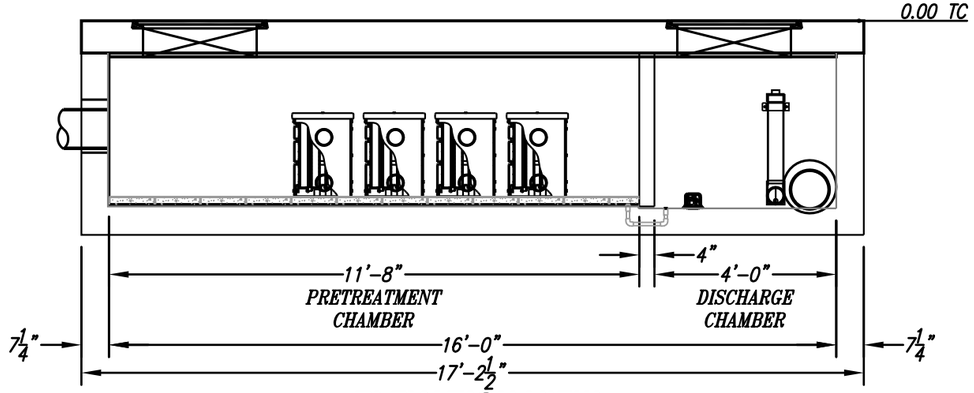
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



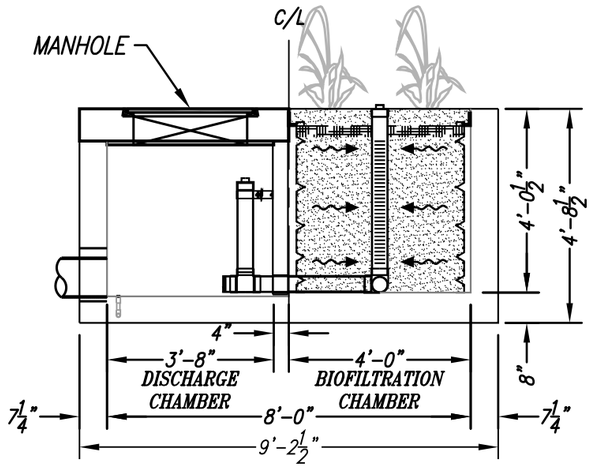
PLAN VIEW



LEFT END VIEW



ELEVATION VIEW



RIGHT END VIEW

MWS UNIT DESIGN DATA	
TREATMENT CAPACITY (CFS)	0.462
OPERATING HEAD (FT)	3.4
PRETREATMENT SURFACE AREA (SF)	141.12
WETLAND LOADING RATE (GPM/MIN)	1.03

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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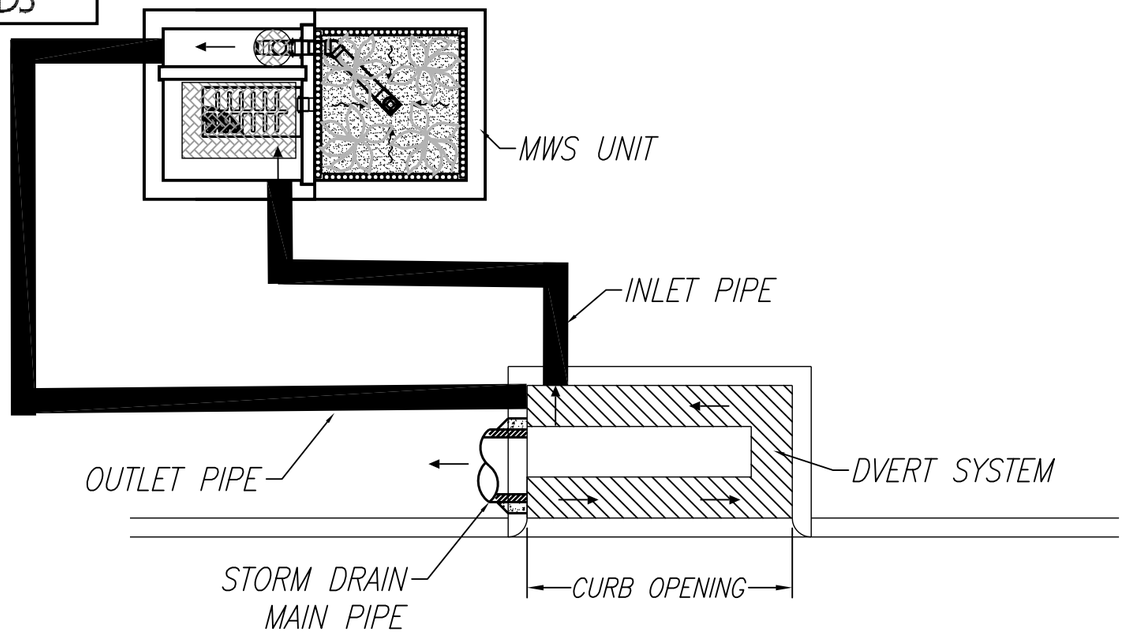
MODULAR WETLANDS

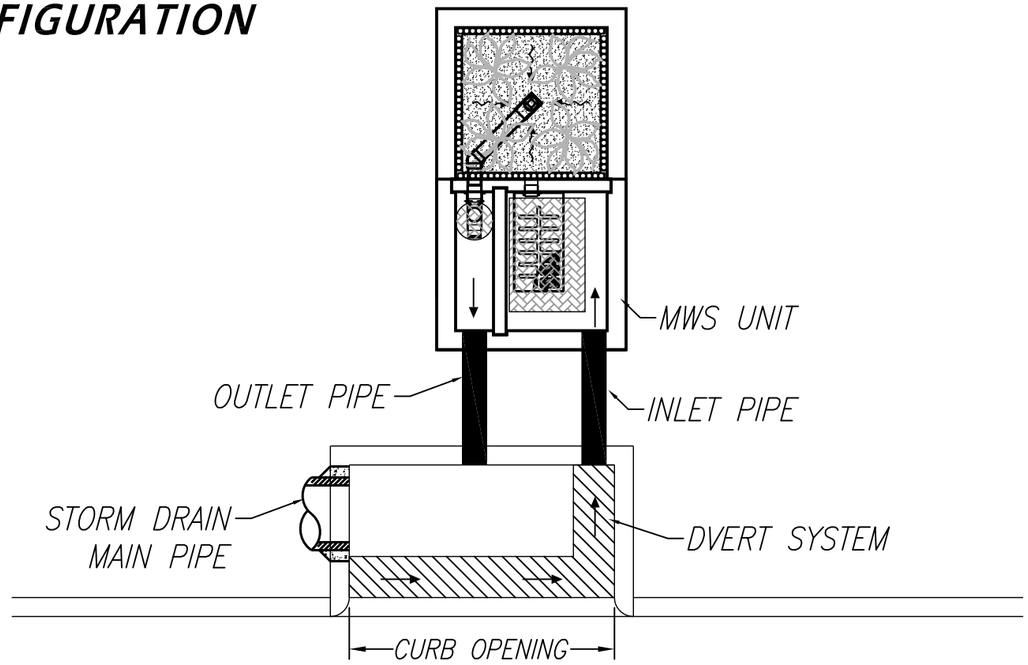
MWS-L-8-16-V

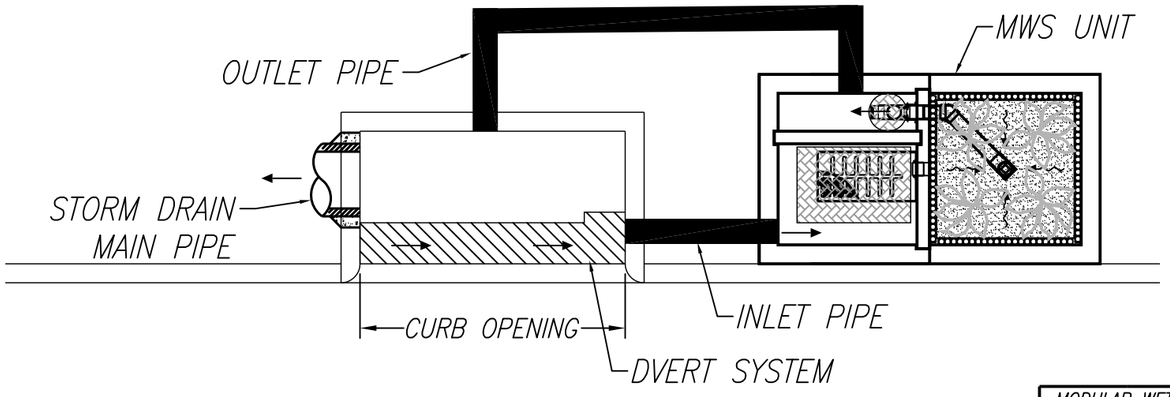
STORMWATER BIOFILTRATION SYSTEM

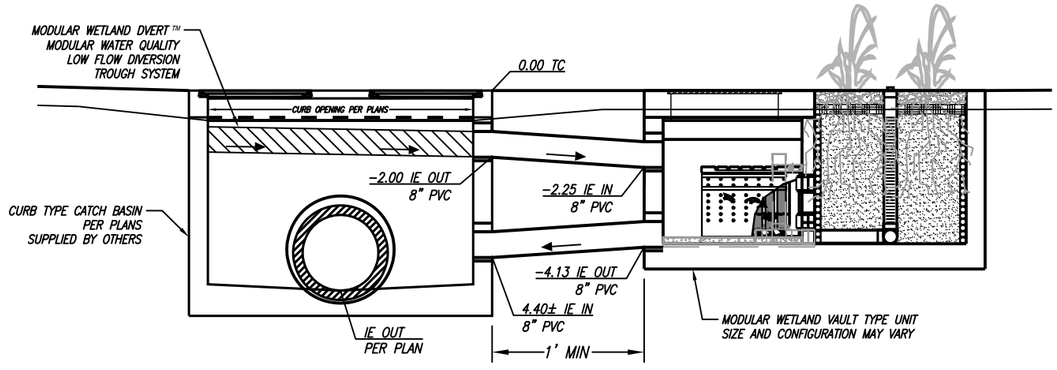
STANDARD DETAIL

MODULAR WETLAND SYSTEMS - LINEAR 2.0
STANDARD DVERT CONFIGURATION









MODULAR WETLAND SYSTEMS INC.
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	NAME	DATE
DRAWN		
EDITED		

COMMENTS:

TITLE: MWS LINEAR 2.0 DVERT SETUP

SIZE	DWG. NO.	REV

SCALE NTS | UNITS = INCHES | SHEET 1 OF 1

SPECIFICATIONS

MWS – Linear

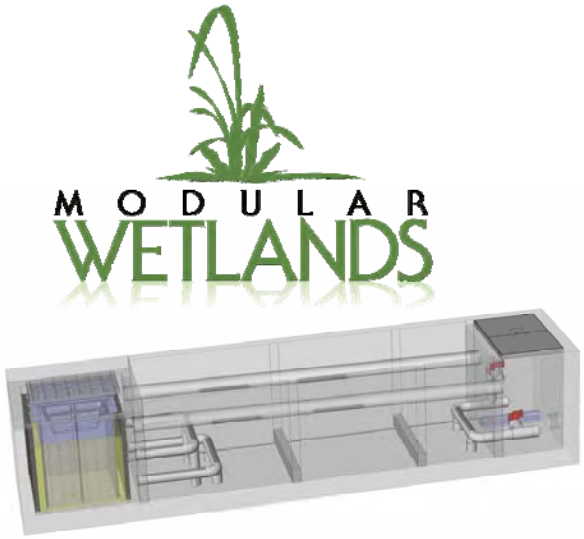
Hybrid Stormwater Filtration System

Modular Wetland Systems, Inc.
P.O. Box 869
Oceanside, CA 92049

www.modularwetlands.com
P 760-433-7640
F 760-433-3179

MWS – Linear

Hybrid Stormwater Filtration System



Save valuable space with small footprint for urban sites.

Improve BMP aesthetics with attractive native and tropical landscape plants.

Reduce lifetime costs with safer and less expensive maintenance

"The MWS – Linear hybrid stormwater treatment system is described as a self contained treatment train. This system utilizes an innovative combination of l treatment processes. Stormwater runoff flows into the system via pipe or curb/grate type catch basin opening. Polluted runoff first encounters a screening device to remove larger pollutants and then enters a hydrodynamic separation chamber which settles out the sediments and larger suspended solids. Next the runoff is treated by a revolutionary filter media, BioMediaGREEN that removes fines and associated pollutants, including bacteria. From there runoff enters of bioretention filter in the form of a subsurface flow vegetated gravel wetland. Within the wetland physical, chemical, and biological mechanisms remove the remaining particulate and dissolved pollutants. The purified runoff leaves the system via the discharge chamber. In the discharge chamber the rate of discharge is controlled by valves set to a desired rate".

Tested Pollutant Removal Efficiencies:

TSS Removal	Dissolved Lead Removal	Dissolved Copper Removal	TPH	E. coli Removal	Turbidity Removal
98%	81%	92%	99%	60.2%	92%

"Nature and Harmony Working Together in Perfect Harmony"

SPECIFICATIONS – MWS- LINEAR

Track Record: The MWS- Linear Hybrid Stormwater Treatment System is manufactured by a company whom is regularly engaged in the engineering design and production of treatment systems for stormwater.

Coverage: The MWS- Linear is designed to treat the water quality volume or water quality flow. For flow based design, high flow bypass is internal, for volume based design, high flow bypass is external and prior to pre-detention system. For offline volume based designs the MWS - Linear has the ability to treat the entire water quality volume when used with pre-storage and properly sized.

Non-Corrosive Materials: The MWS – Linear is designed with non-corrosive materials. All internal piping is SD35 PVC. Catch basin filter components, including mounting hardware, fasteners, support brackets, filtration material, and support frame are constructed of non-corrosive materials (316 stainless steel, and UV protected/marine grade fiberglass). Fasteners are stainless steel. Primary filter mesh is 316 stainless steel welded screens. Filtration basket screens for coarse, medium and fine filtration is ¾" x 1 ¾"expanded, 10 x 10 mesh, and 35 x 35 mesh, respectively. No polypropylene, monofilament netting or fabrics shall be used in this system. Media Protective Panels are constructed of UV protected/marine grade fiberglass. Mounts are constructed of stainless steel. BioMediaGREEN is an inert rock substrate and is non-corrosive. Perimeter filter structure is constructed of lightweight injection molded plastic. Mounting brackets are constructed of SD40 PVC and are mounted with 3/8" diameter stainless steel redheads. Drain down filter cover is constructed of UV protected/marine grade fiberglass and stainless steel hinge and mount.

Weight: Each complete unit weighs approximately 29,000 to 40,000 pounds and requires a boom crane to install. Details of this are provided in the installation section of the MWS-Linear Design Kit.

Transportation: The Modular Wetland System – Linear is designed to be transported on a standard flat bed truck. The unit easily fits on a flat bed truck without the need of special permitting.

Alternative Technology Configurations: The Modular Wetland System – Linear is modular is design. Each module will be up to 22 feet long and 5 feet wide. The system can be made in lengths varying from 13 to 100s of feet long. For lengths longer than 22 feet the system will shipped in modules and assembled on site. The Modular Wetland System – Linear has many alternative configurations. This allows the system to be adapted to many site conditions. Runoff can enter the system through a pipe, and/or a built in curb or grate type opening.

Energy Requirements: The Modular Wetland System – Linear is completely passive and requires no external energy sources.

Buoyancy Issues: Buoyancy is only a an issue when ground water levels rise above the bottom of the Modular Wetland System – Linear's concrete structure. With 8.5 cubic yards of wetland media there is no concern of floatation. As a precaution a footing can also be built into the systems concrete structure.

Durability: The structure of the box will be precast concrete. The concrete will be 28 day compressive strength fc = 5,000 psi. Steel reinforcing will be ASTM A – C857. Structure will support an H20 loading as indicted by AASHTO. The joint between the concrete sections will ship lap and joint sealed with ram-nek. Filter (excluding oil absorbent media) and support structures are of proven durability. The filter and mounting structures are of sufficient strength to support water, sediment, and debris loads when the filter is full, with no slippage, breaking, or tearing. All filters are warranted for a minimum of five (5) years.

Oil Absorbent Media: The MWS – Linear utilizes both physical and biological mechanisms to capture and filter oil and grease. A skimmer and boom system will be positioned on the internal perimeter of the catch basin insert. The primary filtration media, BioMediaGreen, utilized in the perimeter and drain down filters, has excellent hydrocarbon removal abilities. Within the wetland filter biological processes capture and

break down oil and grease. Much of the breakdown and transformation of oil and grease is performed by natural occurring bacteria.

Overflow Protection: The grate and curb type MWS – Linear are designed with an internal bypass consisting of two SD PVC pipes which direct high flows around the perimeter and wetland filter, directly into the discharge chamber. For the volume based vault type configuration, bypass should be located prior to the pre-detention system. For peak flows that exceed internal bypass capacity, external bypass is use.

Filter Bypass: Runoff will bypass filtration (BioMediaGREEN and wetland filter) components of the MWS - Linear. The system will still provide screening and settling during higher flow rates for internally bypassed flows. External bypass will bypass of treatment processes.

Pollutant Removal Efficiency: The MWS - Linear is capable of removing over 90% of the net annual total suspended solids (TSS) load based on a 20-micron particle size. Annual TSS removal efficiency models are based on documented removal efficiency performance from full-scale laboratory tests on BioMediaGreen and quarter-scale laboratory tests on the MWS – Linear flow based system.

POLLUTANT	REMOVAL EFFICIENCY
Trash & Litter	99%
TPH (mg/L)	99%
TSS (mg/L)	98%
E. Coli (MPN/100ml)	60%
Turbidity (NTU)	92%
Dissolved Metals (mg/L)	76%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

Non-Scouring: During heavy storm events the runoff bypasses perimeter and wetland filter components. The system will not re-suspend solids at design flows.

Uniqueness: The Modular Wetland System – Linear is a complete self contained treatment train that incorporates capture, screening, sedimentation, filtration, bioretention, high flow bypass, and flow control into a single modular structure. This system provides four stages of treatment making it the only 4 stage treatment train stormwater filtration system, therefore making it unique to the industry. Other systems do not incorporate all the necessary attributes to make it a complete stormwater management device as with the Modular Wetland System – Linear. Therefore, no equal exists for this system.

Pretreatment & Preconditioning: Since the Modular Wetland System – Linear is a complete capture and treatment train stormwater management system no external pretreatment of preconditioning is necessary.

SPECIFICATIONS – BioMediaGREEN

BioMediaGREEN is a proprietary engineered filter media. Made of a unique combination of the inert naturally occurring material this product is non-combustible and do not pose a fire hazard, stable and non-reactive, and is also biodegradable. It is stable with no known adverse environmental effects.

This product has been tested in long-term carcinogenicity studies [inhalation and intraperitoneal injection (i.p.)] with no significant increase in lung tumors or abdominal tumors. Short-term biopersistent (inhalation and intra-tracheal injection) studies have shown that the products disappear very rapidly from the lung.

In October 2001, IARC classified this product as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on the latest epidemiological studies and animal inhalation studies that show no relation between inhalation exposure and the development of tumors.

The product can typically be disposed of in an ordinary landfill (local regulations may apply). If you are unsure of the regulations, contact your local Public Health Department or the local office of the Environmental Protection Agency (EPA).

Coverage: When properly installed BioMediaGREEN Filter Blocks provide sufficient contact time, at rated flows, of passing contaminate water. The BioMediaGREEN material will capture and retain most pollutants that pass through it. The BioMediaGREEN material is made of a proprietary blend of inert substances. The BioMediaGREEN Filter Blocks can be used in different treatment devices, including but not limited to flume filters, trench drain filters, downspout filters, catch basin inserts, water polishing units, and hydrodynamic separators.

Non-Corrosive Materials: The BioMediaGreen material is made of non-corrosive materials.

Durability: The BioMediaGREEN material has been chosen for its proven durability, with an expected life of 2 plus years. The BioMediaGREEN material is of sufficient strength to support water, sediment, and debris loads when the media is at maximum flow; with no slippage, breaking, or tearing. The BioMediaGREEN material has been tested through rigorous flow and loading conditions.

Oil Absorbent Media: The BioMediaGREEN material has been proven to capture and retain hydrocarbons.

Pollutant Removal Efficiency: The BioMediaGREEN Filter Blocks are designed to capture high levels of Hydrocarbons including but not limited to oils & grease, gasoline, diesel, and PAHs. BioMediaGREEN Filter Blocks have the physical ability to block and filter trash and litter, grass and foliage, sediments, TSS, particulate and dissolved metals, nutrients, and bacteria.

BioMediaGREEN technology is based on a proprietary blend of synthetic inert natural substances aimed at removal of various stormwater pollutants. BioMediaGREEN was created to have a very porous structure capable of selectively removing pollutants while

allowing high flow through rates for water. As pollutants are captured by its structure, BioMediaGREEN captures most pollutants and maintains porosity and filtering capabilities.

Field and laboratory tests have confirmed the BioMediaGREEN capability to capture large percentage of TSS, hydrocarbons, nutrients, and heavy metals. Microbial reduction efficiency will vary depending on colony size, flow rates and site specific conditions.

POLLUTANT	REMOVAL EFFICIENCY
Oil & Grease (mg/L)	90%
TPH (mg/L)	99%
TSS (mg/L)	85%
Turbidity (NTU)	99%
Total Phosphorus (mg/L)	69.6%
Dissolved Metals (mg/L)	75.6%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

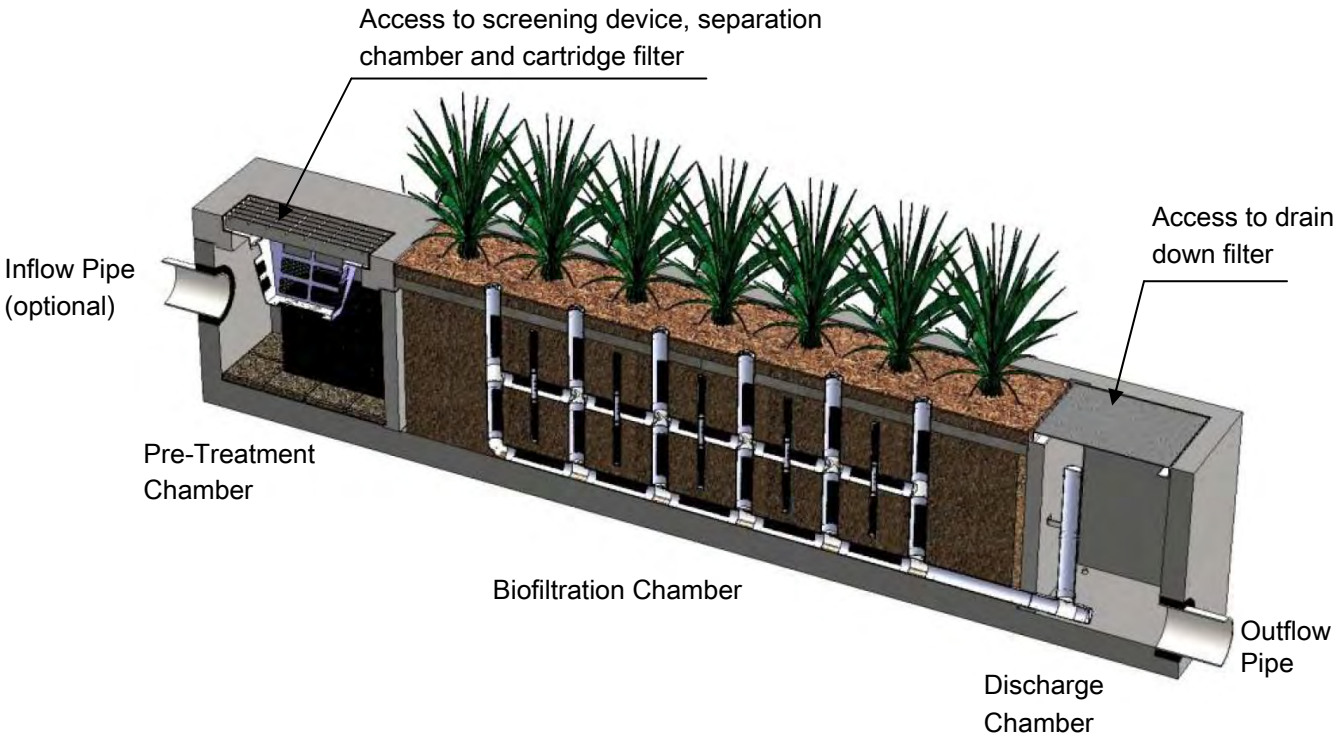
Replacement: Removal and replacement of the blocks is simple. Remove blocks from filtration system. Replace with new block of equal size.

Maintenance Guidelines for Modular Wetland System - Linear

Maintenance Summary

- Remove Trash from Screening Device – average maintenance interval is 6 to 12 months.
  - (*5 minute average service time*).
- Remove Sediment from Separation Chamber – average maintenance interval is 12 to 24 months.
  - (*10 minute average service time*).
- Replace Cartridge Filter Media – average maintenance interval 12 to 24 months.
  - (*10-15 minute per cartridge average service time*).
- Replace Drain Down Filter Media – average maintenance interval is 12 to 24 months.
  - (*5 minute average service time*).
- Trim Vegetation – average maintenance interval is 6 to 12 months.
  - (*Service time varies*).

System Diagram



Maintenance Procedures

Screening Device

1. Remove grate or manhole cover to gain access to the screening device in the Pre-Treatment Chamber. Vault type units do not have screening device. Maintenance can be performed without entry.
2. Remove all pollutants collected by the screening device. Removal can be done manually or with the use of a vacuum truck. The hose of the vacuum truck will not damage the screening device.
3. Screening device can easily be removed from the Pre-Treatment Chamber to gain access to separation chamber and media filters below. Replace grate or manhole cover when completed.

Separation Chamber

1. Perform maintenance procedures of screening device listed above before maintaining the separation chamber.
2. With a pressure washer spray down pollutants accumulated on walls and cartridge filters.
3. Vacuum out Separation Chamber and remove all accumulated pollutants. Replace screening device, grate or manhole cover when completed.

Cartridge Filters

1. Perform maintenance procedures on screening device and separation chamber before maintaining cartridge filters.
2. Enter separation chamber.
3. Unscrew the two bolts holding the lid on each cartridge filter and remove lid.
4. Remove each of 4 to 8 media cages holding the media in place.
5. Spray down the cartridge filter to remove any accumulated pollutants.
6. Vacuum out old media and accumulated pollutants.
7. Reinstall media cages and fill with new media from manufacturer or outside supplier. Manufacturer will provide specification of media and sources to purchase.
8. Replace the lid and tighten down bolts. Replace screening device, grate or manhole cover when completed.

Drain Down Filter

1. Remove hatch or manhole cover over discharge chamber and enter chamber.
2. Unlock and lift drain down filter housing and remove old media block. Replace with new media block. Lower drain down filter housing and lock into place.
3. Exit chamber and replace hatch or manhole cover.

Maintenance Notes

1. Following maintenance and/or inspection, it is recommended the maintenance operator prepare a maintenance/inspection record. The record should include any maintenance activities performed, amount and description of debris collected, and condition of the system and its various filter mechanisms.

2. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time.

3. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.

4. Entry into chambers may require confined space training based on state and local regulations.

5. No fertilizer shall be used in the Biofiltration Chamber.

6. Irrigation should be provided as recommended by manufacturer and/or landscape architect. Amount of irrigation required is dependent on plant species. Some plants may require irrigation.

Maintenance Procedure Illustration

Screening Device

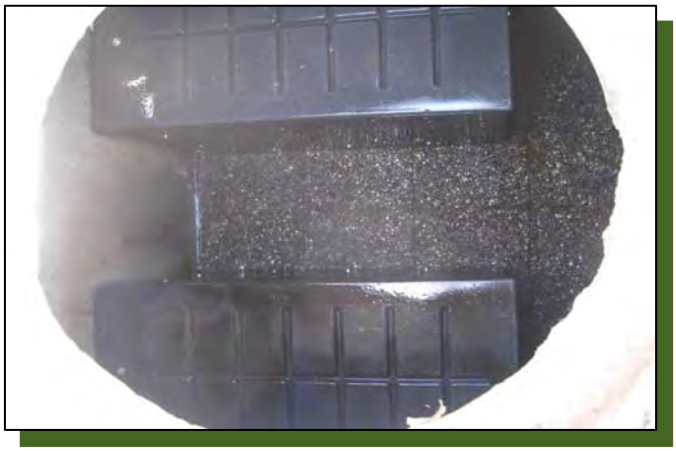
The screening device is located directly under the manhole or grate over the Pre-Treatment Chamber. It's mounted directly underneath for easy access and cleaning. Device can be cleaned by hand or with a vacuum truck.

Separation Chamber

The separation chamber is located directly beneath the screening device. It can be quickly cleaned using a vacuum truck or by hand. A pressure washer is useful to assist in the cleaning process.

Cartridge Filters

The cartridge filters are located in the Pre-Treatment chamber connected to the wall adjacent to the biofiltration chamber. The cartridges have removable tops to access the individual media filters. Once the cartridge is open media can be easily removed and replaced by hand or a vacuum truck.



Drain Down Filter

The drain down filter is located in the Discharge Chamber. The drain filter unlocks from the wall mount and hinges up. Remove filter block and replace with new block.

Trim Vegetation

Vegetation should be maintained in the same manner as surrounding vegetation and trimmed as needed. No fertilizer shall be used on the plants. Irrigation per the recommendation of the manufacturer and or landscape architect. Different types of vegetation requires different amounts of irrigation.

Inspection Form

Modular Wetland System, Inc.
P. 760.433-7640
F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Inspection Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Inspection Checklist

Modular Wetland System Type (Curb, Grate or UG Vault): _____ Size (22', 14' or etc.): _____

Structural Integrity:	**Yes**	**No**	**Comments**
Damage to pre-treatment access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Damage to discharge chamber access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Does the MWS unit show signs of structural deterioration (cracks in the wall, damage to frame)?			
Is the inlet/outlet pipe or drain down pipe damaged or otherwise not functioning properly?			
Working Condition:			
Is there evidence of illicit discharge or excessive oil, grease, or other automobile fluids entering and clogging the unit?			
Is there standing water in inappropriate areas after a dry period?			
Is the filter insert (if applicable) at capacity and/or is there an accumulation of debris/trash on the shelf system?			
Does the depth of sediment/trash/debris suggest a blockage of the inflow pipe, bypass or cartridge filter? If yes, specify which one in the comments section. Note depth of accumulation in in pre-treatment chamber.			Depth:
Does the cartridge filter media need replacement in pre-treatment chamber and/or discharge chamber?			Chamber:
Any signs of improper functioning in the discharge chamber? Note issues in comments section.			
Other Inspection Items:			
Is there an accumulation of sediment/trash/debris in the wetland media (if applicable)?			
Is it evident that the plants are alive and healthy (if applicable)? Please note Plant Information below.			
Is there a septic or foul odor coming from inside the system?			

Waste:	**Yes**	**No**
Sediment / Silt / Clay		
Trash / Bags / Bottles		
Green Waste / Leaves / Foliage		

Recommended Maintenance	
No Cleaning Needed	
Schedule Maintenance as Planned	
Needs Immediate Maintenance	

Plant Information	
Damage to Plants	
Plant Replacement	
Plant Trimming	

Additional Notes: _____

2972 San Luis Rey Road, Oceanside, CA 92058 P (760) 433-7640 F (760) 433-3176

Maintenance Report

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F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Cleaning and Maintenance Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Site Map #	GPS Coordinates of Insert	Manufacturer / Description / Sizing	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Total Debris Accumulation	Condition of Media 25/50/75/100 (will be changed @ 75%)	Operational Per Manufactures' Specifications (If not, why?)
	Lat: Long:	MWS Catch Basins						
		MWS Sedimentation Basin						
		Media Filter Condition						
		Plant Condition						
		Drain Down Media Condition						
		Discharge Chamber Condition						
		Drain Down Pipe Condition						
		Inlet and Outlet Pipe Condition						

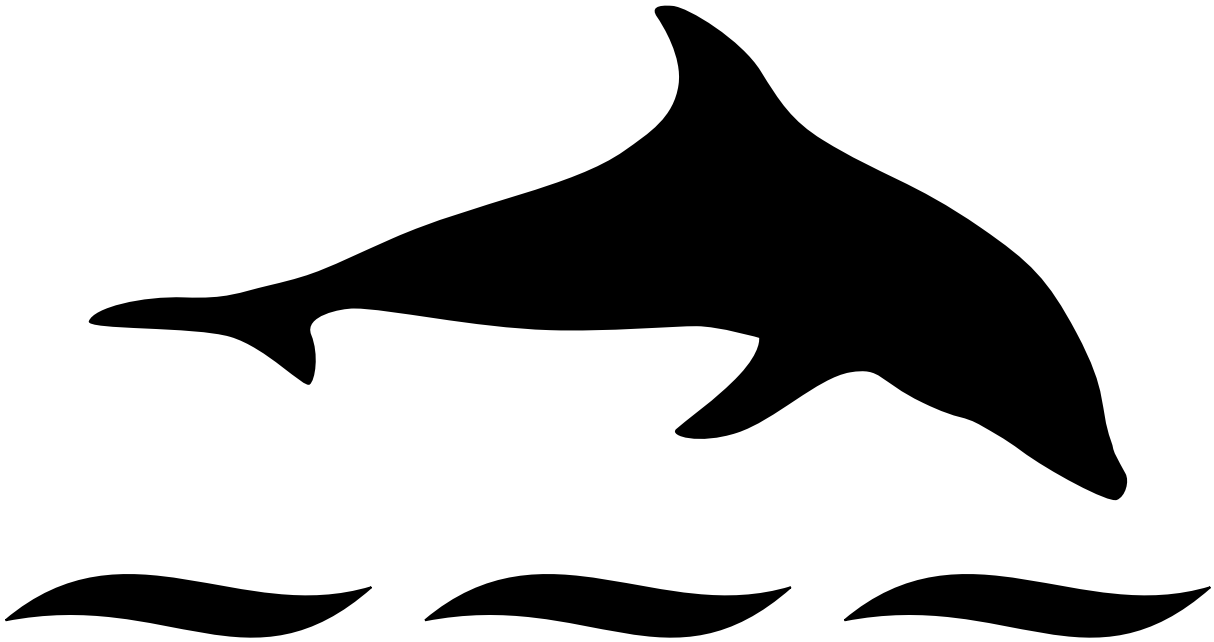
Comments:

2972 San Luis Rey Road, Oceanside, CA 92058 P. 760.433.7640 F. 760.433.3176

Appendix D:
"NO DUMPING – DRAINS TO OCEAN" Stencil Examples

Sample Stencil 1

NO DUMPING



DRAINS TO OCEAN

Sample Stencil 2

Appendix E:
Catch Basin Cleaning

OPERATION & MAINTENANCE PLAN
FOR FILTER INSERT

The maintenance program will include the following key components:

1. **REGULAR SWEEPING AND REMOVAL OF DEBRIS:**
   Vehicle parking lot will be swept on a regular basis. Sediment and debris (litter, leaves, papers and cans, etc.) within the area, especially around the drainage inlet, will be collected and removed. The frequency of sweeping will be based on the amount of sediment and debris generated.

2. **REGULAR INSPECTIONS:**
   The catch basin, downspout, or trench drain filter insert will be inspected on a regular basis. The frequency of inspection will be based on pollutant loading, amount of debris, leaves, etc., and amount of runoff. At a minimum, there will be three inspections per year.

3. **CONDUCT OF THE VISUAL INSPECTION:**
   a. Broom sweep around the inlet and remove the inlet grate.
   b. Inspect the filter liner for serviceability. If called for, the filter body will be replaced.
   c. Check the condition of the adsorbent pouches and visually check the condition of the enclosed adsorbent. If the surface of the granules is more than 50% coated with a dark gray or black substance, the pouches will be replaced with new ones.
   d. Check for loose or missing nuts (on some models) and gaps between the filter and the inlet wall, which would allow bypass of the filter during low flows.
   e. The filter components will be replaced in the inlet and the grate replaced.

4. **CLEANING OUT THE FILTER INSERT:**
   Regardless of the model of filter insert, the devices must be cleaned out on a recurring basis. The manufacturer recommends at least three cleanings per year – more in high exposure areas. For the Flo-Gard+Plus filters, the filter must be cleaned when the solids level reaches close to the fullel tip.
   a. The Standard Filter, in most cases, can be cleaned out by removing the device from the inlet and dumping the contents into a DOT approved drum for later disposal. If the oil-absorbant pouches need to be changed, the time to change them is immediately after dumping and before the filter is replaced in the inlet.
   b. Because of weight, method of installation and so forth, some filter inserts will be cleaned with the aid of a vactor truck. If necessary, the oil-absorbant pouches will be changed after the pollutants have been removed and as the filter is being returned to service.

5. **MAINTENANCE LOG:**
   Keep a log of all inspections and maintenance performed on the catch basins, trench drains, and filter inserts. Keep this log on-site.

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

Appendix F:
General Education Materials

To be provided during final engineering

Appendix G:
Operation and Maintenance Plan

To be provided during final engineering

Appendix H:
Geotechnical Investigation

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May 6, 2019
Project No. 1-0286

Attention: Ms. Kim Prijatel

Subject: **GEOTECHNICAL INVESTIGATION**
930 West Compton Boulevard
City of Compton, California.

References: See Appendix A

Dear Ms. Prijatel:

Presented herein is Alta California Geotechnical, Inc.'s (Alta) geotechnical investigation report for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing and review of the referenced reports.

Also included in this report are:

- Discussion of the site geotechnical conditions;
- Recommendations for remedial and site grading, including unsuitable soil removals;
- Geotechnical site construction recommendations;
- Preliminary foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

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1.0 INTRODUCTION

The following report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. The property is depicted on the enclosed Plate 1. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Review of the referenced literature, maps, reports and aerial photos (Appendix A);
- Site geologic mapping;
- Excavating, logging, and sampling five (5) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B);
- Conducting laboratory testing on samples obtained during our investigation (Appendix C);
- Performing an infiltration study on an additional boring, five (5) feet in depth, to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal;
- Conducting a liquefaction analysis;
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading, import soil, foundations and utilities;
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Existing Conditions

The property consists of a rectangular-shaped, 2.45± -acre parcel located at 930 West Compton Boulevard, in the City of Compton, California. Currently, the site is a vacant lot and is relatively flat. The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue.

A review of aerial photos (Historic Aerials, 2019) indicates that the lot was vacant up until the 1970s where it was graded for the construction of a hospital. The hospital was demolished around 2004 and the lot has remained vacant since.

2.2 Proposed Development

It is our understanding that site will be developed into a residential development to support 24 homes with associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements. Design cuts and fills onsite are anticipated to be five feet or less.

3.0 SITE INVESTIGATION

3.1 Current Subsurface Investigation

Alta conducted a subsurface investigation on April 18, 2019 consisting of the excavation, logging and select sampling of five (5) hollow-stem auger borings up to a maximum depth of 51.5 feet below the existing ground surface and the installation of one (1) five-foot deep well for infiltration testing. The locations of the exploratory excavations are shown on Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the site may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using one, five (5) foot-deep boring (P-1) as shown on Plate 1. The testing was performed on April 19, 2019 in general conformance with the County of Los Angeles for WQMP. The test well was presoaked for 24 hours prior to testing and the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate for P-1 is 0.13 inches per hour, with no factor of safety, as summarized in Table 3-1. Recommendations for infiltration BMP design are presented in Section 6.3.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)	
Test Designation	P-1
Approximate Depth of Test	5.0 ft
Final Time Interval	30 minutes
Radius of Test Hole	4 inches
Tested Infiltration Rate	0.13 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where major right-lateral active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on Alta's review of geologic literature and our subsurface investigation, the project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

4.2.1 Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

4.2.2 Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill which consist of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff and medium

dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings and Bryant (2010) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework the site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which the site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward to the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the Santa Ana sub-block, which is bound on the east by the Whittier-Elsinore fault zone and on the west by Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the onsite sediments are of Quaternary age, and are not fractured, folded, or faulted.

4.4 Groundwater

Groundwater was not encountered to a depth of 51.5 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is ten (10) feet below the ground surface (CDMG, 1998).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles south west of the Puente Hills fault zone, 9.1 miles north 0f the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

4.5.2 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

Seismic design parameters using soil profile types identified in the 2016 California Building Code are presented in Section 7.3.

4.5.3 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically-induced ground shaking.

Groundwater was not encountered during our subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow-stem auger borings and laboratory test results to analyze the liquefaction

potential of the young Quaternary alluvium. A description of Alta's analysis and calculations are presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking.

- **Loss of Bearing:**

  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**

  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  There were no layers within 32 feet of the existing ground surface with $(N1)_{60}$ values less than 15 that are susceptible to liquefaction. As such, it is our opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

- **Settlement:**

  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand

particles. Our liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1.

- **Flow Failure:**

  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

4.5.4 Dry Sand Settlement

Dry sand settlement is the process of settlement of the ground surface during a seismic event in sand layers. Based on the remedial grading recommendations, the density and fines content of the underlying young alluvium, dry sand settlement is not anticipated to be a significant constraint.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) and in-place moisture/density results are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigation, it is our opinion that the majority of the onsite materials possess favorable excavation characteristics such that conventional earthmoving equipment can be utilized.

5.1.2 Compressibility

The onsite artificial fill and upper portions of the young alluvium are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the artificial fill and upper portions of young alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B. These soils may need to be dried or mixed with drier materials before placing them as engineered fill, as noted in Section 6.2.6.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, and/or irregular loading patterns.

Based on our laboratory testing (Appendix C), the potential for hydro-collapse onsite is minimal and should be within foundation tolerances upon the completion of the recommended unsuitable soils removals.

5.1.5 Expansion Potential

Expansion index testing was performed on a sample taken during our subsurface investigation. Based on the results, it is anticipated that the

majority of materials onsite are "medium" to "high" in expansion potential (51≤EI≤130, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Artificial Fill/Young Quaternary Alluvium	Shrink 4% to 6%	5%

5.1.7 Chemical Analyses

Chemical testing was performed on a sample of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Class S0) per ACI 318-14.

Negligible chloride levels were detected in the onsite soils (Appendix C). Resistivity testing conducted as part of this investigation, indicates that the soils are "severely corrosive" to buried metals (per Romanoff, 1989). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Compton criteria.

6.1.1 Site Preparation

Vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Los Angeles Department of Health Services.

Existing concrete from the demolition of the hospital should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a

maximum size of six (6) inches. Prior to placement as engineered fill, any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

6.1.2 Unsuitable Soil Removals

The artificial fill and the upper portions of the young alluvium are compressible and as such, are not suitable to support the proposed structures. Therefore, it is anticipated that, on average, the upper three (3) to six (6) feet of existing soils will require removal and recompaction, extending a minimum of five (5) feet horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet of natural soils is recommended (all artificial fill should be removed and recompacted). For cuts greater than two (2) feet in street areas, removals are not required. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils such as undocumented artificial fill are exposed upon the completion of the removals recommended above, additional removals may be required.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type equipment.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater will not be encountered during construction. It is possible that perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of the compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Types "B" and "C" per OSHA standards. Upon completion of the recommended removals and re-compaction, the artificial fill will be classified as Soil Type "B". It is anticipated that perched water will not be encountered during excavation. The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

6.2.10 Backcut Stability

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary instability, either on or offsite, further restrictions such as slot cutting, extending work days, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Storm Water Infiltration Systems

Municipalities have been increasing the requirement for onsite storm water infiltration, rather than allowing water to enter storm drain systems. From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rate for P-1 was calculated to be 0.13-inches per hour, at approximately 5-feet below the existing ground surface. The results do not include a factor of safety. Given the characteristics of the underlying soil, in our opinion, deeper testing would not result in higher rates.

Groundwater was not encountered during our subsurface investigation at a depth of 51.5 feet below the existing ground surface. The historic-high groundwater is 10 feet below the ground surface (CDMG, 1998).

Given the low infiltration rate, high in-situ moisture content and fine-grained nature of the underlying soil, infiltration WQMP systems are likely not feasible at the subject site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.4 Boundary Conditions

The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue. Construction of retaining/screen walls in these areas may require additional

geotechnical recommendations concerning unsuitable soil removals and foundation design parameters as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story, wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess "medium" to "high" expansion potential when tested in general accordance with ASTM Test Method D: 4829. Due to the expansion potential, it is anticipated that post-tensioned slabs will be utilized for the project.

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement - 0.5 inches in 40 feet Dynamic Settlement - 0.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-3. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2016 CBC.

TABLE 7-3
POST-TENSION SLAB DESIGN PARAMETERS

Category	Expansion Potential	Minimum Embedment*	Edge Lift		Center Lift	
			Em (ft)	Ym (inch)	Em (ft)	Ym (inch)
II	Medium	18 inches	5.0	1.10	9.0	0.46
III	High	24 inches	4.5	1.58	9.0	0.65
Slab Subgrade Moisture						
Category II	Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete					
Category III	Minimum 130% of optimum moisture to a depth of 18 inches prior to pouring concrete					
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, the minimum embedment depths can be reduced to 12-inches for Category II and 18-inches for Category III.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic

membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site has been identified as "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the project are presented on Figure 1. These parameters should be verified by the structural engineer. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

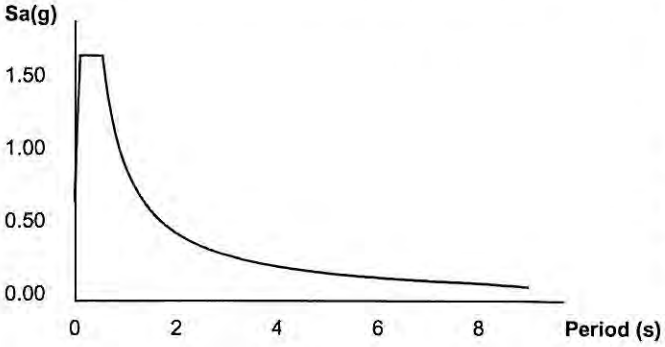
7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

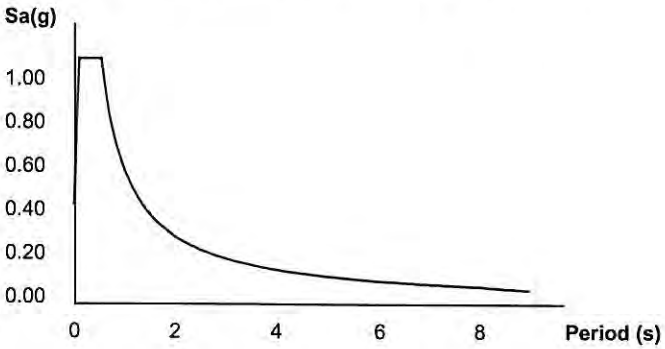
Search Information

Address:	930 W Compton Blvd, Compton, CA 90220, USA
Coordinates:	33.895486, -118.24094000000002
Elevation:	83 ft
Timestamp:	2019-04-30T19:17:15.204Z
Hazard Type:	Seismic
Reference Document:	ASCE7-10
Risk Category:	II
Site Class:	D

MCER Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S_S	1.682	MCE_R ground motion (period=0.2s)
S_1	0.616	MCE_R ground motion (period=1.0s)
S_{MS}	1.682	Site-modified spectral acceleration value
S_{M1}	0.924	Site-modified spectral acceleration value
S_{DS}	1.122	Numeric seismic design value at 0.2s SA
S_{D1}	0.616	Numeric seismic design value at 1.0s SA

▾Additional Information

Name	Value	Description
SDC	D	Seismic design category
F_a	1	Site amplification factor at 0.2s
F_v	1.5	Site amplification factor at 1.0s
CR_S	0.986	Coefficient of risk (0.2s)
CR_1	1.002	Coefficient of risk (1.0s)
PGA	0.623	MCE_G peak ground acceleration
F_{PGA}	1	Site amplification factor at PGA

FIGURE 1

7.6 Retaining Wall Design

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Based on the fine-grained nature of the soils onsite, it is anticipated suitable free-draining backfill material will need to be imported to the site. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-3 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-3
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2016 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $21H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2016 CBC.

- Restrained retaining walls should be designed for "at-rest" conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case by case basis.

7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

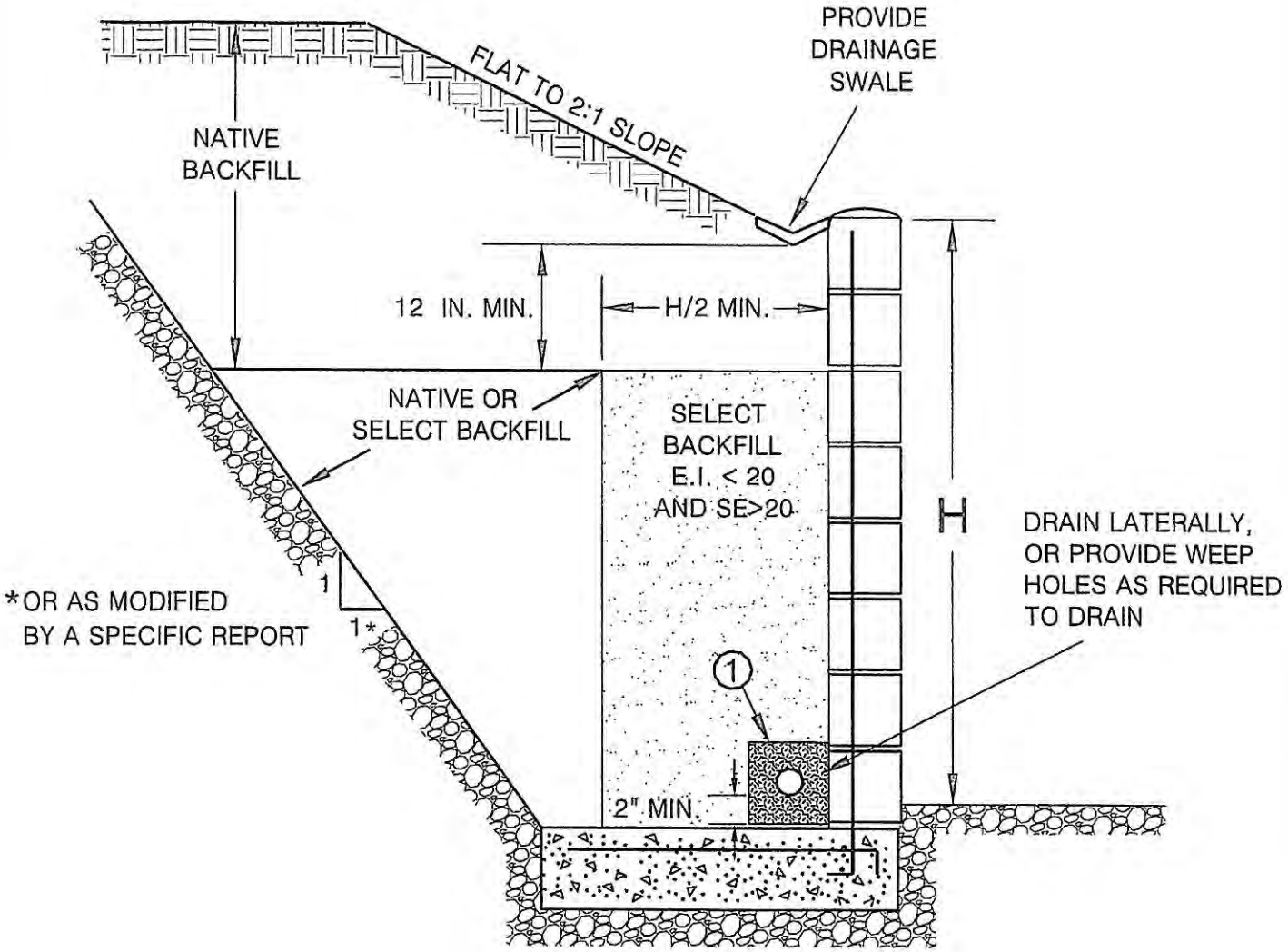
7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 120 percent of optimum moisture (medium expansion) or a

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

minimum of 130 percent of optimum moisture (high expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as medium in expansion potential with possible amounts of high expansive soil. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium or high expansive soils. Given the expansion potential, consideration should be given to reinforcing concrete flatwork with a minimum of 6x6-W1.4xW1.4 welded wire mesh.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils. Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 10, the pavement may be designed utilizing the sections presented in Table 7-4. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Compton's purview.

Table 7-4 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 10-inch AB	4-inch AC on 7-inch AB
5.5	3-inch AC on 11-inch AB	4-inch AC on 8.5-inch AB
6.0	3.5-inch AC on 11.5-inch AB	4-inch AC on 10.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Compton. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. The following recommendations should be implemented.

8.1 Lot Drainage

Roof, pad and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Owners should be made aware that they are responsible for maintenance and cleaning of

all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Residents or owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this

report. If the project description or final design varies from that described herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

References

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling five (5) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate locations of the exploratory excavations are shown on Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Ring Samples 2. Bulk Samples	1. Ring-Select Depths 2. Bulk-Select Depths

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200 | 40 | 10 | 4

CLEAR SQUARE SIEVE OPENINGS: 3/4" | 3" | 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	Sieve Analysis
SA	Maximum Density
MAX	Resistance (R) Value
RV	Expansion Index
EI	Sand Equivalent
SE	Atterberg Limits
AL	Chemical Analysis
CHEM	Hydrometer Analysis
HY	

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @ 0.5 ft. dark brown, moist.				
	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 3.5 ft. brown.	19.7	102	84	
5		R	38		ML	@ 5.0 ft. CLAYEY SILT, light tan brown to brown, moist, very stiff, trace gravel up to 1/4" in diameter.	20.0	104	89	
	75	R	38			@ 7.5 ft. brown.	18.3	111	99	
10		R	53			@ 10.0 ft. brown w/ mottled light tan.	19.0	108	94	
	70									
15		R	36			@ 15.0 ft. light brown.	16.3	103	72	
					CL	@ 16.0 ft. SILTY CLAY, brown w/light tan mottling, very stiff, few gravel up to 3/4" in diameter.				
	65									
20		R	42		ML	@ 20.0 ft. CLAYEY SILT, light brown tan, moist, very stiff.	21.8	102	94	
	60									
25		S	6,8,10			25.0 ft. brown.				
	55									
30		S	5,8,11							
	50									
35		S	8,10,13							
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	11,17,18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya); Continued: @ 41.0 ft. SILTY CLAY, brown, moist, very stiff.				
40										
45		S	18,21,30		SP	@ 45.0 ft. SAND, fine to medium grained, white tan, slightly moist, very dense.				
35										
50		S	21,33,37			@ 50.0 ft. moist.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry stiff, w/roots, few gravel up to 1/2" in diameter. @ 0.5 ft. dark brown, moist, concrete cobbles up to 7" in diameter.				
	80	R	16				14.3	116	89	
		B								
5		R	34		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	13.0	120	92	
	75									
10		R	71		ML	@ 10.0 ft. CLAYEY SILT w/SAND, white/orange brown, moist, very stiff.	12.0	120	84	HY, AL
	70									
15		R	38			@ 15.0 ft. slightly moist, brown.	21.3	105	99	
	65									
20		R	35			@ 20.0 ft. light orange brown, moist, stiff.	18.9	105	86	
	60									
25		S	5,9,12							
	55									
30		S	6,7,13		ML	@ 30.0 ft. SILT, light brown, moist, stiff, few clay.				
	50									
35		S	7,13,20			@ 35.0 trace gravel up to 1/4" in diameter.				
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	15,15,15		SC	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; CLAYEY SAND, brown, moist, very stiff.				
40										
45		S	10,10,15		ML	@ 45.0 CLAYEY SILT, brown, moist, very stiff. @ 46.5 ft. gray brown.				
35										
50		S	5,10,12			TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80	R	13				16.1	110	84	
5		R	22		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY w/SAND, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	17.6	112	98	CON, HY
	75	R	80			@ 7.5 ft. brown w/tan mottling.	15.3	112	84	CON, HY
					ML	@ 8.5 ft. CLAYEY SILT, tan, moist, very stiff.				
10		R	60			@ 10.0 ft. light brown w/tan mottling.	13.3	120	92	
	70									
15		R	19				18.6	103	82	
	65									
20		R	24			@ 20.0 ft. brown w/orange mottling.	19.9	105	91	
	60									
25		S	6,8,10		CL	@ 25.0 ft. SILTY CLAY, brown, moist, stiff.				HY, AL
	55									
30		S	7,7,10							
	50									
35		S	9,15,14		ML	@ 35.0 ft. CLAYEY SILT, brown, w/orange mottling, moist, very stiff.				
	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	10,10,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, stiff, few clay.				
					SP	@ 41.5 ft. SAND, fine to medium grained, light brown, medium dense, few silt.				
	40									
45		S	19,31,25							
	35									
50		S	3,6,10		ML	@ 50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
0	83	B			CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist, concrete cobbles up to 1' in diameter				MAX, EI, HY, CHEM
5	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown, moist, stiff, trace gravel up to 1/4" in diameter.	16.1	114	95	
10	75	R	38		ML	@ 10.0 ft. CLAYEY SILT, light tan, moist, very stiff.	18.1	102	77	
15	70	R	31			@ 15.0 ft. brown, very stiff.	23.1	100	95	
20	65	R	26		CL	@ 20.0 ft. SILTY CLAY, brown w/orange mottling, moist, very stiff.	18.4	107	89	
25	60	S	3,7,9			@ 25.0 ft. stiff.				
30	55	S	4,6,9			@ 30.0 ft. trace gravel up to 1/4" in diameter.				
35	50	S	9,14,16		ML	@ 35.0 ft. CLAYEY SILT, brown, moist, very stiff.				
45	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	13,15,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, very stiff, fine grained sand.				
	40									
45		S	13,17,21			@ 45.0 ft. more sand.				
	35									
50		S	3,6,10		ML	@50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- [R] RING (DRIVE) SAMPLE
- [S] SPT (SPLIT SPOON) SAMPLE
- [B] BULK SAMPLE [T] TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter.				
	80					@0.5 ft. dark brown, moist.				
5		R	15		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): CLAYEY SILT, light tan, slightly moist, stiff.	11.6	105	53	
	75									
10		R	58			@ 10.0 ft. light brown.	18.7	106	88	
	70									
15		R	33			@ 15.0 ft. brown w/tan mottling, very stiff.	21.7	104	97	
	65									
20		R	33				19.7	105	90	
	60				ML	@ 21.0 ft. SILT, orange brown, moist, very stiff.				
25		S	5,6,9		ML	@ 25.0 ft. CLAYEY SILT, brown, moist, stiff.				
	55									
30		S	5,7,9			@ 30.0 ft. orange brown.				
	50									
35		S	7,11,14							
	45					Continued.				

SAMPLE TYPES:
R RING (DRIVE) SAMPLE
S SPT (SPLIT SPOON) SAMPLE
B BULK SAMPLE T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	4,6,14		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown w/orange mottling, moist, stiff, few clay.				
40										
45		S	6,8,12		CL	@ 45.0 ft. SILTY CLAY, brown, moist, stiff.				
35										
50		S	7,10,13		ML	@ 50.0 ft. CLAYEY SILT, brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	P-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80									
					CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 4.0 ft. brown.				
5						TOTAL DEPTH 5.0 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-6

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk sample was evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively "undisturbed" soil samples at their natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

compression to the original 1-inch height. The consolidation test results are shown on Plates C-1 and C-2.

Atterberg Limits

Atterberg limit testing of two samples was performed by Alta. The results of these tests are presented on Table C.

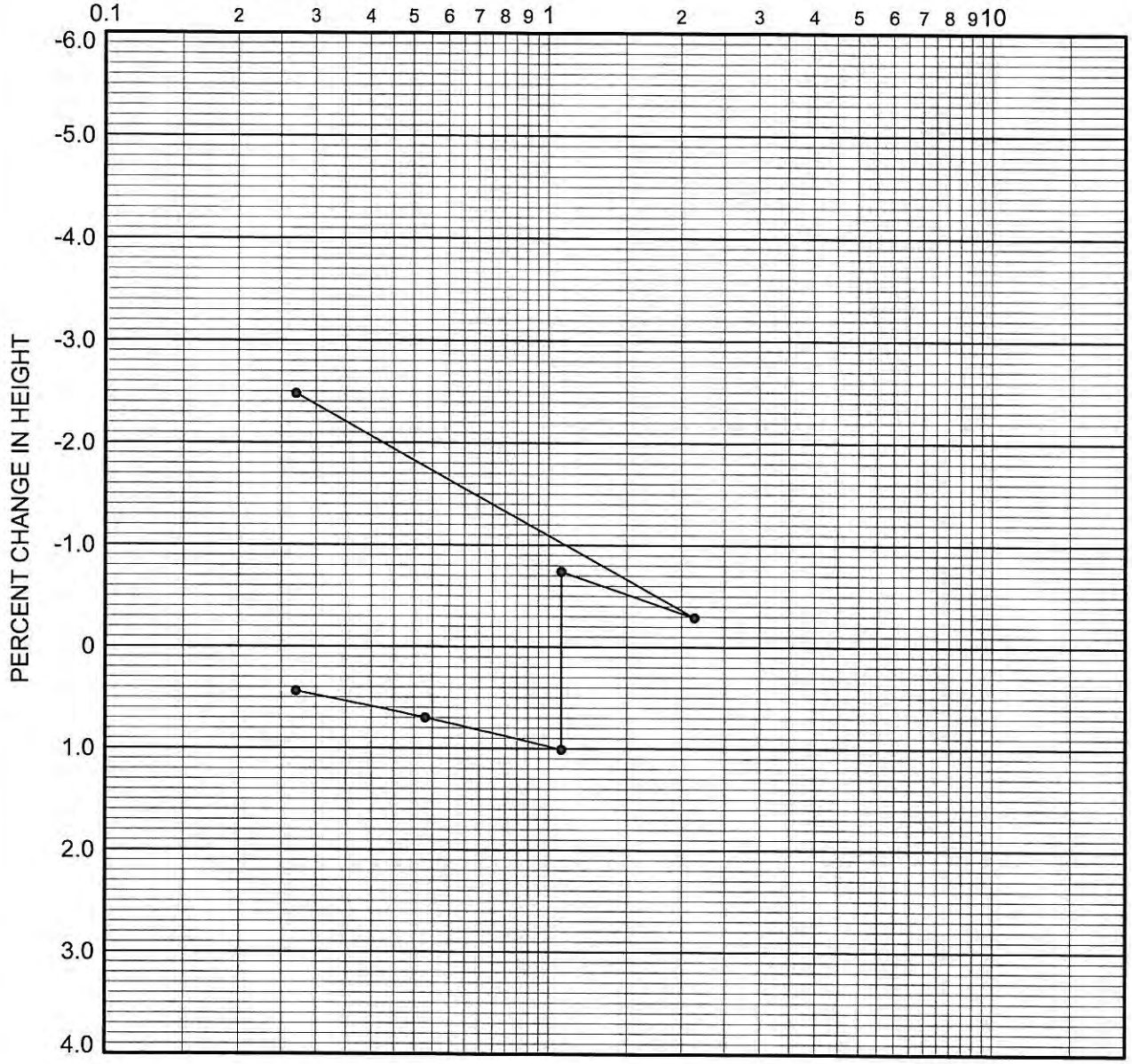
Chemical Analyses

Chemical testing of selected samples was performed by Alta. The results of these tests are presented in Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0286

Boring/Pit No.	Depth (Feet)	Soil Description	Group Symbol - Unified Soil Classification System	Maximum Dry Density		Direct Shear	Grain Size Analysis				Expansion Index	Sulfate Content (%)	Consolidation	Other Tests Remarks
				Maximum Density (pcf)	Optimum Moisture (%)		Gravel (% + No. 4 Screen)	% Sand	%Silt (0.074 to 0.005mm)	% Clay (-0.005 mm)				
B-2	10	Clayey Silt w/Sand (Qya)	ML				0	26	41	33				LL=31 PL=18 PI=13
B-3	5	Silty Clay w/Sand (Qya)	CL				0	32	28	40			See Plate C-1	
B-3	7.5	Silty Clay (Qya)	CL				1	17	40	42			See Plate C-2	
B-3	25	Silty Clay (Qya)	CL				0	4	43	53				LL=47 PL=26 PI=21
B-4	2-5	Silty Clay w/Sand (af)	CL	122.9	12.3		1	23	37	39	83	ND		Min. Resistivity - 950 OHM-CM Chloride - 10ppm PH - 7.4

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	5.0	112	17.6	98	68	CL	Silty Clay w/Sand (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

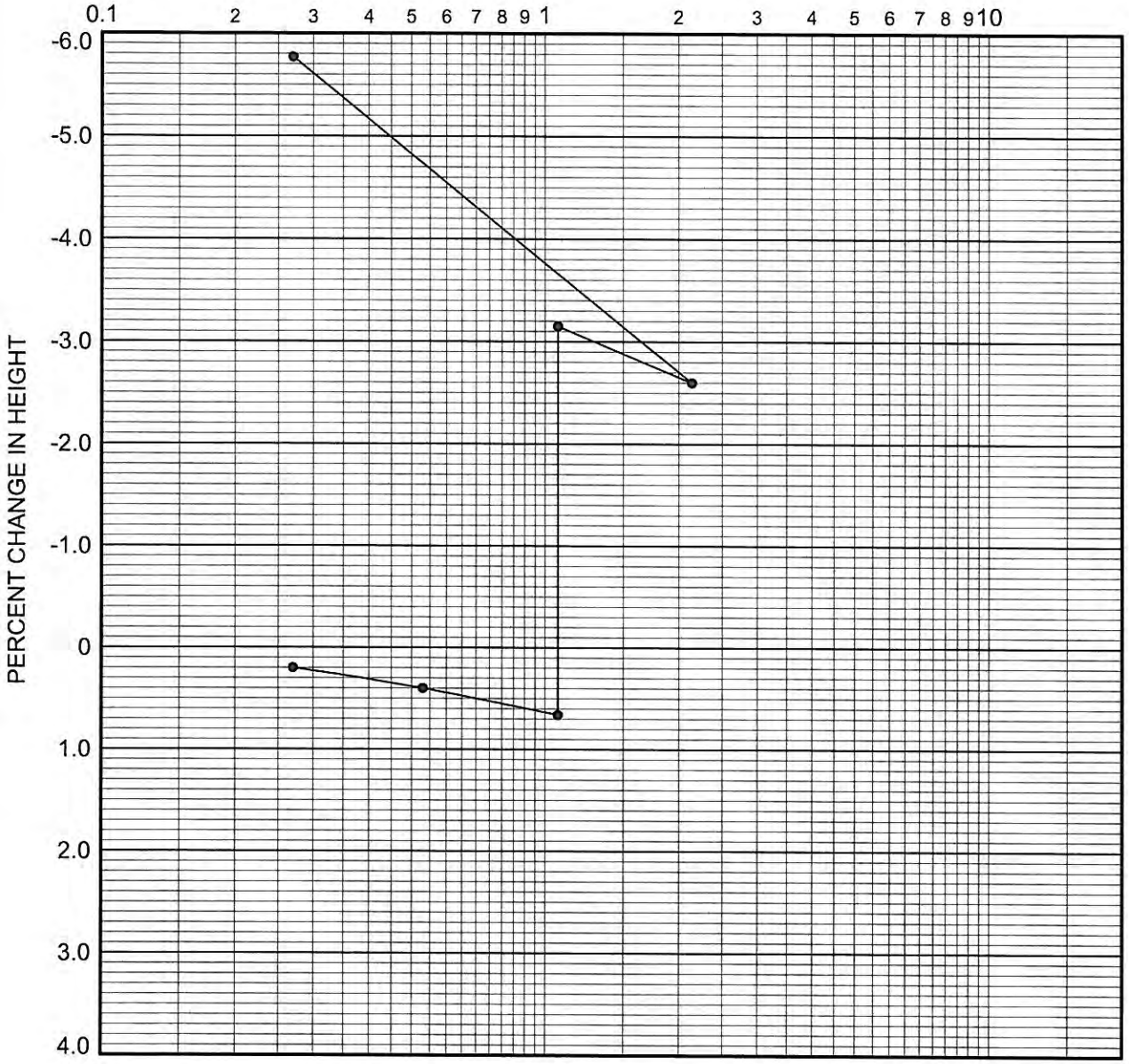
CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-1

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	7.5	112	15.3	84	82	CL	Silty Clay (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-2

Appendix D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

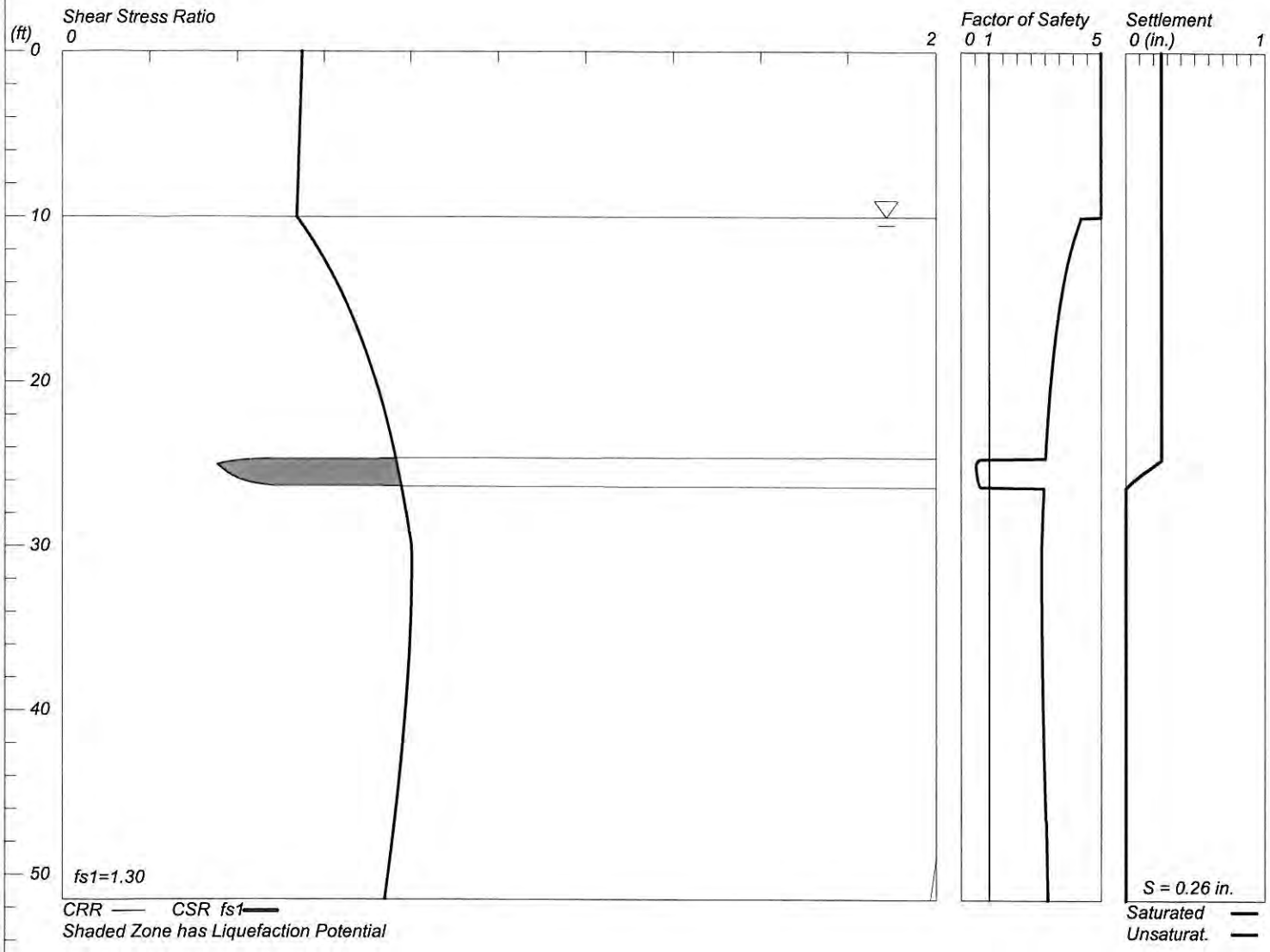
A liquefaction analysis was performed for the site based on SPT data gained from the hollow stem auger drilling. The Ishihara/Yoshimine method to analyze dynamic settlement for the SPT data. The calculations used the following constants: 0.65g for site acceleration, 7.1 for the magnitude of the earthquake, and a groundwater depth of 10 feet below existing grade. A factor of safety of 1.3 was utilized. The results are presented on Plate D-1 through D-5.

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-1 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



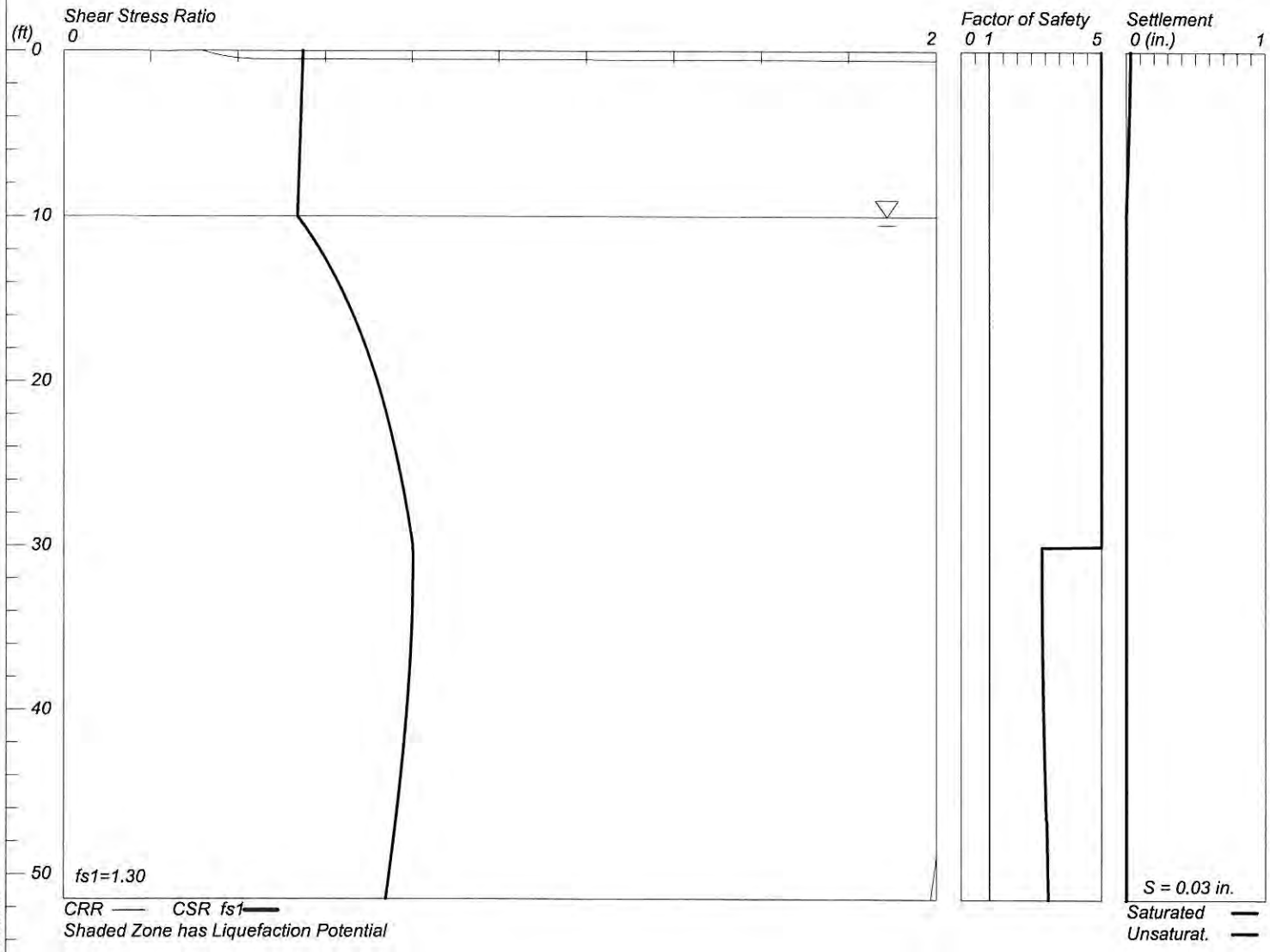
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-2 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



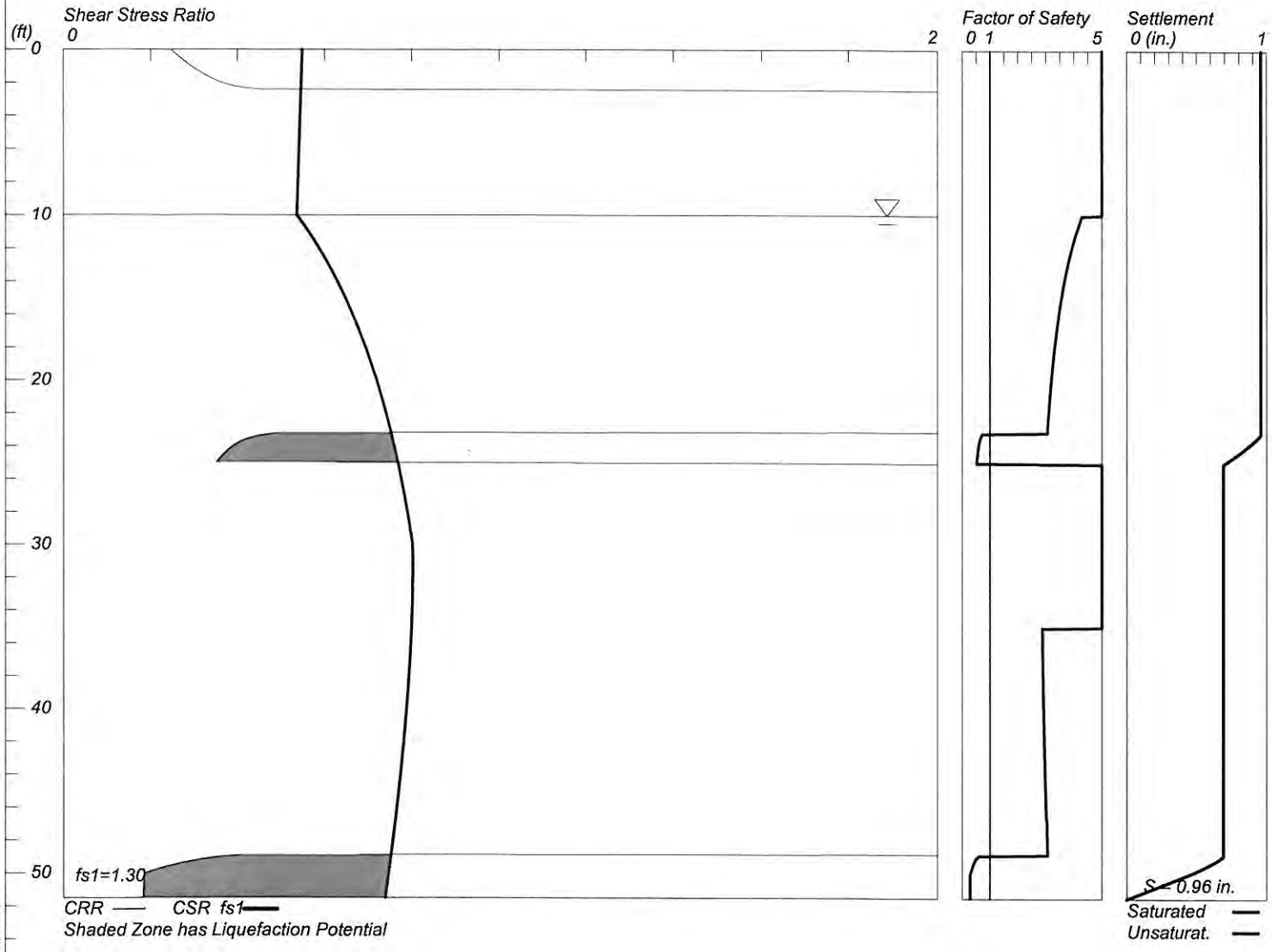
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-3 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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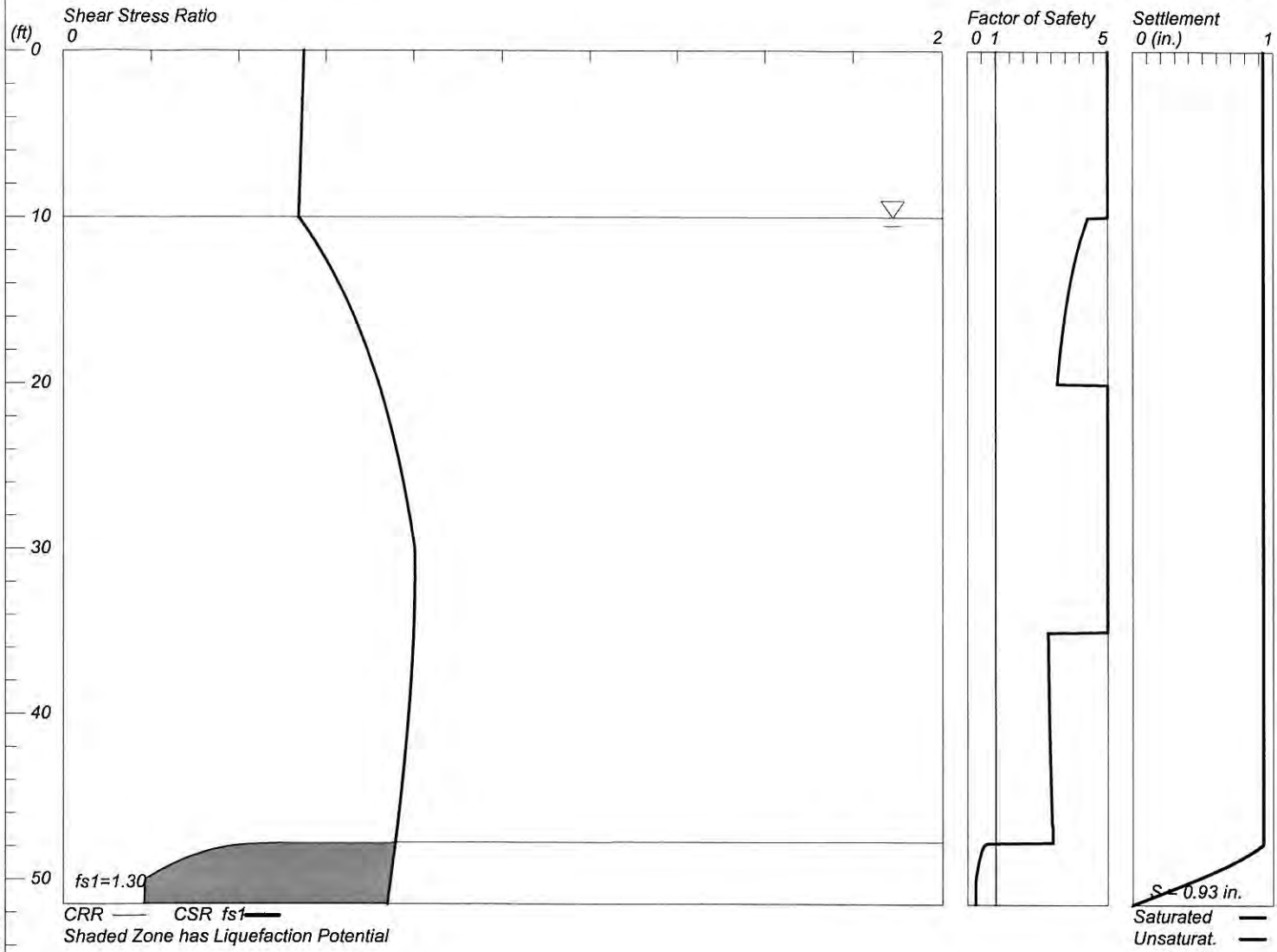
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-4 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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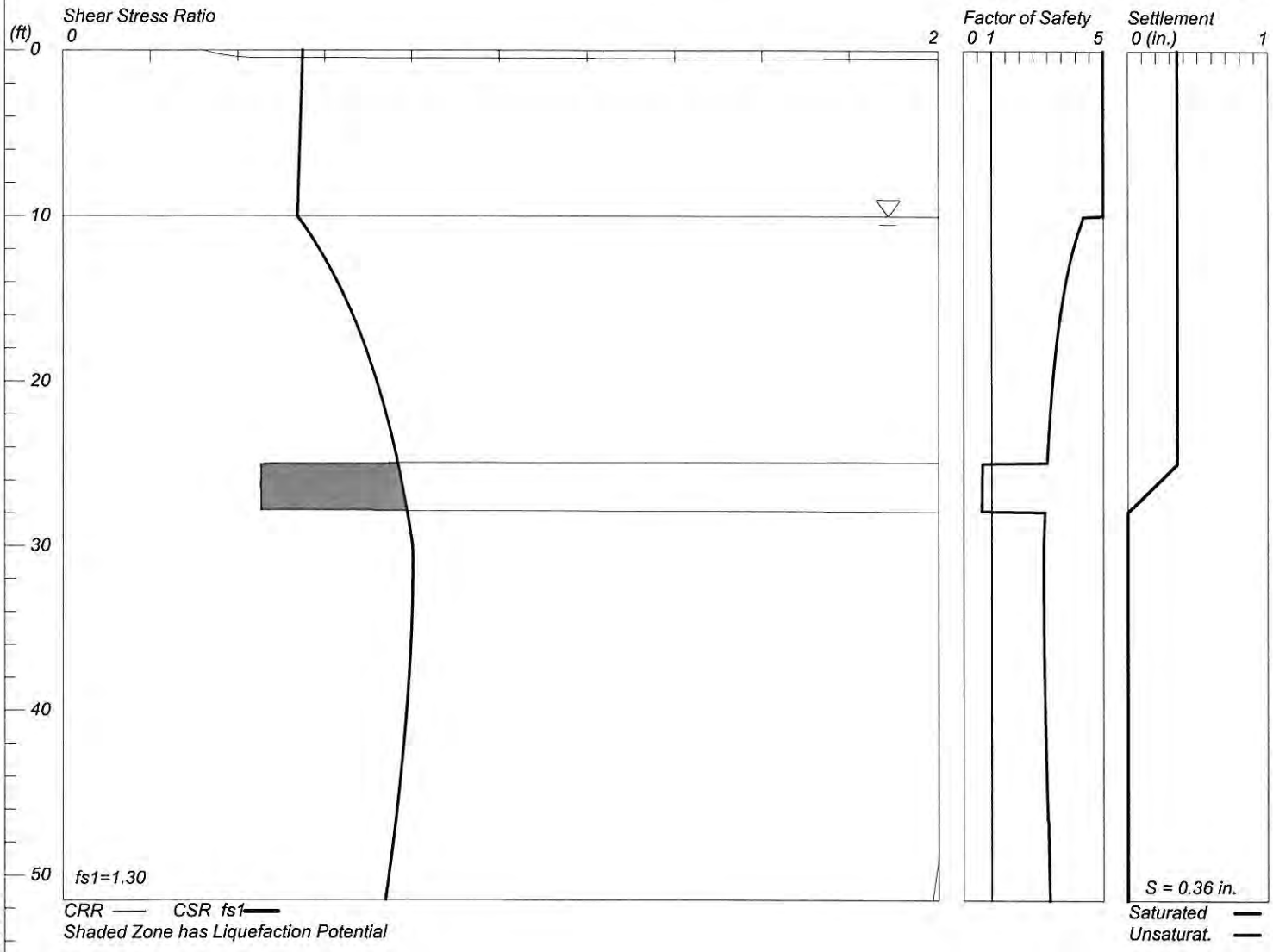
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-5 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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APPENDIX E

Maintenance Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.
- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. **ENGINEERED FILLS**

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. **FINISHED SLOPES**

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

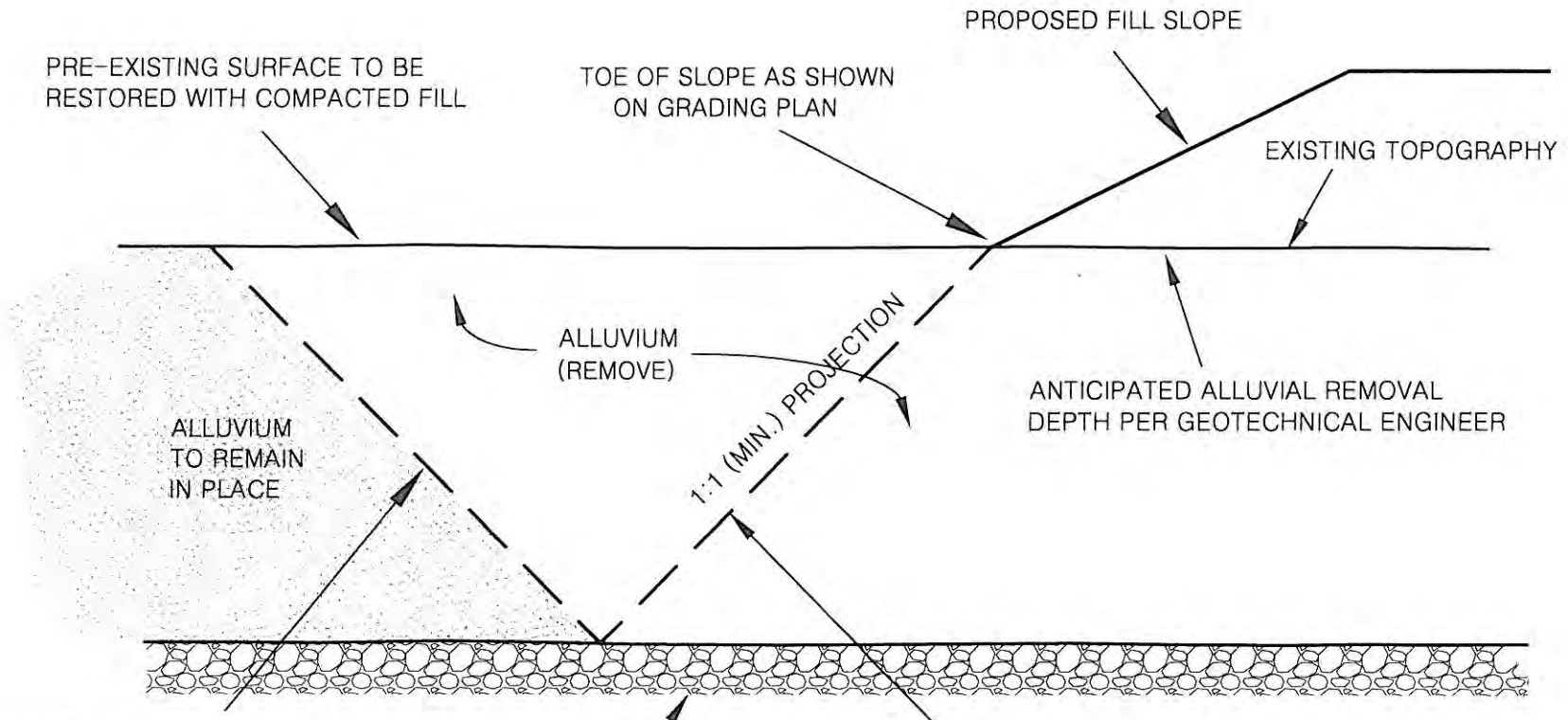

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PLATE G-1

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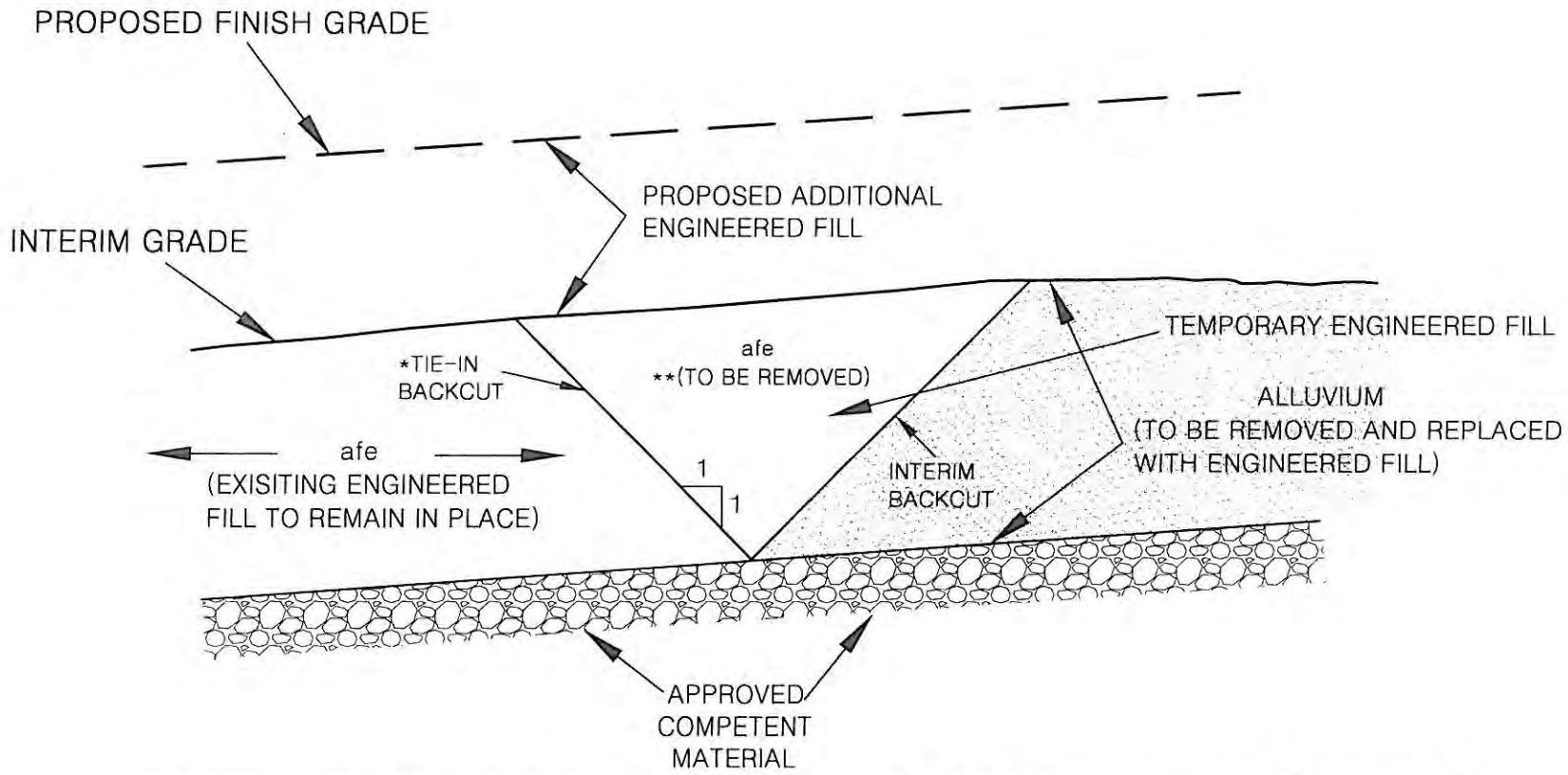
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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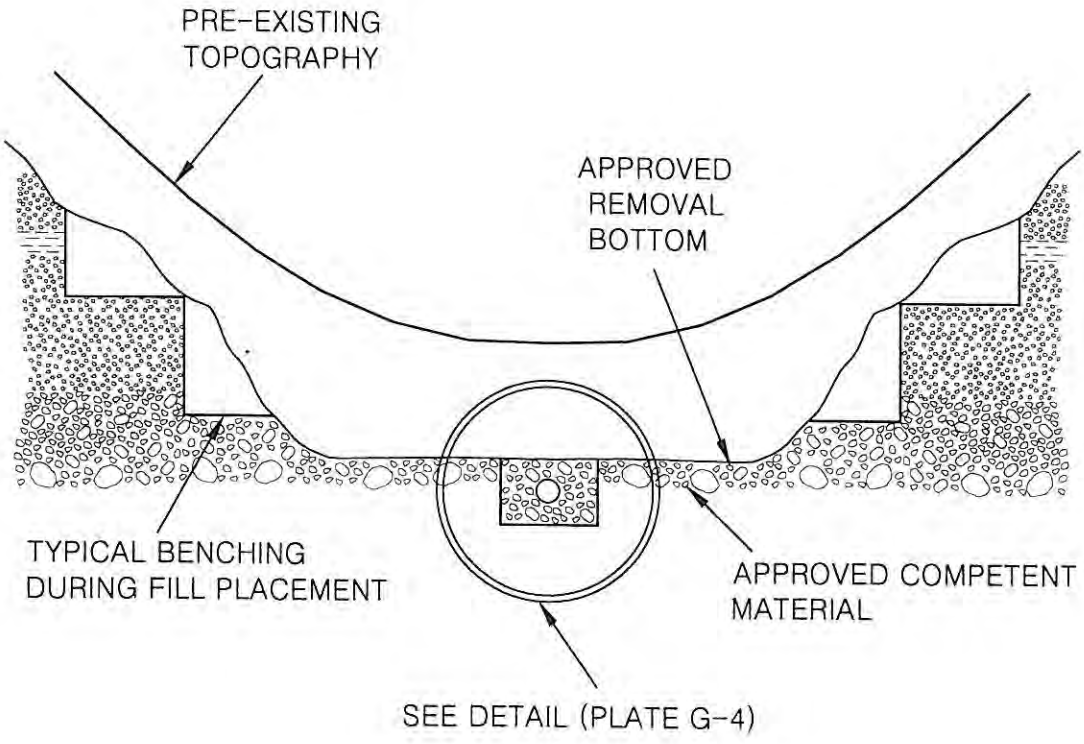
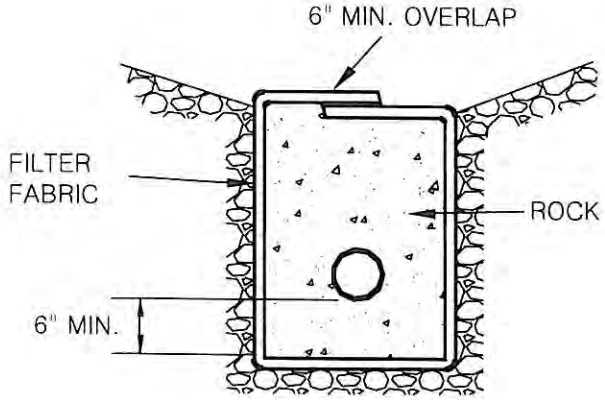
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL



PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK

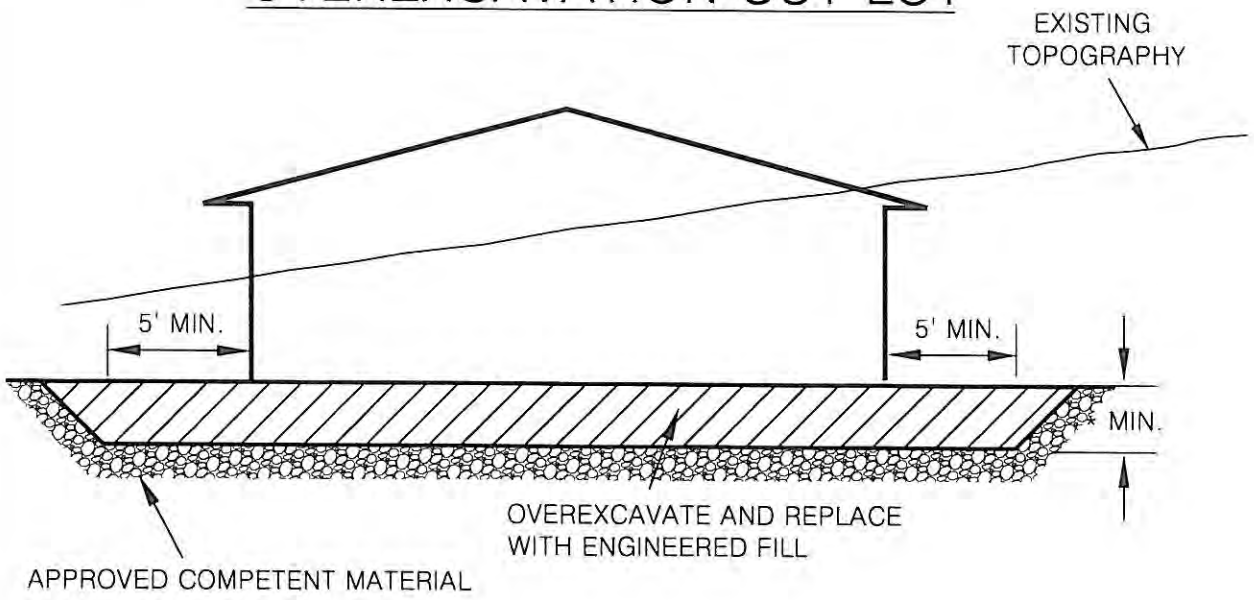
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

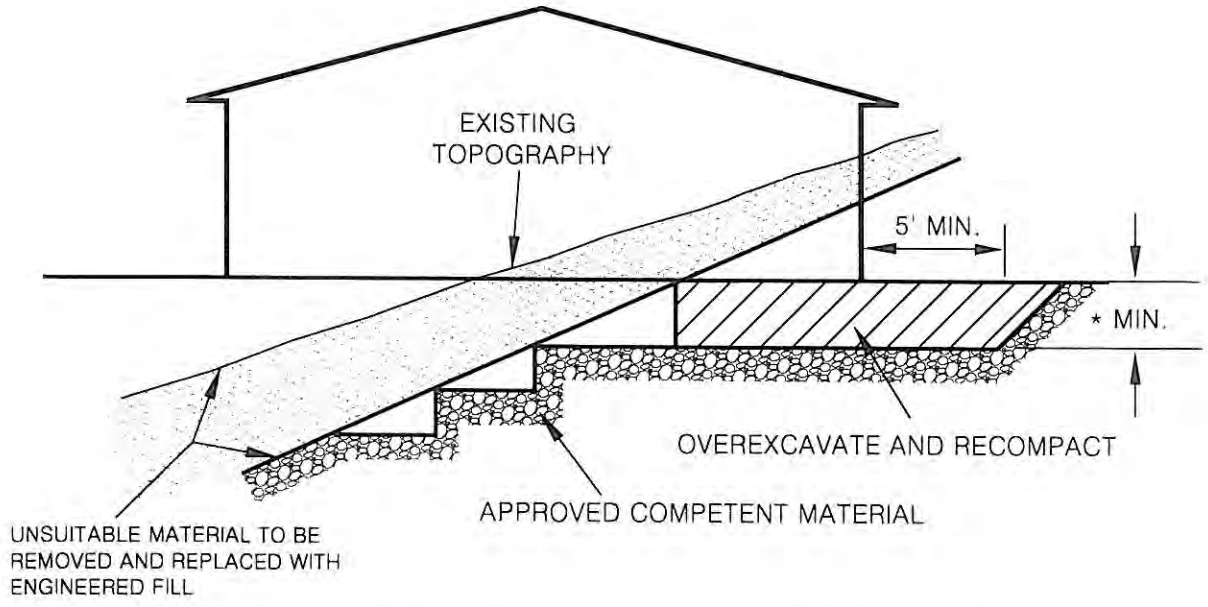
NOTES:

1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



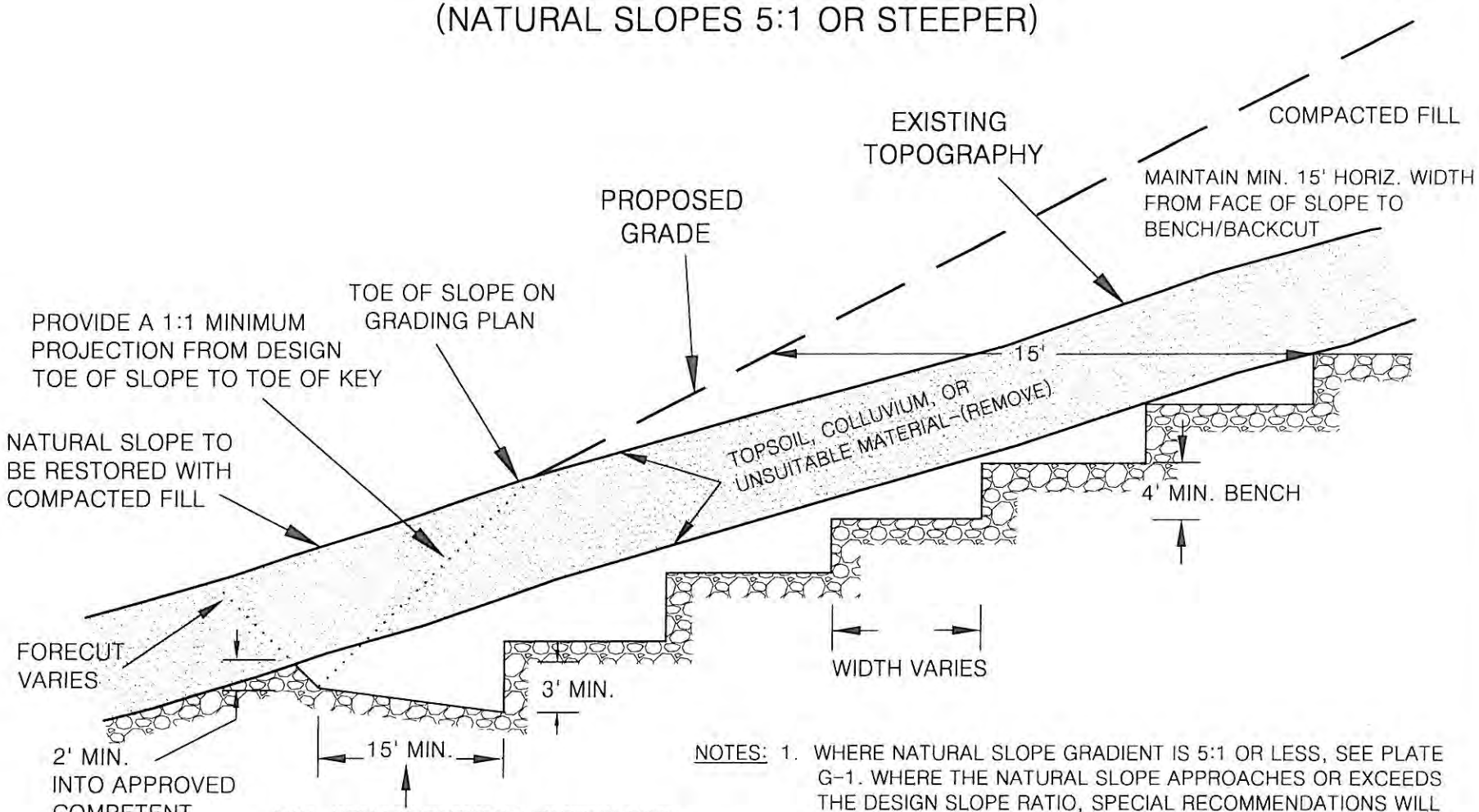
CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

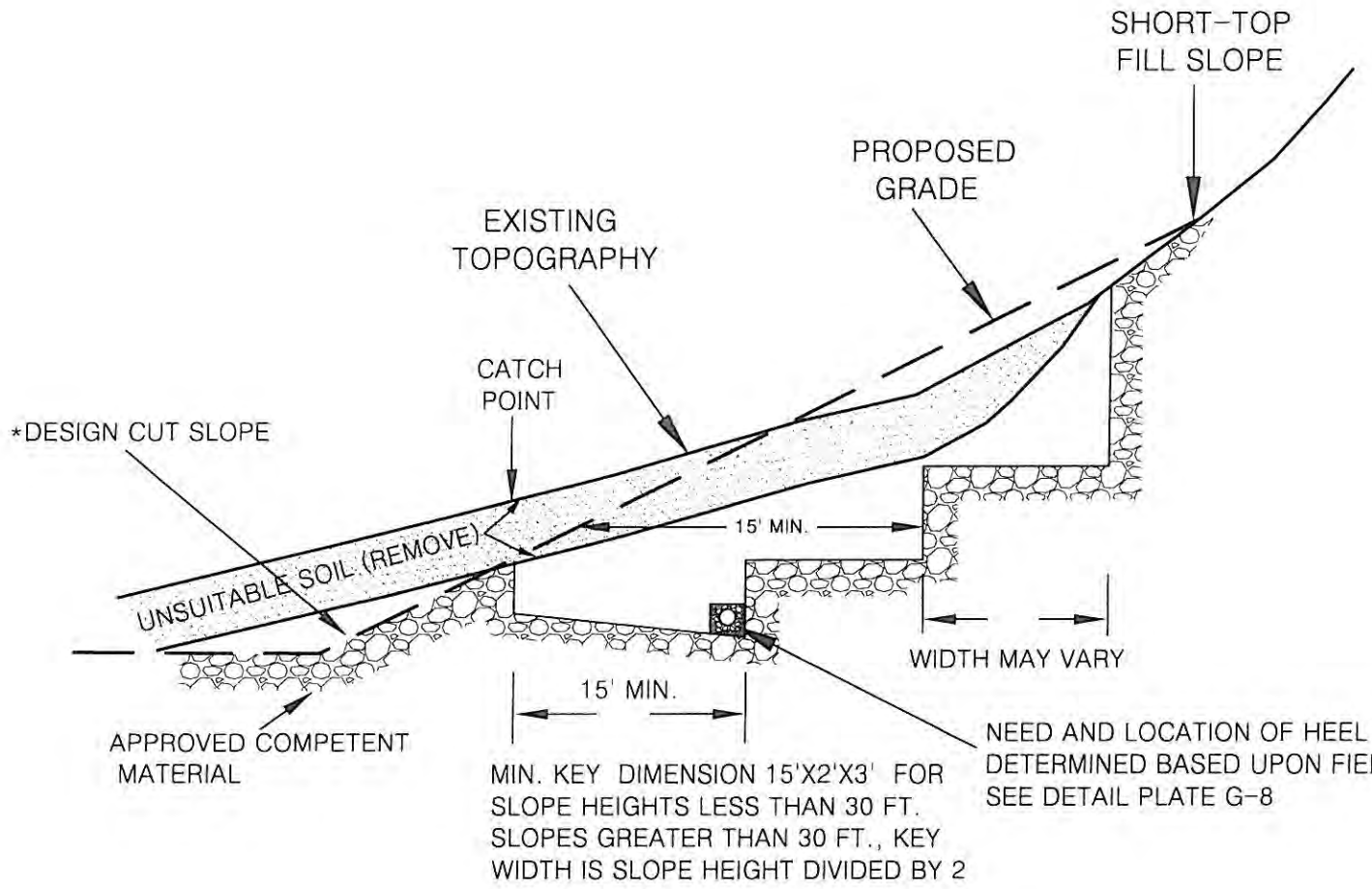
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:
1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

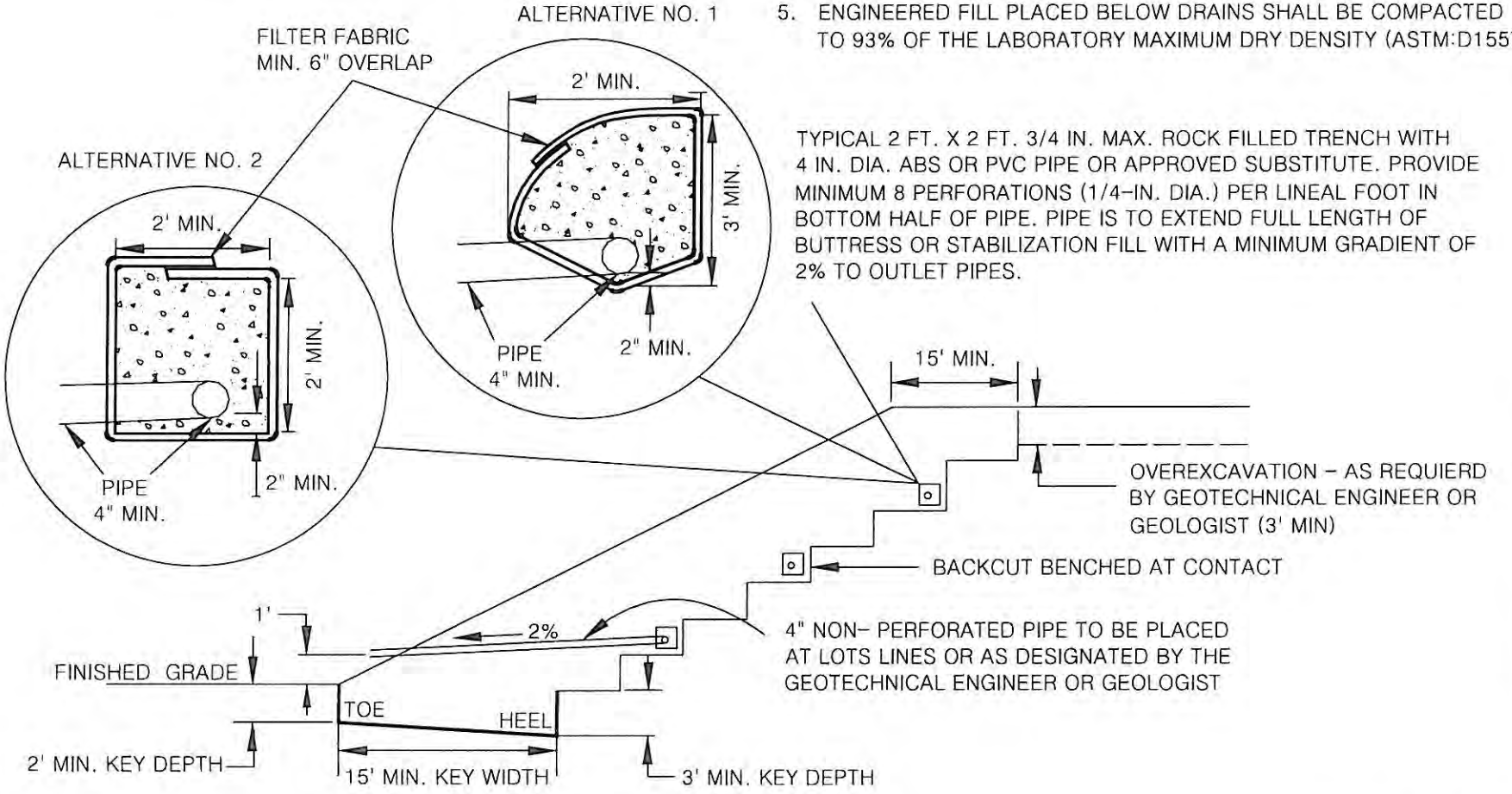

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PLATE G-8

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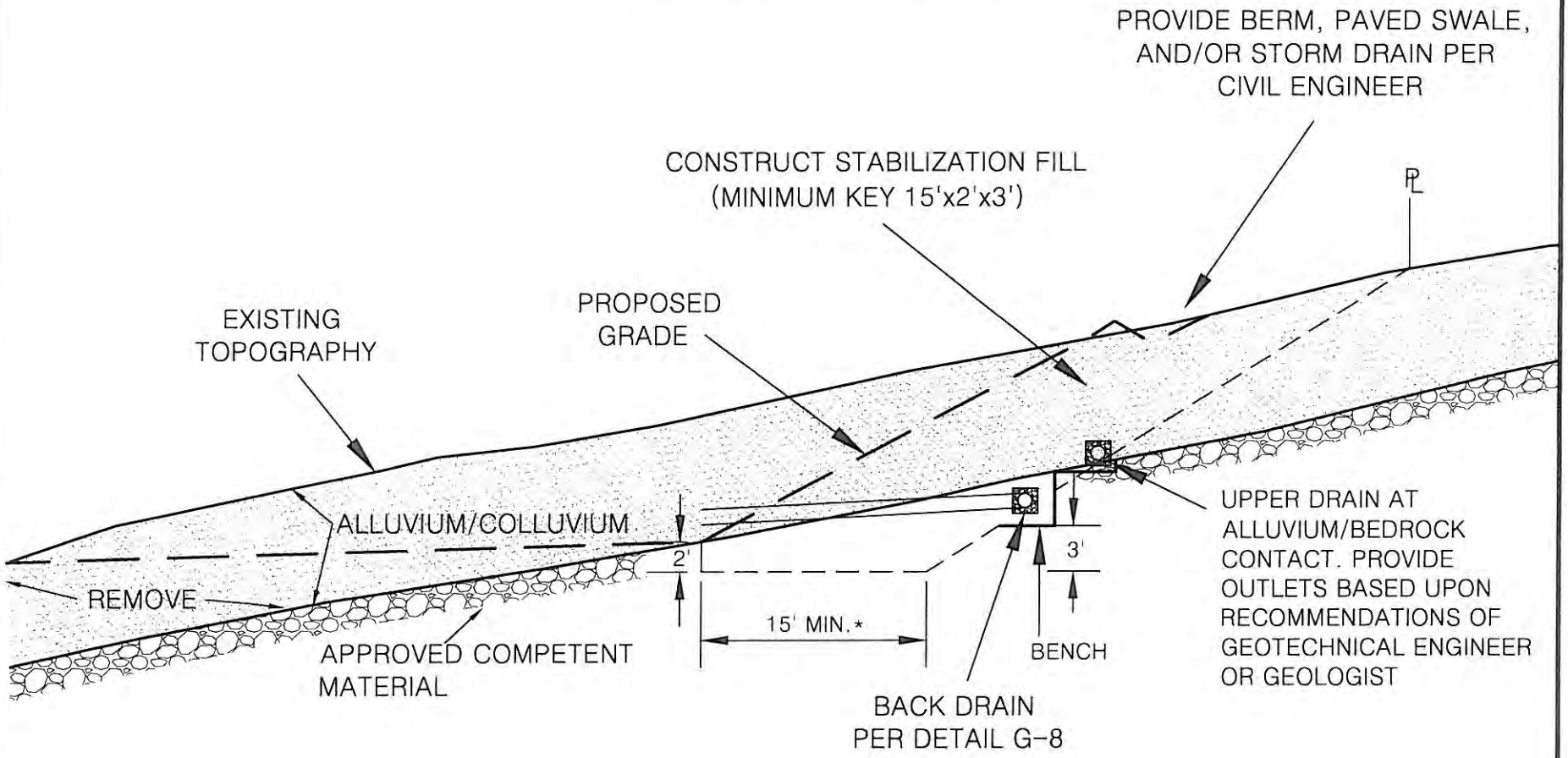
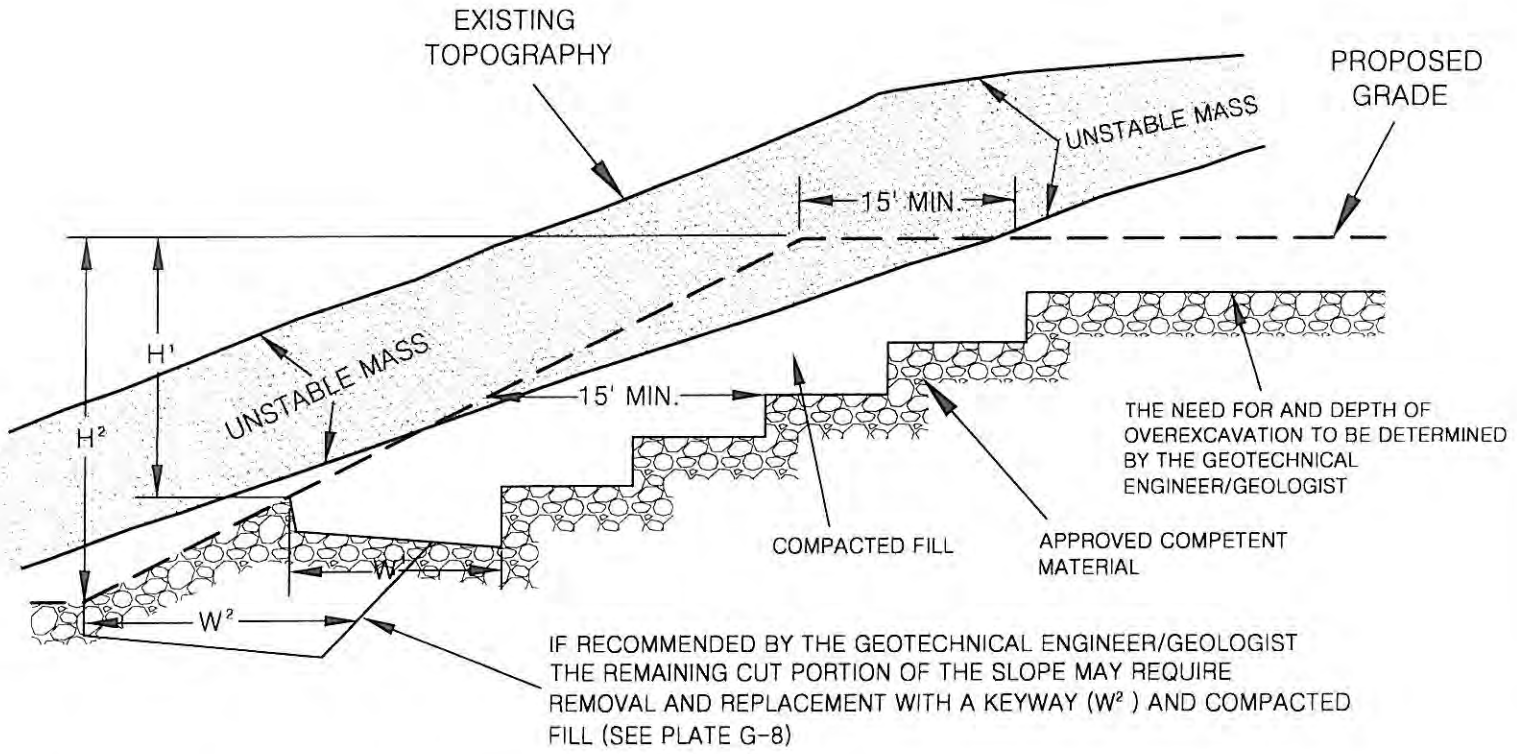
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

SKIN FILL SLOPE OVER NATURAL GROUND

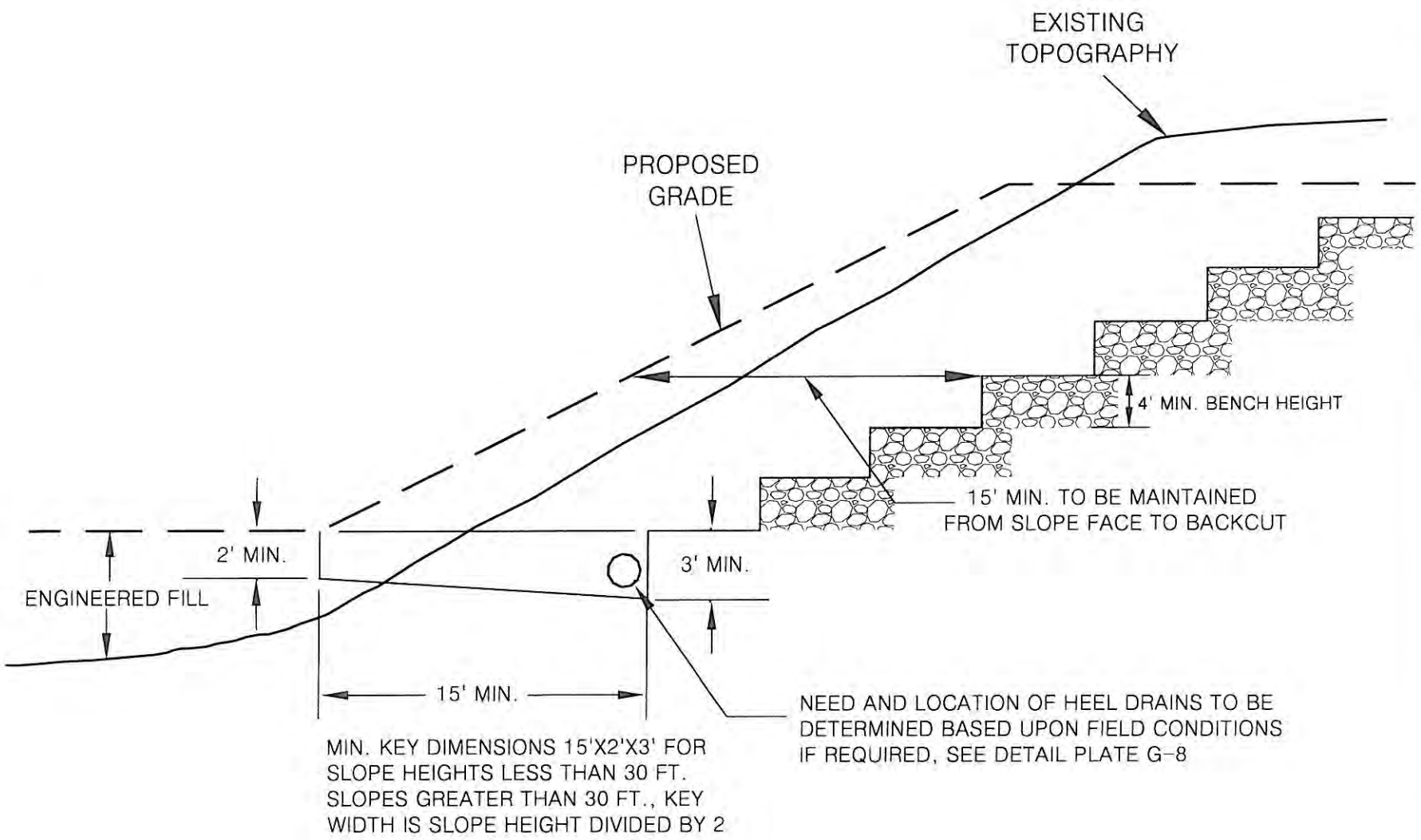


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PLATE G-11

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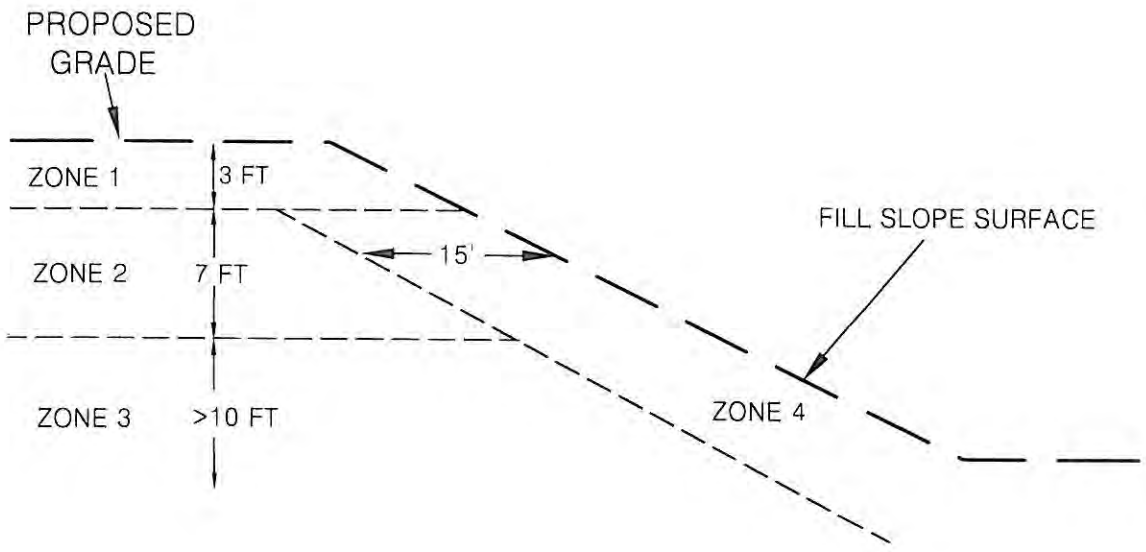
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤0.5 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

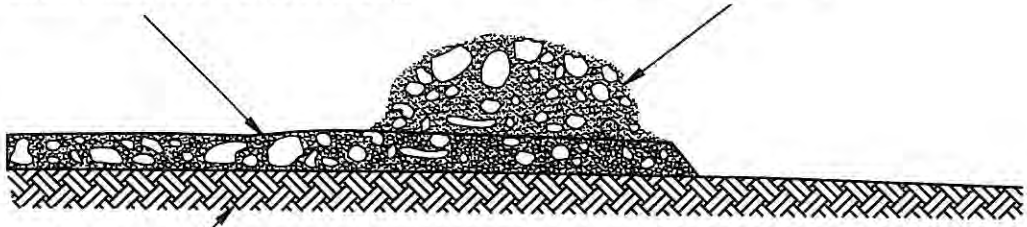
ROCK BLANKET DETAILS

LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)

APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER), HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

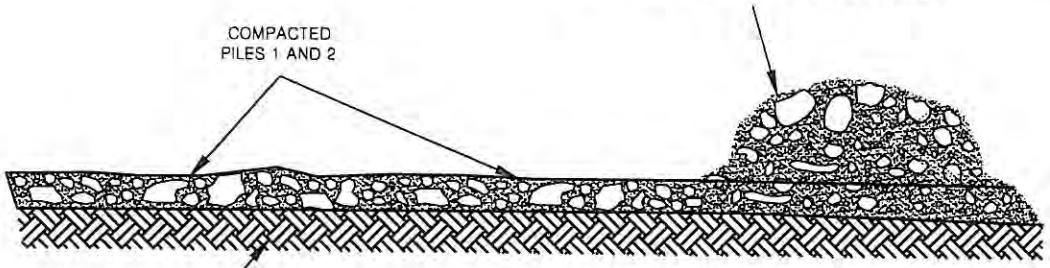
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

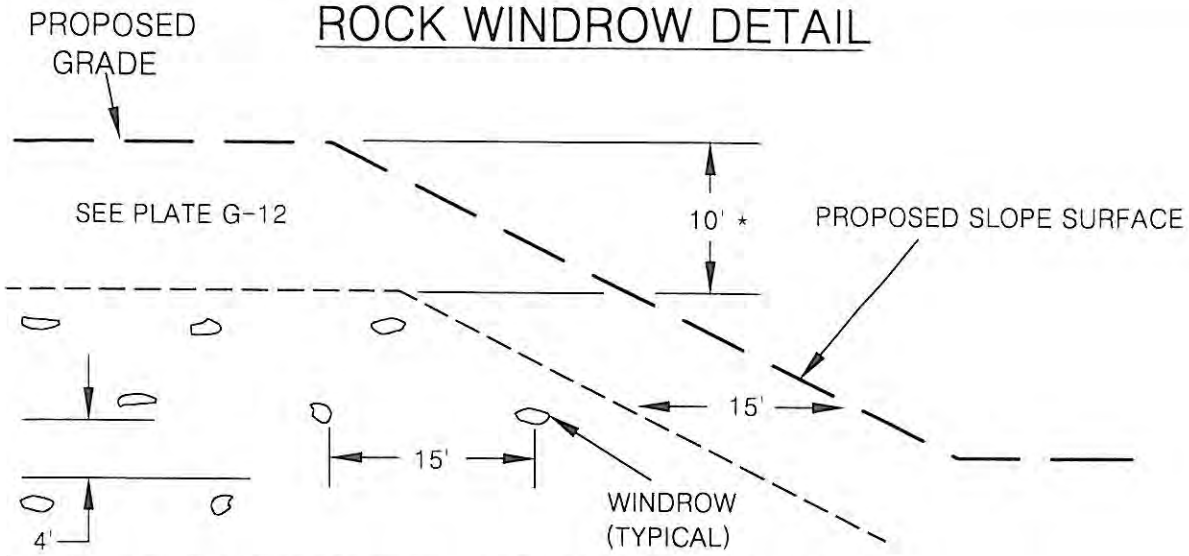


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

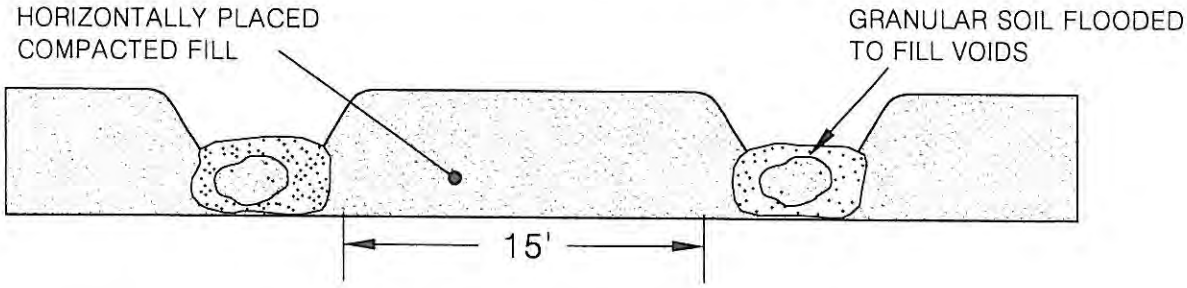
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



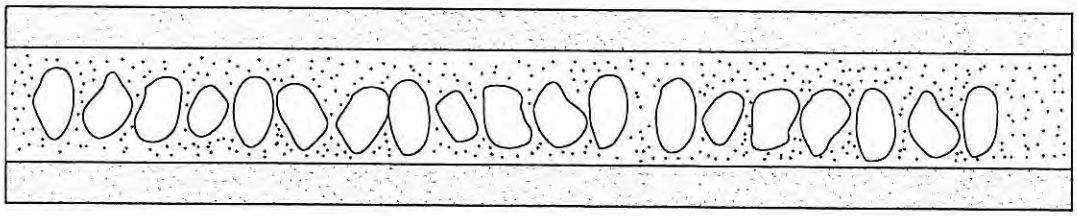
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

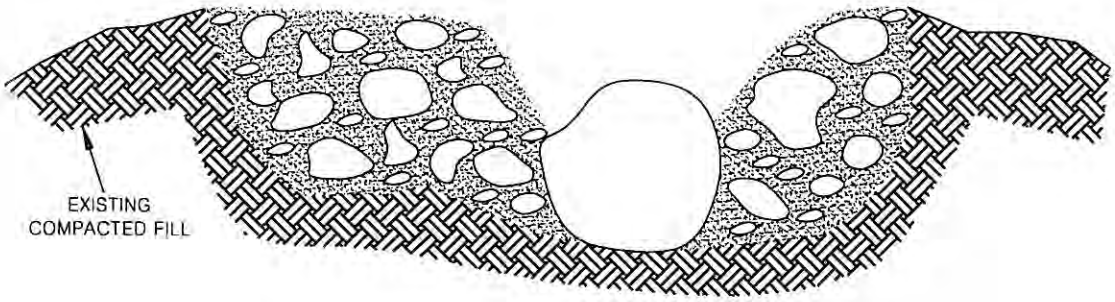


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

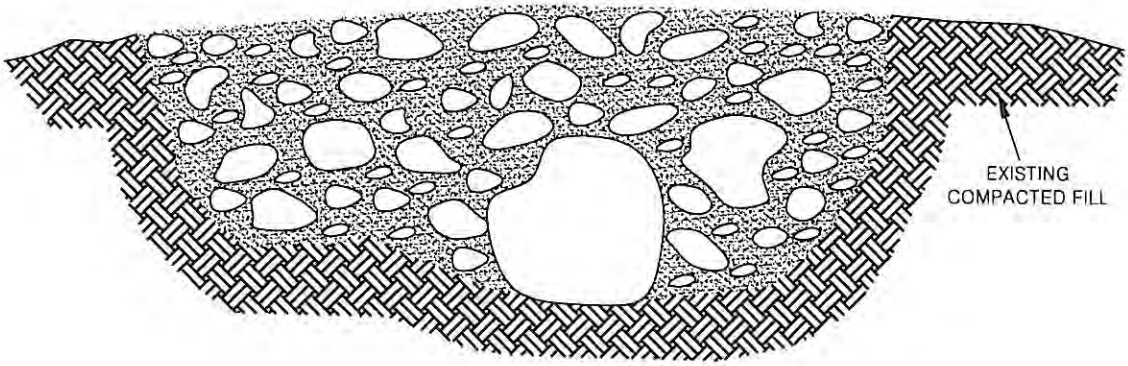
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

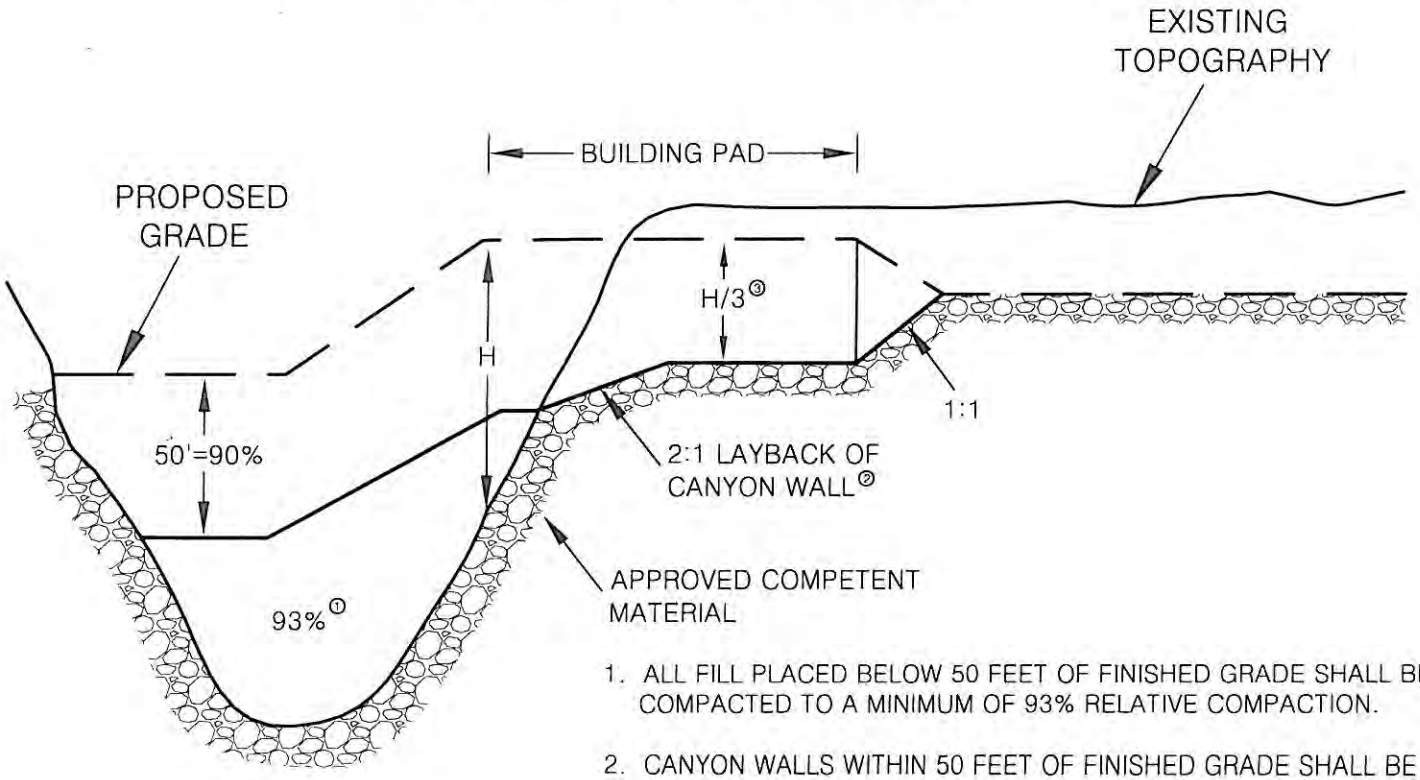


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

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VER. 3/12

PLATE G-16

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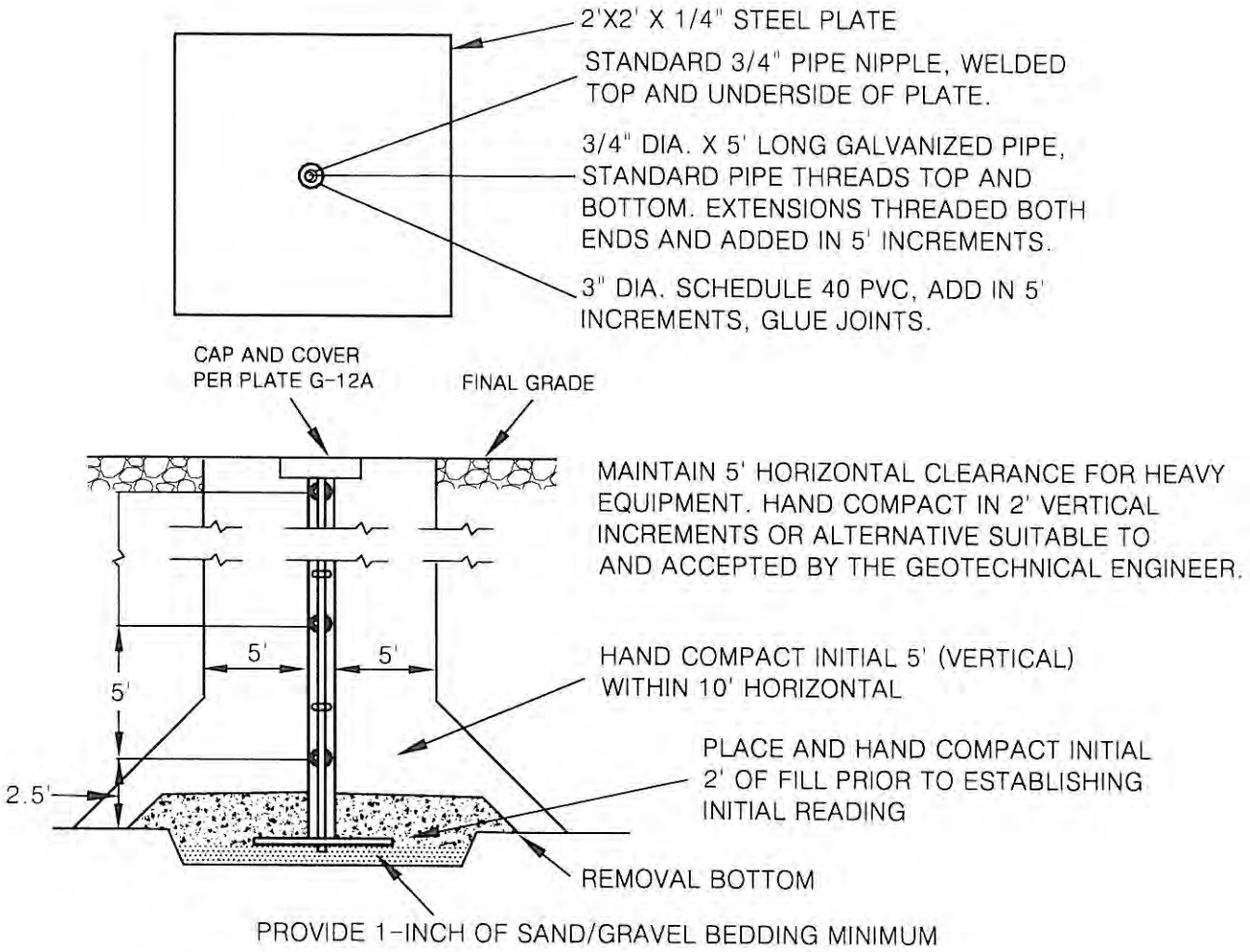
SETTLEMENT PLATE DETAIL



NOTES:

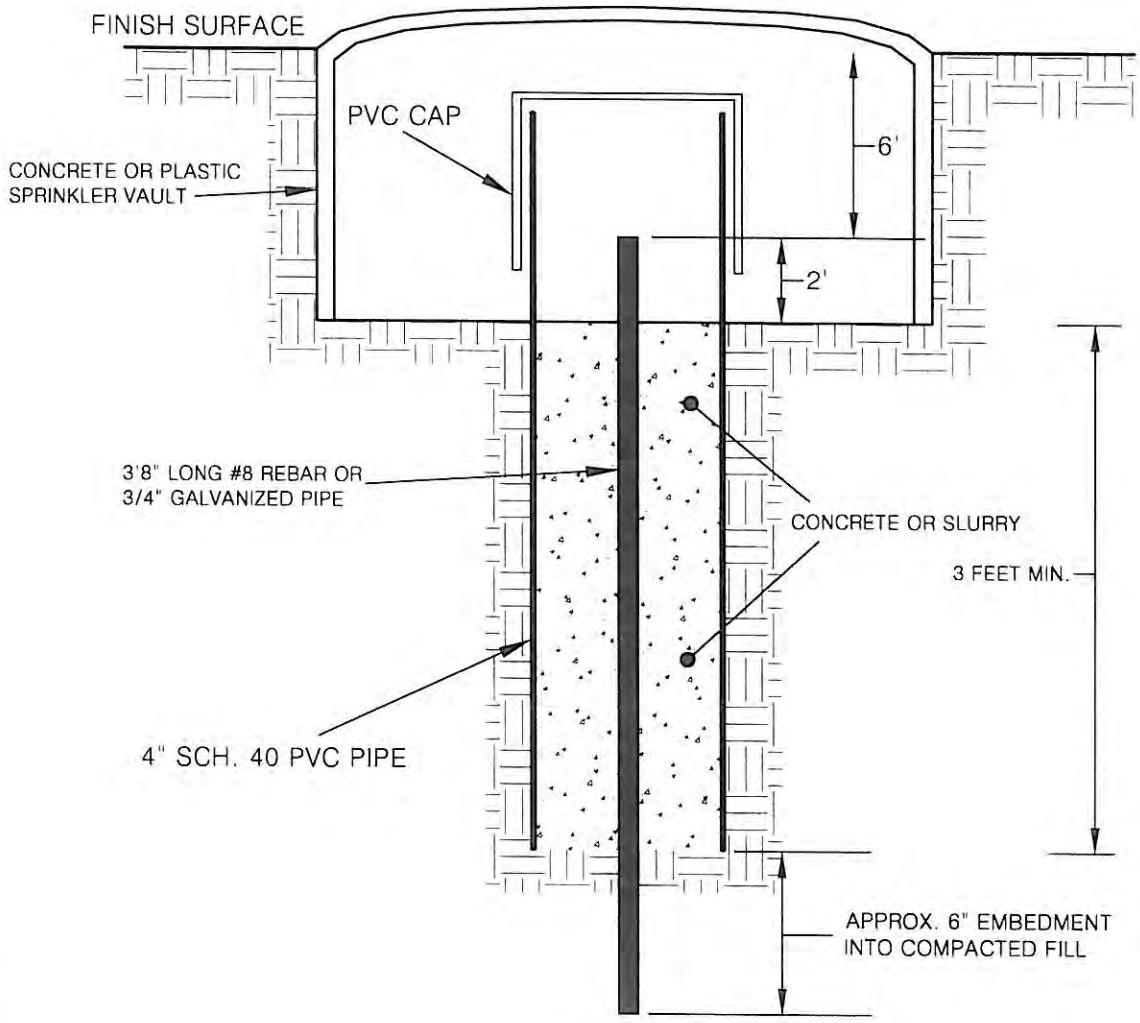
1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

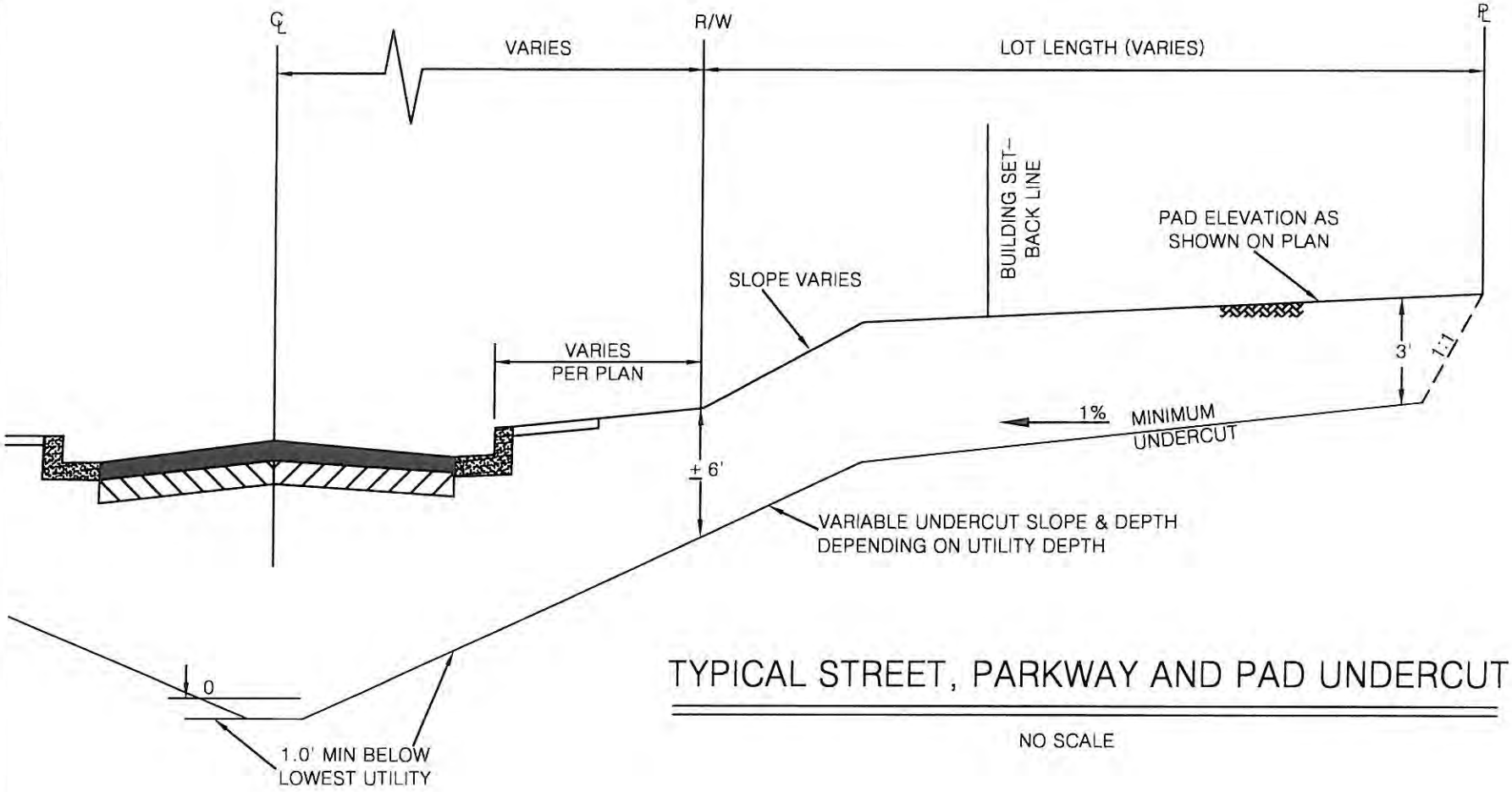
2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL





TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

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VER. 3/13

PLATE G-19

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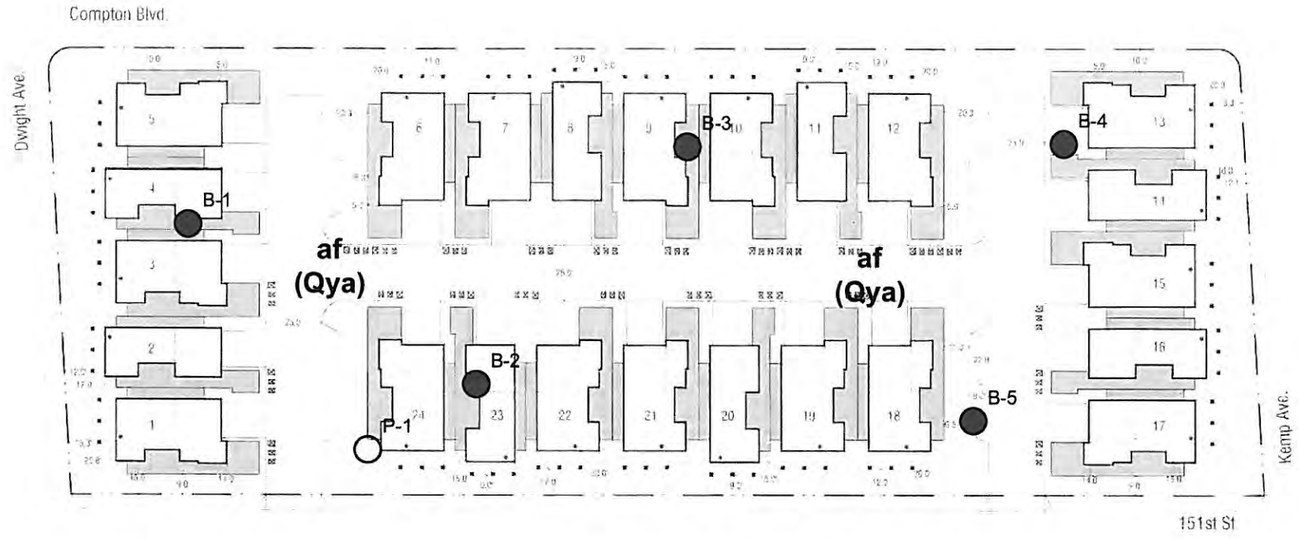

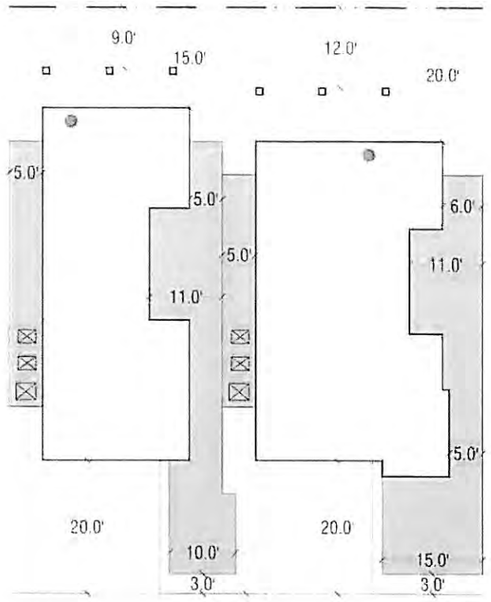

25.0'

Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan:	Medium Density Residential
Proposed General Plan:	Medium Density Residential
Existing Zoning:	CL - Limited Commercial & P - Parking
Proposed Zoning:	R-M-D - Medium Density Residential - Planned Development
Max. Density:	17.14 Homes per Acre (2,500 sf/home)
Proposed Setbacks:	Compton Blvd: 15' to building 9' to covered porch
	Dwight Ave: 15' to building 12' to covered porch
	Kemp Ave: 15' to building 12' to covered porch
	151st St: 14' to single story element (building 1 & 17) 15' to front of building 9' to covered porch
Building Separation:	10'
Max. Building Height:	35'

LEGEND

af	ARTIFICIAL FILL
Qya	YOUNG QUATERNARY ALLUVIUM (BRACKETED WHERE BURIED)
B-3	APPROXIMATE LOCATION OF HOLLOW STEM AUGER BORING
P-1	APPROXIMATE LOCATION OF INFILTRATION TEST

Notes:

PLATE 1

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0285 DATE: May 6, 2019

CONCEPTUAL SITE PLAN

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

0 15 30 60

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Preliminary Low Impact Development (LID) Plan

Prepared for:
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Kim Prijatel
(949) 258-7555

Property:
TTM 82807
APN 6161-001-902
930 W. Compton Boulevard
Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Philip Malcomson, P.E.

Preparation Date: August 2019
Revised: March 2021

Receipt of WDID

REPLACE THIS SHEET

To be provided prior to final approval

Notice of Intent

REPLACE THIS SHEET

To be provided prior to final approval

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Project Owner's Certification of the Preliminary Low Impact Development (LID) Plan

Project Name: ***Concord***

Project Number: **Tentative Tract Map No. 82807**
APN 6161-001-902

Project Address: **930 W. Compton Boulevard**
Compton, CA 90220

This Preliminary Low Impact Development (LID) Plan for the ***Concord*** (***TM 82807)*** project has been prepared for City Ventures by C&V Consulting, Inc. It is intended to comply with the requirements of the City of Compton's Conditions of Approval.

The undersigned is authorized to approve implementation of provisions of this plan as appropriate, and will strive to have the plan carried out by successors consistent with the County of Los Angeles LID Manual and the intent of the NPDES storm water requirements.

"I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner's Name:	Kim Prijatel		
Owner's Title:	Vice President of Development		
Company:	City Ventures		
Address:	3121 Michelson Drive, Suite 150, Irvine, CA 92612		
Email:	kprijatel@cityventures.com		
Telephone No.:	(949) 258-7555		
Signature:		Date:	

Engineer Certification

Engineer's Name:	Philip Malcomson		
Engineer's Title:	President		
Company:	C&V Consulting, Inc.		
Address:	9830 Irvine Center Drive, Irvine, CA 92618		
Email:	pmalcomson@cvc-inc.net		
Telephone No.	(949) 916-3800		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2012-0175, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature		Date	
Place Stamp Here			

Section 200

A. Contact Information/List of Responsible Parties

The property contact information is:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

The property owner shall have primary responsibility and significant authority for the implementation, maintenance, and inspection of the property BMPs. Duties of the Owner include but are not limited to:

- Implementing all elements of the LID, including but not limited to:
  - Implementation of prompt and effective erosion and sediment control measures
  - Implementing all non-storm water management, and materials and waste management activities, such as: monitoring, discharges, general site clean-up; vehicle and equipment cleaning, spill control; good construction housekeeping to ensure that no materials other than storm water are discharged which may have an adverse effect on receiving waters or storm drain systems, etc.
- Pre-storm inspections
- Storm event inspections
- Post-storm inspections
- Routine inspections as described in the LID
- Ensuring elimination of all unauthorized discharges
- The Owner shall be assigned authority to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate all of the necessary corrections/repairs are made immediately, and that the project complies with the LID at all times.
- Managing and report any Illicit Connections or Illegal Discharges.

Section 300

A. References

The following documents are made a part of this LID by reference:

- Project plans and specifications for the City of Compton to support the ***Concord (TM 82807)*** project, prepared by C&V Consulting, Inc., 9830 Irvine Center Drive, Irvine, CA 92618.

- County of Los Angeles Department of Public Works, Low Impact Development Standards Manual dated February 2014

- State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

- California Stormwater BMP Handbook – Construction, January 2009.

- California Stormwater BMP Handbook – New Development and Redevelopment, January 2003.

- Los Angeles County Municipal Stormwater/ NPDES Permit Order R4-2012-0175

Section 400 – Body of LID

A. Objectives

This Low Impact Development (LID) Plan has four main objectives:

1) Identify all pollutant sources, including sources of sediment that may affect the quality of storm water discharges associated with daily use / activity (storm water discharges) from the property site.
2) Identify non-storm water discharges.
3) Identify, construct, implement and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the property site.
4) Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants.

B. Project Background and Description

The proposed project is located at 930 W. Compton Boulevard in the City of Compton, California and consists of approximately 2.45 acres. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west. The project proposes to construct eight buildings of 60 residential units with private garages, private drive aisles, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along W. 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open-space areas.

The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 99% for the existing condition of the site per LACPW Hydrology Manual. Proposed condition coverage is assumed to be 86% impervious based on land use per Hydrology Manual.

C. Vicinity Map

The site is located at 930 W. Compton Avenue off of the I-110 freeway in the City of Compton, County of Los Angeles. The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west.

Refer to Figure 1 for the Vicinity Map.

D. Existing Site Drainage Condition

The existing site is relatively flat with elevations ranging between approximately 81 feet and 85 feet above mean sea level. Generally, the existing site drainage surface flows overland in the northeasterly direction and overflows into the rights-of-way of W. Compton Boulevard and S. Kemp Avenue. Within the public rights-of-way, drainage is captured by existing catch basins within W. Compton Boulevard and S. Kemp Avenue and conveyed to an existing Los Angeles County Flood Control District (LACFCD) 66" Reinforced Concrete storm drain facility within W. Compton Boulevard which outlets to the existing Compton Creek. Compton Creek flows in the southeasterly direction and outlets to the existing Los Angeles River which ultimately drains to the Pacific Ocean at San Pedro Bay. Water bodies downstream of the project site are listed on the most current 303 (d) List as follows:

- Compton Creek
    - Benthic-Macroinvertebrate Bioassessments
    - Coliform Bacteria
    - Copper
    - Lead
    - pH
    - Trash
- Los Angeles River
    - Ammonia
    - Cadmium
    - Coliform Bacteria
    - Dissolved Copper
    - Cyanide
    - Diazinon
    - Lead
    - Nutrients (Algae)
    - pH
    - Trash
    - Dissolved Zinc
- San Pedro Bay
    - Chlordane

All facilities downstream of the project site are engineered, therefore the project is exempt from Hydromodification Control requirements.

E. Proposed Site Drainage Conditions

The proposed development site comprises a total of 2.45 acres. The proposed site consists of 60 residential units with private garages, a private drive aisle, sidewalks, guest parking areas, and associated landscaping.

Proposed drainage will be directed as sheet flow overland and through a series of area drains towards proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to discharging to the existing LACFCD 66" storm drain within W. Compton Boulevard. The proposed area drain system will collect surface runoff within landscaped and backyard areas and convey flows directly to the proposed MWS Biofiltration Vaults via proposed underground storm drain. Street surface flows will be conveyed via proposed curb and gutter towards two (2) proposed curb-inlet catch basins located along the private drive aisle. The proposed catch basins will be equipped with a Dvert system designed to divert low flows to the proposed MWS Biofiltration Vaults. Treated stormwater will be conveyed via proposed underground storm drain to proposed underground detention systems which will be outflow controlled to mitigate peak discharge to the existing LACFCD storm drain within W. Compton Boulevard. During larger storm events and when the MWS Biofiltration Vaults are at capacity, the Dvert system within the catch basins and an internal bypass within the MWS Biofiltration Vaults will allow for high flows to bypass treatment and flow directly to the proposed detention systems via the proposed storm drain system. Drainage from the site will be conveyed from the detention system to the existing LACFCD 66" storm drain at two (2) points of connection. Upon discharging to the existing LACFCD storm drain, site runoff will follow the historic drainage pattern.

Refer to Figure 2, BMP Exhibit for additional information.

F. LID Project Types, Characteristics, & Activities

Per the Los Angeles Department of Public Works (LACDPW), *Low Impact Development Standards Manual*, dated February 2014, the proposed project is classified as a "Designated Project." A "Designated Project" is defined by the LACDPW as follows:

> "Redevelopment projects, which are developments that result in creation or addition or replacement of either: (1) 5,000 square feet or more of impervious surface on a site that was previously developed as described in the above bullets; or (2) 10,000 square feet or more of impervious surface area on a site that was previous developed as a single family home."

G. Pollutant Source Identification and BMP Selection

The following is a list of materials to be used in the daily construction activities at the project site, which will potentially contribute to pollutants, other than sediment, to storm water runoff. Control Practices for each activity are identified below:

- Vehicle fluids, including oil, grease, petroleum, and coolants from personal vehicles
- Landscaping materials and wastes (topsoil, plant materials, herbicides, fertilizers, mulch, pesticides)
- General trash debris and litter
- Pet waste (bacteria/ fecal coliforms)

The Best Management Practices (BMPs) that have been selected for implementation on this project are detailed in the following sections.

H. Source Control BMPs

Project proponents shall implement Site Design concepts that achieve each of the following:

- Minimize Urban Runoff
- Minimize Impervious Footprint
- Conserve Natural Areas
- Minimize Directly Connected Impervious Areas (DCIAs)

Table-1 identifies the source control and treatment BMPs and how each is implemented to achieve each Site Design concept. BMP fact sheets are provided by the LACDPW *Low Impact Development Standards Manual* and the California Stormwater Quality Association.

Table-1: Source Control BMPs

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Non-Structural Source Control BMPs:			
	Education for Leasers', Operators, Occupants, or Employees	X		
	Activity Restrictions (CC&Rs)	X		
S-8	Landscape Irrigation Practices	X		
	Common Area Litter Control	X		
SE-7	Street Sweeping Private Streets and Parking Lots	X		

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Drainage Facility Inspection and Maintenance	X		
	Structural Source Control BMPs:			
S-1	Storm Drain Message and Signage	X		
S-8	Landscape Irrigation Practices	X		
SD-11	Roof Runoff Controls	X		
	Protect Slopes and Channels		X	No proposed slopes and channels
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed car wash racks
	Proper Site Design:			
S-7	Fuel and Maintenance Area		X	No proposed fueling areas
SD-33	Air/Water Supply Area Drainage		X	No proposed air/water supply
S-3	Outdoor Trash Storage and Waste Handling Area		X	No proposed waste handling areas
S-4	Outdoor Loading/ Unloading Dock Area		X	No proposed loading/unloading dock areas
S-5	Outdoor Vehicle/Equipment Repair/Maintenance Area		X	No proposed maintenance bays
S-6	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed wash areas
S-2	Outdoor Material Storage Area		X	No proposed material storage areas
SD-36	Outdoor Work Areas or Processing Areas		X	No proposed outdoor work areas
	Provide Wash Water Controls for Food Preparation Areas		X	No proposed food preparation areas

Non-Structural Measures

Non-structural BMPs are generally managerial, educational, inspection and/ or maintenance oriented. These items consist of educating employees and occupants, developing and implementing HOA guidelines, implementing BMPs and enforcing Code requirements. Non-structural BMPs used for this project are summarized below:

Education for Employees and Occupants

Practical informational materials will be provided to homeowners, HOA and employees on general good housekeeping practices that contribute to protection of storm water quality. Among other things, these materials will describe the use of chemicals (including household type) that should be limited to the property, with no discharge of specified wastes via hosing or other direct discharge to gutters, catch basins and storm drains. Initially, the Owner will provide these materials. Thereafter, such materials will be available through the HOA education program.

This program must be maintained, enforced, and updated periodically by the HOA. Educational materials including, but not limited to, the materials included in the Appendix F of this plan will be made available to the employees and contractors of the HOA.

Activity Restrictions

Activities on this site will be limited to activities related to residential living. The project's Conditions, Covenants, and Restrictions (CC&Rs) will outline the activities that are restricted on the property. Such activities related to the LID include car washing, car maintenance and disposal of used motor fluids, pet waste cleanup, and trash container areas.

Efficient Landscape System & Landscape Maintenance

Management programs will be designed and established by the HOA, who will maintain the common areas within the project site. These programs will include how to mitigate the potential dangers of fertilizer and pesticide usage (refer to the Maintenance and Frequency Table). Ongoing maintenance will be consistent with the State of California Model- Water Efficient Landscape Ordinance. Fertilizer and pesticide usage shall be consistent with County Management Guidelines for use of Fertilizers and Pesticides.

Street Sweeping in Private Streets and Parking Lots

The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

Drainage Facility Inspection & Maintenance

The HOA will be responsible for implementing each of the BMPs detailed in this plan. The HOA will also be responsible for cleaning and maintaining the BMPs on a regular basis. Refer to Appendix G for the Operation and Maintenance Plan. Refer to Appendix C for site specific drainage BMP information.

Storm Drain Stenciling/ Signage
Phrase "No Dumping – Drains to Ocean" or equally effective phrase to be stenciled on catch basins to alert the public to the destination of pollutants discharged into storm water. This stenciling will be inspected and re-stenciled on a periodic basis by the HOA. Refer to Table 4 for maintenance frequency.

Landscape & Irrigation System Design
As part of the design of all common area landscape irrigation shall employ water conservation principals, including, but not limited to, such provisions as water sensors, programmable irrigation times (for short cycles), etc. will be used. Such common areas will be maintained by the HOA.

Common Area Litter Control
The HOA must implement trash management and litter control procedures in common areas aimed at reducing pollution of drainage water. The HOA may contract a landscape maintenance company to provide this service during regularly scheduled maintenance which will consist of litter patrol and noting trash disposal violations and reporting the violations to the HOA for investigation.

Title 22 CC&R Compliance
The HOA will comply with this Regulation as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Uniform Fire Code Implementation
The HOA will comply with this Code as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Employee Training
A training program will be established as it would apply to future employees, contractors, and homeowners of the HOA to inform and train in maintenance activities regarding the impact of dumping oil, paints, solvents, or other potentially harmful chemicals into storm drains; the proper use of fertilizers and pesticides in landscaping maintenance practices; and the impacts of littering and improper water disposal.

The HOA (or a hired firm) will conduct the training program which will include targeted training sessions with specific construction disciplines (landscaping, concrete finishers, painters, etc.). See Appendix F for examples of educational materials that will be provided to the Employees.

The project's CC&Rs will include provisions for future employee training programs conducted on a yearly based prior to the rainy season.

I. Structural BMPs

Structural BMPs shall be installed by the developer, through the construction and development of the project, for instance; landscaping and irrigation systems shall be designed by licensed landscape architects and installed by qualified contractors to specifications and standards of the City of Compton. The structural BMPs used for this project are summarized below:

Expected pollutants associated with this development include vehicle discharge fluids, landscaping materials and waste, litter, and pet waste. To mitigate these pollutants, the structural best management practices summarized below.

Table-2: Design BMPs

BMP	TECHNIQUE	INCLUDED? YES	INCLUDED? NO	BRIEF DESCRIPTION OF METHOD
SD-10	Minimize Impervious Area/Maximize Permeability (C-Factor Reduction)	X		We have incorporated landscape areas wherever possible within the project site. See Appendix B for details.
	Minimize Directly Connected Impervious Areas (DCIAs) (C-Factor Reduction)	X		We minimize DCIAs by limiting sidewalks and parking areas to the minimum necessary for proper use. Stepping stones are used in areas with minimal foot traffic.
	Create Reduced or "Zero Discharge" Areas (Runoff Volume Reduction)	X		The entire SWQDV will be infiltrated, resulting in an overall runoff volume reduction.

Table-3: Treatment BMPs

BMP	NAME	INCLUDED?		IF NOT APPLICABLE, STATE BRIEF REASON
		YES	NO	
VEG-5	Vegetated Filter Strip		X	Alternative BMP selected
VEG-4	Vegetated Swale		X	Space not available for BMP
MP-40	Media Filter		X	Alternative BMP selected
MP-52	Drain Inserts		X	Alternative BMP selected
T-3	Extended Detention Basin		X	Alternative BMP selected
T-4	Wet Pond		X	Alternative BMP selected
T-2	Constructed Wetland		X	Alternative BMP selected
T-1	Sand Filter		X	Alternative BMP selected
RET-5	Permeable Pavement without an Underdrain		X	Alternative BMP selected
RET-2	Infiltration Basin		X	Alternative BMP selected
RET-3	Infiltration Trench		X	Alternative BMP selected
TC-40	Media Filter		X	Alternative BMP selected
BIO-1	Biofiltration	X		MWS Biofiltration Vaults will be utilized in the proposed development.

Biofiltration: Modular Wetlands System, Biofiltration Units

Modular Wetland System (MWS) Biofiltration Vaults will be utilized to capture and treat the stormwater runoff prior to leaving the site. MWS utilizes a 3-phase treatment train by conveying stormwater runoff through a pre-treatment chamber, planting or "Wetland" chamber and discharge chamber. Treated stormwater will be discharged into the proposed underground storm drain system which connects directly to the an existing LACFCD 66" storm drain system within W. Compton Boulevard.

Based on the grading and drainage design, the site will be divided into two (2) Drainage Management Areas (DMA) and utilize two (2) MWS Biofiltration Vaults to provide treatment of stormwater runoff. The design flowrate and treatment capacity for each DMA are as follows:

Drainage Management Area (DMA)	Size (ac)	Peak Flow Rate (cfs)*	Peak Flow Rate x 1.5 (cfs)	MWS Model	MWS HGL Height (ft)	Treatment Capacity (cfs)
1	1.085	0.237	0.356	MWS-L-8-16-V	3.4	0.462
2	1.365	0.298	0.447	MWS-L-8-16-V	3.4	0.462
Total	2.45	0.535	0.803	-		0.924

*Los Angeles County Department of Public Works (LACDPW) HydroCalc Software was utilized to calculate peak flowrates. The governing flowrate between the 0.75-inch storm event and the 85th Percentile storm event was utilized for design. Refer to Appendix A for HydroCalc outputs.

The proposed site will generate a total design flowrate of approximately 0.535 cfs. After multiplying this value by a factor of 1.5, the required treatment flowrate equals 0.803 cfs. The MWS Biofiltration Vaults provide a total treatment capacity of approximately 0.924 cfs and therefore provide more than enough treatment for the proposed development. The MWS systems will address the pollutants of concern associated with the development type. Refer to Appendix C for more information on MWS Biofiltration Vaults.

Catch Basin Inspection

The HOA will maintain the drainage systems, including catch basins and culverts. The HOA is required to have catch basins inspected and, if necessary, cleaned prior to the storm season, no later than October 15th each year or prior to the first 24-hour storm event, whichever occurs first. These duties may be contracted out to the landscape maintenance firm hired by the HOA. Please see Appendix E for maintenance program. Refer to Appendix G for the Operation and Maintenance Plan.

Runoff-Minimizing Landscape Design

As part of the design of all common area landscape areas, similar planting material with similar water requirements will be used in order to reduce excess irrigation runoff and promote surface filtration. Such common areas will be maintained by the HOA.

Community Car Wash Racks
No community car wash rack or area will be provided, therefore, vehicle washing by residents on the property will not be allowed per the CC&Rs.

Self-Contained Washing
Self-contained washing of vehicles by residents or owners on the property will not be allowed per the CC&Rs.

Outdoor Material Storage Areas
Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Outdoor Storage by residents or owners on the property will not be allowed per the CC&Rs.

J. BMP Maintenance, Inspection, and Repair

Inspections will be conducted as follows:

- Annually and prior to the start of the rainy season
- Every (1) month during rainy season
- At any other time(s) or intervals of time specified in the contract documents

Repairs and/ or maintenance procedures shall be carried out at the soonest possible time.

K. Inspection, Maintenance, and Responsibility for BMPs

Table-4 and Table-5 show the lists of the post-construction BMPs (routine non-structural and structural), the required ongoing maintenance, the inspection and maintenance frequency, the inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection.

Table-4: Non-Structural BMP Maintenance Responsibility/Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Homeowner/ Business owner Education, Activity Restrictions	HOA will provide educational materials. Those materials and responsibilities must be passed onto subsequent property owners.	Continuous. CC&Rs to be provided to homeowners at the time they purchase the property and updates provided by the HOA as they occur.
Common Area Landscape Management	HOA will appoint a landscape maintenance contractor	Monthly during regular maintenance and use with management guidelines for use of fertilizers and pesticides.
Parking Areas and Drive Aisle Management	HOA	The Drives Aisles are to be swept on a routine scheduled basis to facilitate the pickup of trash and debris (plant or otherwise) and to remove excessive oil, grease and build-up. During sweeping, debris is to be removed from the parking areas and drives and then scrubbed and rinsed. This sweeping schedule will be at a minimum occurrence of once a week and as necessary to rid / reduce active pollutants from the pavement areas. This maintenance requirement will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the final Title report of these properties.
Litter Control by Sweeping	HOA	Weekly inspection of trash receptacles to ensure that lids are closed and pick up any excess trash on the ground, noting trash disposal violations to the HOA for remediation.
Employee Training	HOA	Monthly for maintenance personnel and employees to include the educational materials contained in the approved LID.
Common Area Catch Basin Inspection & Cleaning	HOA will appoint a landscape maintenance contractor for common areas and storm drain facilities.	Inspect basins once a month. Clean debris and silt in bottom of catch basins as needed. Intensified on or about October 15th each year or prior to the first 24-hour storm event, whichever occurs first. Refer to Appendix E.

Table-5: Structural BMP Maintenance Responsibility/ Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Common Area Efficient Irrigation	HOA will appoint a landscape contractor after construction	Once a week, in conjunction with maintenance activities. Verify that runoff minimizing landscape design continues to function by checking that water sensors are functioning properly, that irrigation heads are adjusted properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year, weather and day or night time temperatures.
Common Area Runoff Efficient Landscape Design	HOA will appoint a landscaping contractor	Once a week in conjunction with maintenance activities and prior to finalizing any replanting schemes. Verify that plants continue to be grouped according to similar water requirements in order to reduce excess irrigation runoff.
Modular Wetlands System (MWS) Biofiltration Vaults	HOA	MWS Biofiltration Vaults maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C

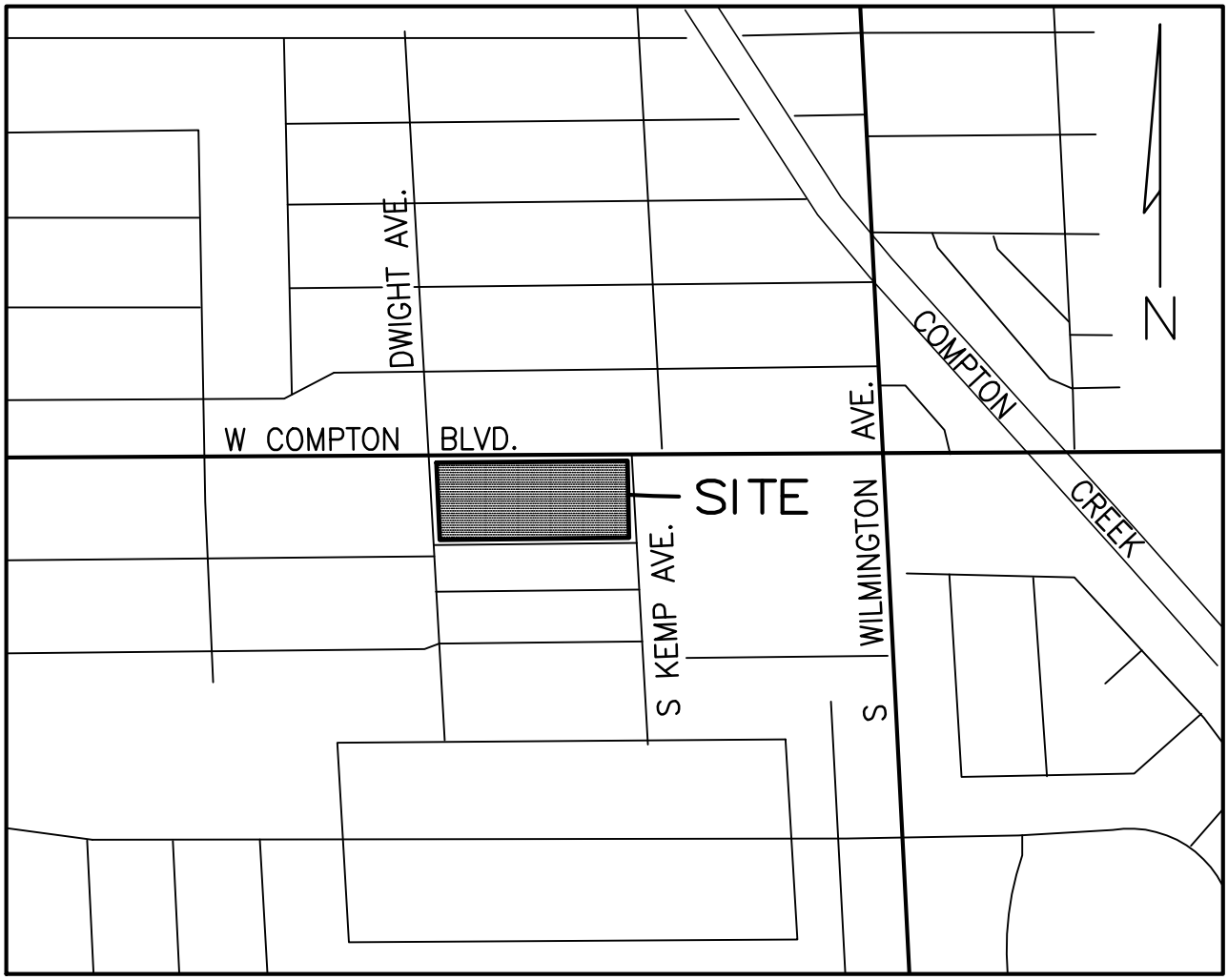
L. Operation/Maintenance Funding after Project Completion

The post-construction BMPs as described above will be funded and maintained by:

Kim Prijatel
Tel: (949) 258-7555
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612

Maintenance and requirements of the maintenance for the properties will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project and will be the responsibility of the property owner at all times. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the Title report of these properties.

Figure 1:
Project Vicinity Map



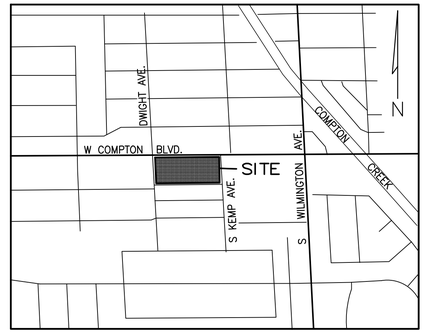
930 W. COMPTON BOULEVARD
COMPTON, CA 90220

Figure 2:
BMP Exhibit

PRELIMINARY BMP EXHIBIT

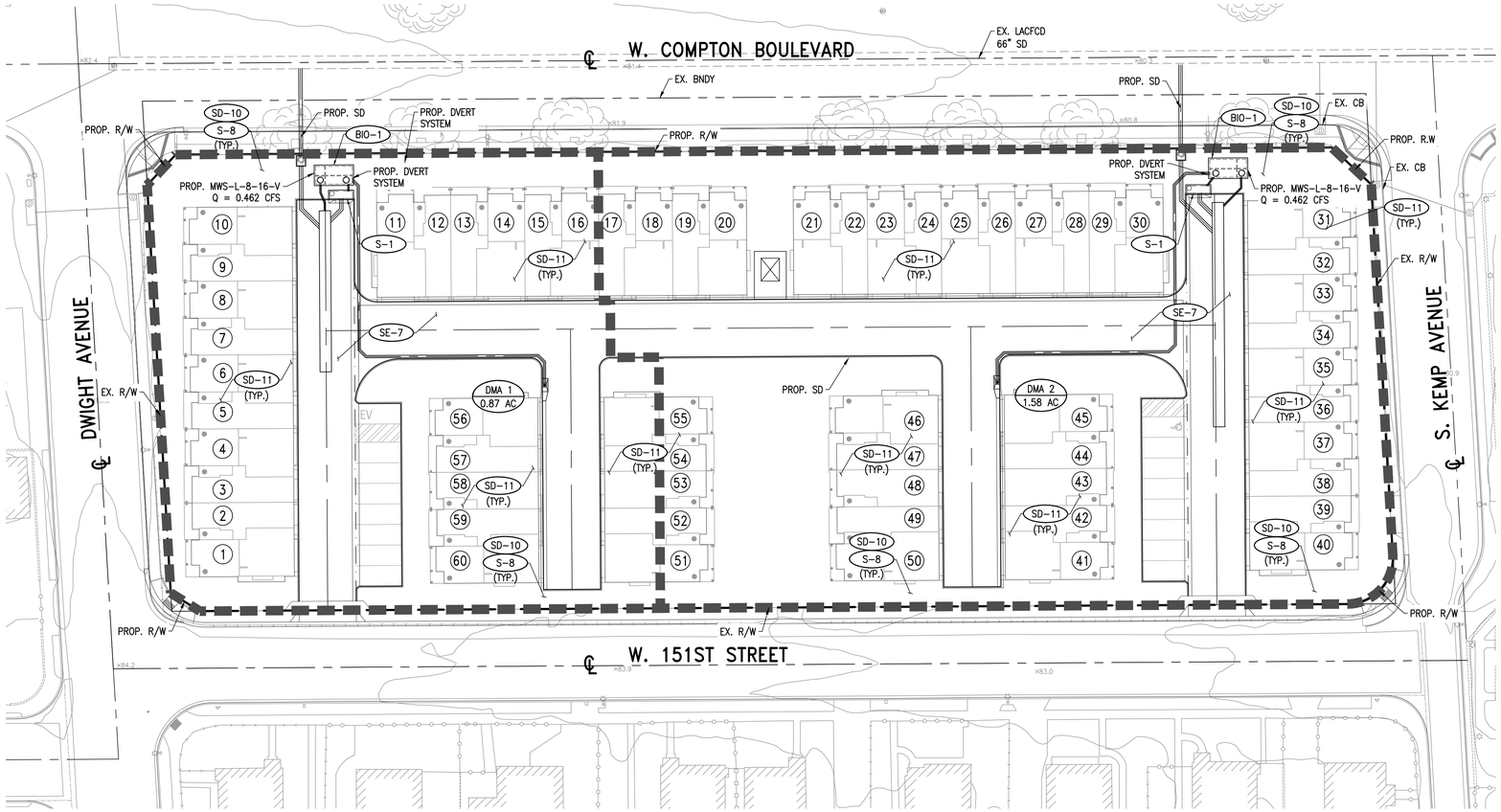
930 W. COMPTON BOULEVARD

CITY OF COMPTON, COUNTY OF LOS ANGELES



VICINITY MAP

NTS



LEGEND

- EXISTING BOUNDARY
- PROPOSED RIGHT-OF-WAY/ BOUNDARY
- PROPOSED STORM DRAIN
- DRAINAGE FLOW ARROWS
- DRAINAGE MANAGEMENT AREA (DMA)
- DMA X / X.XXX — DMA ID / DMA ACREAGE

BEST MANGEMENT PRACTICES (BMPS)

- S-1 STORM DRAIN SIGNAGE
- S-8 LANDSCAPE IRRIGATION PRACTICES
- SD-10 SITE DESIGN & LANDSCAPE PLANNING
- SD-11 ROOF RUNOFF CONTROLS
- SE-7 STREET SWEEPING & VACUUMING
- BIO-1 BIOFILTRATION UNIT (MWS)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

Figure 3:
Impaired Waters

COUNTY OF LOS ANGELES

BALLONA CREEK & OTHER URBAN WATERSHEDS

Ballona Creek and other Urban Watersheds

LEGEND

- BALLONA CREEK & OTHER URBAN WATERSHED
- UNINCORPORATED AREA
- DAM / LAKE / RESERVOIR
- MAJOR RIVER
- MAJOR CHANNEL

Data contained in this map is produced in whole or part from the Los Angeles County Department of Public Works' digital database.

REF: \\pwgisd02\mpmgis$\MPMGIS\projects\mpm\gismaps\wk_2627\ballonacreeketc_wtrsheds.mxd DATE: 08/22/07

Mapping & Property Management Division, Mapping & GIS Services Section

Appendix A:
Volume and Infiltration Calculations & Hydrologic Report

The proposed development was analyzed for the 0.75-in storm event and the 85th Percentile storm event using the LACDPW HydroCalc software. The governing peak flowrate between the two storm events was utilized for design. In accordance with the LA County BMP Design Manual, a factor of 1.5 was applied to obtain the design flowrate. Below is a summary of the HydroCalc outputs:

DMA	85th Percentile Storm ✓		0.75-in Storm		Governing Flowrate (cfs)	Flowrate x 1.5 (cfs)
	Volume (cf)	Flowrate (cfs)	Volume (cf)	Flowrate (cfs)		
1	2678	0.237	2308	0.195	0.237	0.356
2	3369	0.298	2904	0.245	0.298	0.447

Refer to LACDPW HydroCalc Output Data within this Appendix for Volume and Flowrate Calculations.

Peak Flow Hydrologic Analysis

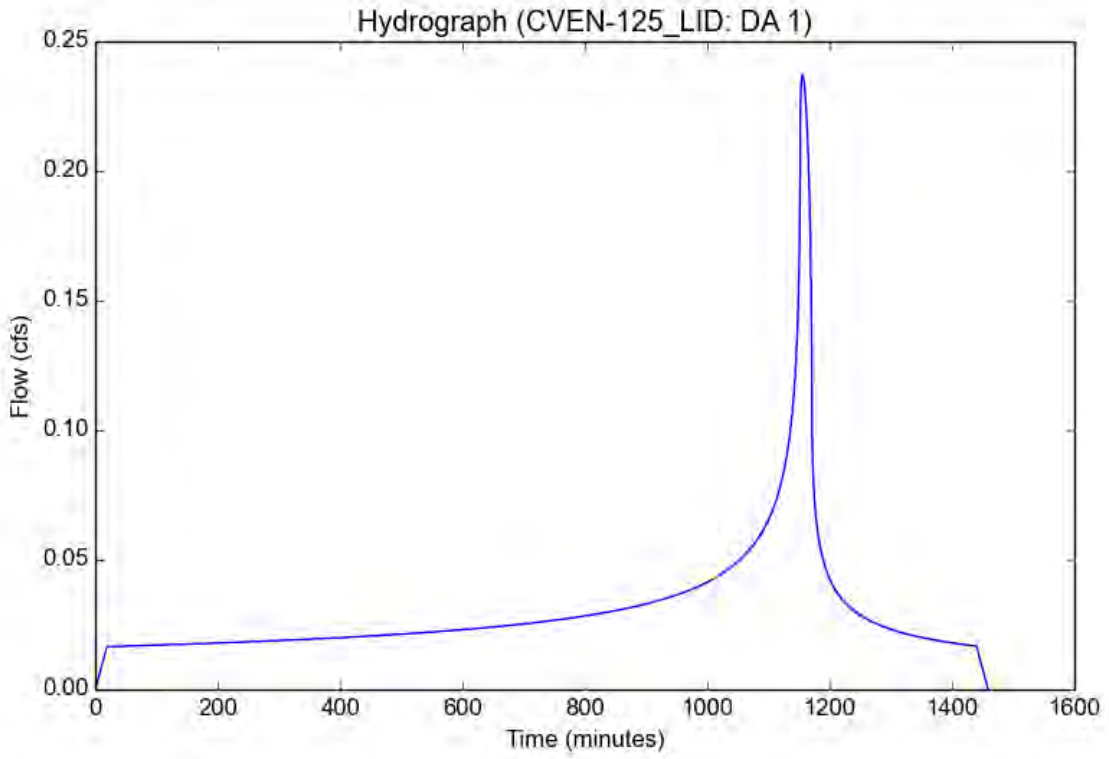
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.237
Burned Peak Flow Rate (cfs)	0.237
24-Hr Clear Runoff Volume (ac-ft)	0.0615
24-Hr Clear Runoff Volume (cu-ft)	2677.8096



Peak Flow Hydrologic Analysis

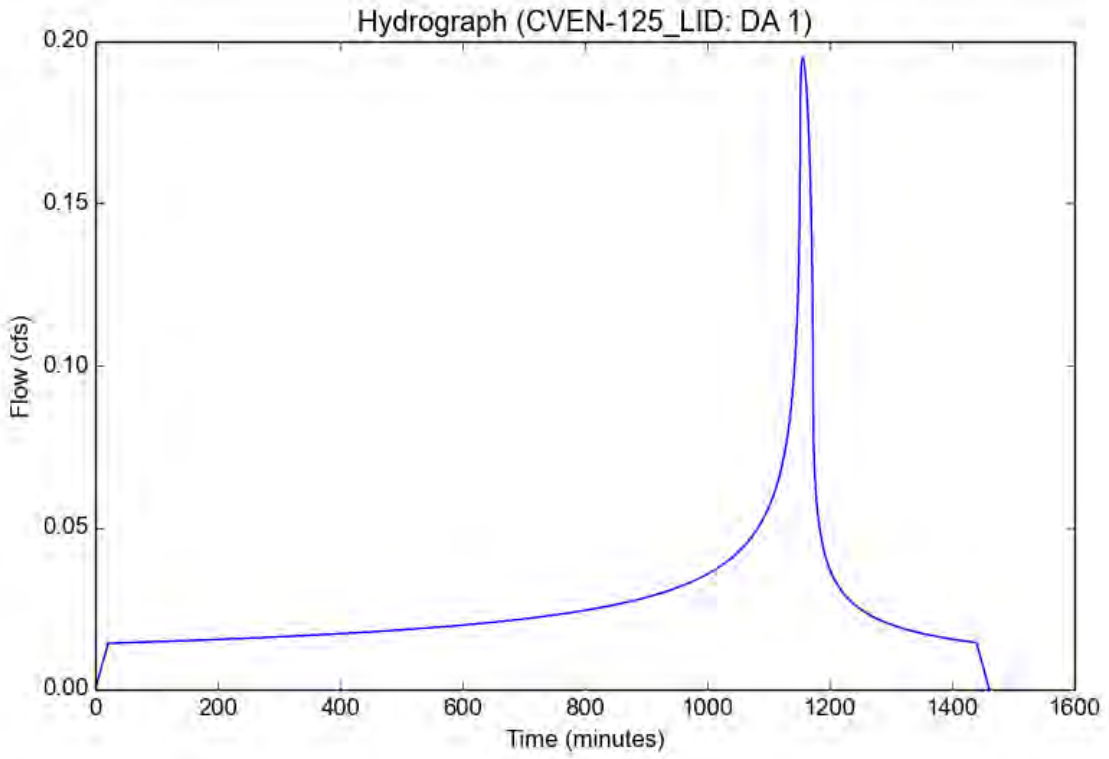
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 1, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.1949
Burned Peak Flow Rate (cfs)	0.1949
24-Hr Clear Runoff Volume (ac-ft)	0.053
24-Hr Clear Runoff Volume (cu-ft)	2308.4589



Peak Flow Hydrologic Analysis

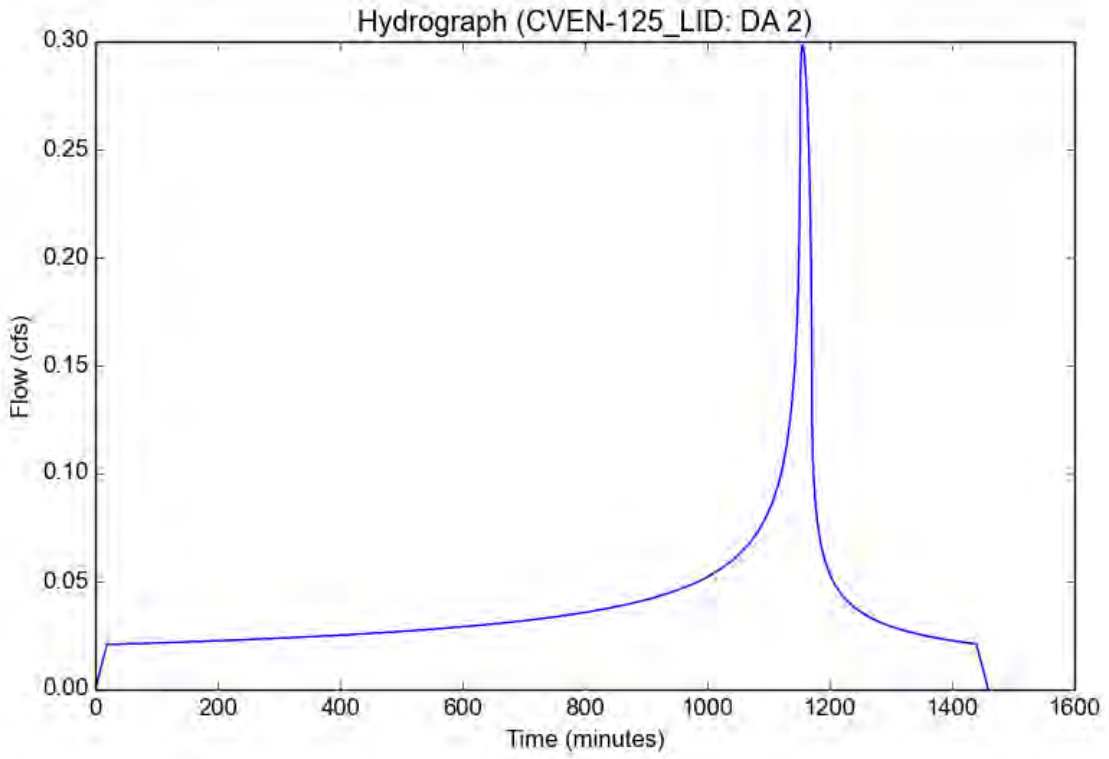
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 85TH.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.2981
Burned Peak Flow Rate (cfs)	0.2981
24-Hr Clear Runoff Volume (ac-ft)	0.0773
24-Hr Clear Runoff Volume (cu-ft)	3368.8572



Peak Flow Hydrologic Analysis

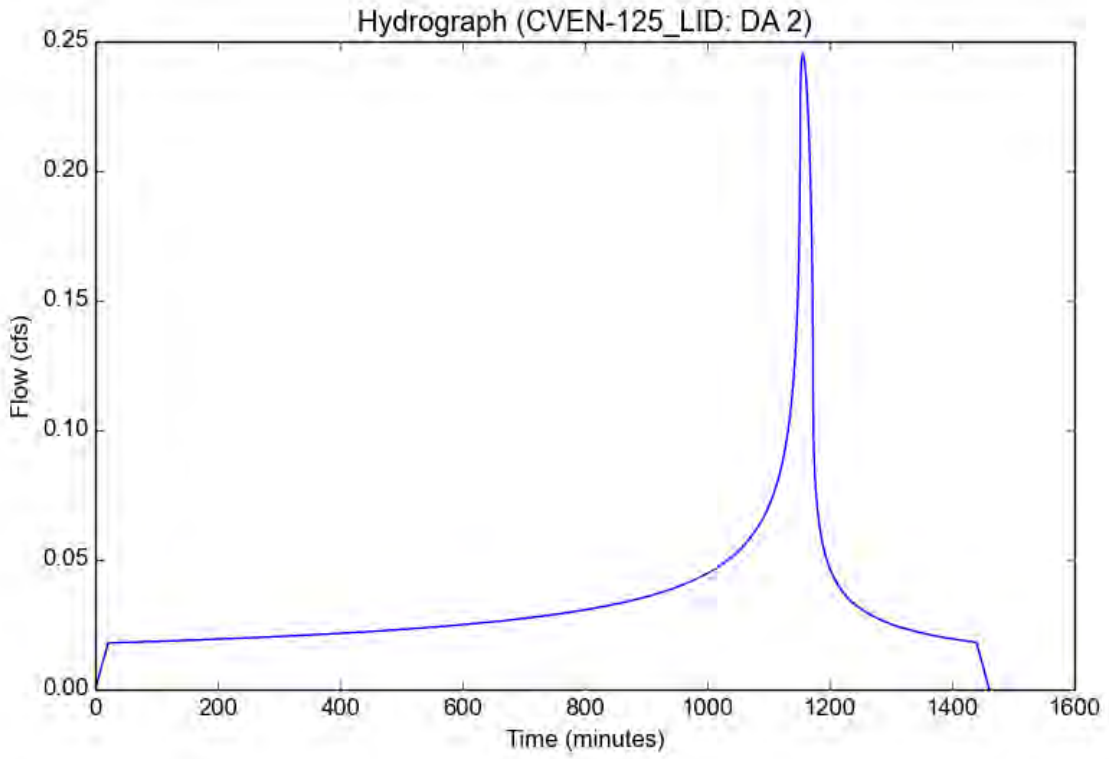
File location: P:/C/CVEN-125/Admin/Reports/Preliminary LID/Appendix A - Calculations/20210330/CVEN-125_LID - DA 2, 0.75IN.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125_LID
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2279
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.2452
Burned Peak Flow Rate (cfs)	0.2452
24-Hr Clear Runoff Volume (ac-ft)	0.0667
24-Hr Clear Runoff Volume (cu-ft)	2904.1902



Appendix B:
Site BMPs

S-1: Storm Drain Message and Signage

Purpose

Waste material dumped into storm drain inlets can adversely impact surface and ground waters. In fact, any material discharged into the storm drain system has the potential to significantly impact downstream receiving waters. Storm drain messages have become a popular method of alerting and reminding the public about the effects of and the prohibitions against waste disposal into the storm drain system. The signs are typically stenciled or affixed near the storm drain inlet or catch basin. The message simply informs the public that dumping of wastes into storm drain inlets is prohibited and/or that the drain ultimately discharges into receiving waters.

General Guidance

- The signs must be placed so they are easily visible to the public.
- Be aware that signs placed on sidewalk will be worn by foot traffic.

Design Specifications

- Signs with language and/or graphical icons that prohibit illegal dumping, must be posted at designated public access points along channels and streams within the project area. Consult with Los Angeles County Department of Public Works (LACDPW) staff to determine specific signage requirements for channels and streams.
- Storm drain message markers, placards, concrete stamps, or stenciled language/icons (e.g., “No Dumping – Drains to the Ocean”) are required at all storm drain inlets and catch basins within the project area to discourage illegal or inadvertent dumping. Signs should be placed in clear sight facing anyone approaching the storm drain inlet or catch basin from either side (see Figure D-1 and Figure D-2). LACDPW staff should be contacted to determine specific requirements for types of signs and methods of application. A stencil can be purchased for a nominal fee from LACDPW Building and Safety Office by calling (626) 458-3171. All storm drain inlet and catch basin locations must be identified on the project site map.

Maintenance Requirements

Legibility and visibility of markers and signs should be maintained (e.g., signs should be repainted or replaced as necessary). If required by LACDPW, the owner/operator or homeowner’s association shall enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards and signs.

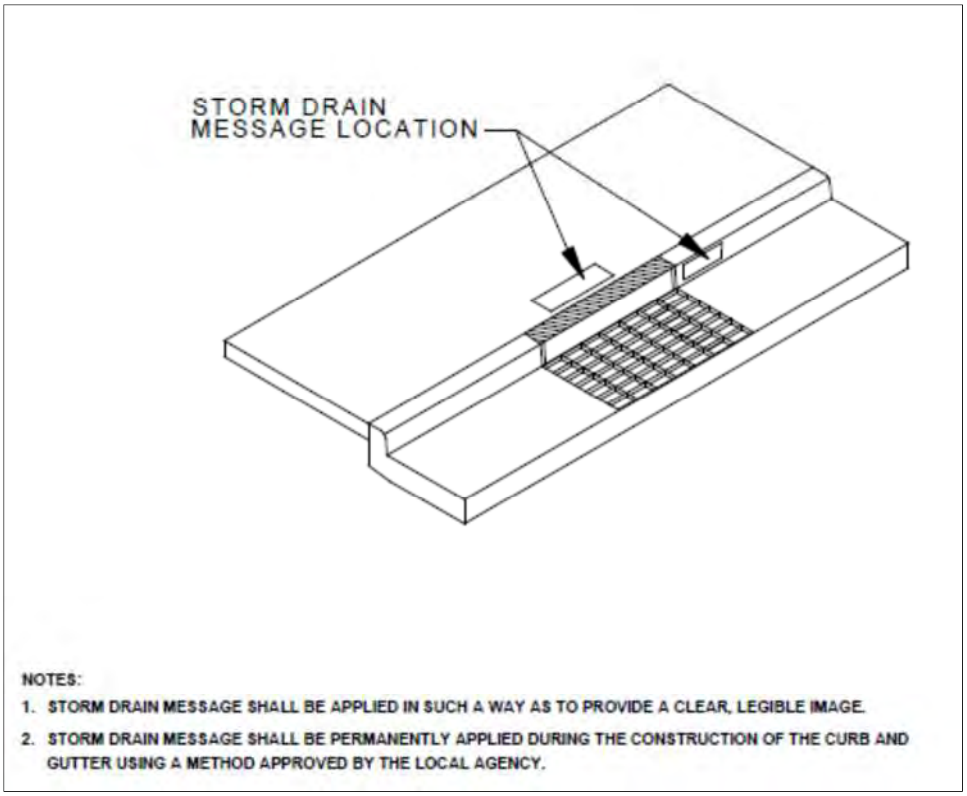


Figure D-1. Storm Drain Message Location – Curb Type Inlet

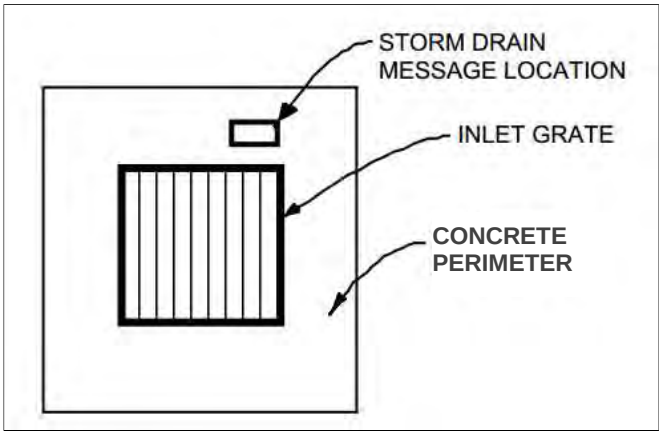


Figure D-2. Storm Drain Message Location – Catch Basin/Area Type Inlet

S-8: Landscape Irrigation Practices

Purpose

Irrigation runoff provides a pathway for pollutants (i.e., nutrients, bacteria, organics, sediment) to enter the storm drain system. By effectively irrigating, less runoff is produced resulting in less potential for pollutants to enter the storm drain system.

General Guidance

- Do not allow irrigation runoff from the landscaped area to drain directly to storm drain system.
- Minimize use of fertilizer, pesticides, and herbicides on landscaped areas.
- Plan sites with sufficient landscaped area and dispersal capacity (e.g., ability to receive irrigation water without generating runoff).
- Consult a landscape professional regarding appropriate plants, fertilizer, mulching applications, and irrigation requirements (if any) to ensure healthy vegetation growth.

Design Specifications

- Choose plants that minimize the need for fertilizer and pesticides.
- Group plants with similar water requirements and water accordingly.
- Use mulch to minimize evaporation and erosion.
- Include a vegetative boundary around project site to act as a filter.
- Design the irrigation system to only water areas that need it.
- Install an approved subsurface drip, pop-up, or other irrigation system.[1] The irrigation system should employ effective energy dissipation and uniform flow spreading methods to prevent erosion and facilitate efficient dispersion.
- Install rain sensors to shut off the irrigation system during and after storm events.
- Include pressure sensors to shut off flow-through system in case of sudden pressure drop. A sudden pressure drop may indicate a broken irrigation head or water line.
- If the hydraulic conductivity in the soil is not sufficient for the necessary water application rate, implement soil amendments to avoid potential geotechnical hazards (i.e., liquefaction, landslide, collapsible soils, and expansive soils).

[1] If alternative distribution systems (e.g., spray irrigation) are approved, the County will establish guidelines to implement these new systems.

- For sites located on or within 50 feet of a steep slope (15% or greater), do not irrigate landscape within three days of a storm event to avoid potential geotechnical instability.[2]
- Implement Integrated Pest Management practices.

For additional guidelines and requirements, refer to the Los Angeles County Department of Health Services.

Maintenance Requirements

Maintain irrigation areas to remove trash and debris and loose vegetation. Rehabilitate areas of bare soil. If a rain or pressure sensor is installed, it should be checked periodically to ensure proper function. Inspect and maintain irrigation equipment and components to ensure proper functionality. Clean equipment as necessary to prevent algae growth and vector breeding. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

[2] As determined by the City of Los Angeles, Building and Safety Division

Site Design & Landscape Planning SD-10

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION

Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11

Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Street Sweeping and Vacuuming SE-7

Objectives

EC	Erosion Control	
SE	Sediment Control	☒
TR	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Objective**

☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.
- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

BIO-1: Biofiltration

Definition

A biofiltration area is a vegetated shallow depression that is designed to receive and treat stormwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow ponding zone is provided above the vegetated surface for temporary storage of stormwater runoff. During storm events, stormwater runoff accumulates in the ponding zone and gradually infiltrates the surface and filters through the biofiltration soil media before being collected by an underdrain system.

Stormwater runoff treatment occurs through a variety of natural mechanisms as stormwater runoff filters through the vegetation root zone. In biofiltration areas, microbes and organic material in the biofiltration soil media help promote the adsorption of pollutants (e.g., dissolved metals and petroleum hydrocarbons) into the soil matrix. Plants utilize soil moisture and promote the drying of the soil through transpiration. Biofiltration areas are typically planted with native, drought-tolerant plant species that do not require fertilization and can withstand wet soils for at least 96 hours.

A schematic of a typical biofiltration area is presented in Figure E-7.

LID Ordinance Requirements

Biofiltration can be used as an alternative compliance measure.

Pollutant of Concern	Treated by Biofiltration?
Suspended solids	No
Total phosphorus	No
Total nitrogen	Yes
Total Kjeldahl nitrogen	Yes
Cadmium, total	No
Chromium, total	Yes
Copper, total	No
Lead, total	Yes
Zinc, total	No

Source: Treatment Best Management Practices Performance, Los Angeles Regional Water Quality Control Board, December 9, 2013.

Advantages

- Has a low cost for installation
- Enhances site aesthetics
- Requires little maintenance

Disadvantages

- May require individual owner/tenants to perform maintenance

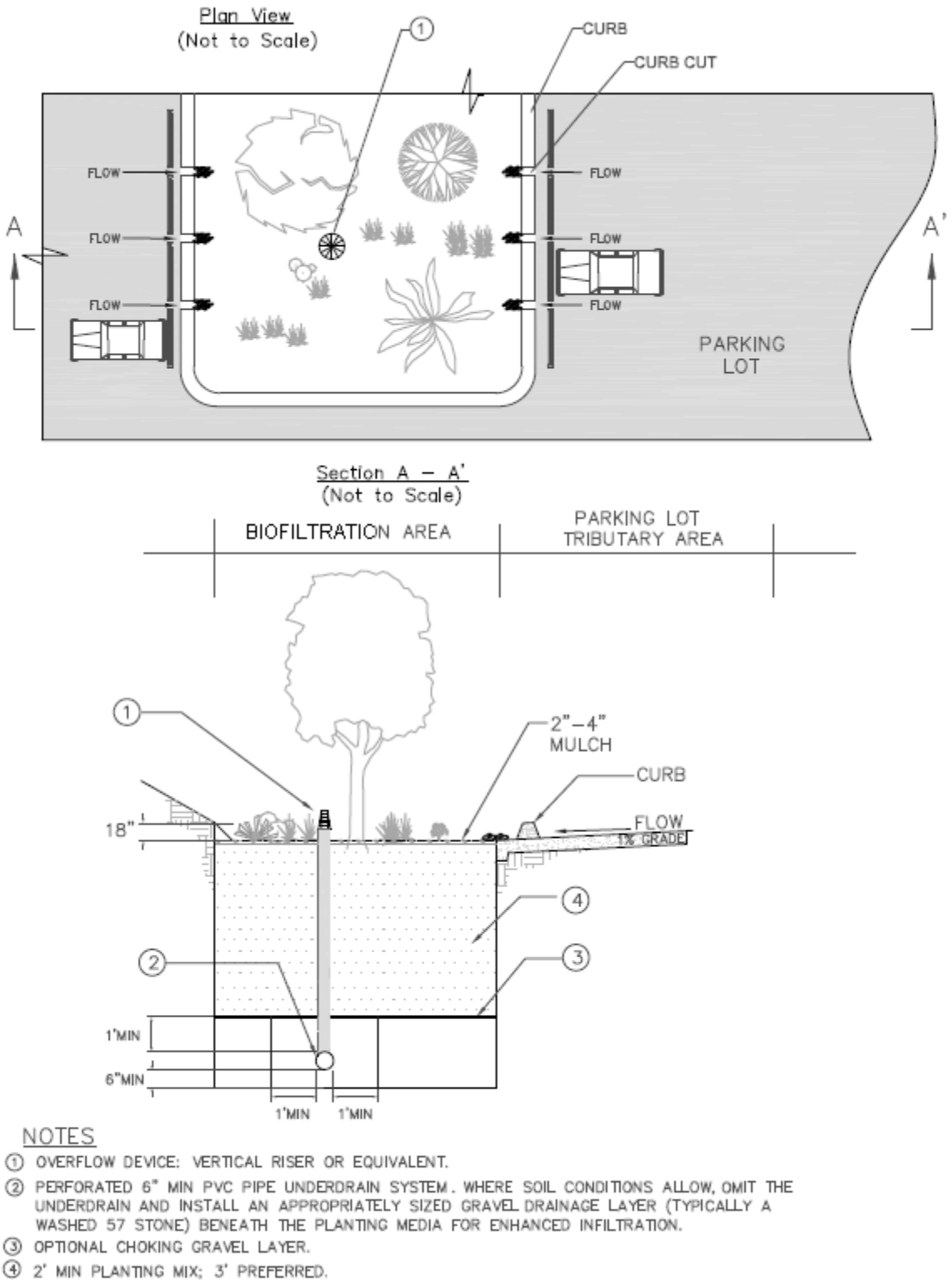


Figure E-7. Biofiltration Area Schematic

General Constraints and Implementation Considerations

- Biofiltration areas can be applied in various settings including, but not limited to:
  - Individual lots for rooftop, driveway, and other on-site impervious surface
  - Shared facilities located in common areas for individual lots
  - Areas within loop roads or cul-de-sacs
  - Landscaped parking lot islands
  - Within right-of-ways along roads
  - Common landscaped areas in apartment complexes or other multi-family housing designs
  - Parks and along open space perimeter
- If tire curbs are provided and parking stalls are shortened, cars are allowed to overhang the biofiltration area.
- Biofiltration areas must be located sufficiently far from structure foundations to avoid damage to structures (as determined by a certified structural or geotechnical engineer).
- Any parking areas bordering the biofiltration area must be monolithically poured concrete or deepended curb concrete to provide structural stability to the adjacent parking section.
- Geomembrane liners must be used in areas subject to spills or pollutant hot spots.
- During construction activities should avoid compaction of native soils below planting media layer or gravel zone.
- Stormwater runoff must be diverted around the biofiltration area during the period of vegetation establishment. If diversion is not feasible, the graded and seeded areas must be protected with suitable sediment controls (i.e., silt fences).All damaged areas should be repaired, seeded, or re-planted immediately.
- The general landscape irrigation system should incorporate the biofiltration area, as applicable.

Design Specifications

The following sections describe the design specifications for biofiltration areas.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for biofiltration. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the

groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of a biofiltration area. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning biofiltration system.

Biofiltration areas are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for a biofiltration area and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering a biofiltration area in order to maintain the infiltration rate of the biofiltration area. To ensure that biofiltration areas are effective, the project applicant must incorporate pretreatment devices that provide sediment removal (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices). The use of at least two pretreatment devices is highly recommended for biofiltration areas.

Geometry

- Biofiltration areas must be sized to capture and treat 1.5 times the SWQDv that is not reliably retained on the project site with an 18-inch maximum ponding depth.
- The planting soil depth must be a minimum of two feet, although three feet is preferred. The planting soil depth should provide a beneficial root zone for the chosen vegetation and adequate water storage for the stormwater runoff. A deeper planting soil depth will also provide a smaller surface area footprint.
- A gravel storage layer below the biofiltration area soil media is required to provide adequate temporary storage to retain 1.5 times the SWQDv that is not reliably retained on the project site and to promote infiltration.

Sizing

Biofiltration areas are sized using a simple sizing method where 1.5 times the SWQDv that is not reliably retained on the project site must be completely filtered within 96 hours. If the incoming stormwater runoff flow rate is lower than the long term filtration rate, above ground storage does not need to be provided. If the incoming stormwater runoff flow rate is higher than the long term filtration rate, above ground storage shall be provided (see steps below).

Step 1: Calculate the design volume

Biofiltration areas should be sized to capture and treat 1.5 times the portion of the SWQDv (see Section 6 for SWQDv calculation procedures) that is not reliability retained on the project site, as calculated by the equation below:

$$V_B = 1.5 \times (SWQDv - V_R)$$

Where:

V_B = Biofiltration volume [ft^3];
SWQDv = Stormwater quality design volume [ft^3]; and
V_R = Volume of stormwater runoff reliably retained on-site [ft^3].

Step 2: Calculate the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Select a surface ponding depth (d) that satisfies the geometric criteria and meets the site constraints. Selecting a deeper ponding depth (up to 1.5 ft) generally yields a smaller footprint, however, it will require greater consideration for public safety, energy dissipation, and plant selection.

Calculate the time for the selected ponding depth to filter through the planting media using the following equation:

$$\mathrm{d} = t_p \times \frac{\mathrm{f_{design}}}{12}$$

Where:

d = Ponding depth (max 1.5 ft) [ft];
t_p = Required detention time for surface ponding (max 96 hr) [hr]; and
f_{design} = Design infiltration rate [in/hr].

If t_p exceeds 96 hours, reduce surface ponding depth (d). In nearly all cases, t_p should not approach 96 hours unless f_{design} is low.

Calculate the required infiltrating surface (filter bottom area) using the following equation:

$$A = \frac{V_B}{d}$$

Where:

A = Bottom surface area of biofiltration area [ft^2];
V_B = Biofiltration design volume [ft^3]; and
d = Ponding depth (max 1.5 ft) [ft].

Flow Entrance and Energy Dissipation

Maintain a minimum slope of 1 percent for pervious surfaces and 0.5 percent for impervious surfaces to the biofiltration area inlet. The following types of flow entrance can be used for biofiltration cells:

- Level spreaders (i.e., slotted curbs) can be used to facilitate sheet flow.
- Dispersed, low velocity flow across a landscape area. Dispersed flow may not be possible given space limitations or if the biofiltration area is controlling roadway or parking lot flows where curbs are mandatory.
- Dispersed flow across pavement or gravel and past wheel stops for parking areas.
- Flow spreading trench around perimeter of biofiltration area. May be filled with pea gravel or vegetated with 3:1 side slopes similar to a swale. A vertical-walled open trench may also be used at the discretion of LACDPW.
- Curb cuts for roadside or parking lot areas, if approved by LACDPW: curb cuts should include rock or other erosion controls in the channel entrance to dissipate energy. Flow entrance should drop two to three inches from curb line and provide an area for settling and periodic removal of sediment and coarse material before flow dissipates to the remainder of the biofiltration area.
- Piped entrances, such as roof downspouts, should include rock, splash blocks, or other erosion controls at the entrance to dissipate energy and disperse flows.
- Woody plants (trees, shrubs, etc.) can restrict or concentrate flows and can be damaged by erosion around the root ball and must not be placed directly in the entrance flow path.

Drainage

Biofiltration areas must be designed to drain below the planting soil in less than 96 hours. Soils must be allowed to dry out periodically in order to restore hydraulic capacity to receive stormwater runoff from subsequent storm events, maintain infiltration rates, maintain adequate soil oxygen levels for healthy soil biota and vegetation, and provide proper soil conditions for biodegradation and retention of pollutants.

Underdrain

Biofiltration areas require an underdrain to collect and discharge stormwater runoff that has been filtered through the soil media, but not infiltrated, to another stormwater quality control measure, storm drain system, or receiving water. The underdrain must have a mainline diameter of eight inches using slotted PVC SDR 26 or PVC C9000. Slotted PVC allows for pressure water cleaning and root cutting, if necessary. The slotted pipe

should have two to four rows of slots cut perpendicular to the axis of the pipe or at right angles to the pitch of corrugations. Slots should be 0.04 to 0.1 inches wide with a length of 1 to 1.25 inches. Slots should be longitudinally-spaced such that the pipe has a minimum of one square inch opening per lineal foot and should face down.

The underdrain should be placed in a gravel envelope (Class 2 Permeable Material per Caltrans Spec. 68-1.025) that measures three feet wide and six inches deep. The underdrain is elevated from the bottom of the biofiltration area by six inches within the gravel envelope to create a fluctuating anaerobic/aerobic zone below the underdrain to facilitate denitrification within the anaerobic/anoxic zone and reduce nutrient concentrations. The top and sides of the underdrain pipe should be covered with gravel to a minimum depth of 12 inches. The underdrain and gravel envelope should be covered with a geomembrane liner to prevent clogging. The following aggregate should be used for the gravel envelope:

Particle Size (ASTM D422)	% Passing by Weight
¾ inch	100%
¼ inch	30-60%
#8	20-50%
#50	3-12%
#200	0-1%

Underdrains should be sloped at a minimum of 0.5 percent and must drain freely to an approved discharge point.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter should be connected to the underdrain to provide a clean-out port as well as an observation well to monitor drainage rates. The wells/clean-outs should be connected to the perforated underdrain with the appropriate manufactured connections. The wells/clean-outs should extend six inches above the top elevation of the biofiltration area mulch, and should be capped with a lockable screw cap. The ends of underdrain pipes not terminating in an observation well/clean-out should also be capped.

Hydraulic Restriction Layer

Lateral infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent waterproofing, may be placed along the vertical walls to reduce lateral flows. This geomembrane liner must have a minimum thickness of 30 mils and meet the requirements of Table E-12. Generally, waterproof barriers should not be placed on the bottom of the biofiltration unit, as this would prevent incidental infiltration which is important to meeting the required pollutant load reduction.

Table E-12. Geomembrane Liner Specifications for Biofiltration Areas

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Planting/Storage Media

- The planting media placed in the biofiltration area should achieve a long-term, in-place infiltration rate of at least 5 in/hr. Higher infiltration rates of up to 12 in/hr are permissible. The biofiltration soil media must retain sufficient moisture to support vigorous plant growth.
- The planting media mix must consist of 60 to 80 percent sand and 20 to 40 percent compost.
- Sand should be free of wood, waste, coatings such as clay, stone dust, carbonate, or any other deleterious material. All aggregate passing the No. 200 sieve size should be non-plastic. Sand for biofiltration should be analyzed by an accredited laboratory using #200, #100, #40, #30, #16, #8, #4, and 3/8 sieves (ASTM D422 or as approved by the local permitting authority) and meet the following gradations (Note: all sand complying with ASTM C33 for fine aggregate comply with the gradation requirements listed below):

Particle Size (ASTM D422)	% Passing by Weight
3/8 inch	100%
#4	90-100%
#8	70-100%
#16	40-95%
#30	15-70%
#40	5-55%
#110	0-15%
#200	0-5%

Note: The gradation of the sand component of the biofiltration soil media is believed to be a major factor in the infiltration rate of the media mix. If the desired hydraulic conductivity of the biofiltration soil media cannot be achieved within the specified proportions of sand and compost (#2), then it may be necessary to utilize sand at the coarser end of the range specified minimum percent passing.

- Compost should be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes, or other organic material not including manure or biosolids meeting standards developed by the USCC. The product shall be certified through the USCC STA Program (a compost testing and information disclosure program). Compost quality shall be verified via a laboratory analysis to be:
    - Feedstock materials must be specified and include one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
    - pH between 6.5 and 8.0 (may vary with plant palette)
    - Organic Matter: 35 to 75 percent dry weight basis
    - Carbon and Nitrogen Ratio: 15:1 < C:N < 25:1
    - Maturity/Stability: Compost must have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120°F) upon delivery or rewetting is not acceptable.
    - Toxicity: any one of the following measures is sufficient to indicate non-toxicity:
        - NH_4:NH_3 < 3
        - Ammonium < 500 ppm, dry weight basis
        - Seed germination > 80 percent of control
        - Plant trials > 80 percent of control
        - Solvita® > 5 index value
    - Nutrient content:
        - Total Nitrogen content ≥ 0.9 percent preferred
        - Total Boron should be < 80 ppm; soluble boron < 2.5 ppm
    - Salinity: < 6.0 mmhos/cm
    - Compost for biofiltration area should be analyzed by an accredited laboratory using #200, ¼-inch, ½-inch, and 1-inch sieves (ASTM D422) and meet the gradation requirements in the table below:

Particle Size (ASTM D422)	% Passing by Weight
1 inch	99-100
½ inch	90-100
¼ inch	40-90
#200	2-10

Tests should be sufficiently recent to represent the actual material that is anticipated to be delivered to the site. If processes or sources used by the supplier have changed significantly since the most recent testing, new tests should be requested.

The gradation of compost used in biofiltration soil media is believed to play an important role in the saturated infiltration rate of the media. To achieve a higher saturated infiltration rate, it may be necessary to utilize compost at the coarser end of the range (minimum percent passing). The percent passing the #200 sieve (fines) is believed to be the most important factor in hydraulic conductivity.

In addition, coarser compost mix provides more heterogeneity of the biofiltration soil media, which is believed to be advantageous for more rapid development of soil structure needed to support healthy biological processes. This may be an advantage for plant establishment with lower nutrient and water input.

- Biofiltration soil media not meeting the above criteria should be evaluated on a case-by-case basis. Alternative biofiltration soil media must meet the following specifications:

  "Soils for biofiltration facilities must be sufficiently permeable to infiltrate stormwater runoff at a minimum of rate of 5 in/hr during the life of the facility, and provide sufficient retention of moisture and nutrients to support healthy vegetation." The following steps shall be followed by LACDPW to verify that alternative biofiltration soil media mixes meet the specification:

  - Submittals – The applicant must submit to LACDPW for approval:
    - A sample of mixed biofiltration soil media.
    - Certification from the soil supplier or an accredited laboratory that the biofiltration soil media meets the requirements of this specification.
    - Certification from an accredited geotechnical testing laboratory that the biofiltration soil media has an infiltration rate between 5 and 12 in/hr.
    - Organic content test results of the biofiltration soil media. Organic content test shall be performed in accordance with the Testing Methods for the Examination of Compost and Composting (TMECC) 05.07A, "Loss-On-Ignition Organic Matter Method".
    - Organic grain size analysis results of mixed biofiltration soil media performed in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
    - A description of the equipment and methods used to mix the sand and compost to produce the biofiltration soil media.
  - The name of the testing laboratory(ies) and the following information:

- Contact person(s)
- Address(es)
- Phone contact(s)
- E-mail address(es)
- Qualifications of laboratory(ies) and personnel including date of current certification by STA, ASTM, or approved equal.

o Biofiltration soils shall be analyzed by an accredited laboratory using #200 and ½-inch sieves (ASTM D422 or as approved by LACDPW), and meet the gradation described in the table below:

Particle Size (ASTM D422)	% Passing by Weight
½ inch	97-100
#200	2-5

- Biofiltration soil media shall be analyzed by an accredited geotechnical laboratory for the following tests:
  - o Moisture – density relationships (compaction tests) must be conducted on biofiltration soil media. Biofiltration soil media for the permeability test shall be compacted to 85 to 90 percent of the maximum dry density (ASTM D1557).
  - o Constant head permeability testing in accordance with ASTM D2434 shall be conducted on a minimum of two samples with a 6-inch mold and vacuum saturation.
- Mulch is recommended for the purpose of retaining moisture, preventing erosion, and minimizing weed growth. Projects subject to the California Model Water Efficiency Landscaping Ordinance (or comparable local ordinance) will be required to provide at least 2 inches of mulch. Aged mulch, also called compost mulch, reduces the ability of weeds to establish, keeps soil moist, and replenishes soil nutrients. Biofiltration areas must be covered with two to four inches (average three inches) of mulch at the start and an annual placement (preferably in June after weeding) of one to two inches of mulch beneath plants.
- The planting media design height must be marked appropriately, such as a collar on the overflow device or with a stake inserted two feet into the planting media and notched, to show biofiltration surface level and ponding level.

Vegetation

Prior to installation, a licensed landscape architect must certify that all plants, unless otherwise specifically permitted, conform to the standards of the current edition of American Standard for Nursery Stock as approved by the American Standards Institute, Inc. All plant grades shall be those established in the current edition of American Standards for Nursery Stock.

- Shade trees must have a single main trunk. Trunks must be free of branches below the following heights:

CALIPER (in)	Height (ft)
1½-2½	5
3	6

- Plants must be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 96 hours.
- It is recommended that a minimum of three types of tree, shrubs, and/or herbaceous groundcover species be incorporated to protect against facility failure due to disease and insect infestations of a single species.
- Native plant species and/or hardy cultivars that are not invasive and do not require chemical inputs must be used to the maximum extent practicable.

The biofiltration area should be vegetated to resemble a terrestrial forest community ecosystem, which is dominated by understory trees, a shrub layer, and herbaceous ground cover. Select vegetation that:

- Is suited to well-drained soil;
- Will be dense and strong enough to stay upright, even in flowing water;
- Has minimum need for fertilizers;
- Is not prone to pests and is consistent with Integrated Pest Management practices; and
- Is consistent with local water conservation ordinance requirements.

Irrigation System

Provide an irrigation system to maintain viability of vegetation, if applicable. The irrigation system must be designed to local code or ordinance specifications.

Restricted Construction Materials

The use of pressure-treated wood or galvanized metal at or around a biofiltration area is prohibited.

Overflow Device

An overflow device is required at the 18-inch ponding depth. The following, or equivalent, should be provided:

- A vertical PVC pipe (SDR 26) to act as an overflow riser.
- The overflow riser(s) should be eight inches or greater in diameter, so it can be cleaned without damage to the pipe.

- The inlet to the riser should be at the ponding depth (18 inches for fenced biofiltration areas and 6 inches for areas that are not fenced), and be capped with a spider cap to exclude floating mulch and debris. Spider caps should be screwed in or glued (e.g., not removable). The overflow device should convey stormwater runoff in excess of 1.5 times the SWQDv that is not reliably retained on the project site to an approved discharge location (another stormwater quality control measure, storm drain system, or receiving water).

Maintenance Requirements

Maintenance and regular inspections are important for proper function of biofiltration areas. Biofiltration areas require annual plant, soil, and mulch layer maintenance to ensure optimal infiltration, storage, and pollutant removal capabilities. In general, biofiltration maintenance requirements are typical landscape care procedures and include:

- Irrigate plants as needed during prolonged dry periods. In general, plants should be selected to be drought-tolerant and not require irrigation after establishment (two to three years).
- Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred. Properly-designed facilities with appropriate flow velocities should not cause erosion except potentially during in extreme events. If erosion occurs, the flow velocities and gradients within the biofiltration area and flow dissipation and erosion protection strategies in the pretreatment area and flow entrance should be reassessed. If sediment is deposited in the biofiltration area, identify the source of the sediment within the tributary area, stabilize the source, and remove excess surface deposits.
- Prune and remove dead plant material as needed. Replace all dead plants, and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species.
- Remove weeds as needed until plants are established. Weed removal should become less frequent if the appropriate plant species are used and planting density is attained.
- Select the proper soil mix and plants for optimal fertility, plant establishment, and growth to preclude the use of nutrient and pesticide supplements. By design, biofiltration facilities are located in areas where phosphorous and nitrogen levels are often elevated such that these should not be limiting nutrients. Addition of nutrients and pesticides may contribute pollutant loads to receiving waters.
- In areas where heavy metals deposition is likely (i.e., tributary areas to industrial, vehicle dealerships/repair, parking lots, roads), replace mulch annually. In areas where metals deposition is less likely (i.e., residential lots), replace or add mulch as needed to maintain a two to three inch depth at least once every two years.

- Analyze soil for fertility and pollutant levels if necessary. Biofiltration soil media are designed to maintain long-term fertility and pollutant processing capability.
- Eliminate standing water to prevent vector breeding.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.
- Inspect, and clean if necessary, the underdrain.

A summary of potential problems that need to be addressed by maintenance activities is presented in Table E-13.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-13. Biofiltration Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Vegetation	Overgrown vegetation	Mow and prune vegetation as appropriate.
	Presence of invasive, poisonous, nuisance, or noxious vegetation or weeds	Remove this vegetation and plant native species as needed.
Trash and Debris	Trash, plant litter, and dead leaves present	Remove and properly dispose of trash and debris.
Irrigation (if applicable)	Not functioning correctly	Check irrigation system for clogs or broken lines and repair as needed.
Inlet/Overflow	Inlet/overflow areas clogged with sediment and/or debris	Remove material.
	Overflow pipe blocked or broken	Repair as needed.
Erosion/Sediment Accumulation	Splash pads or spreader incorrectly placed Presence of erosion or sediment accumulation	Check inlet structure to ensure proper function. Repair, or replace if necessary, the inlet device. Repair eroded areas with gravel as needed. Re-grade the biofiltration area as needed.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination from floatables such as oil and grease.
Standing water	Standing water observed more than 96 hours after storm event	Inspect, and clean as needed, the underdrain to ensure proper function. Clear clogs as needed. Remove and replace planter media (sand, gravel, topsoil, mulch) and vegetation.

Appendix C:
Modular Wetlands System (MWS) Biofiltration Vaults

Typical MWS Biofiltration Vault details have been provided for this Preliminary LID. Project specific details will be provided during final engineering.

SITE SPECIFIC DATA*	
PROJECT NAME	
PROJECT LOCATION	
STRUCTURE ID	

PERFORMANCE DATA	
TREATMENT VOLUME (CF)	
DRAINDOWN TIME (HR)	
TREATMENT HGL (FT)	
BYPASS FLOW RATE (CFS)	

PROJECT PARAMETERS			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
OUTLET PIPE 1			
RIM ELEVATION			
SURFACE LOADING REQUIREMENT			

FRAME & COVER	PRETREATMENT	BIOFILTRATION	DISCHARGE

WETLANDMEDIA VOLUME (CY)	
MEDIA DELIVERED	
ORIFICE SIZE (DIA)	
MAX PICK WEIGHT (LBS)	

NOTES:

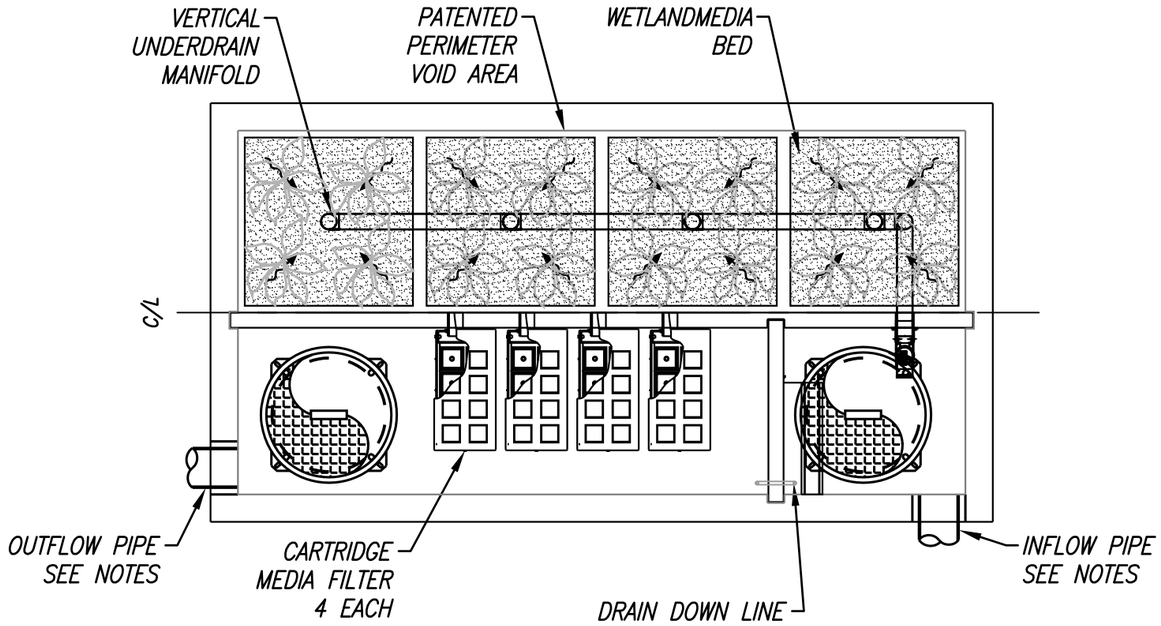
*PER ENGINEER OF RECORD

INSTALLATION NOTES

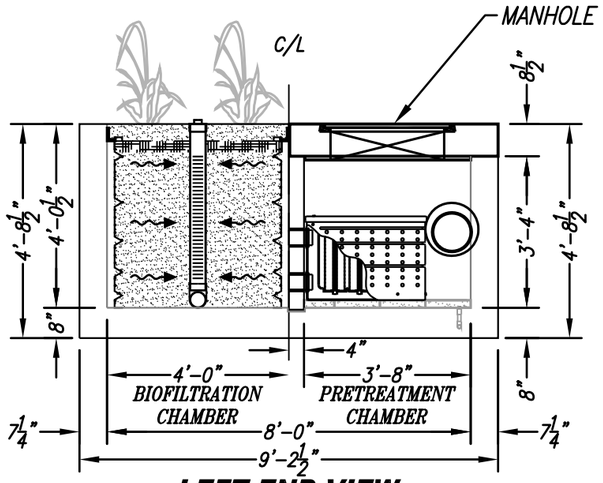
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. MANUFACTURER RECOMMENDS A MINIMUM 6"LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH).
4. INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR.
5. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
6. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

GENERAL NOTES

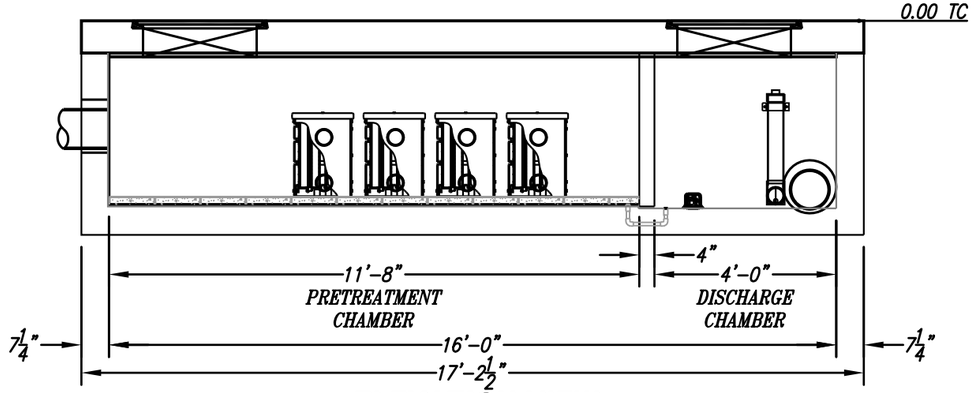
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



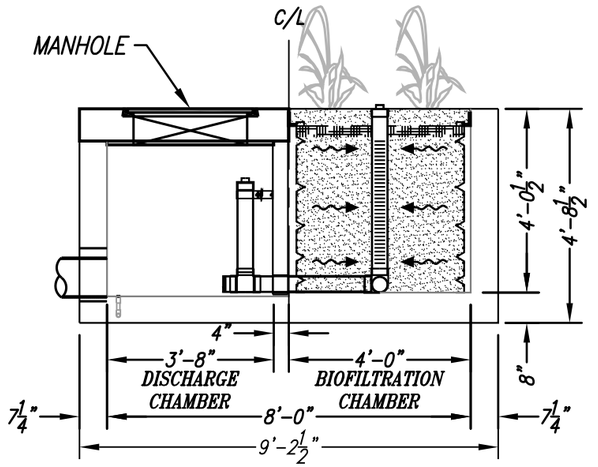
PLAN VIEW



LEFT END VIEW



ELEVATION VIEW



RIGHT END VIEW

MWS UNIT DESIGN DATA	
TREATMENT CAPACITY (CFS)	0.462
OPERATING HEAD (FT)	3.4
PRETREATMENT SURFACE AREA (SF)	141.12
WETLAND LOADING RATE (GPM/MIN)	1.03

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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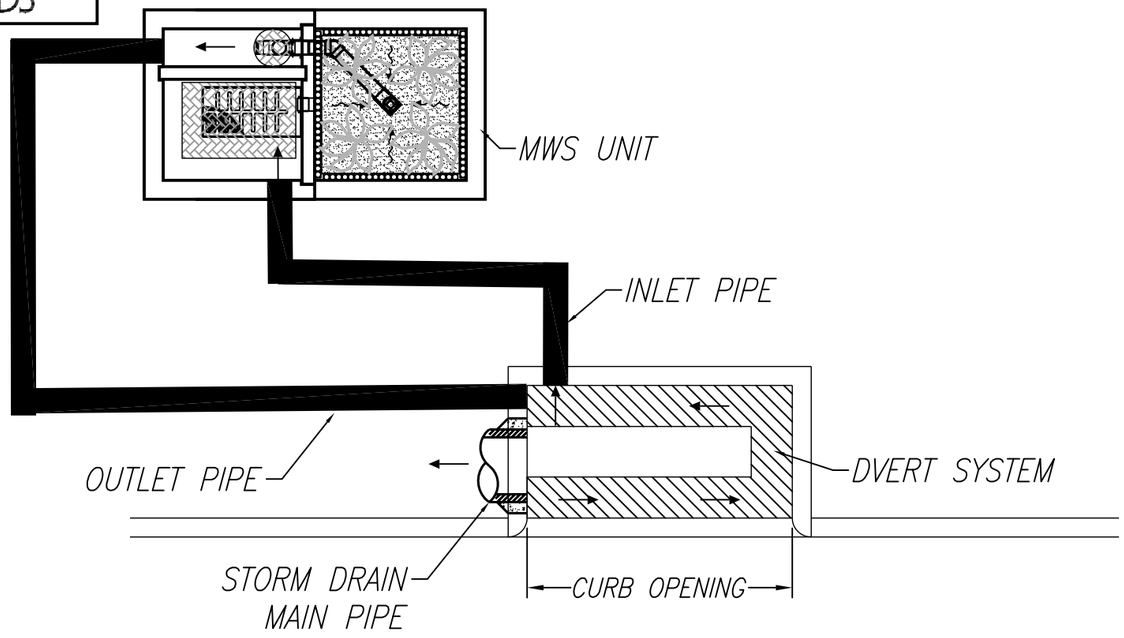
MODULAR WETLANDS

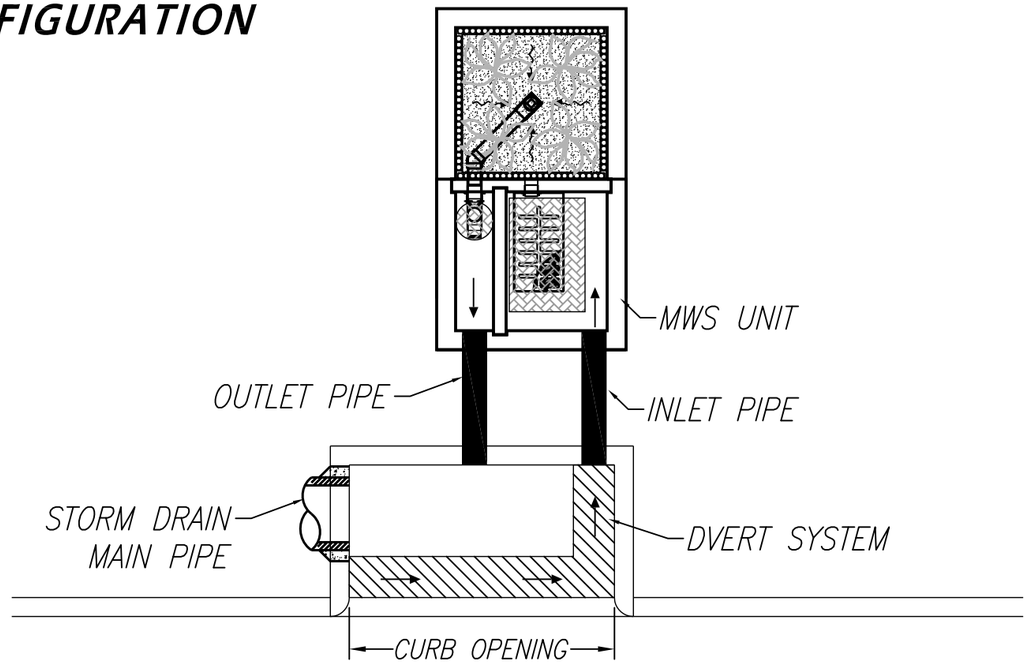
MWS-L-8-16-V

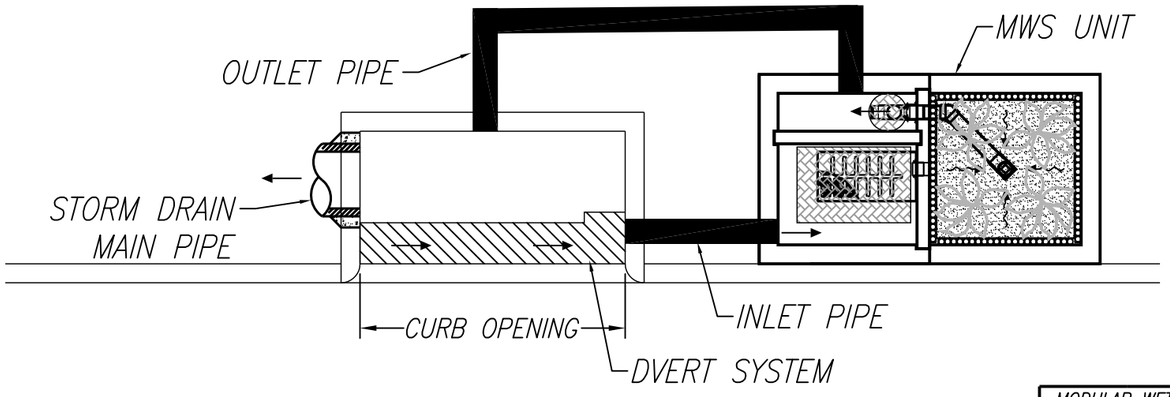
STORMWATER BIOFILTRATION SYSTEM

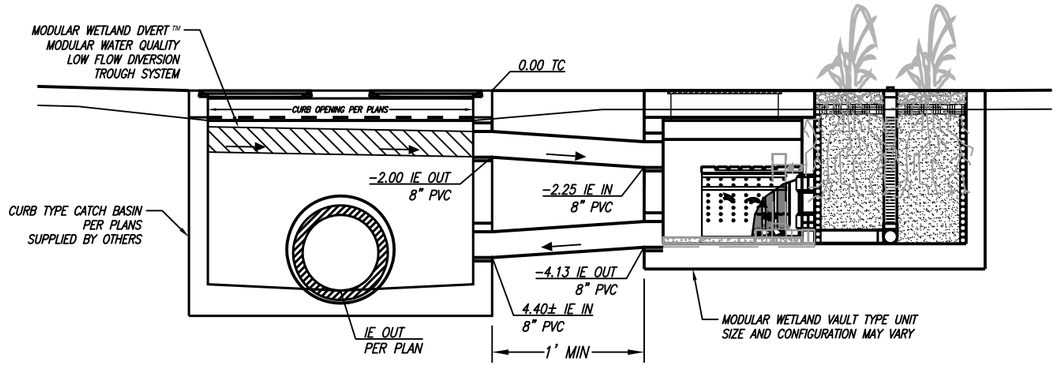
STANDARD DETAIL

MODULAR WETLAND SYSTEMS - LINEAR 2.0
STANDARD DVERT CONFIGURATION









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	NAME	DATE
DRAWN		
EDITED		

COMMENTS:

TITLE: MWS LINEAR 2.0 DVERT SETUP

SIZE	DWG. NO.	REV

SCALE NTS | UNITS = INCHES | SHEET 1 OF 1

SPECIFICATIONS

MWS – Linear

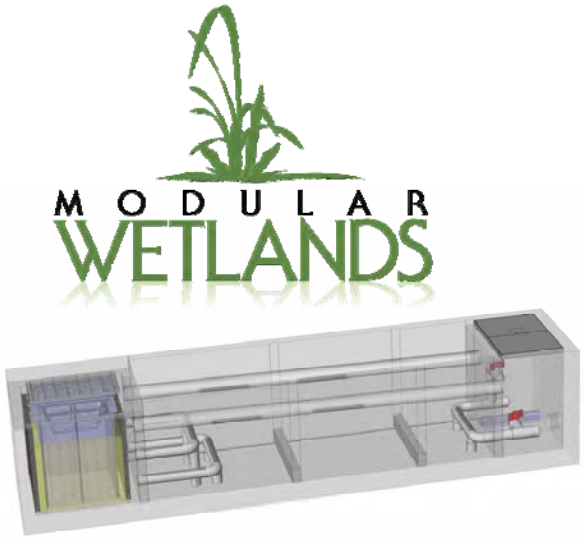
Hybrid Stormwater Filtration System

Modular Wetland Systems, Inc.
P.O. Box 869
Oceanside, CA 92049

www.modularwetlands.com
P 760-433-7640
F 760-433-3179

MWS – Linear

Hybrid Stormwater Filtration System



Save valuable space with small footprint for urban sites.

Improve BMP aesthetics with attractive native and tropical landscape plants.

Reduce lifetime costs with safer and less expensive maintenance

"The MWS – Linear hybrid stormwater treatment system is described as a self contained treatment train. This system utilizes an innovative combination of l treatment processes. Stormwater runoff flows into the system via pipe or curb/grate type catch basin opening. Polluted runoff first encounters a screening device to remove larger pollutants and then enters a hydrodynamic separation chamber which settles out the sediments and larger suspended solids. Next the runoff is treated by a revolutionary filter media, BioMediaGREEN that removes fines and associated pollutants, including bacteria. From there runoff enters of bioretention filter in the form of a subsurface flow vegetated gravel wetland. Within the wetland physical, chemical, and biological mechanisms remove the remaining particulate and dissolved pollutants. The purified runoff leaves the system via the discharge chamber. In the discharge chamber the rate of discharge is controlled by valves set to a desired rate".

Tested Pollutant Removal Efficiencies:

TSS Removal	Dissolved Lead Removal	Dissolved Copper Removal	TPH	E. coli Removal	Turbidity Removal
98%	81%	92%	99%	60.2%	92%

"Nature and Harmony Working Together in Perfect Harmony"

SPECIFICATIONS – MWS- LINEAR

Track Record: The MWS- Linear Hybrid Stormwater Treatment System is manufactured by a company whom is regularly engaged in the engineering design and production of treatment systems for stormwater.

Coverage: The MWS- Linear is designed to treat the water quality volume or water quality flow. For flow based design, high flow bypass is internal, for volume based design, high flow bypass is external and prior to pre-detention system. For offline volume based designs the MWS - Linear has the ability to treat the entire water quality volume when used with pre-storage and properly sized.

Non-Corrosive Materials: The MWS – Linear is designed with non-corrosive materials. All internal piping is SD35 PVC. Catch basin filter components, including mounting hardware, fasteners, support brackets, filtration material, and support frame are constructed of non-corrosive materials (316 stainless steel, and UV protected/marine grade fiberglass). Fasteners are stainless steel. Primary filter mesh is 316 stainless steel welded screens. Filtration basket screens for coarse, medium and fine filtration is ¾" x 1 ¾"expanded, 10 x 10 mesh, and 35 x 35 mesh, respectively. No polypropylene, monofilament netting or fabrics shall be used in this system. Media Protective Panels are constructed of UV protected/marine grade fiberglass. Mounts are constructed of stainless steel. BioMediaGREEN is an inert rock substrate and is non-corrosive. Perimeter filter structure is constructed of lightweight injection molded plastic. Mounting brackets are constructed of SD40 PVC and are mounted with 3/8" diameter stainless steel redheads. Drain down filter cover is constructed of UV protected/marine grade fiberglass and stainless steel hinge and mount.

Weight: Each complete unit weighs approximately 29,000 to 40,000 pounds and requires a boom crane to install. Details of this are provided in the installation section of the MWS-Linear Design Kit.

Transportation: The Modular Wetland System – Linear is designed to be transported on a standard flat bed truck. The unit easily fits on a flat bed truck without the need of special permitting.

Alternative Technology Configurations: The Modular Wetland System – Linear is modular is design. Each module will be up to 22 feet long and 5 feet wide. The system can be made in lengths varying from 13 to 100s of feet long. For lengths longer than 22 feet the system will shipped in modules and assembled on site. The Modular Wetland System – Linear has many alternative configurations. This allows the system to be adapted to many site conditions. Runoff can enter the system through a pipe, and/or a built in curb or grate type opening.

Energy Requirements: The Modular Wetland System – Linear is completely passive and requires no external energy sources.

Buoyancy Issues: Buoyancy is only a an issue when ground water levels rise above the bottom of the Modular Wetland System – Linear's concrete structure. With 8.5 cubic yards of wetland media there is no concern of floatation. As a precaution a footing can also be built into the systems concrete structure.

Durability: The structure of the box will be precast concrete. The concrete will be 28 day compressive strength fc = 5,000 psi. Steel reinforcing will be ASTM A – C857. Structure will support an H20 loading as indicted by AASHTO. The joint between the concrete sections will ship lap and joint sealed with ram-nek. Filter (excluding oil absorbent media) and support structures are of proven durability. The filter and mounting structures are of sufficient strength to support water, sediment, and debris loads when the filter is full, with no slippage, breaking, or tearing. All filters are warranted for a minimum of five (5) years.

Oil Absorbent Media: The MWS – Linear utilizes both physical and biological mechanisms to capture and filter oil and grease. A skimmer and boom system will be positioned on the internal perimeter of the catch basin insert. The primary filtration media, BioMediaGreen, utilized in the perimeter and drain down filters, has excellent hydrocarbon removal abilities. Within the wetland filter biological processes capture and

break down oil and grease. Much of the breakdown and transformation of oil and grease is performed by natural occurring bacteria.

Overflow Protection: The grate and curb type MWS – Linear are designed with an internal bypass consisting of two SD PVC pipes which direct high flows around the perimeter and wetland filter, directly into the discharge chamber. For the volume based vault type configuration, bypass should be located prior to the pre-detention system. For peak flows that exceed internal bypass capacity, external bypass is use.

Filter Bypass: Runoff will bypass filtration (BioMediaGREEN and wetland filter) components of the MWS - Linear. The system will still provide screening and settling during higher flow rates for internally bypassed flows. External bypass will bypass of treatment processes.

Pollutant Removal Efficiency: The MWS - Linear is capable of removing over 90% of the net annual total suspended solids (TSS) load based on a 20-micron particle size. Annual TSS removal efficiency models are based on documented removal efficiency performance from full-scale laboratory tests on BioMediaGreen and quarter-scale laboratory tests on the MWS – Linear flow based system.

POLLUTANT	REMOVAL EFFICIENCY
Trash & Litter	99%
TPH (mg/L)	99%
TSS (mg/L)	98%
E. Coli (MPN/100ml)	60%
Turbidity (NTU)	92%
Dissolved Metals (mg/L)	76%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

Non-Scouring: During heavy storm events the runoff bypasses perimeter and wetland filter components. The system will not re-suspend solids at design flows.

Uniqueness: The Modular Wetland System – Linear is a complete self contained treatment train that incorporates capture, screening, sedimentation, filtration, bioretention, high flow bypass, and flow control into a single modular structure. This system provides four stages of treatment making it the only 4 stage treatment train stormwater filtration system, therefore making it unique to the industry. Other systems do not incorporate all the necessary attributes to make it a complete stormwater management device as with the Modular Wetland System – Linear. Therefore, no equal exists for this system.

Pretreatment & Preconditioning: Since the Modular Wetland System – Linear is a complete capture and treatment train stormwater management system no external pretreatment of preconditioning is necessary.

SPECIFICATIONS – BioMediaGREEN

BioMediaGREEN is a proprietary engineered filter media. Made of a unique combination of the inert naturally occurring material this product is non-combustible and do not pose a fire hazard, stable and non-reactive, and is also biodegradable. It is stable with no known adverse environmental effects.

This product has been tested in long-term carcinogenicity studies [inhalation and intraperitoneal injection (i.p.)] with no significant increase in lung tumors or abdominal tumors. Short-term biopersistent (inhalation and intra-tracheal injection) studies have shown that the products disappear very rapidly from the lung.

In October 2001, IARC classified this product as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on the latest epidemiological studies and animal inhalation studies that show no relation between inhalation exposure and the development of tumors.

The product can typically be disposed of in an ordinary landfill (local regulations may apply). If you are unsure of the regulations, contact your local Public Health Department or the local office of the Environmental Protection Agency (EPA).

Coverage: When properly installed BioMediaGREEN Filter Blocks provide sufficient contact time, at rated flows, of passing contaminate water. The BioMediaGREEN material will capture and retain most pollutants that pass through it. The BioMediaGREEN material is made of a proprietary blend of inert substances. The BioMediaGREEN Filter Blocks can be used in different treatment devices, including but not limited to flume filters, trench drain filters, downspout filters, catch basin inserts, water polishing units, and hydrodynamic separators.

Non-Corrosive Materials: The BioMediaGreen material is made of non-corrosive materials.

Durability: The BioMediaGREEN material has been chosen for its proven durability, with an expected life of 2 plus years. The BioMediaGREEN material is of sufficient strength to support water, sediment, and debris loads when the media is at maximum flow; with no slippage, breaking, or tearing. The BioMediaGREEN material has been tested through rigorous flow and loading conditions.

Oil Absorbent Media: The BioMediaGREEN material has been proven to capture and retain hydrocarbons.

Pollutant Removal Efficiency: The BioMediaGREEN Filter Blocks are designed to capture high levels of Hydrocarbons including but not limited to oils & grease, gasoline, diesel, and PAHs. BioMediaGREEN Filter Blocks have the physical ability to block and filter trash and litter, grass and foliage, sediments, TSS, particulate and dissolved metals, nutrients, and bacteria.

BioMediaGREEN technology is based on a proprietary blend of synthetic inert natural substances aimed at removal of various stormwater pollutants. BioMediaGREEN was created to have a very porous structure capable of selectively removing pollutants while

allowing high flow through rates for water. As pollutants are captured by its structure, BioMediaGREEN captures most pollutants and maintains porosity and filtering capabilities.

Field and laboratory tests have confirmed the BioMediaGREEN capability to capture large percentage of TSS, hydrocarbons, nutrients, and heavy metals. Microbial reduction efficiency will vary depending on colony size, flow rates and site specific conditions.

POLLUTANT	REMOVAL EFFICIENCY
Oil & Grease (mg/L)	90%
TPH (mg/L)	99%
TSS (mg/L)	85%
Turbidity (NTU)	99%
Total Phosphorus (mg/L)	69.6%
Dissolved Metals (mg/L)	75.6%

Sil-Co-Sil 106. Mean particle diameter = 19 microns

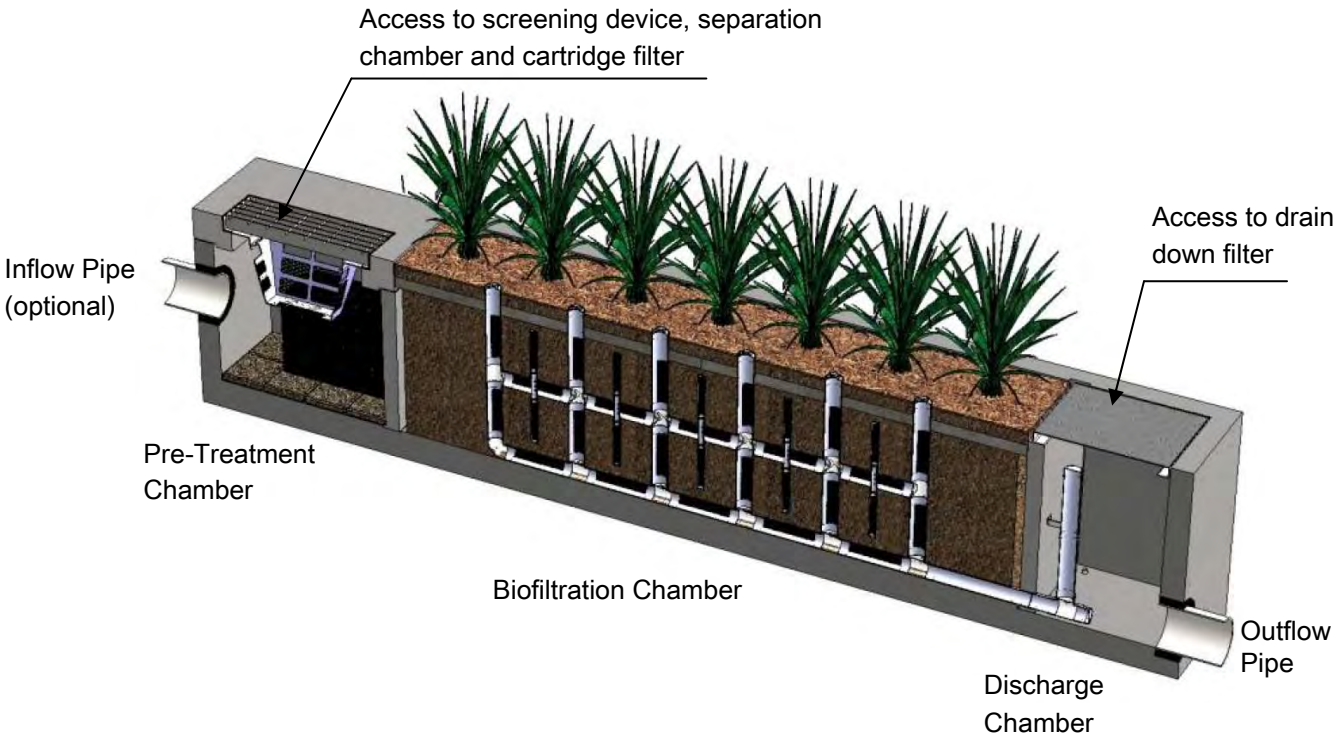
Replacement: Removal and replacement of the blocks is simple. Remove blocks from filtration system. Replace with new block of equal size.

Maintenance Guidelines for Modular Wetland System - Linear

Maintenance Summary

- Remove Trash from Screening Device – average maintenance interval is 6 to 12 months.
  - (*5 minute average service time*).
- Remove Sediment from Separation Chamber – average maintenance interval is 12 to 24 months.
  - (*10 minute average service time*).
- Replace Cartridge Filter Media – average maintenance interval 12 to 24 months.
  - (*10-15 minute per cartridge average service time*).
- Replace Drain Down Filter Media – average maintenance interval is 12 to 24 months.
  - (*5 minute average service time*).
- Trim Vegetation – average maintenance interval is 6 to 12 months.
  - (*Service time varies*).

System Diagram



Maintenance Procedures

Screening Device

1. Remove grate or manhole cover to gain access to the screening device in the Pre-Treatment Chamber. Vault type units do not have screening device. Maintenance can be performed without entry.
2. Remove all pollutants collected by the screening device. Removal can be done manually or with the use of a vacuum truck. The hose of the vacuum truck will not damage the screening device.
3. Screening device can easily be removed from the Pre-Treatment Chamber to gain access to separation chamber and media filters below. Replace grate or manhole cover when completed.

Separation Chamber

1. Perform maintenance procedures of screening device listed above before maintaining the separation chamber.
2. With a pressure washer spray down pollutants accumulated on walls and cartridge filters.
3. Vacuum out Separation Chamber and remove all accumulated pollutants. Replace screening device, grate or manhole cover when completed.

Cartridge Filters

1. Perform maintenance procedures on screening device and separation chamber before maintaining cartridge filters.
2. Enter separation chamber.
3. Unscrew the two bolts holding the lid on each cartridge filter and remove lid.
4. Remove each of 4 to 8 media cages holding the media in place.
5. Spray down the cartridge filter to remove any accumulated pollutants.
6. Vacuum out old media and accumulated pollutants.
7. Reinstall media cages and fill with new media from manufacturer or outside supplier. Manufacturer will provide specification of media and sources to purchase.
8. Replace the lid and tighten down bolts. Replace screening device, grate or manhole cover when completed.

Drain Down Filter

1. Remove hatch or manhole cover over discharge chamber and enter chamber.
2. Unlock and lift drain down filter housing and remove old media block. Replace with new media block. Lower drain down filter housing and lock into place.
3. Exit chamber and replace hatch or manhole cover.

Maintenance Notes

1. Following maintenance and/or inspection, it is recommended the maintenance operator prepare a maintenance/inspection record. The record should include any maintenance activities performed, amount and description of debris collected, and condition of the system and its various filter mechanisms.

2. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time.

3. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.

4. Entry into chambers may require confined space training based on state and local regulations.

5. No fertilizer shall be used in the Biofiltration Chamber.

6. Irrigation should be provided as recommended by manufacturer and/or landscape architect. Amount of irrigation required is dependent on plant species. Some plants may require irrigation.

Maintenance Procedure Illustration

Screening Device

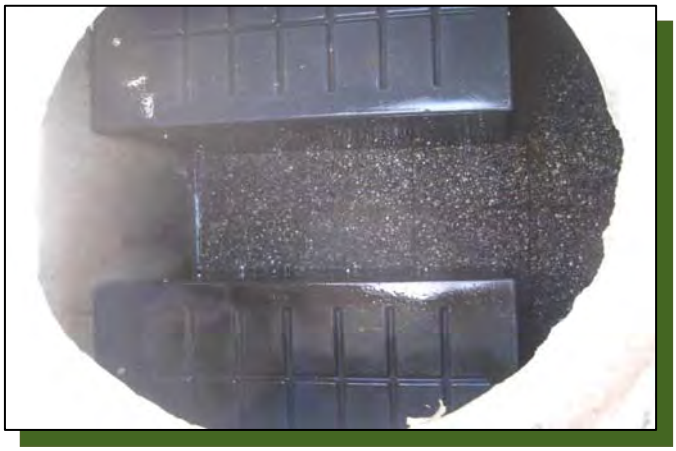
The screening device is located directly under the manhole or grate over the Pre-Treatment Chamber. It's mounted directly underneath for easy access and cleaning. Device can be cleaned by hand or with a vacuum truck.

Separation Chamber

The separation chamber is located directly beneath the screening device. It can be quickly cleaned using a vacuum truck or by hand. A pressure washer is useful to assist in the cleaning process.

Cartridge Filters

The cartridge filters are located in the Pre-Treatment chamber connected to the wall adjacent to the biofiltration chamber. The cartridges have removable tops to access the individual media filters. Once the cartridge is open media can be easily removed and replaced by hand or a vacuum truck.



Drain Down Filter

The drain down filter is located in the Discharge Chamber. The drain filter unlocks from the wall mount and hinges up. Remove filter block and replace with new block.

Trim Vegetation

Vegetation should be maintained in the same manner as surrounding vegetation and trimmed as needed. No fertilizer shall be used on the plants. Irrigation per the recommendation of the manufacturer and or landscape architect. Different types of vegetation requires different amounts of irrigation.

Inspection Form

Modular Wetland System, Inc.
P. 760.433-7640
F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Inspection Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Inspection Checklist

Modular Wetland System Type (Curb, Grate or UG Vault): _____ Size (22', 14' or etc.): _____

Structural Integrity:	**Yes**	**No**	**Comments**
Damage to pre-treatment access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Damage to discharge chamber access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Does the MWS unit show signs of structural deterioration (cracks in the wall, damage to frame)?			
Is the inlet/outlet pipe or drain down pipe damaged or otherwise not functioning properly?			
Working Condition:			
Is there evidence of illicit discharge or excessive oil, grease, or other automobile fluids entering and clogging the unit?			
Is there standing water in inappropriate areas after a dry period?			
Is the filter insert (if applicable) at capacity and/or is there an accumulation of debris/trash on the shelf system?			
Does the depth of sediment/trash/debris suggest a blockage of the inflow pipe, bypass or cartridge filter? If yes, specify which one in the comments section. Note depth of accumulation in in pre-treatment chamber.			Depth:
Does the cartridge filter media need replacement in pre-treatment chamber and/or discharge chamber?			Chamber:
Any signs of improper functioning in the discharge chamber? Note issues in comments section.			
Other Inspection Items:			
Is there an accumulation of sediment/trash/debris in the wetland media (if applicable)?			
Is it evident that the plants are alive and healthy (if applicable)? Please note Plant Information below.			
Is there a septic or foul odor coming from inside the system?			

Waste:	**Yes**	**No**
Sediment / Silt / Clay		
Trash / Bags / Bottles		
Green Waste / Leaves / Foliage		

Recommended Maintenance	
No Cleaning Needed	
Schedule Maintenance as Planned	
Needs Immediate Maintenance	

Plant Information	
Damage to Plants	
Plant Replacement	
Plant Trimming	

Additional Notes: _____

2972 San Luis Rey Road, Oceanside, CA 92058 P (760) 433-7640 F (760) 433-3176

Maintenance Report

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F. 760-433-3176
E. Info@modularwetlands.com

www.modularwetlands.com

Cleaning and Maintenance Report
Modular Wetlands System

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Site Map #	GPS Coordinates of Insert	Manufacturer / Description / Sizing	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Total Debris Accumulation	Condition of Media 25/50/75/100 (will be changed @ 75%)	Operational Per Manufactures' Specifications (If not, why?)
	Lat: Long:	MWS Catch Basins						
		MWS Sedimentation Basin						
		Media Filter Condition						
		Plant Condition						
		Drain Down Media Condition						
		Discharge Chamber Condition						
		Drain Down Pipe Condition						
		Inlet and Outlet Pipe Condition						

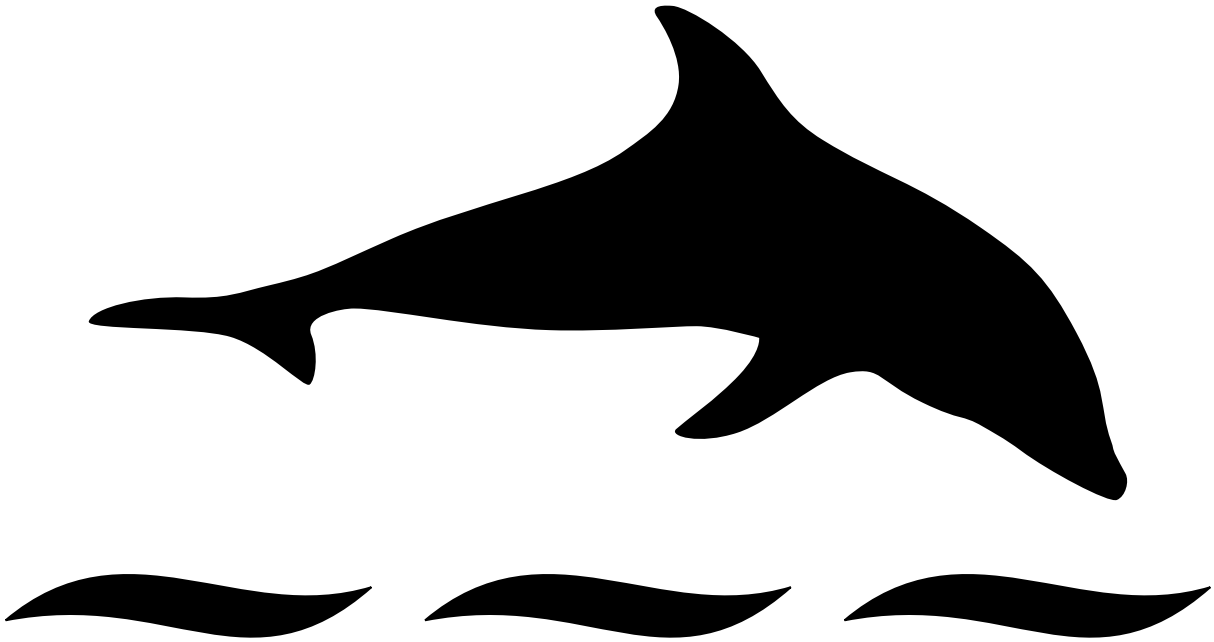
Comments:

2972 San Luis Rey Road, Oceanside, CA 92058 P. 760.433.7640 F. 760.433.3176

Appendix D:
"NO DUMPING – DRAINS TO OCEAN" Stencil Examples

Sample Stencil 1

NO DUMPING



DRAINS TO OCEAN

Sample Stencil 2

Appendix E:
Catch Basin Cleaning

OPERATION & MAINTENANCE PLAN
FOR FILTER INSERT

The maintenance program will include the following key components:

1. **REGULAR SWEEPING AND REMOVAL OF DEBRIS:**
   Vehicle parking lot will be swept on a regular basis. Sediment and debris (litter, leaves, papers and cans, etc.) within the area, especially around the drainage inlet, will be collected and removed. The frequency of sweeping will be based on the amount of sediment and debris generated.

2. **REGULAR INSPECTIONS:**
   The catch basin, downspout, or trench drain filter insert will be inspected on a regular basis. The frequency of inspection will be based on pollutant loading, amount of debris, leaves, etc., and amount of runoff. At a minimum, there will be three inspections per year.

3. **CONDUCT OF THE VISUAL INSPECTION:**
   a. Broom sweep around the inlet and remove the inlet grate.
   b. Inspect the filter liner for serviceability. If called for, the filter body will be replaced.
   c. Check the condition of the adsorbent pouches and visually check the condition of the enclosed adsorbent. If the surface of the granules is more than 50% coated with a dark gray or black substance, the pouches will be replaced with new ones.
   d. Check for loose or missing nuts (on some models) and gaps between the filter and the inlet wall, which would allow bypass of the filter during low flows.
   e. The filter components will be replaced in the inlet and the grate replaced.

4. **CLEANING OUT THE FILTER INSERT:**
   Regardless of the model of filter insert, the devices must be cleaned out on a recurring basis. The manufacturer recommends at least three cleanings per year – more in high exposure areas. For the Flo-Gard+Plus filters, the filter must be cleaned when the solids level reaches close to the fullel tip.
   a. The Standard Filter, in most cases, can be cleaned out by removing the device from the inlet and dumping the contents into a DOT approved drum for later disposal. If the oil-absorbant pouches need to be changed, the time to change them is immediately after dumping and before the filter is replaced in the inlet.
   b. Because of weight, method of installation and so forth, some filter inserts will be cleaned with the aid of a vactor truck. If necessary, the oil-absorbant pouches will be changed after the pollutants have been removed and as the filter is being returned to service.

5. **MAINTENANCE LOG:**
   Keep a log of all inspections and maintenance performed on the catch basins, trench drains, and filter inserts. Keep this log on-site.

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION	
Contact:	Phone: ( )
Project Name:	
Address:	
Filter No. & Model:	

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

CATCH BASIN MAINTENANCE RECORD

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

SITE INFORMATION		
Contact:	Phone: ( )	
Project Name:		
Address:		
Filter No. & Model:		

SERVICE INFORMATION		
Date of Service:	By:	
☐ Inspection	☐ Clean Debris	☐ Clean Silt/Sediment
☐ Replace Pouch	☐ Replace Rock	☐ Repair/Replace Parts
Comments:		
Approval Signature:		

Appendix F:
General Education Materials

To be provided during final engineering

Appendix G:
Operation and Maintenance Plan

To be provided during final engineering

Appendix H:
Geotechnical Investigation

ALTA CALIFORNIA
GEOTECHNICAL INC.

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CITY VENTURES
3121 Michelson Drive, Suite 150
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May 6, 2019
Project No. 1-0286

Attention: Ms. Kim Prijatel

Subject: **GEOTECHNICAL INVESTIGATION**
930 West Compton Boulevard
City of Compton, California.

References: See Appendix A

Dear Ms. Prijatel:

Presented herein is Alta California Geotechnical, Inc.'s (Alta) geotechnical investigation report for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing and review of the referenced reports.

Also included in this report are:

- Discussion of the site geotechnical conditions;
- Recommendations for remedial and site grading, including unsuitable soil removals;
- Geotechnical site construction recommendations;
- Preliminary foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

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Reviewed By:

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Distribution: (1) Addressee
SAG: TJC: FR: JC: 1-0286, May 6, 2019 (Prelim Geo Investigation, 930 W Compton Blvd)

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1.0 INTRODUCTION

The following report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. The property is depicted on the enclosed Plate 1. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Review of the referenced literature, maps, reports and aerial photos (Appendix A);
- Site geologic mapping;
- Excavating, logging, and sampling five (5) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B);
- Conducting laboratory testing on samples obtained during our investigation (Appendix C);
- Performing an infiltration study on an additional boring, five (5) feet in depth, to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal;
- Conducting a liquefaction analysis;
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading, import soil, foundations and utilities;
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Existing Conditions

The property consists of a rectangular-shaped, 2.45± -acre parcel located at 930 West Compton Boulevard, in the City of Compton, California. Currently, the site is a vacant lot and is relatively flat. The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue.

A review of aerial photos (Historic Aerials, 2019) indicates that the lot was vacant up until the 1970s where it was graded for the construction of a hospital. The hospital was demolished around 2004 and the lot has remained vacant since.

2.2 Proposed Development

It is our understanding that site will be developed into a residential development to support 24 homes with associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements. Design cuts and fills onsite are anticipated to be five feet or less.

3.0 SITE INVESTIGATION

3.1 Current Subsurface Investigation

Alta conducted a subsurface investigation on April 18, 2019 consisting of the excavation, logging and select sampling of five (5) hollow-stem auger borings up to a maximum depth of 51.5 feet below the existing ground surface and the installation of one (1) five-foot deep well for infiltration testing. The locations of the exploratory excavations are shown on Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the site may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using one, five (5) foot-deep boring (P-1) as shown on Plate 1. The testing was performed on April 19, 2019 in general conformance with the County of Los Angeles for WQMP. The test well was presoaked for 24 hours prior to testing and the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate for P-1 is 0.13 inches per hour, with no factor of safety, as summarized in Table 3-1. Recommendations for infiltration BMP design are presented in Section 6.3.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)	
Test Designation	P-1
Approximate Depth of Test	5.0 ft
Final Time Interval	30 minutes
Radius of Test Hole	4 inches
Tested Infiltration Rate	0.13 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where major right-lateral active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on Alta's review of geologic literature and our subsurface investigation, the project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

4.2.1 Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

4.2.2 Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill which consist of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff and medium

dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings and Bryant (2010) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework the site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which the site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward to the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the Santa Ana sub-block, which is bound on the east by the Whittier-Elsinore fault zone and on the west by Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the onsite sediments are of Quaternary age, and are not fractured, folded, or faulted.

4.4 Groundwater

Groundwater was not encountered to a depth of 51.5 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is ten (10) feet below the ground surface (CDMG, 1998).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles south west of the Puente Hills fault zone, 9.1 miles north 0f the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

4.5.2 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

Seismic design parameters using soil profile types identified in the 2016 California Building Code are presented in Section 7.3.

4.5.3 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically-induced ground shaking.

Groundwater was not encountered during our subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow-stem auger borings and laboratory test results to analyze the liquefaction

potential of the young Quaternary alluvium. A description of Alta's analysis and calculations are presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking.

- **Loss of Bearing:**

  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**

  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  There were no layers within 32 feet of the existing ground surface with $(N1)_{60}$ values less than 15 that are susceptible to liquefaction. As such, it is our opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

- **Settlement:**

  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand

particles. Our liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1.

- **Flow Failure:**

  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

4.5.4 Dry Sand Settlement

Dry sand settlement is the process of settlement of the ground surface during a seismic event in sand layers. Based on the remedial grading recommendations, the density and fines content of the underlying young alluvium, dry sand settlement is not anticipated to be a significant constraint.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) and in-place moisture/density results are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigation, it is our opinion that the majority of the onsite materials possess favorable excavation characteristics such that conventional earthmoving equipment can be utilized.

5.1.2 Compressibility

The onsite artificial fill and upper portions of the young alluvium are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the artificial fill and upper portions of young alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B. These soils may need to be dried or mixed with drier materials before placing them as engineered fill, as noted in Section 6.2.6.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, and/or irregular loading patterns.

Based on our laboratory testing (Appendix C), the potential for hydro-collapse onsite is minimal and should be within foundation tolerances upon the completion of the recommended unsuitable soils removals.

5.1.5 Expansion Potential

Expansion index testing was performed on a sample taken during our subsurface investigation. Based on the results, it is anticipated that the

majority of materials onsite are "medium" to "high" in expansion potential (51≤EI≤130, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Artificial Fill/Young Quaternary Alluvium	Shrink 4% to 6%	5%

5.1.7 Chemical Analyses

Chemical testing was performed on a sample of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Class S0) per ACI 318-14.

Negligible chloride levels were detected in the onsite soils (Appendix C). Resistivity testing conducted as part of this investigation, indicates that the soils are "severely corrosive" to buried metals (per Romanoff, 1989). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Compton criteria.

6.1.1 Site Preparation

Vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Los Angeles Department of Health Services.

Existing concrete from the demolition of the hospital should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a

maximum size of six (6) inches. Prior to placement as engineered fill, any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

6.1.2 Unsuitable Soil Removals

The artificial fill and the upper portions of the young alluvium are compressible and as such, are not suitable to support the proposed structures. Therefore, it is anticipated that, on average, the upper three (3) to six (6) feet of existing soils will require removal and recompaction, extending a minimum of five (5) feet horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet of natural soils is recommended (all artificial fill should be removed and recompacted). For cuts greater than two (2) feet in street areas, removals are not required. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils such as undocumented artificial fill are exposed upon the completion of the removals recommended above, additional removals may be required.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type equipment.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater will not be encountered during construction. It is possible that perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of the compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Types "B" and "C" per OSHA standards. Upon completion of the recommended removals and re-compaction, the artificial fill will be classified as Soil Type "B". It is anticipated that perched water will not be encountered during excavation. The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

6.2.10 Backcut Stability

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary instability, either on or offsite, further restrictions such as slot cutting, extending work days, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Storm Water Infiltration Systems

Municipalities have been increasing the requirement for onsite storm water infiltration, rather than allowing water to enter storm drain systems. From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rate for P-1 was calculated to be 0.13-inches per hour, at approximately 5-feet below the existing ground surface. The results do not include a factor of safety. Given the characteristics of the underlying soil, in our opinion, deeper testing would not result in higher rates.

Groundwater was not encountered during our subsurface investigation at a depth of 51.5 feet below the existing ground surface. The historic-high groundwater is 10 feet below the ground surface (CDMG, 1998).

Given the low infiltration rate, high in-situ moisture content and fine-grained nature of the underlying soil, infiltration WQMP systems are likely not feasible at the subject site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.4 Boundary Conditions

The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue. Construction of retaining/screen walls in these areas may require additional

geotechnical recommendations concerning unsuitable soil removals and foundation design parameters as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story, wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess "medium" to "high" expansion potential when tested in general accordance with ASTM Test Method D: 4829. Due to the expansion potential, it is anticipated that post-tensioned slabs will be utilized for the project.

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement - 0.5 inches in 40 feet Dynamic Settlement - 0.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-3. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2016 CBC.

TABLE 7-3
POST-TENSION SLAB DESIGN PARAMETERS

Category	Expansion Potential	Minimum Embedment*	Edge Lift		Center Lift	
			Em (ft)	Ym (inch)	Em (ft)	Ym (inch)
II	Medium	18 inches	5.0	1.10	9.0	0.46
III	High	24 inches	4.5	1.58	9.0	0.65
Slab Subgrade Moisture						
Category II	Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete					
Category III	Minimum 130% of optimum moisture to a depth of 18 inches prior to pouring concrete					
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, the minimum embedment depths can be reduced to 12-inches for Category II and 18-inches for Category III.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic

membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site has been identified as "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the project are presented on Figure 1. These parameters should be verified by the structural engineer. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

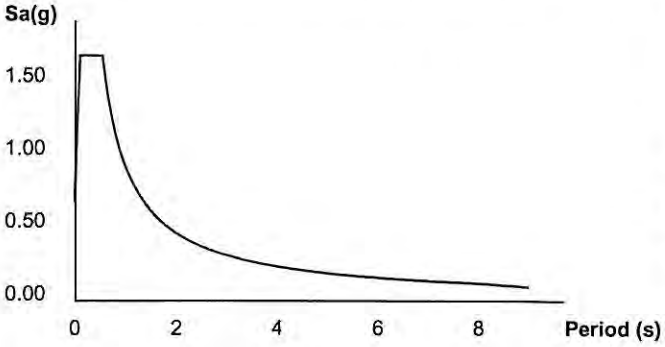
7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

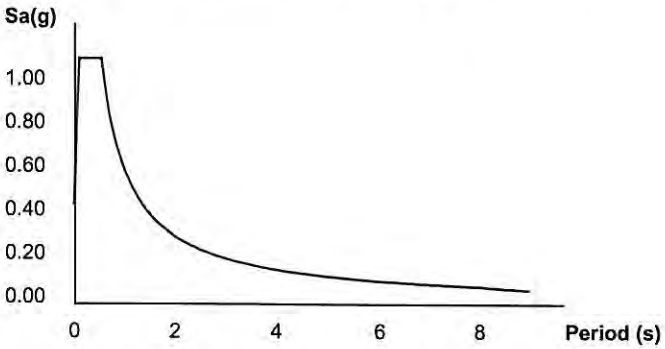
Search Information

Address:	930 W Compton Blvd, Compton, CA 90220, USA
Coordinates:	33.895486, -118.24094000000002
Elevation:	83 ft
Timestamp:	2019-04-30T19:17:15.204Z
Hazard Type:	Seismic
Reference Document:	ASCE7-10
Risk Category:	II
Site Class:	D

MCER Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S_S	1.682	MCE_R ground motion (period=0.2s)
S_1	0.616	MCE_R ground motion (period=1.0s)
S_{MS}	1.682	Site-modified spectral acceleration value
S_{M1}	0.924	Site-modified spectral acceleration value
S_{DS}	1.122	Numeric seismic design value at 0.2s SA
S_{D1}	0.616	Numeric seismic design value at 1.0s SA

▾Additional Information

Name	Value	Description
SDC	D	Seismic design category
F_a	1	Site amplification factor at 0.2s
F_v	1.5	Site amplification factor at 1.0s
CR_S	0.986	Coefficient of risk (0.2s)
CR_1	1.002	Coefficient of risk (1.0s)
PGA	0.623	MCE_G peak ground acceleration
F_{PGA}	1	Site amplification factor at PGA

FIGURE 1

7.6 Retaining Wall Design

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Based on the fine-grained nature of the soils onsite, it is anticipated suitable free-draining backfill material will need to be imported to the site. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-3 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-3
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2016 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $21H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2016 CBC.

- Restrained retaining walls should be designed for "at-rest" conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case by case basis.

7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

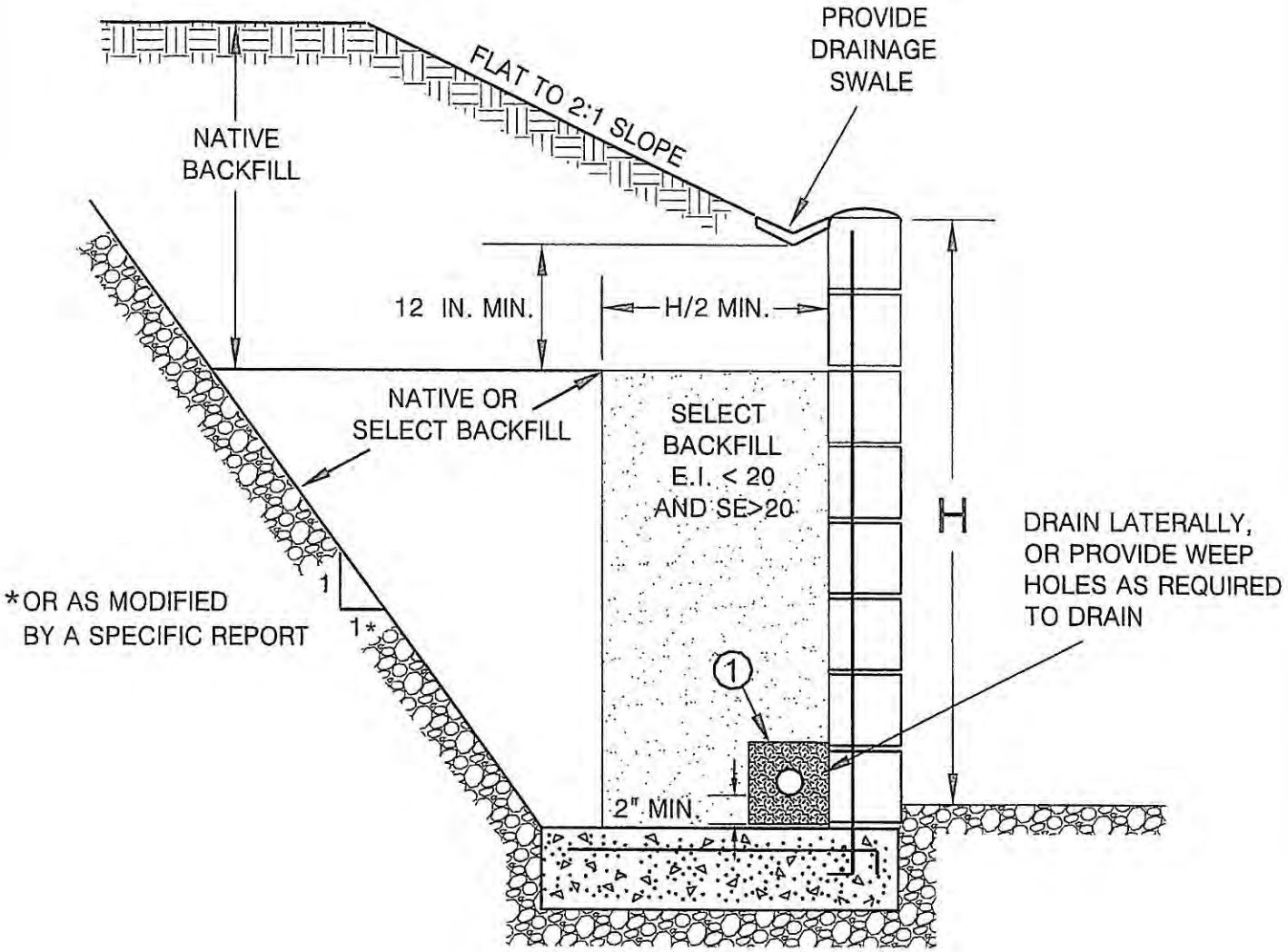
7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 120 percent of optimum moisture (medium expansion) or a

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

minimum of 130 percent of optimum moisture (high expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as medium in expansion potential with possible amounts of high expansive soil. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium or high expansive soils. Given the expansion potential, consideration should be given to reinforcing concrete flatwork with a minimum of 6x6-W1.4xW1.4 welded wire mesh.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils. Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 10, the pavement may be designed utilizing the sections presented in Table 7-4. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Compton's purview.

Table 7-4 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 10-inch AB	4-inch AC on 7-inch AB
5.5	3-inch AC on 11-inch AB	4-inch AC on 8.5-inch AB
6.0	3.5-inch AC on 11.5-inch AB	4-inch AC on 10.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Compton. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. The following recommendations should be implemented.

8.1 Lot Drainage

Roof, pad and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Owners should be made aware that they are responsible for maintenance and cleaning of

all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Residents or owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this

report. If the project description or final design varies from that described herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling five (5) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate locations of the exploratory excavations are shown on Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Ring Samples 2. Bulk Samples	1. Ring-Select Depths 2. Bulk-Select Depths

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200 | 40 | 10 | 4

CLEAR SQUARE SIEVE OPENINGS: 3/4" | 3" | 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	Sieve Analysis
SA	Maximum Density
MAX	Resistance (R) Value
RV	Expansion Index
EI	Sand Equivalent
SE	Atterberg Limits
AL	Chemical Analysis
CHEM	Hydrometer Analysis
HY	

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @ 0.5 ft. dark brown, moist.				
	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 3.5 ft. brown.	19.7	102	84	
5		R	38		ML	@ 5.0 ft. CLAYEY SILT, light tan brown to brown, moist, very stiff, trace gravel up to 1/4" in diameter.	20.0	104	89	
	75	R	38			@ 7.5 ft. brown.	18.3	111	99	
10		R	53			@ 10.0 ft. brown w/ mottled light tan.	19.0	108	94	
	70									
15		R	36			@ 15.0 ft. light brown.	16.3	103	72	
					CL	@ 16.0 ft. SILTY CLAY, brown w/light tan mottling, very stiff, few gravel up to 3/4" in diameter.				
	65									
20		R	42		ML	@ 20.0 ft. CLAYEY SILT, light brown tan, moist, very stiff.	21.8	102	94	
	60									
25		S	6,8,10			25.0 ft. brown.				
	55									
30		S	5,8,11							
	50									
35		S	8,10,13							
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	11,17,18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya); Continued: @ 41.0 ft. SILTY CLAY, brown, moist, very stiff.				
40										
45		S	18,21,30		SP	@ 45.0 ft. SAND, fine to medium grained, white tan, slightly moist, very dense.				
35										
50		S	21,33,37			@ 50.0 ft. moist.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry stiff, w/roots, few gravel up to 1/2" in diameter. @ 0.5 ft. dark brown, moist, concrete cobbles up to 7" in diameter.				
	80	R	16				14.3	116	89	
		B								
5		R	34		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	13.0	120	92	
	75									
10		R	71		ML	@ 10.0 ft. CLAYEY SILT w/SAND, white/orange brown, moist, very stiff.	12.0	120	84	HY, AL
	70									
15		R	38			@ 15.0 ft. slightly moist, brown.	21.3	105	99	
	65									
20		R	35			@ 20.0 ft. light orange brown, moist, stiff.	18.9	105	86	
	60									
25		S	5,9,12							
	55									
30		S	6,7,13		ML	@ 30.0 ft. SILT, light brown, moist, stiff, few clay.				
	50									
35		S	7,13,20			@ 35.0 trace gravel up to 1/4" in diameter.				
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	15,15,15		SC	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; CLAYEY SAND, brown, moist, very stiff.				
40										
45		S	10,10,15		ML	@ 45.0 CLAYEY SILT, brown, moist, very stiff. @ 46.5 ft. gray brown.				
35										
50		S	5,10,12			TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80	R	13				16.1	110	84	
5		R	22		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY w/SAND, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	17.6	112	98	CON, HY
	75	R	80			@ 7.5 ft. brown w/tan mottling.	15.3	112	84	CON, HY
					ML	@ 8.5 ft. CLAYEY SILT, tan, moist, very stiff.				
10		R	60			@ 10.0 ft. light brown w/tan mottling.	13.3	120	92	
	70									
15		R	19				18.6	103	82	
	65									
20		R	24			@ 20.0 ft. brown w/orange mottling.	19.9	105	91	
	60									
25		S	6,8,10		CL	@ 25.0 ft. SILTY CLAY, brown, moist, stiff.				HY, AL
	55									
30		S	7,7,10							
	50									
35		S	9,15,14		ML	@ 35.0 ft. CLAYEY SILT, brown, w/orange mottling, moist, very stiff.				
	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	10,10,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, stiff, few clay.				
					SP	@ 41.5 ft. SAND, fine to medium grained, light brown, medium dense, few silt.				
	40									
45		S	19,31,25							
	35									
50		S	3,6,10		ML	@ 50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
0	83	B			CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist, concrete cobbles up to 1' in diameter				MAX, EI, HY, CHEM
5	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown, moist, stiff, trace gravel up to 1/4" in diameter.	16.1	114	95	
10	75	R	38		ML	@ 10.0 ft. CLAYEY SILT, light tan, moist, very stiff.	18.1	102	77	
15	70	R	31			@ 15.0 ft. brown, very stiff.	23.1	100	95	
20	65	R	26		CL	@ 20.0 ft. SILTY CLAY, brown w/orange mottling, moist, very stiff.	18.4	107	89	
25	60	S	3,7,9			@ 25.0 ft. stiff.				
30	55	S	4,6,9			@ 30.0 ft. trace gravel up to 1/4" in diameter.				
35	50	S	9,14,16		ML	@ 35.0 ft. CLAYEY SILT, brown, moist, very stiff.				
45	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	13,15,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, very stiff, fine grained sand.				
	40									
45		S	13,17,21			@ 45.0 ft. more sand.				
	35									
50		S	3,6,10		ML	@50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- [R] RING (DRIVE) SAMPLE
- [S] SPT (SPLIT SPOON) SAMPLE
- [B] BULK SAMPLE [T] TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter.				
	80					@0.5 ft. dark brown, moist.				
5		R	15		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): CLAYEY SILT, light tan, slightly moist, stiff.	11.6	105	53	
	75									
10		R	58			@ 10.0 ft. light brown.	18.7	106	88	
	70									
15		R	33			@ 15.0 ft. brown w/tan mottling, very stiff.	21.7	104	97	
	65									
20		R	33				19.7	105	90	
	60				ML	@ 21.0 ft. SILT, orange brown, moist, very stiff.				
25		S	5,6,9		ML	@ 25.0 ft. CLAYEY SILT, brown, moist, stiff.				
	55									
30		S	5,7,9			@ 30.0 ft. orange brown.				
	50									
35		S	7,11,14							
	45					Continued.				

SAMPLE TYPES:
R RING (DRIVE) SAMPLE
S SPT (SPLIT SPOON) SAMPLE
B BULK SAMPLE T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	4,6,14		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown w/orange mottling, moist, stiff, few clay.				
40										
45		S	6,8,12		CL	@ 45.0 ft. SILTY CLAY, brown, moist, stiff.				
35										
50		S	7,10,13		ML	@ 50.0 ft. CLAYEY SILT, brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	P-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80									
					CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 4.0 ft. brown.				
5						TOTAL DEPTH 5.0 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-6

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk sample was evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively "undisturbed" soil samples at their natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

compression to the original 1-inch height. The consolidation test results are shown on Plates C-1 and C-2.

Atterberg Limits

Atterberg limit testing of two samples was performed by Alta. The results of these tests are presented on Table C.

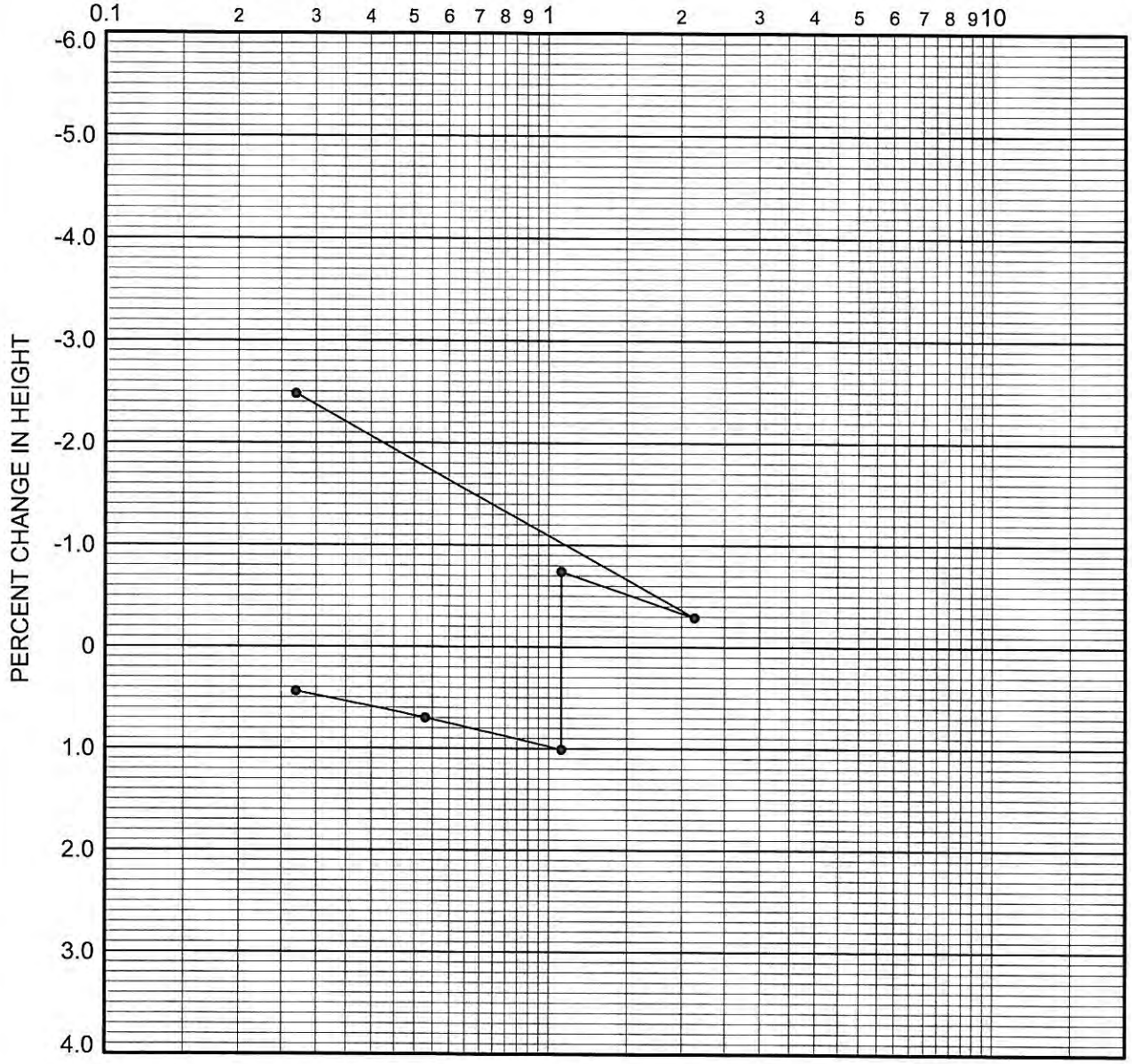
Chemical Analyses

Chemical testing of selected samples was performed by Alta. The results of these tests are presented in Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0286

Boring/Pit No.	Depth (Feet)	Soil Description	Group Symbol - Unified Soil Classification System	Maximum Dry Density		Direct Shear	Grain Size Analysis				Expansion Index	Sulfate Content (%)	Consolidation	Other Tests Remarks
				Maximum Density (pcf)	Optimum Moisture (%)		Gravel (% + No. 4 Screen)	% Sand	%Silt (0.074 to 0.005mm)	% Clay (-0.005 mm)				
B-2	10	Clayey Silt w/Sand (Qya)	ML				0	26	41	33				LL=31 PL=18 PI=13
B-3	5	Silty Clay w/Sand (Qya)	CL				0	32	28	40			See Plate C-1	
B-3	7.5	Silty Clay (Qya)	CL				1	17	40	42			See Plate C-2	
B-3	25	Silty Clay (Qya)	CL				0	4	43	53				LL=47 PL=26 PI=21
B-4	2-5	Silty Clay w/Sand (af)	CL	122.9	12.3		1	23	37	39	83	ND		Min. Resistivity - 950 OHM-CM Chloride - 10ppm PH - 7.4

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	5.0	112	17.6	98	68	CL	Silty Clay w/Sand (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

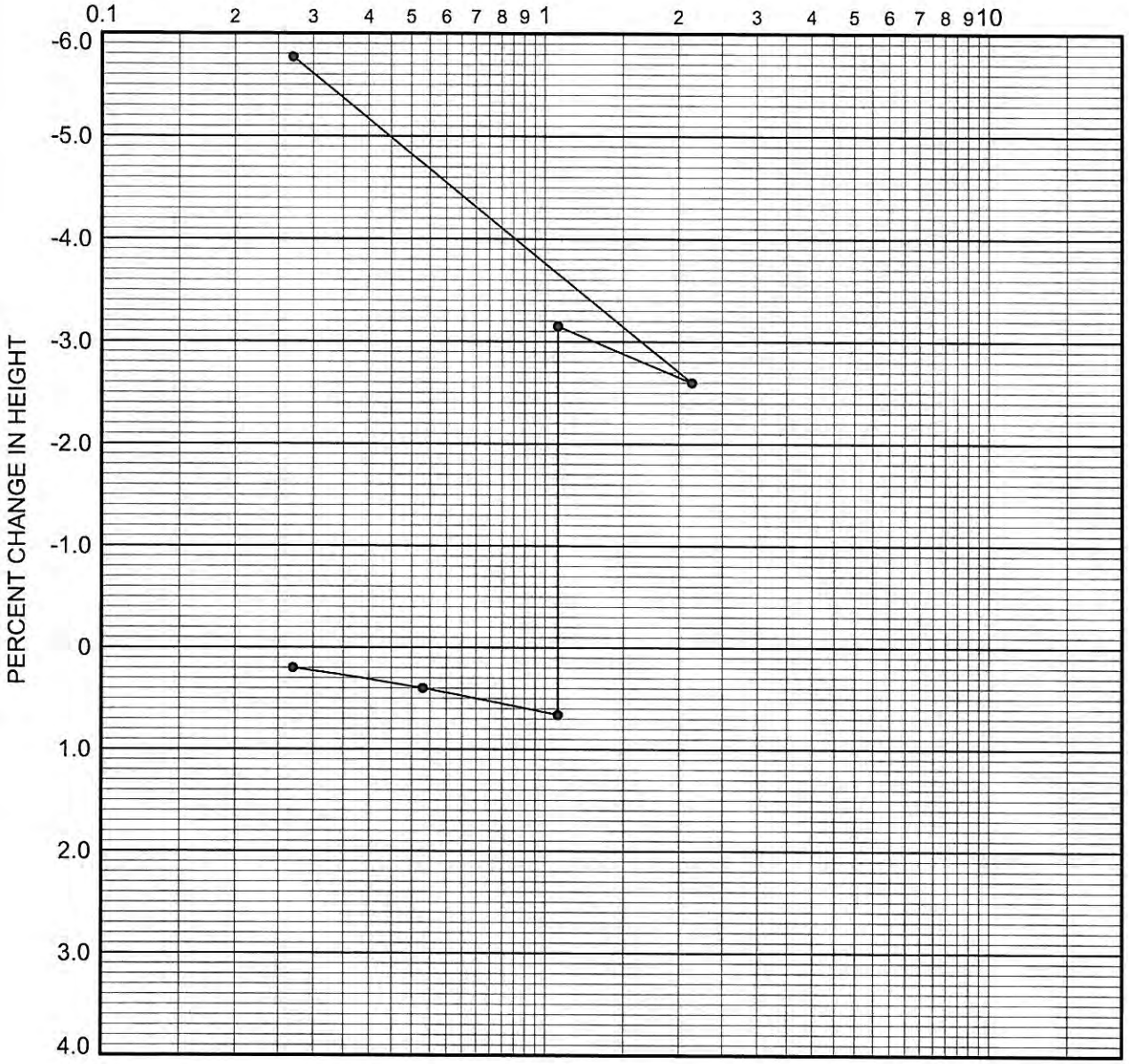
CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-1

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	7.5	112	15.3	84	82	CL	Silty Clay (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-2

Appendix D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

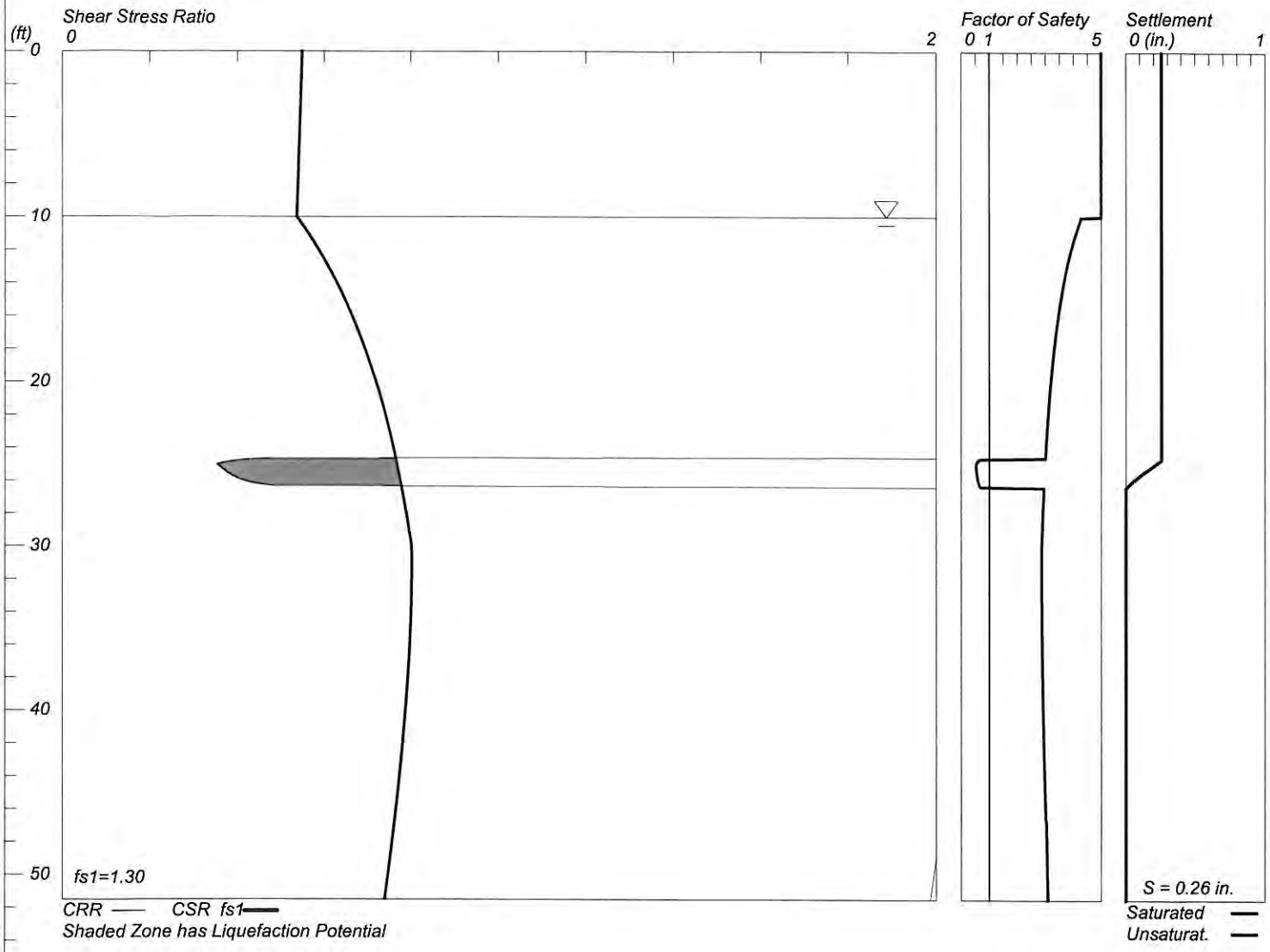
A liquefaction analysis was performed for the site based on SPT data gained from the hollow stem auger drilling. The Ishihara/Yoshimine method to analyze dynamic settlement for the SPT data. The calculations used the following constants: 0.65g for site acceleration, 7.1 for the magnitude of the earthquake, and a groundwater depth of 10 feet below existing grade. A factor of safety of 1.3 was utilized. The results are presented on Plate D-1 through D-5.

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-1 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



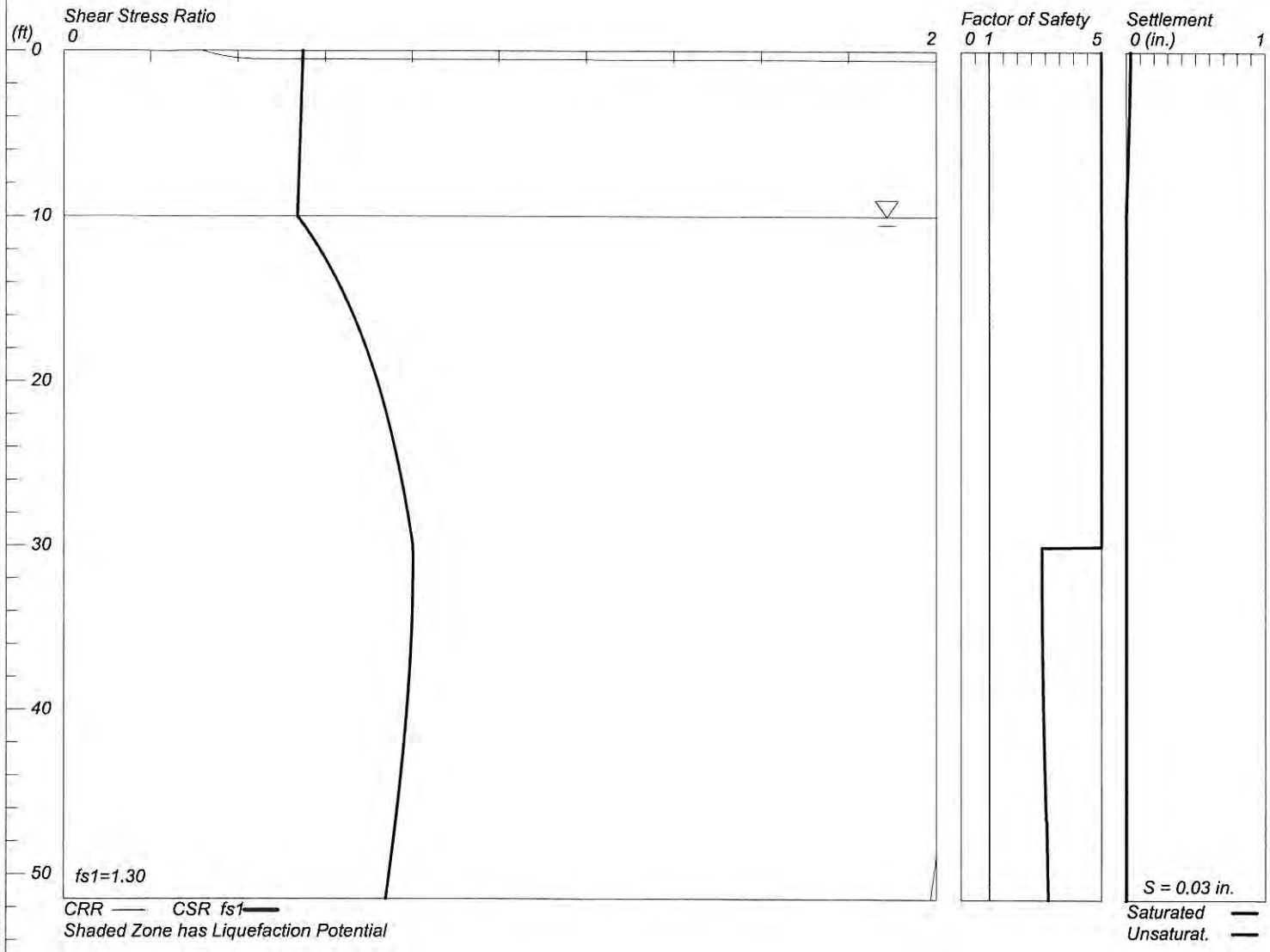
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-2 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



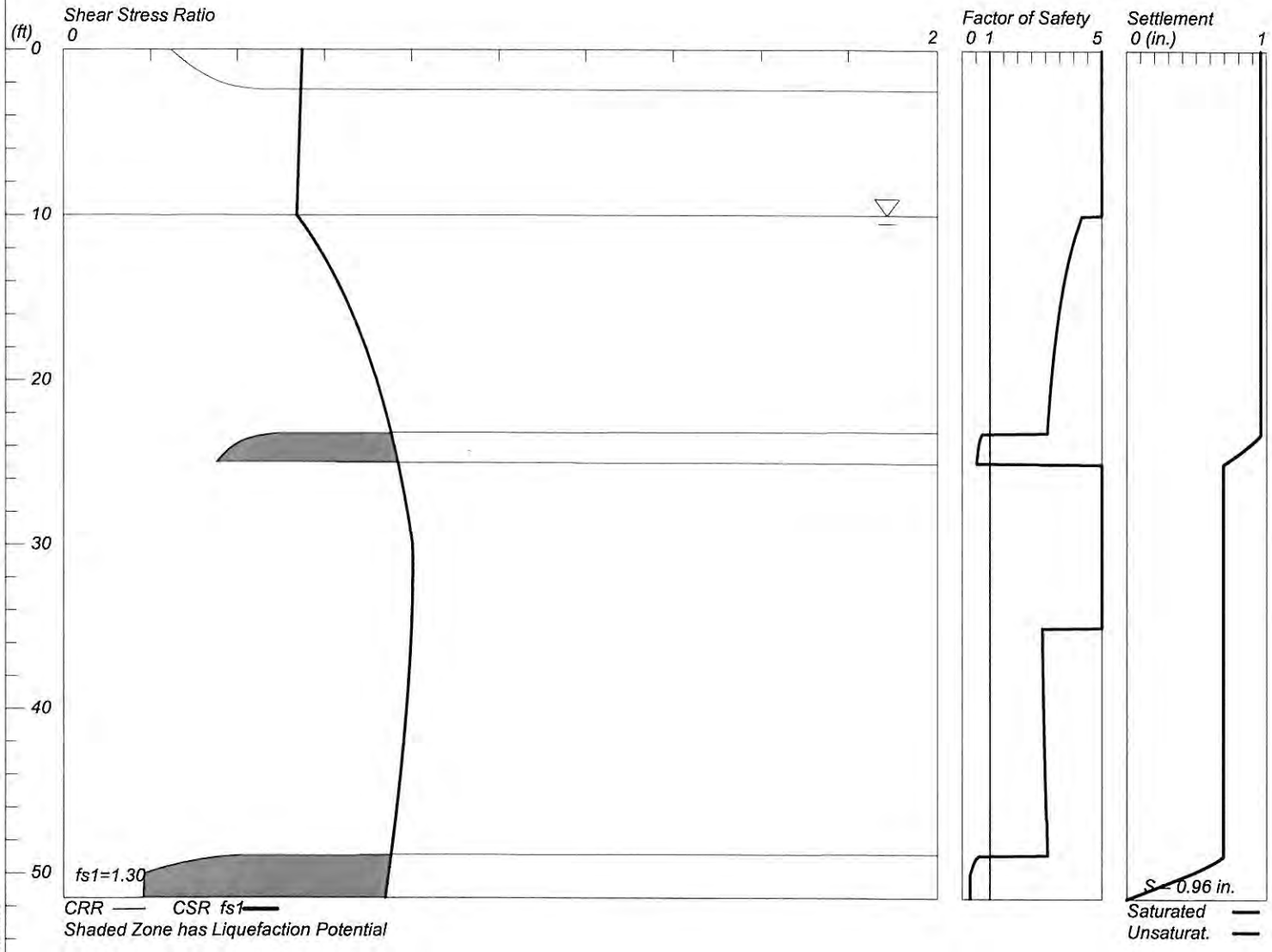
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-3 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



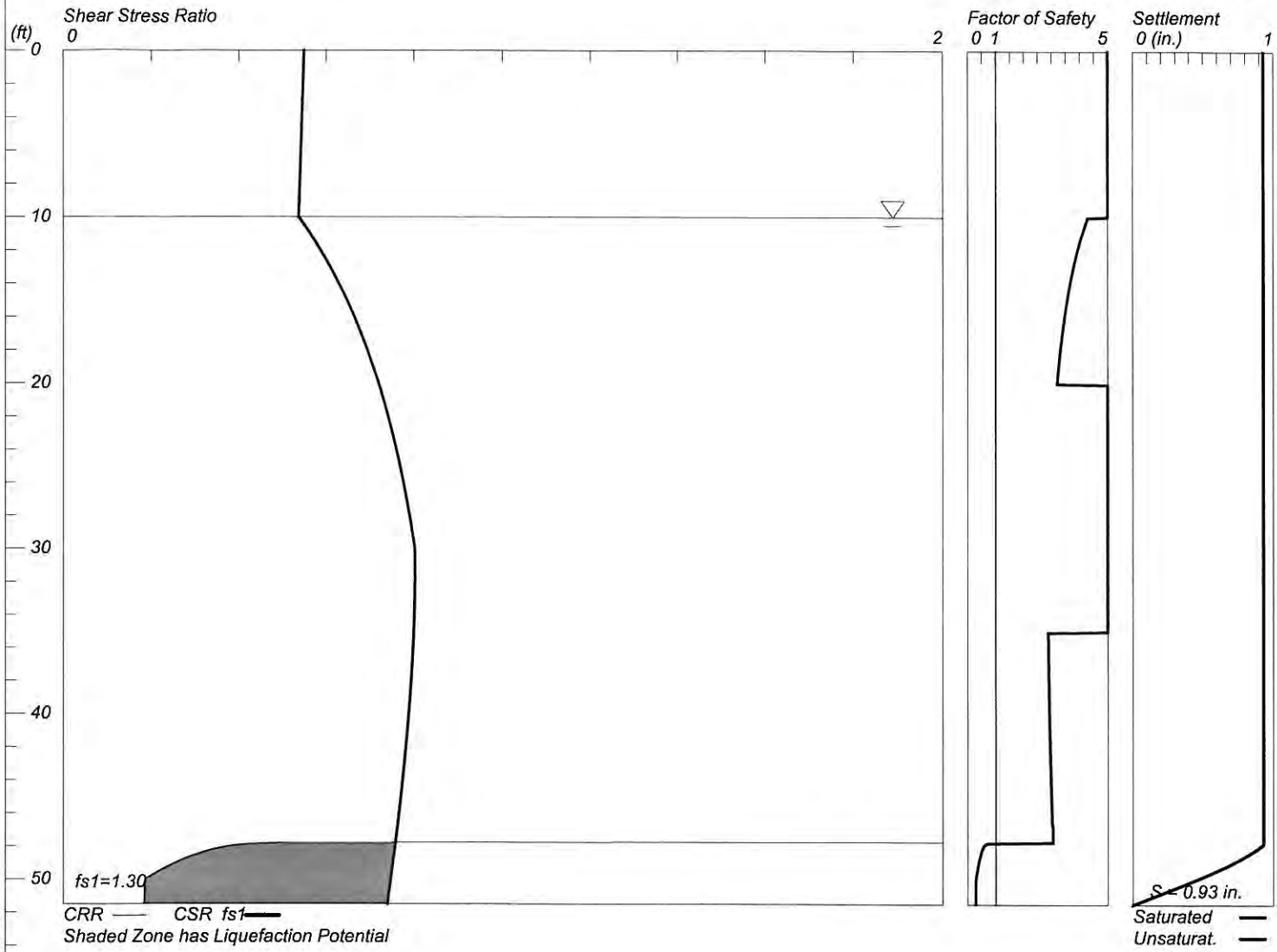
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-4 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



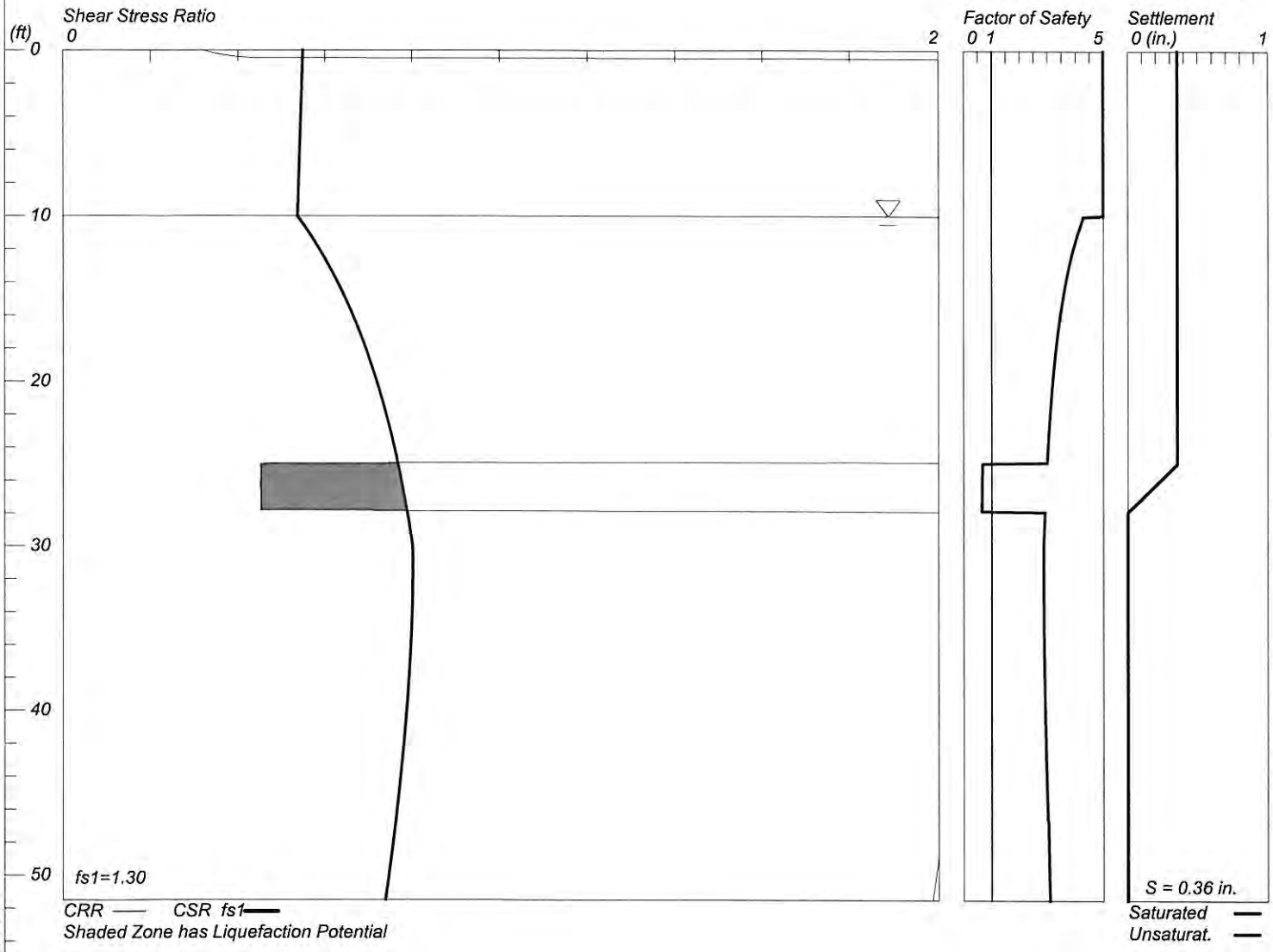
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-5 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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APPENDIX E

Maintenance Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.
- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. **ENGINEERED FILLS**

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. **FINISHED SLOPES**

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

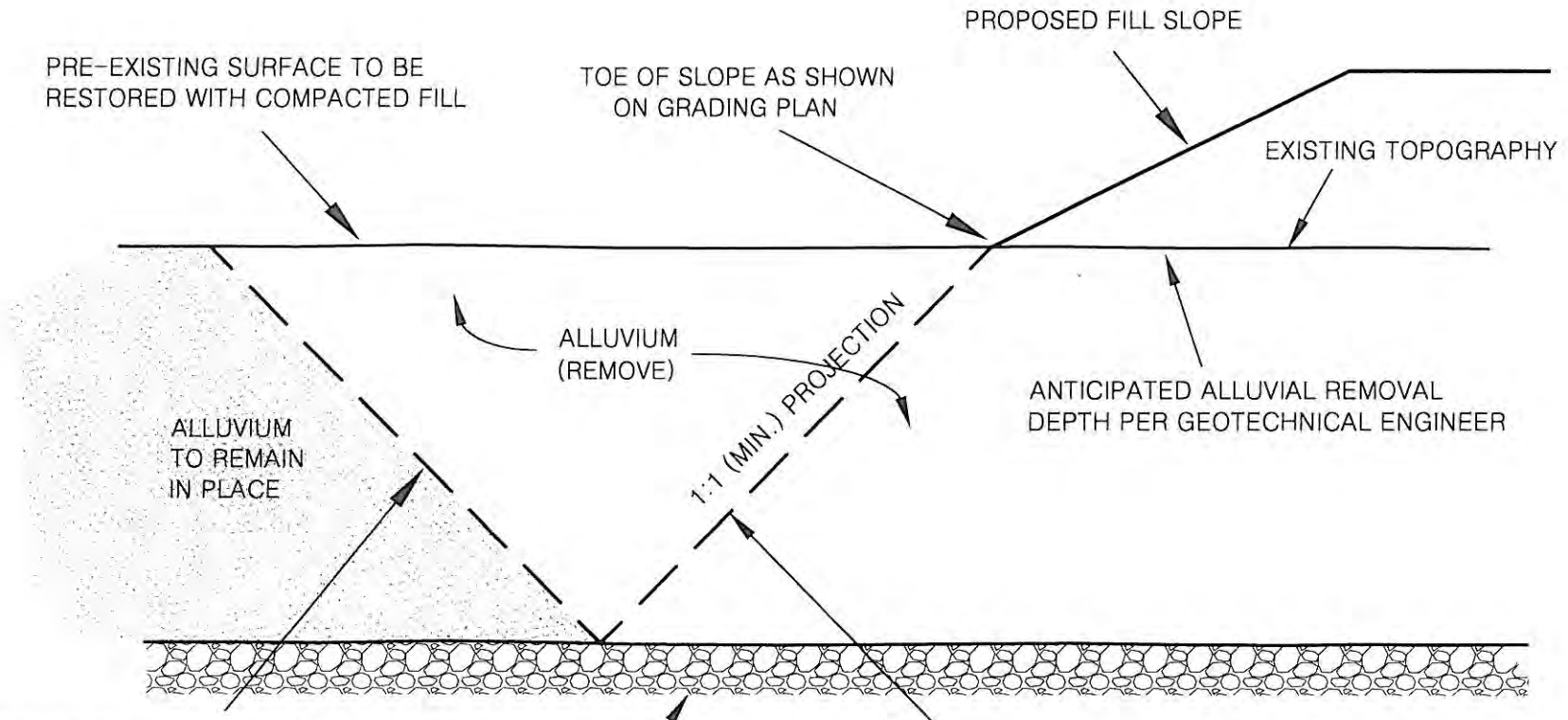

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PLATE G-1

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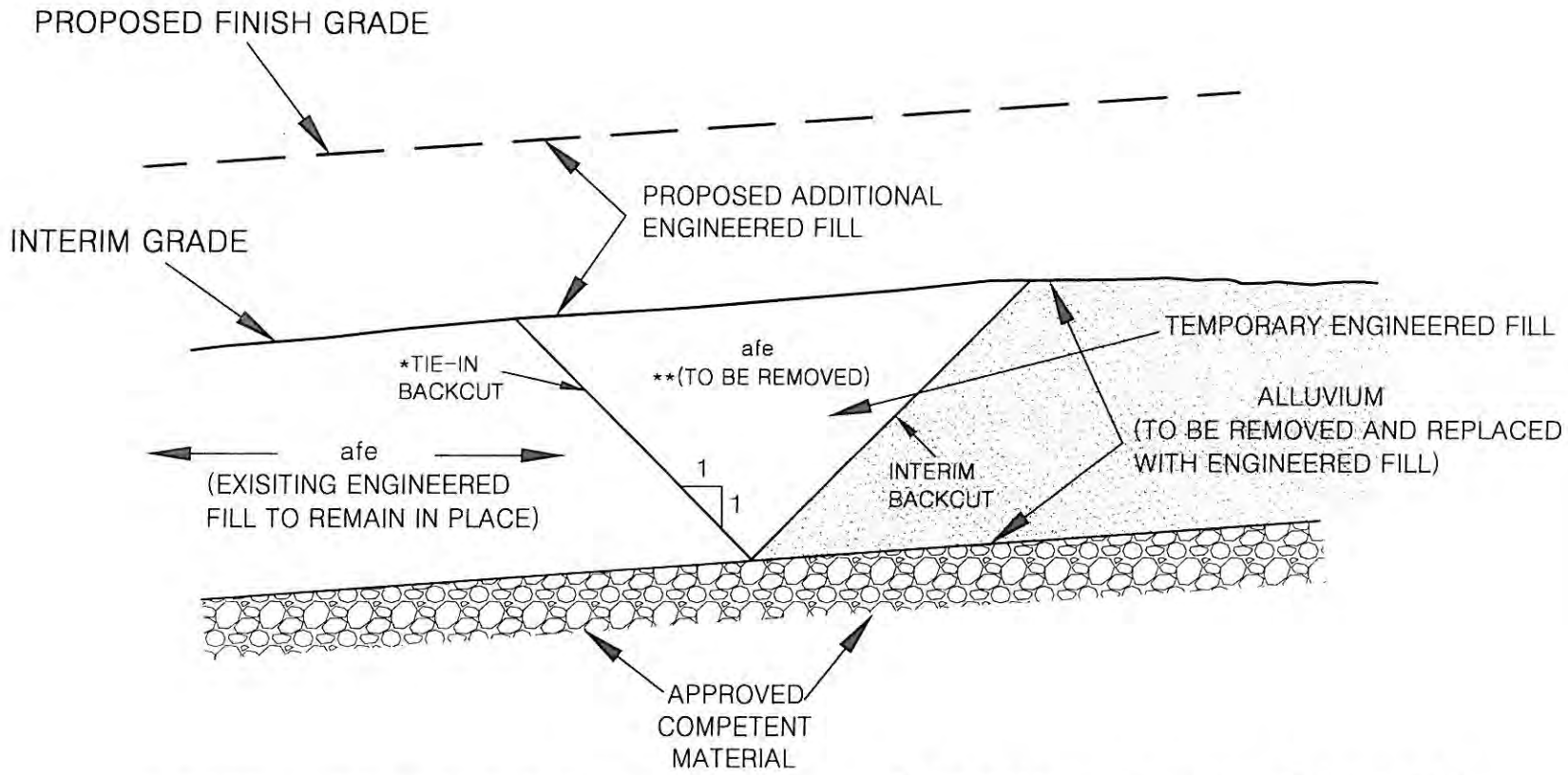
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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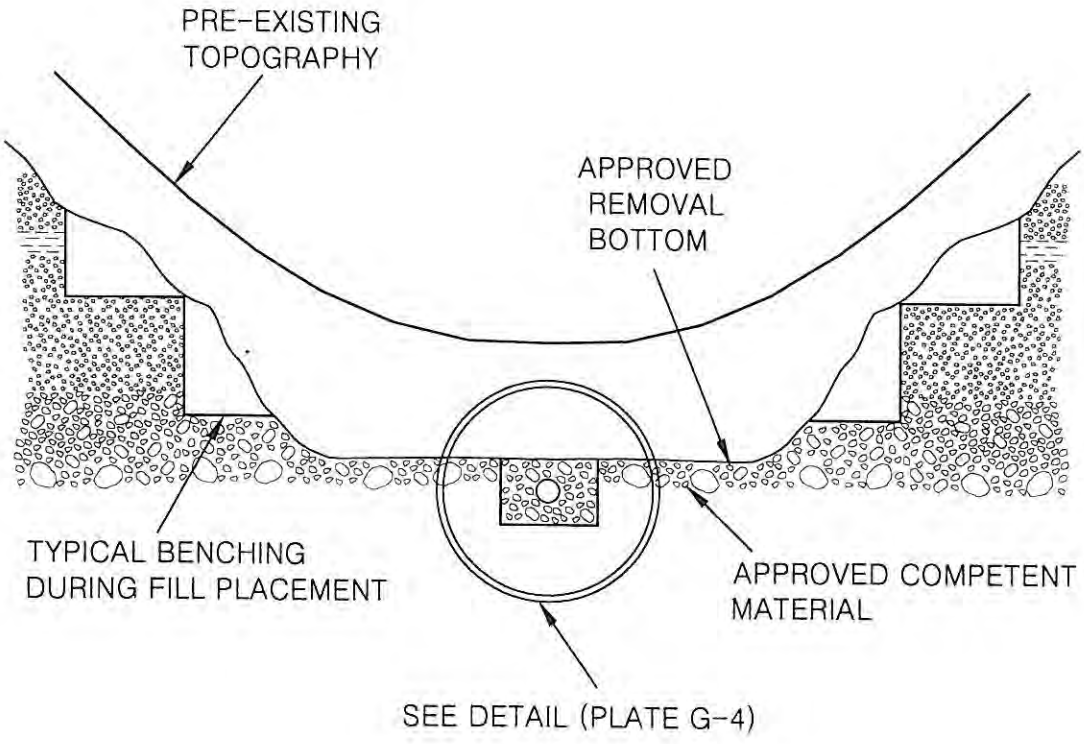
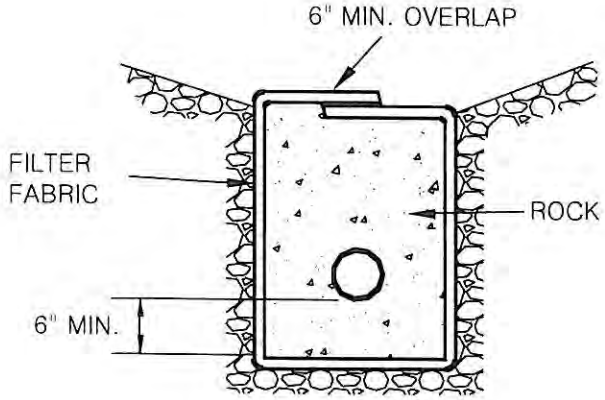
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL



PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK

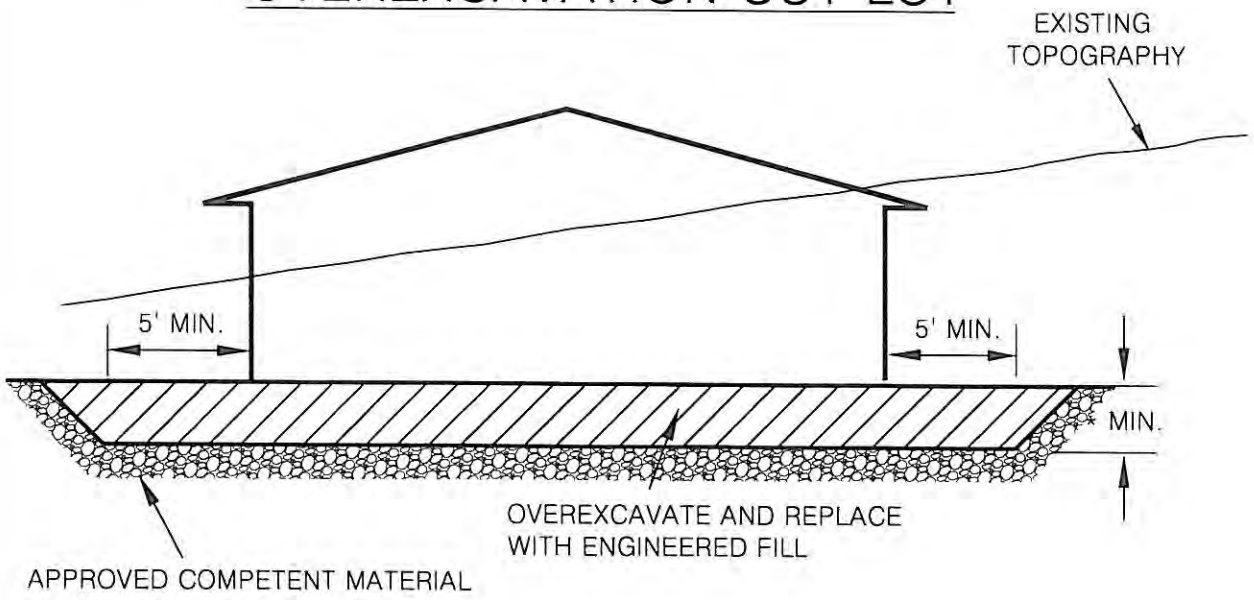
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

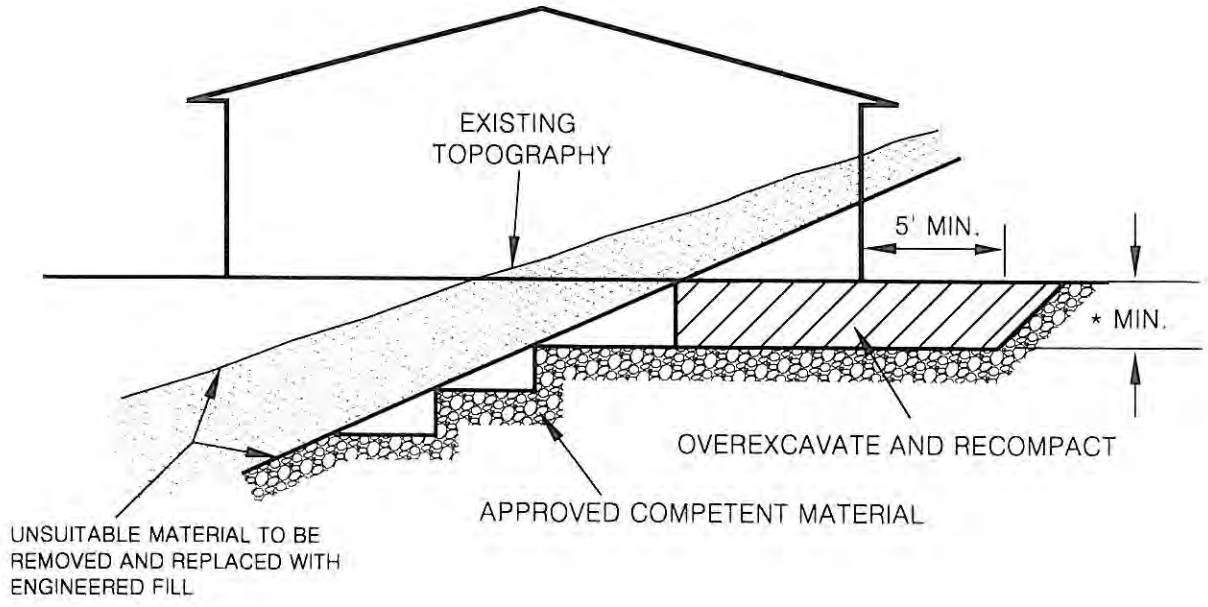
NOTES:

1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



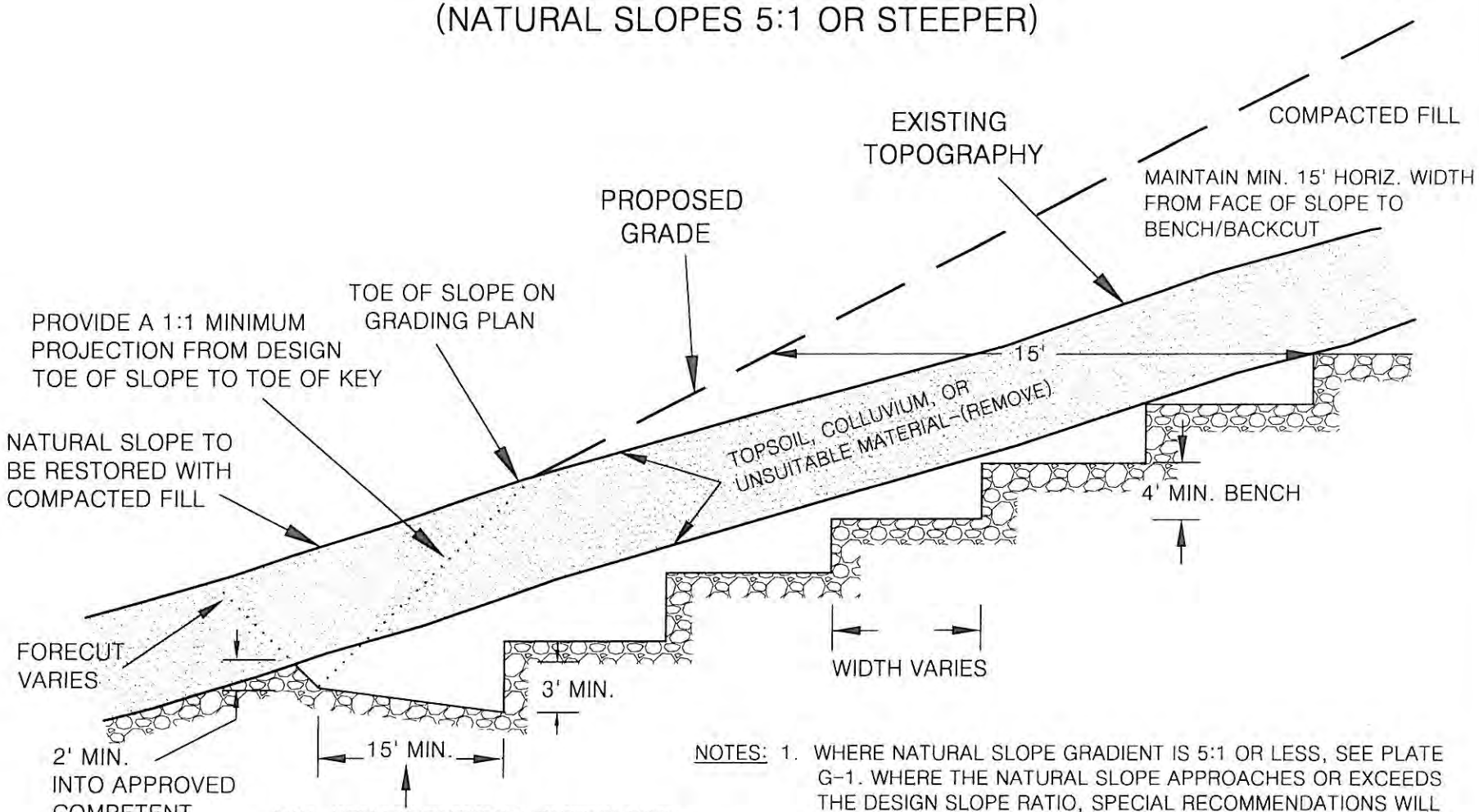
CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

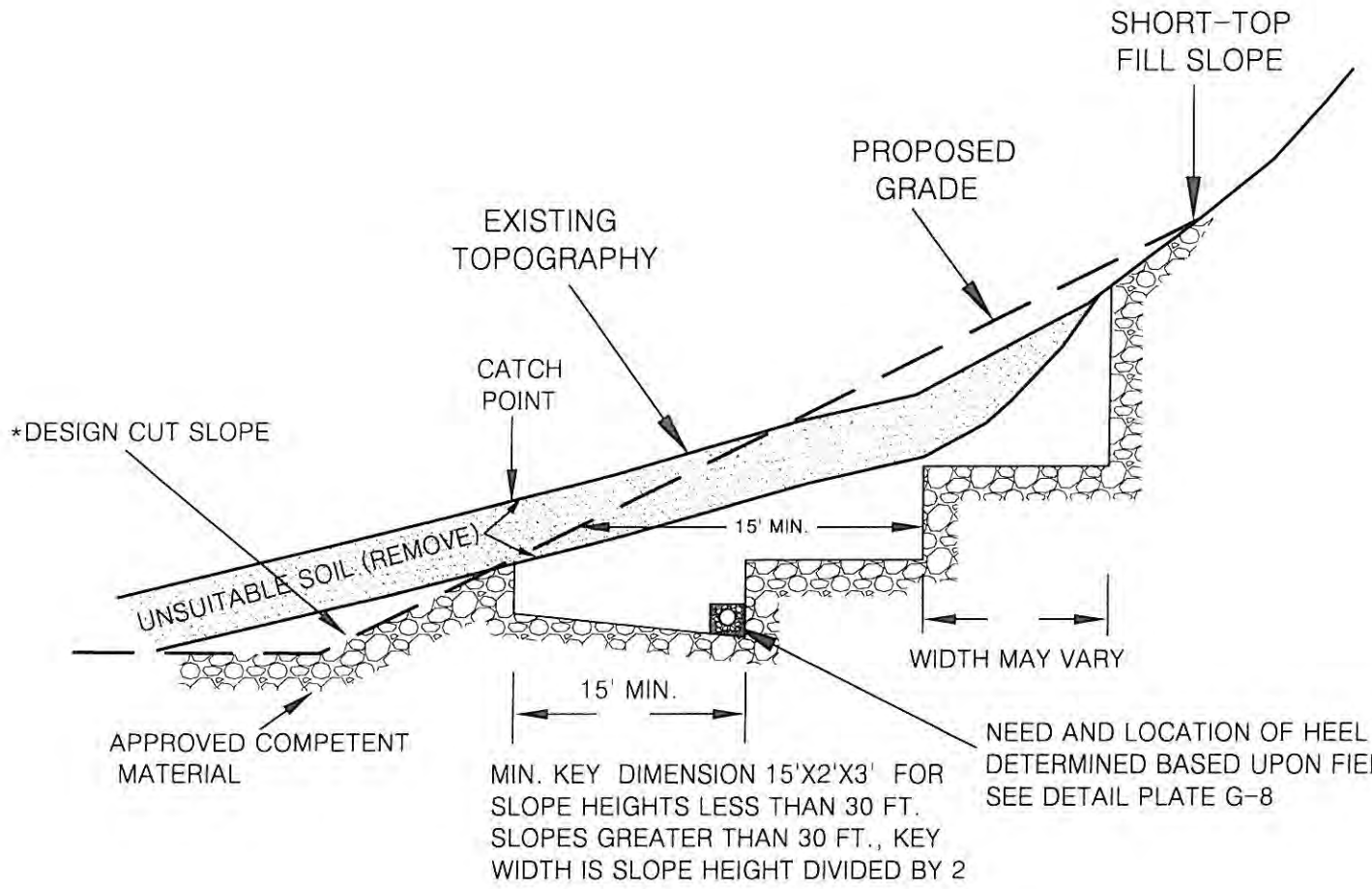
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:
1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

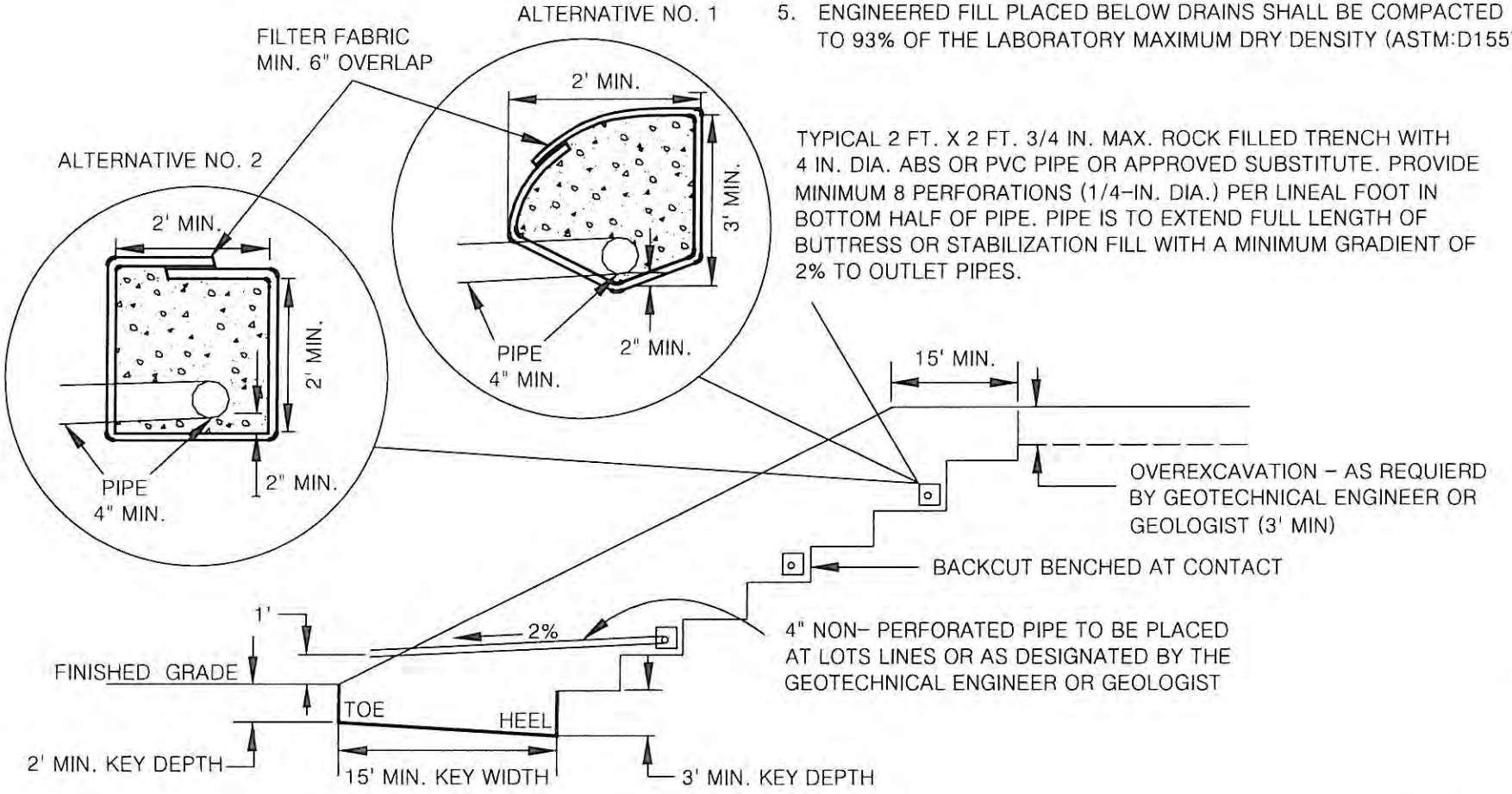

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PLATE G-8

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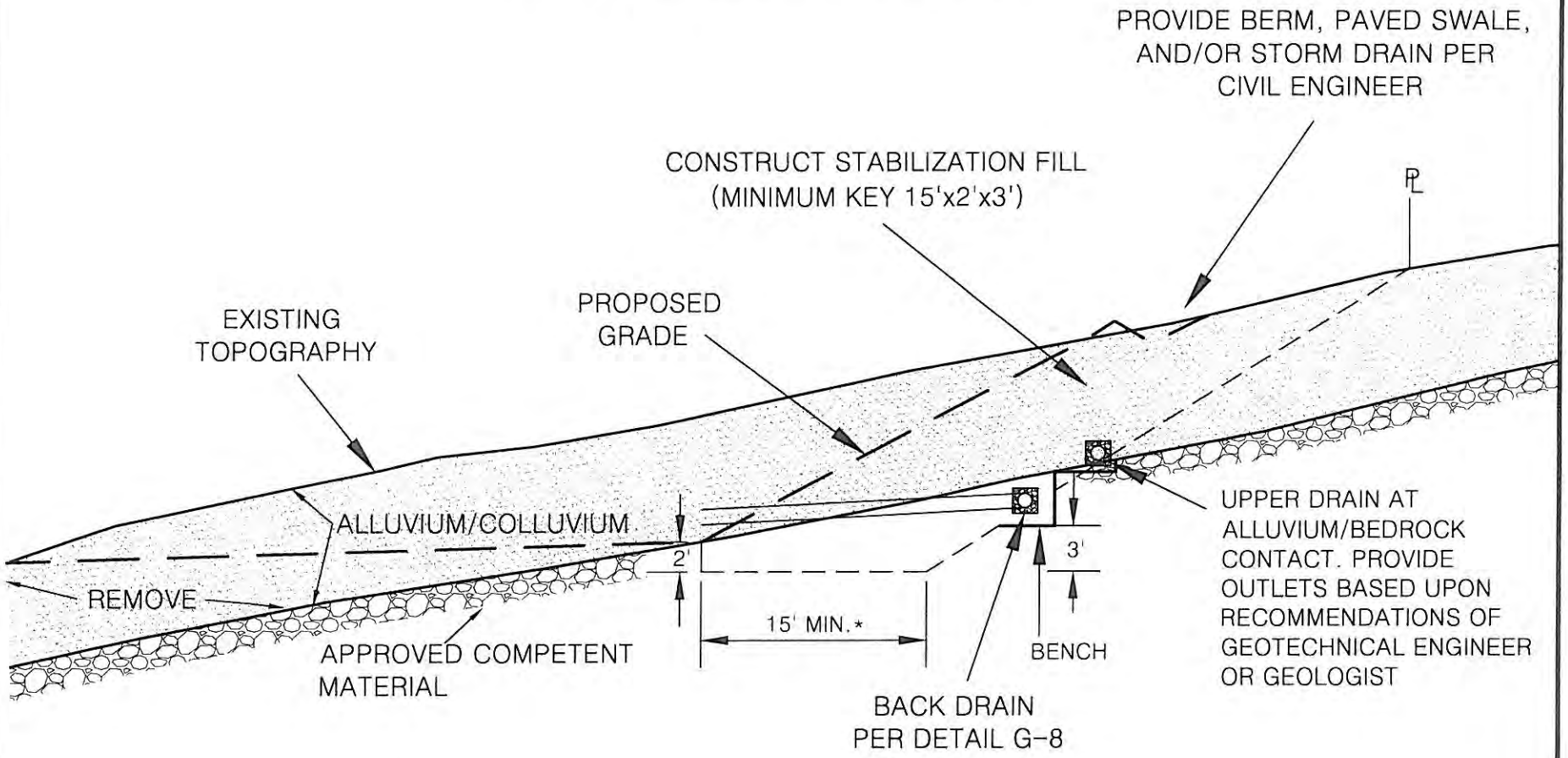
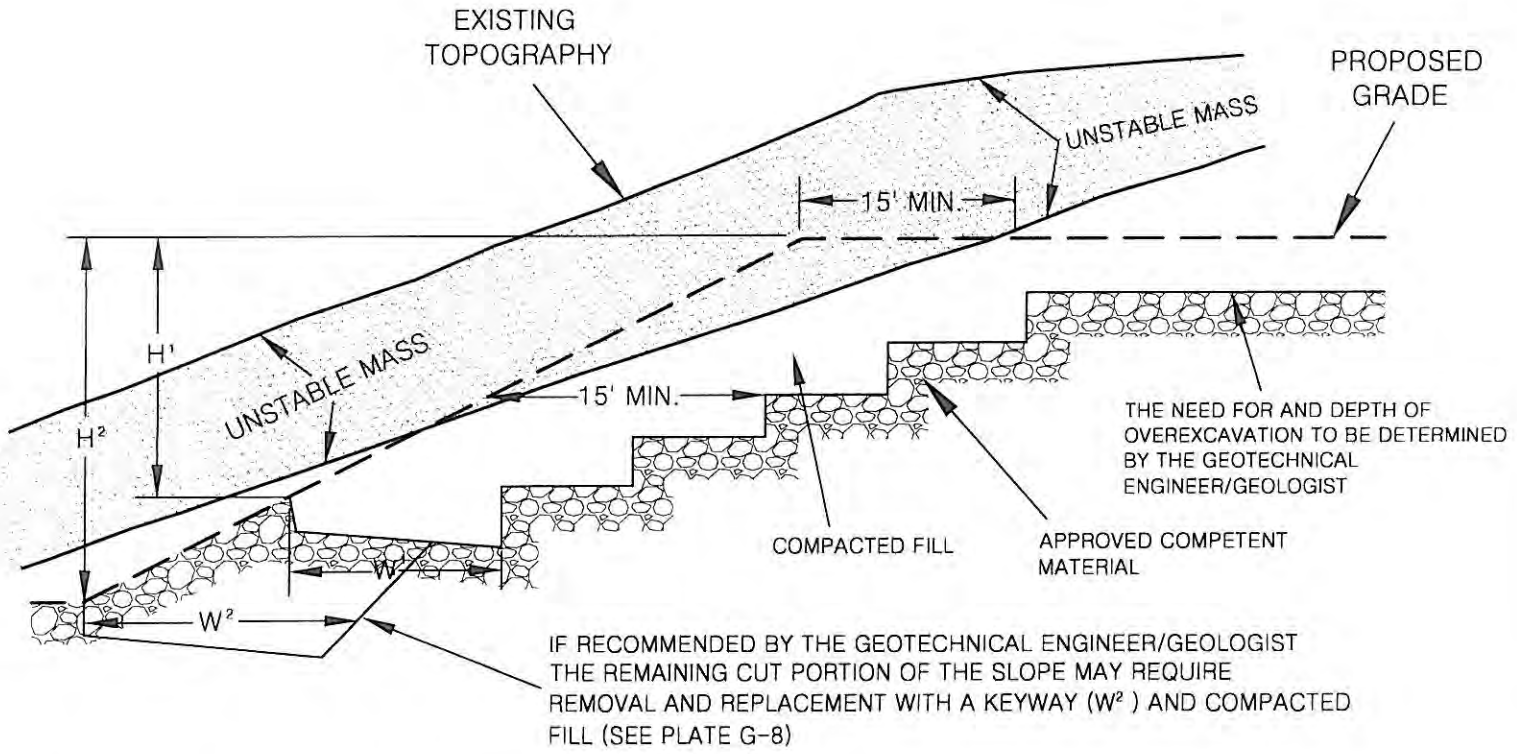
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

SKIN FILL SLOPE OVER NATURAL GROUND

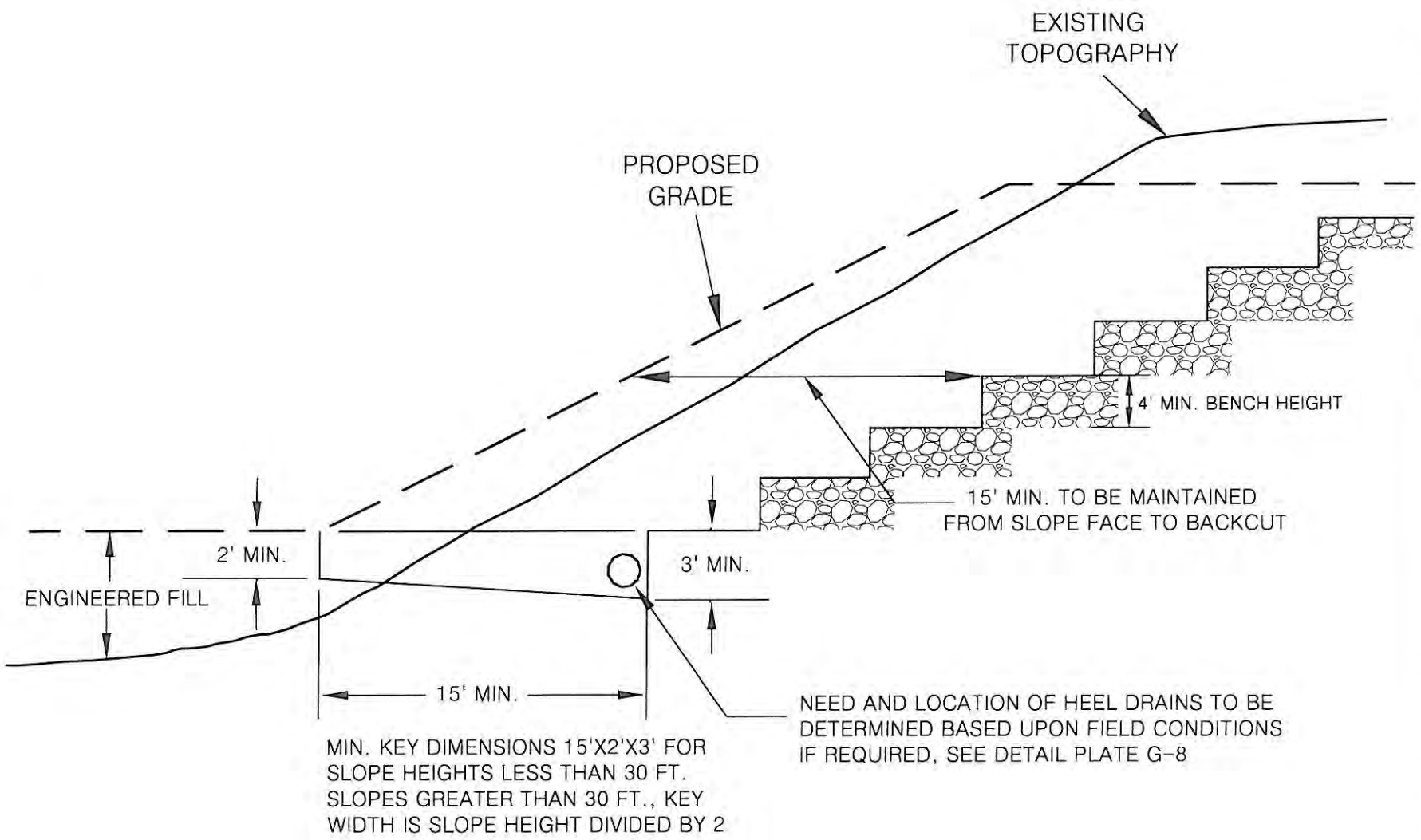


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PLATE G-11

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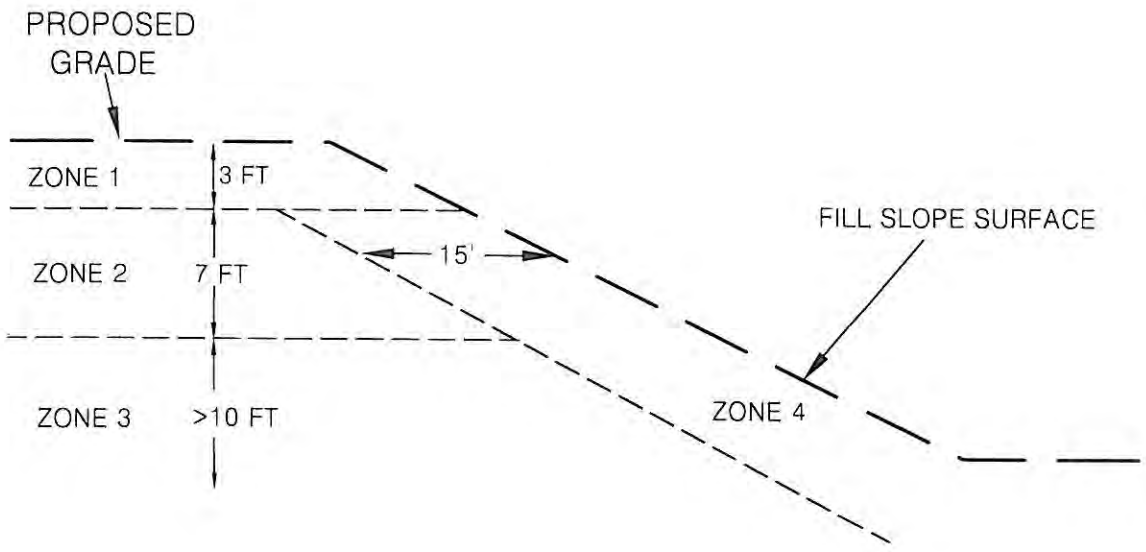
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤0.5 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

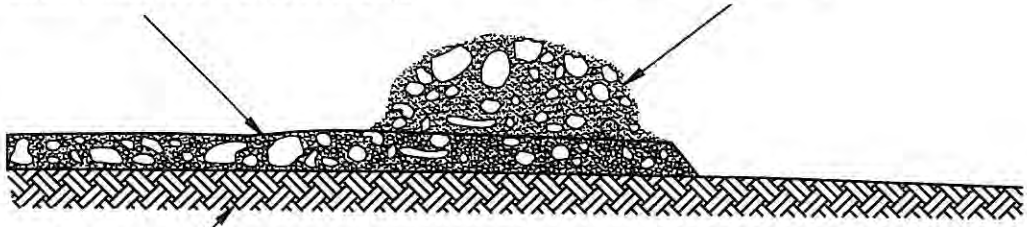
ROCK BLANKET DETAILS

LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)

APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER), HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

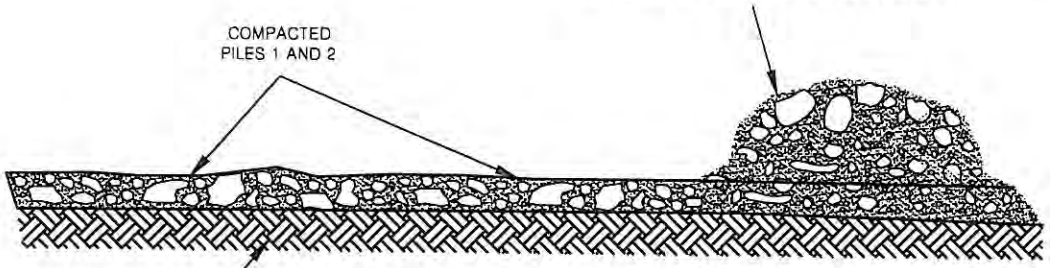
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

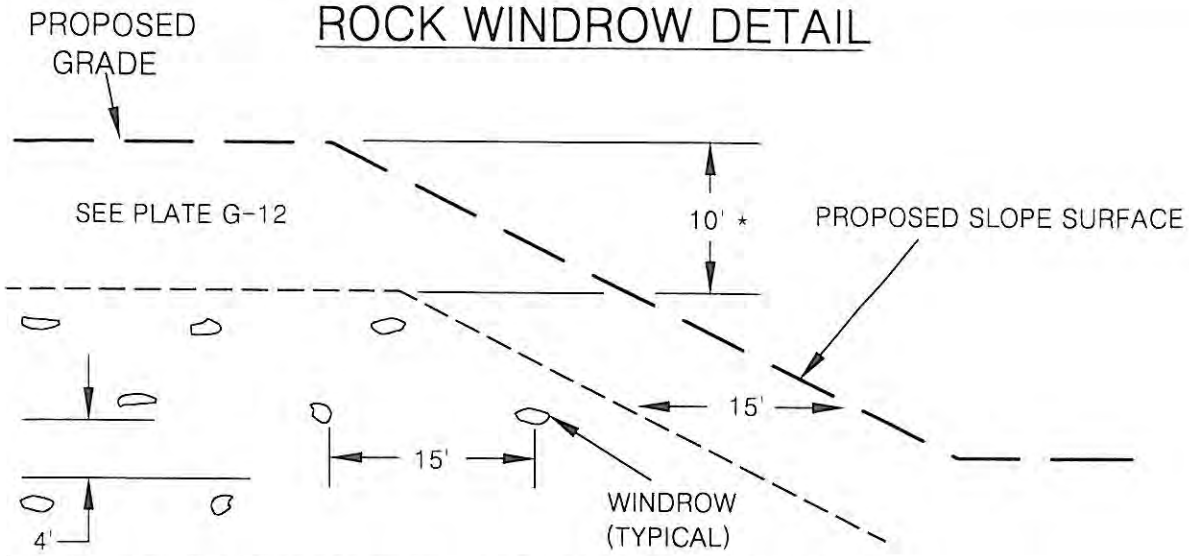


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

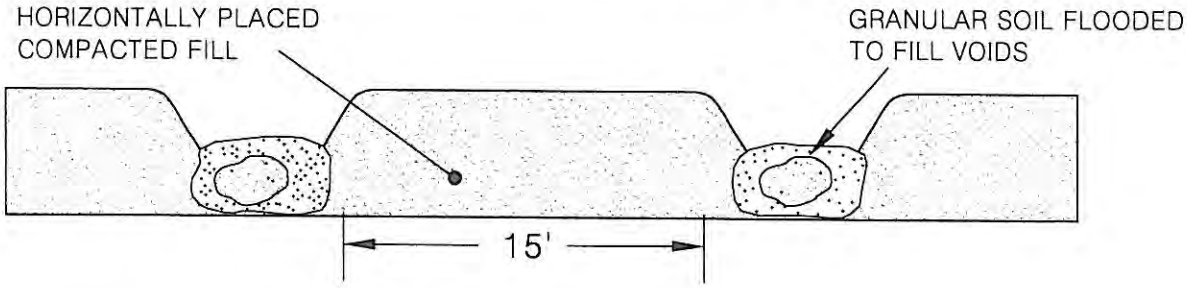
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



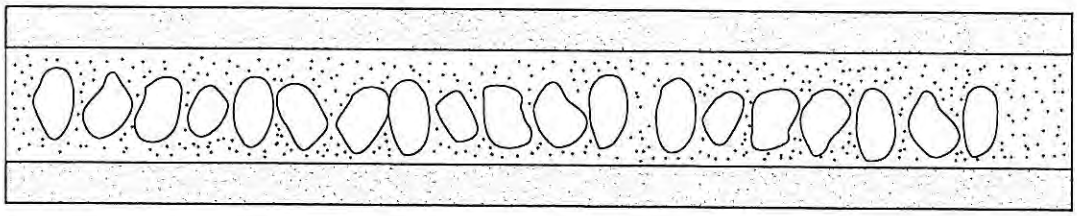
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

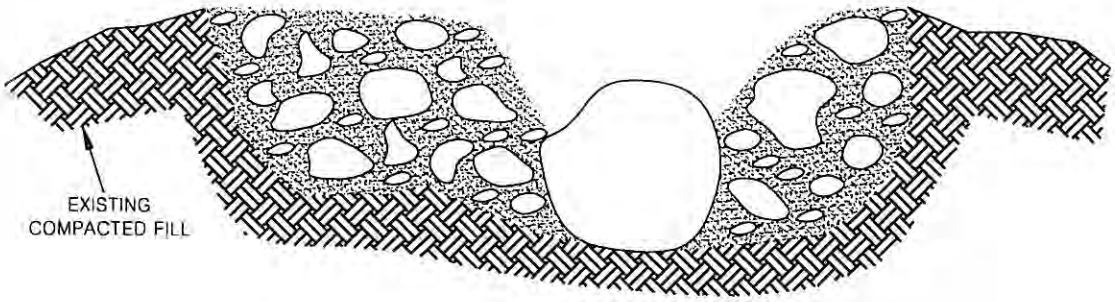


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

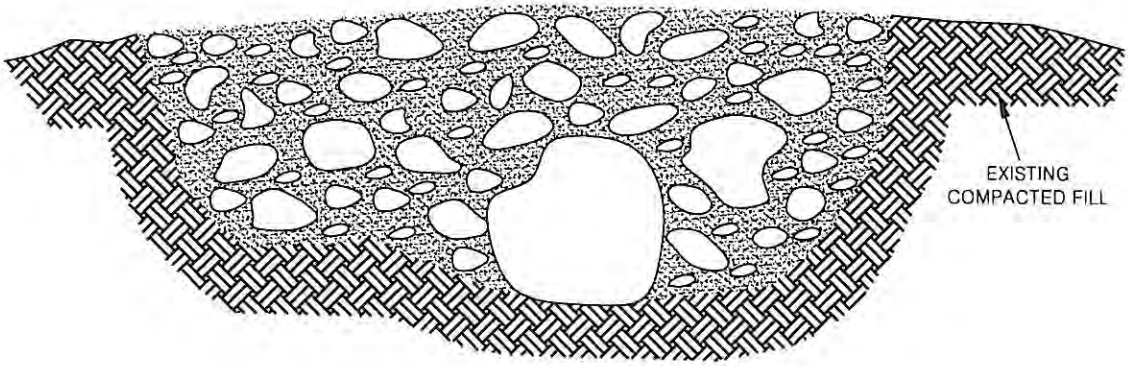
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

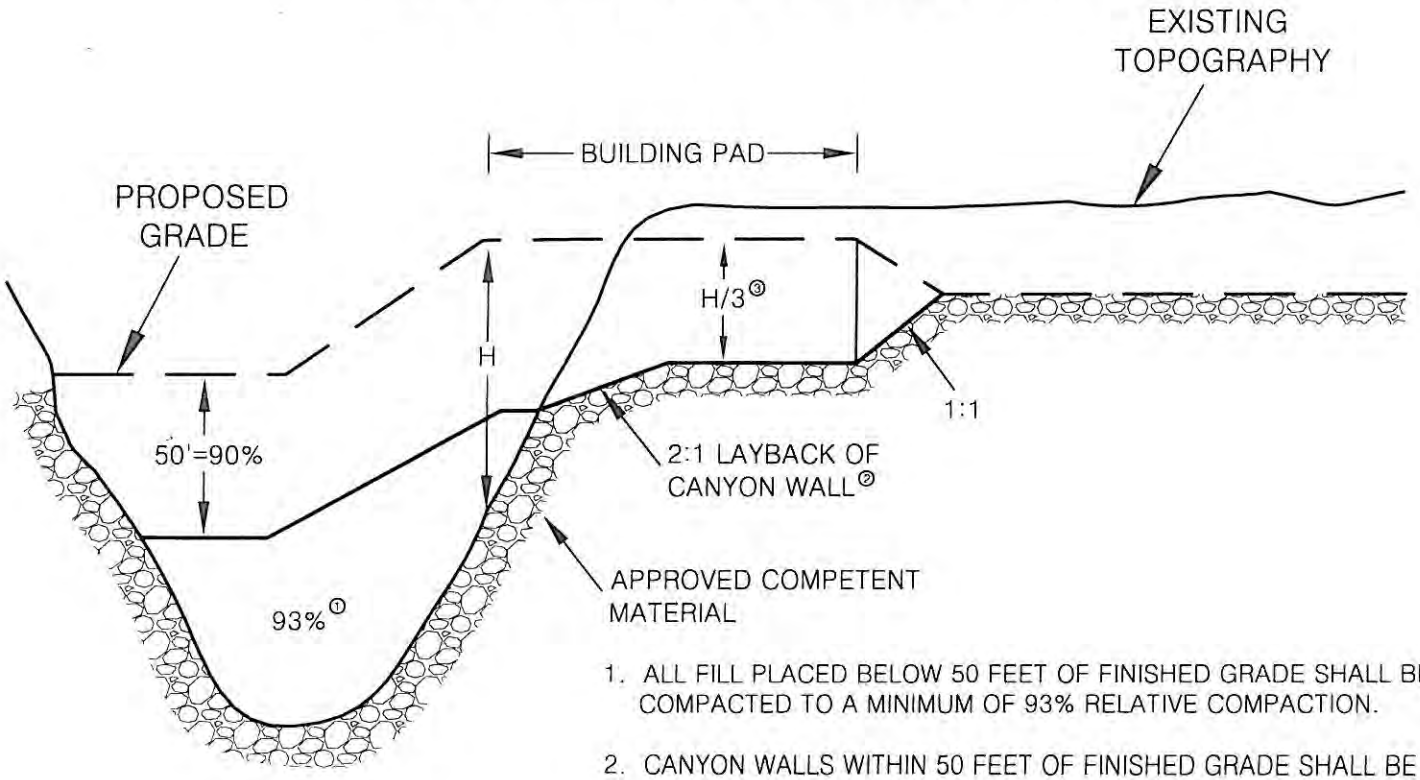


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 3/12

PLATE G-16

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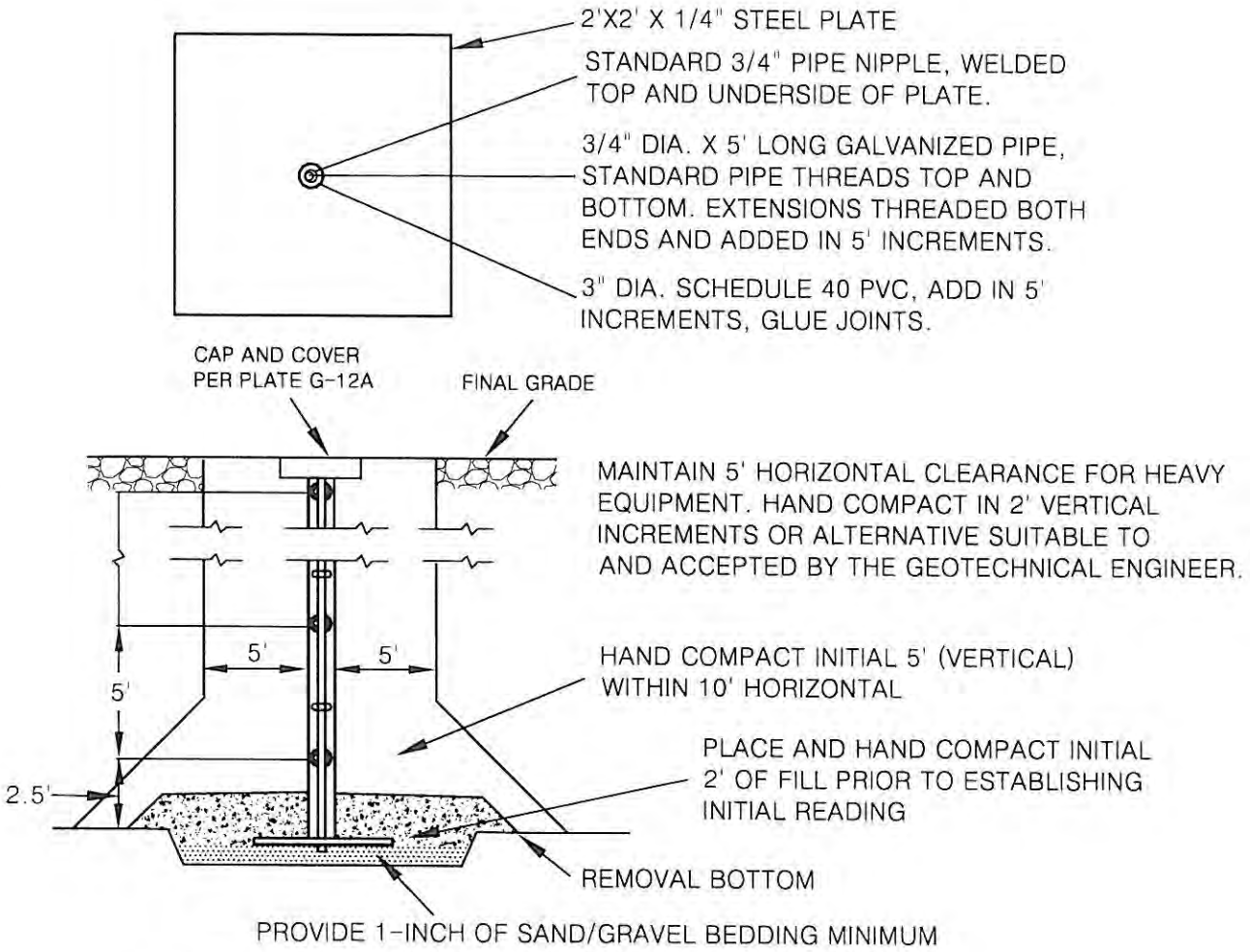
SETTLEMENT PLATE DETAIL



NOTES:

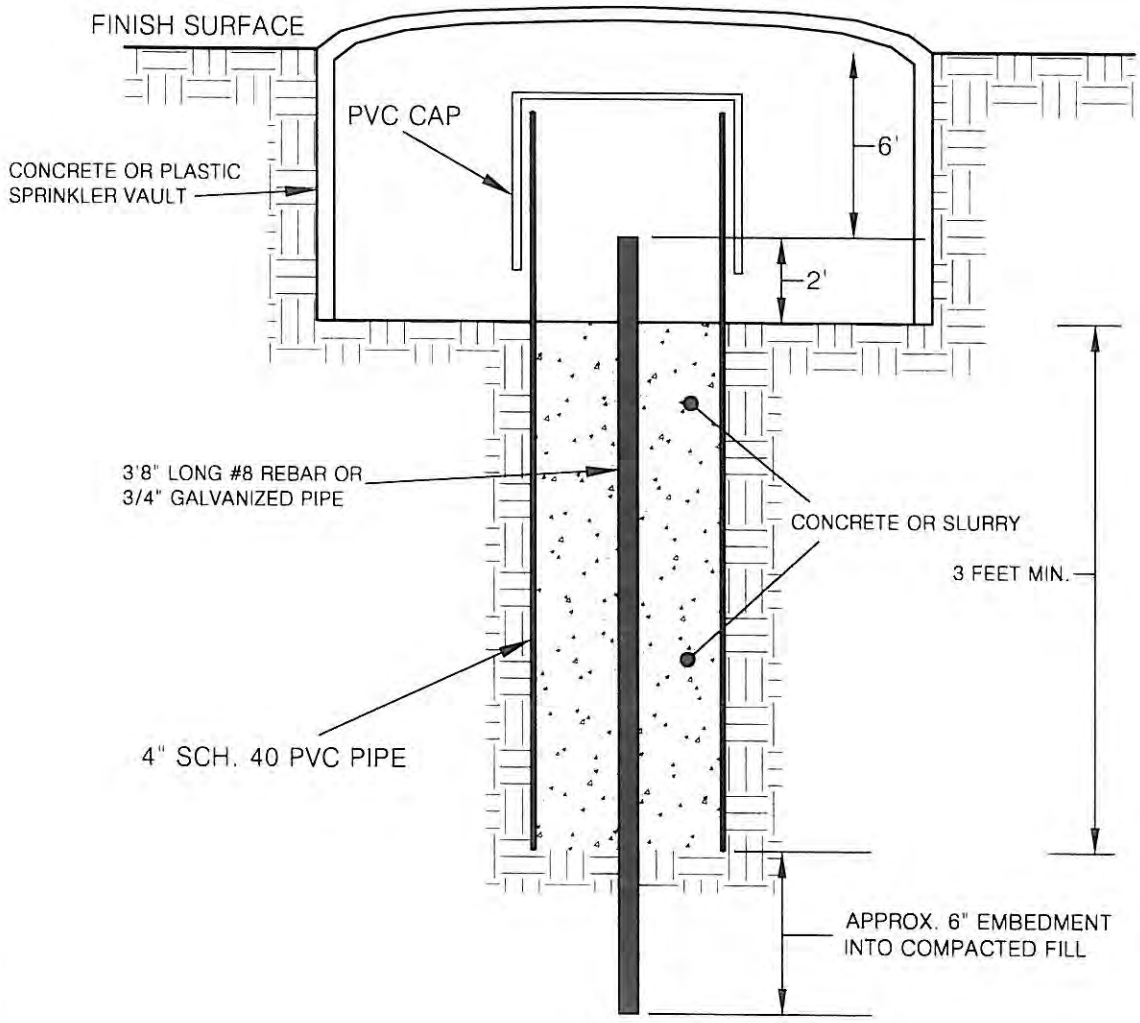
1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

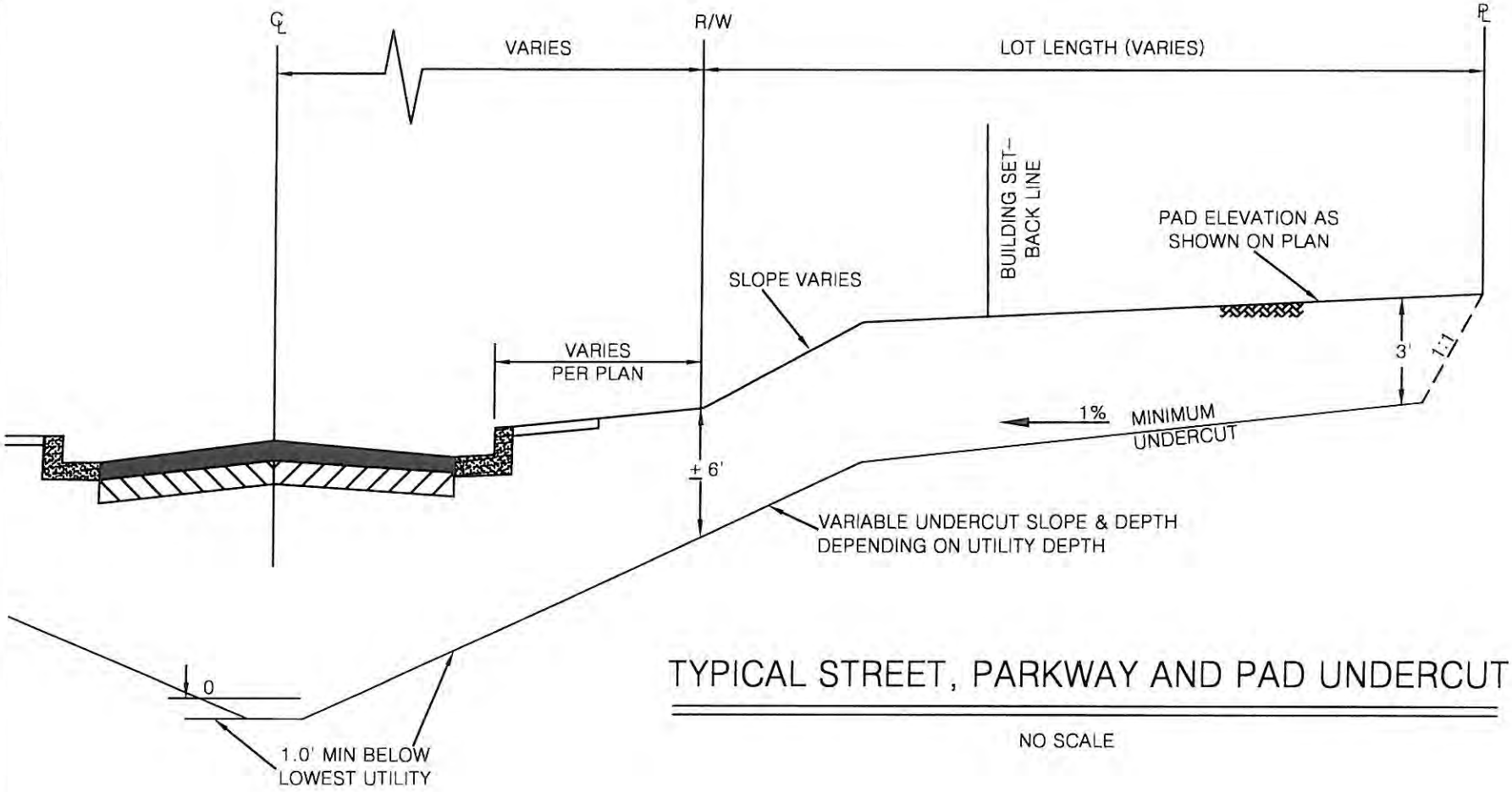
2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL





TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

ALTA CALIFORNIA GEOTECHNICAL, INC .
VER. 3/13

PLATE G-19

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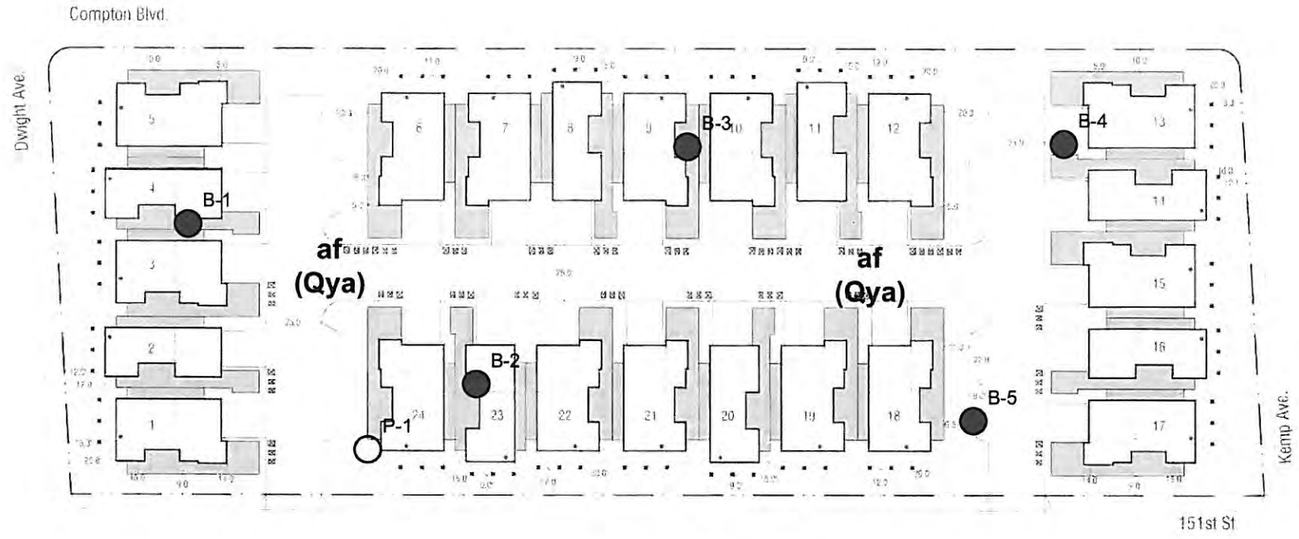

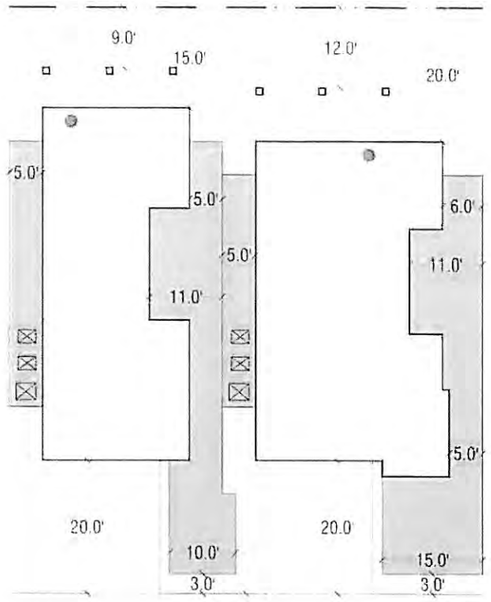

25.0'

Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan:	Medium Density Residential
Proposed General Plan:	Medium Density Residential
Existing Zoning:	CL - Limited Commercial & P - Parking
Proposed Zoning:	R-M-D - Medium Density Residential - Planned Development
Max. Density:	17.14 Homes per Acre (2,500 sf/home)
Proposed Setbacks:	Compton Blvd: 15' to building 9' to covered porch
	Dwight Ave: 15' to building 12' to covered porch
	Kemp Ave: 15' to building 12' to covered porch
	151st St: 14' to single story element (building 1 & 17) 15' to front of building 9' to covered porch
Building Separation:	10'
Max. Building Height:	35'

LEGEND

af	ARTIFICIAL FILL
Qya	YOUNG QUATERNARY ALLUVIUM (BRACKETED WHERE BURIED)
B-3	APPROXIMATE LOCATION OF HOLLOW STEM AUGER BORING
P-1	APPROXIMATE LOCATION OF INFILTRATION TEST

Notes:

PLATE 1

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0285 DATE: May 6, 2019

CONCEPTUAL SITE PLAN

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

0 15 30 60

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SEWER AREA STUDY

TTM No. 82807
CIP #10-18/JN120S
SMD Index 1757, 1812

Prepared for:
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3121 Michelson Drive, Suite 150
Irvine, CA 92612
Contact: Kim Prijatel
(949) 258-7555

Property:
TTM No. 82807
APN 6161-001-902
930 West Compton Boulevard
City of Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
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(949) 916-3800
Contact: David Terry, Project Manager

Ryan J. Bittner R.C.E. 68167

October 2019
Revised: April 2021

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B. SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

C. SEWER AS-BUILTS, SEWER MAINTENANCE DIVISION INDEX MAPS, SEWER ATLAS MAP

D. TENTATIVE TRACT MAP (PROJECT SITE)

E. COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, SEWER AREA STUDY DESIGN GUIDELINES

F. LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

G. CITY OF COMPTON ZONING MAP

INTRODUCTION

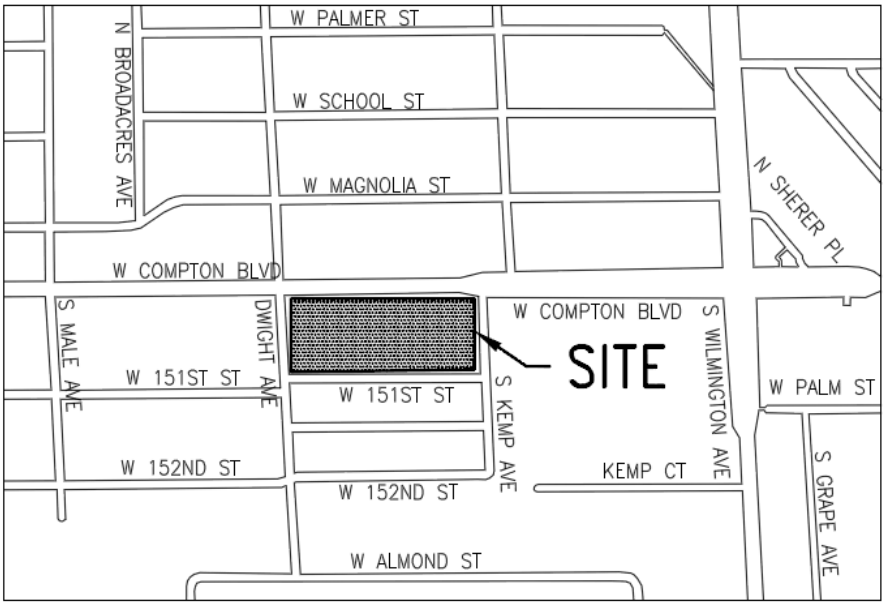
The following Area Study has been prepared by C&V Consulting, Inc. to determine and show:

- ***A.*** The capacity of the existing sewer segments from proposed development site to the Los Angeles County Sanitation District (LACSD) maintained trunk sewers.
- ***B.*** The existing sewer facility will adequately service the proposed development.

This analysis will include any and all tributary flow to the sewer system from the proposed development to the LACSD trunk line downstream of the proposed development. All tributary area within this area study has been developed.

SITE DESCRIPTION

The project is located at 930 West Compton Boulevard, in the City of Compton, California. The site is bounded by West Compton Boulevard to the north, West 151st Street and existing single-family residential to the south, South Kemp Avenue and existing single-family residential to the east, and Dwight Avenue and a liquor store to the west. The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 100% for the existing condition of the site.



VICINITY MAP
N.T.S.

PROJECT DESCRIPTION

The project proposes the construction of eight condominium buildings of sixty (60) attached units with private garages, private drive aisles, hardscape, associated landscaping, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along West 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open space areas. The proposed project is located within the jurisdictional boundaries of Los Angeles County Sanitation District No. 1. The proposed sewer system will be gravity fed and flow will be towards a local sewer line located along West Compton Boulevard, which conveys and connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer.

AP Number	Size (ac)
6161-001-902	2.75

METHODOLOGY

This study will investigate the sewerage discharge route along West Compton Boulevard from the proposed development (TTM No. 82807) to the Districts' Joint Outfall G Unit 5 Trunk Sewer. The route is on a local sewer line, which is not maintained by the Sanitation Districts of Los Angeles County, connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer for conveyance, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013. The subject route of the sewer main will be analyzed by segments based on sewer pipe size, slope, and tributary area.

Reach #1A segment is along West Compton Boulevard to Kemp Avenue, from the connection of the project site Manhole 2 to Manhole 3 and consisting of an existing 12" VCP sewer main with a slope of 0.72%. This segment includes the project site (Area #1A) and the upstream tributary areas of Reach #1.

Reach #2A segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 3 to Manhole 4 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #2 and the upstream tributary areas of Reach #1A.

Reach #2B segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 4 to Manhole 5 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes tributary areas of Reach #2A.

Reach #3A segment is on the cross-section of West Compton Boulevard and North Wilmington Avenue, Manhole 5 to Manhole 6 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #3 and the upstream tributary areas of Reach #2B.

Reach #4A segment is along West Compton Boulevard from Manhole 6 to Manhole 7 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment has a lateral connection to a sewer system to the North which also connects to CSD Manhole (G61). This lateral connection is plugged and abandoned as shown on Reference Sheet C-7. This indicates that the flow in the north sewer line conveys into the project sewer line in this study; therefore, the segment includes the upstream Area #4 and the upstream tributary areas of Reach #3A.

Reach #4B segment is along West Compton Boulevard from Manhole 7 to Manhole 8 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment includes the upstream tributary areas of Reach #4A.

Reach #5 segment is along West Compton Boulevard to Coral Street and connects to the 31.3" Sewer Trunk Line belonging to Sanitation District No. 1 from Manhole 8 to CSD Manhole (G61) consisting of a 15" VCP sewer main with a slope of 0.33%. This Reach#5 segment includes Area #5 and the tributary area of Reach 4B.

SEWER PIPE CAPACITY ANALYSIS

The existing sewer pipes were analyzed per County Standard S-C4 for a maximum design depth at half full for pipes less than 15" and three fourths full for pipes 15" and greater. Data were obtained from corresponding Sewer As-Built plans and Compton sewer atlas map in Appendix C for the analysis.

In order to calculate the pipe capacity, Kutter's formula was utilized assuming a depth of three-fourths full and a Manning's friction factor, n, of 0.013. Kutter's formula is shown below:

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685+\frac{0.00281}{S}+\frac{1.811}{n}}{1+\frac{\left(41.65+\frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Detailed results for each segment have been tabulated in Appendix B. Details of calculations for each reach of pipe has been included in Appendix B following the table.

The tributary sewer flow rate (Q) for the studied sewer lines are analyzed based on County standards as follows:

For Tributary Areas:
Q = Z*A
A = Tributary Area (Acre)
Z = Zoning Coefficients (Refer to the LACDPW guideline information within Appendix E)

For the Project Site
Q = (0.001 cfs/unit) x (60 units) = 0.060 cfs
(0.001 cfs/unit for proposed condominiums per County standard zoning coefficient within Appendix E)

The tributary areas were calculated by reference scaling the County of Los Angeles Sewer Maintenance Division's Atlas Index Maps and referencing County of Los Angeles Assessor's map. The zoning coefficients were referencing the LACDPW guidelines and the Zoning Map provided by the City of Compton in Appendix G. City of Compton's classification of Low-Density Residential matches the density description

of Los Angeles County Zone R-2, so the zoning coefficient of R-2 is used for Compton's zoning area of Low-Density Residential. Medium-Density Residential applies County R-3 coefficient value and High-Density Residential applies County R-4 coefficient value. These values match the capacity/density represent a more conservative scenario.

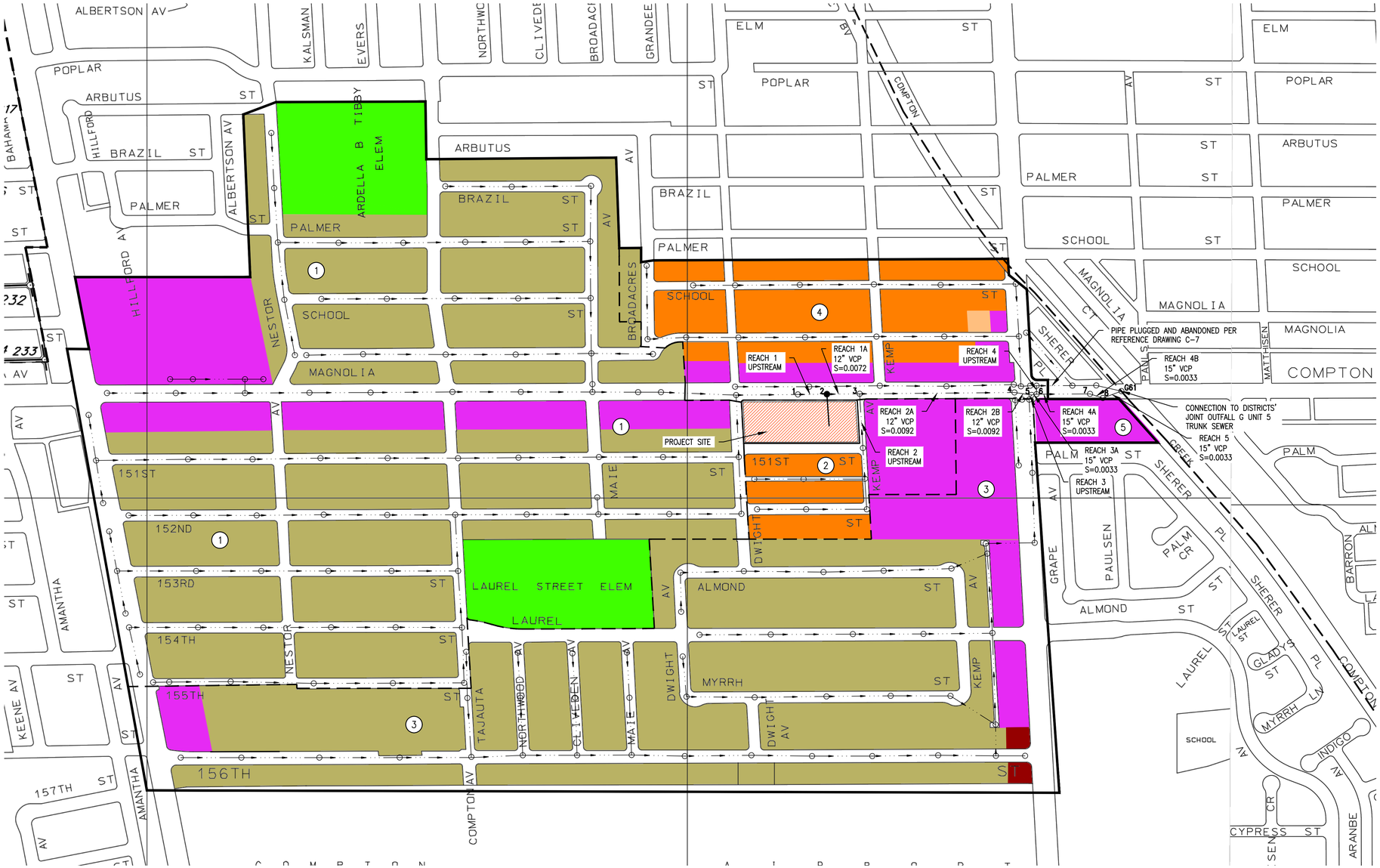
Per County requirements, we separately calculated the sewer discharge for schools based on the "Estimated Average Daily Sewage Flows for Various Occupancies" with a peaking factor of 2.5. Churches were taken into consideration of separate calculation, but the discharge calculated was insignificant compared to the zoning coefficient; therefore, the calculation for churches was analyzed by tributary area and corresponding zone. Unit counts were used to determine the flows on condominium sites where its unit density is greater than the tributary area and corresponding zone. The County Sewer Area Study guidelines indicate a zoning coefficient for R-1 Residential as 0.004 cfs/acre which allow up to 4 dwelling units per acre and matches the actual worse case density; For condominium, County recommends applying coefficient of 0.001 cfs/unit.

CONCLUSION

The existing sewer system being analyzed in this area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B for calculations and tabulated results. Therefore, we conclude that the existing sewer system has adequate capacity for the proposed development.

Appendix A

SEWER AREA STUDY EXHIBIT



LEGEND:

- SEWER AREA STUDY LIMITS
- COUNTY OF LOS ANGELES/ CITY OF COMPTON LIMITS
- TRIBUTARY AREA BOUNDARY TO SEWER SYSTEM
- SEWER SYSTEM FLOW PATH
- TRIBUTARY AREA (REFER TO CALCULATION TABLE)
- PROJECT SITE (MULTI-FAMILY CONDOMINIUMS)
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- PARKING/MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MUNICIPAL PARK
- SCHOOL
- LIMITED COMMERCIAL
- POC (POINT OF CONNECTION)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
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SEWER AREA STUDY EXHIBIT
TENTATIVE TRACT NO. 82807

930 W. COMPTON BLVD.
COMPTON, CA.

Sheet 1 of 1

PROJ: CVCN-125
DWG: P:\CVCN-125\Dwg\Sheets\DH\DH-SEWER-STUDY-01.dwg BY: hsm Apr 16, 2021 - 4:36:55pm

Appendix B

SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

Sewer Area Study Table

TR 82807
930 West Compton Boulevard, Compton

Street Name	Segment		Pipe		*Capacity (cfs)		Tributary Area #	Tributary Area (Acres)	Zone	Zoning Coefficient	Calculated Flow (cfs)	**Cumulative Calculated Flow (cfs)	****Cumulative Depth (in)	PC Construction Plan #	Comments	*** Percentage Full	
	MH #	MH #	Size (in.)	Slope (%)	1/2 Full (<15")	3/4 Full (>15")										Flow Depth	Cumulative Flow/ Capacity
Reach #1 Upstream Tributary Area W. Compton Blvd.	1	2	12	0.72	1.444		1	70.52	Low Density Residential	0.0080	0.56416						
							1	17.58	Limited Commercial	0.0150	0.2637						
							1	Laurel Street Elementary School (7.92 AC)	(647 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0250		0.02503						
							1	Tibby Elementary (8.12 AC)	(554 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0214		0.02143	**0.8743**	4.58	CIP #10-18 /JN120S	Compton	76%	61%
Reach #1A W. Compton Blvd.	2	3	12	0.72	1.444		1A	**2.75**	**Proposed Condominium Coefficient 0.001 cfs/DU**		**0.06000**	**0.9343**	4.74	CIP #10-18 /JN120S	***Project Site*** Compton 60 Units	79%	65%
Reach #2A W. Compton Blvd.	3	4	12	0.92	1.633		2	4.05	Medium Density Residential	0.0120	0.04860						
								Condominium Tract No. 51441 (1.05 AC)	(37 Units)(0.001cfs/DU)=0.037		0.03700	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #2B W. Compton Blvd.	4	5	12	0.92	1.633		2	-	-		-	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #3A W. Compton Blvd.	5	6	15	0.33		3.333	3	Condominium Tract No. 37774 (1.34 AC)	(32 Units)(0.001cfs/DU)=0.032		0.03200						
							3	Condominium Tract No. 34166 (2.49 AC)	(53 Units)(0.001cfs/DU)=0.053		0.05300						
								52.64	Low Density Residential	0.0080	0.42112						
								0.49	High Density Residential	0.0160	0.00784						
								4.00	Limited Commercial	0.0150	0.06000	**1.5939**	5.92	CIP #10-18 /JN120S	Compton	53%	48%
Reach #4A W. Compton Blvd.	6	7	15	0.33		3.333	4	0.79	Low Density Residential	0.0080	0.00630						
								13.07	Medium Density Residential	0.0120	0.15686						
								0.23	Parking/Medium Residential	0.0120	0.00274						
								3.54	Limited Commercial	0.0150	0.05315	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%

Reach #4B W. Compton Blvd.	7	8	15	0.33		3.333	4	-	-		-	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%
Reach #5 W. Compton Blvd.	8	G Unit 5	15	0.33		3.333	5	2.24	Limited Commercial	0.0150	0.03360	**1.8465**	7.61	CIP #10-18 /JN120S	LACSD Connection	68%	55%

* Calculated using the Kutter's Equation with n=0.013 and assuming 1/2 full (<15") and 3/4 full (>15")

** Based on current land use and coefficients per LA County, (Attach supporting calculations)

***Flow depth should be divided by 0.75 times the pipe diameter for pipes > 15" and 0.5 times the pipe diameter for pipes < 15"

****Calculations for pipe flow, and flow depth shown on following sheets

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1 Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.38	ft
Depth of Flow	4.58	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.621	radians
Flow Area, A	0.275	sf
Wetted Perimeter	1.331	ft
Hydraulic Radius, R	0.207	ft
Cumulative Flow, Q	0.874	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.74	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.566	radians
Flow Area, A	0.288	sf
Wetted Perimeter	1.359	ft
Hydraulic Radius, R	0.212	ft
Cumulative Flow, Q	0.934	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2B Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 3A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 3A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.49	ft
Depth of Flow	5.92	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.169	radians
Flow Area, A	0.386	sf
Wetted Perimeter	1.557	ft
Hydraulic Radius, R	0.248	ft
Cumulative Flow, Q	1.594	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4A Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4B Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 5 Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% fu	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 5 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.61	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.113	radians
Flow Area, A	0.625	sf
Wetted Perimeter	1.981	ft
Hydraulic Radius, R	0.315	ft
Cumulative Flow, Q	1.847	cfs

Laurel Street Elementary School

Claimed

1321 West Laurel Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
7/10	26 ★★★★★	PK-8	647	Public

This school is rated above average in school quality compared to other schools in California. Students here perform above average on state tests, are making about average year-over-year academic improvement, and this school has above average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 7/10
- Academic progress 6/10
- Advanced courses

EQUITY

- Equity overview 8/10
- Race/ethnicity
- Low-income students 7/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

7/10 Test scores

Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Tibby Elementary School

Unclaimed

1400 West Poplar Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
6/10	23 ★★★☆☆	K-8	554	Public

This school is rated about average in school quality compared to other schools in California. Students here perform about average on state tests, are making about average year-over-year academic improvement, and this school has about average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 6/10
- Academic progress 5/10
- Advanced courses

EQUITY

- Equity overview 5/10
- Race/ethnicity
- Low-income students 5/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

6/10 Test scores

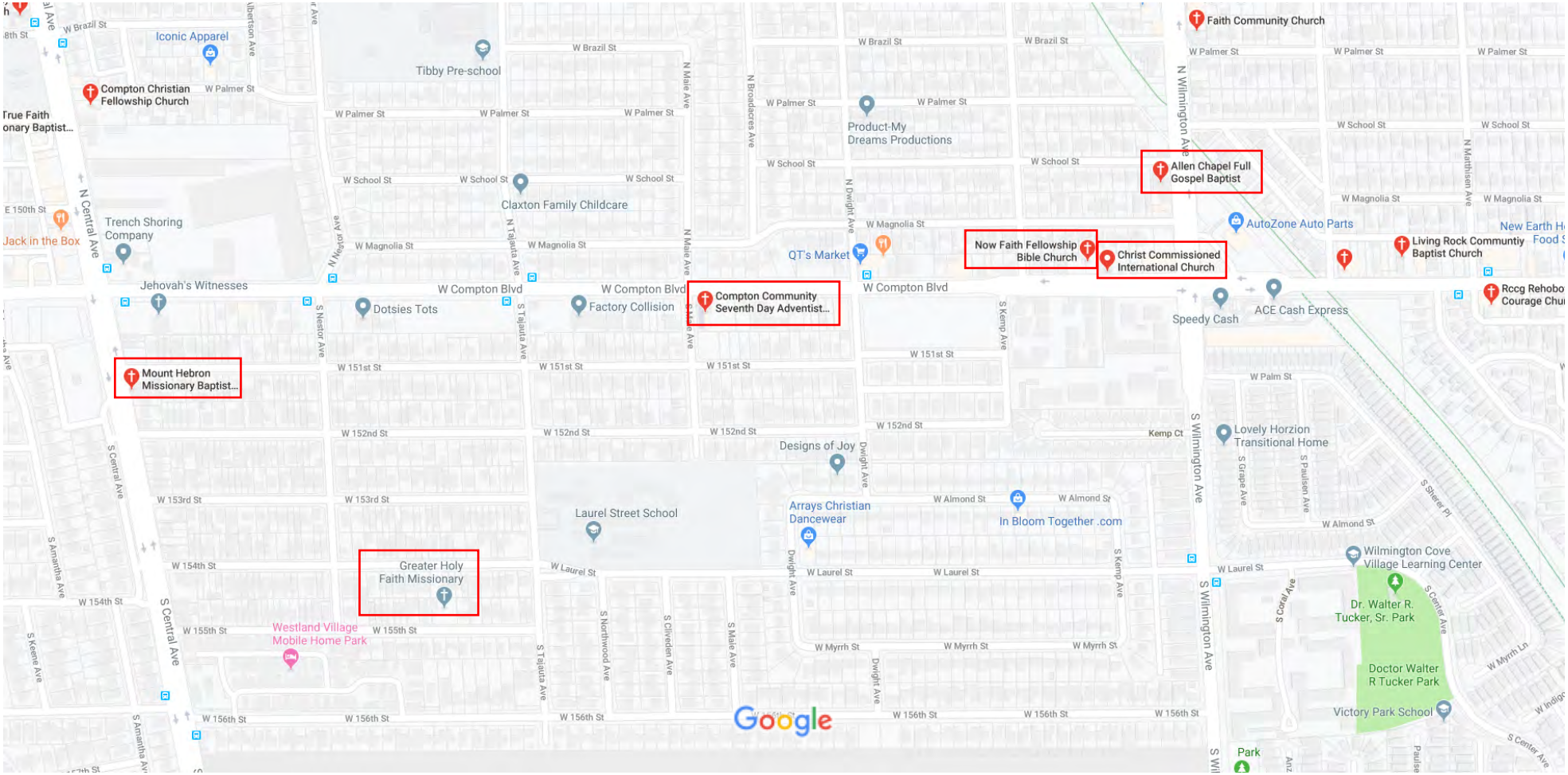
Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Google Maps

church

(Not a significant source for sewerage)



Map data ©2019 200 ft

Appendix C

SEWER AS-BUILTS & SEWER MAINTENANCE DIVISION INDEX MAPS

UTILITY OWNERS & CITY CONTACTS

UTILITY	CONTACT	TELEPHONE
COMPTON PUBLIC WORKS DEPARTMENT	GLEN KAU	(310) 605-5505
COMPTON WATER DEPARTMENT	MICHAEL HARVEY	(310) 605-5524
COMPTON WATER DEPARTMENT		(310) 505-7175
COMPTON TRAFFIC SIGNAL MAINTENANCE	JOE WEDGEWORTH	(951) 847-0070
COMPTON GENERAL MAINTENANCE	ROBERT MONTGOMERY	(310) 605-3501
COMPTON FIRE DEPARTMENT		(310) 605-5670
COMPTON SHERIFF DEPARTMENT		(310) 605-6500
AT&T CALIFORNIA (SBC- PACBELL)	TROY STANARD	(310) 515-2418
ATT TRANSMISSION	CURTIS SHAPAZIAN	(559) 442-2252
PARK WATER CO INC	MIKE ADAMS	(562) 923-0711 X1248
GOLDEN STATE WATER	MIKE THOMPSON	(310) 767-8210
SOUTHERN CALIFORNIA EDISON	CORNELIUS BROWNING	(310) 608-5070
SOUTHERN CALIFORNIA GAS COMPANY	DALE GRABOYES	(310) 687-2013
ATT TRANSMISSION TCG	ALLEN COLE	(213) 787-0204
.L OIL PIPELINE CO	RICH WALCK	(310) 816-2067
AS PLAYA DEL REY - TRANSMISSION	MIKE BATISTA	(818) 701-4543
AS PLAYA DEL REY - TRANSMISSION	OBSERVATION REPRESENTATIVE	(562) 665-5486
OUNTY SANITATION DISTRICT (CSD)	KYLE YEAMAN	(310) 638-1161
ANGELES CO DEPT OF PUBLIC WORKS	DARYLL CHENOWETH	(626) 458-3109
ANGELES CO DEPT OF PUBLIC WORKS		(626) 458-5100
ROPOLITAN TRANSPORTATION AUTHORITY	ASPET DAVIDIAN	(213) 922-5258
LEX TRAFFIC SYSTEMS	CARLOS TLILAYATZI	(310) 642-0470
WARNER CABLE	ESPIE MINERO	(310) 345-4174
DISON-TELECOMMUNICATIONS	TOMMY SAVAGE	(626) 308-6186
G NETWORKS INC	CHRIS CABICO	(909) 593-9700
VERIZON BUSINESS)	CHUCK TRIMBLE	(909) 421-3339
OMMUNICATIONS	LEE ARNOLD	(949)417-7762
TON RENAISSANCE TRANSIT		(562) 633-3798

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE 1-7-16

SHEET INDEX

DRAWING	SHEET	DESCRIPTION
G-1	1	TITLE SHEET
G-2	2	GENERAL NOTES
G-3	3	GENERAL NOTES, LEGEND AND SYMBOLS
C-1	4	POPLAR ST / DWIGHT AVE STA 10+00 TO 16+00
C-2	5	DWIGHT AVE STA 16+00 TO 22+00
C-3	6	DWIGHT AVE / SPRUCE ST TO PACIFIC AVE STA 22+00 TO 26+81.84
C-4	7	MAIE AVE / COMPTON BLVD STA 10+00 TO 16+00
C-5	8	COMPTON BLVD STA 16+00 TO 22+00
C-6	9	COMPTON BLVD STA 22+00 TO 28+00
C-7	10	COMPTON BLVD STA 28+00 TO 34+00
C-8	11	COMPTON BLVD STA 34+00 TO 35+74.13
C-9	12	WILMINGTON AVE STA 10+00 TO 16+00
C-10	13	WILMINGTON AVE STA 16+00 TO 20+09.39
C-11	14	SO. DWIGHT AVE STA 10+00 TO 12+85.80
DS-1	15	DETAILS
DS-2	16	DETAILS
DS-3	17	DETAILS

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES NOT KNOWN OR IN A LOCATION DIFFERENT FROM THAT WHICH IS SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UNDERGROUND SERVICE ALERT AT 1 (800) 227-2600.

TEMPORARY BENCHMARKS	COORDINATES	ELEV
SET TEMP. B.M. 35.00' S/O INT OF MAIE AVE. & COMPTON BLVD.	N 2493.76; E 3156.80	85.99'
SET TEMP B.M. 14.00' SEL'Y OF INT OF 151ST ST. & DWIGHT AVE.	N 2224.70; E 3848.10	84.76'
SET TEMP. B.M. ON COMPTON BLVD.	N 2509.97; E 4393.64	79.76"
SET TEMP B.M. 287.00'W X 34.00'S OF INT OF COMPTON BLVD. & WILMINGTON AVE.	N 2507.63; E 4855.40	77.44'
SET TEMP. B.M. 401.00'E X 32.00'N OF INT. OF COMPTON BLVD. & WILMINGTON AVE.	N 2579.89; E 5543.45	75.66'
SET TEMP. B.M. 54.00' NWL'Y OF INT. OF WILMINGTON AVE & SCHOOL ST.	N 3202.67; E 5062.24	76.22'
FD SSDM TEMP. B.M. ON INT OF WILMINGTON AVE. & ARBUTUS ST.	N 3755.71; E 5072.38	74.45'
FD SSDM 44.00' NWL'Y OF INT OF ELM ST. & WILMINGTON AVE.	N 4296.25; E 5000.93	75.53'

BASIS OF BEARINGS:

THE BEARING SOUTH 03°19'45" EAST, ON THE CENTERLINE OF WILMINGTON AVENUE (COMPTON AVENUE PER TRACT) AS SHOWN ON TRACT NO. 5627, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, AS PER MAP RECORDED IN BOOK 60, PAGES 17-19 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

BENCHMARK:

QUAD YEAR: BASELINE 2005
ELEVATION: 78.209 FT.
CS MON IN WELL 11.6M (38') N/O C/L ROSECRANS AVE & 50M(164') E/O C/L DWIGHT ST 11.6M(38') W/O NW COR BRIDGE OVER COMPTON CREEK MKD (CS MON BM 21-2 1952 RE 63)

BM NUMBER:1073A

CITY OF COMPTON

PUBLIC WORKS DEPARTMENT

SEWER BOND IMPROVEMENT PROJECT
JOB NO. JN120S
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT PROJECT, CIP # 10-18

ON WILMINGTON AVE FROM ELM AVE TO COMPTON CREEK
ON POPLAR AVE FROM GRANDEE AVE TO DWIGHT AVE
ON DWIGHT AVE FROM POPLAR AVE TO SPRUCE ST
ON SPRUCE ST FROM DWIGHT AVE TO LACSD AT COMPTON CREEK
ON COMPTON BLVD FROM MAIE AVE TO LACSD AT COMPTON CREEK
ON DWIGHT AVE FROM 151st ST TO COMPTON BLVD

COUNTY SANITATION DISTRICT (CSD) NOTES:

1. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION.

2. BEFORE BREAKING INTO A CSD SEWER OR MANHOLE, AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, A CSD INSPECTOR SHALL BE NOTIFIED BY TELEPHONE AT (310) 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

3. CONSTRUCTION OR ABANDONMENT OF CSD SEWERS OR MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND CSD'S LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DRAWINGS FOR CONSTRUCTION. A COPY OF THE AMENDMENTS AND STANDARD DRAWINGS MAY BE OBTAINED AT THE PUBLIC COUNTER (ROOM 110) LOCATED AT CSD'S JOINT ADMINISTRATION OFFICE, 1955 WORKMAN MILL ROAD, WHITTIER, CA 90601.

LACFCD / LACPDW NOTES:

CROSSINGS AT LOS ANGELES COUNTY STORM DRAIN & SEWER FACILITIES

1. THE CONTRACTOR SHALL NOTIFY THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS THAT THE WORK INCLUDES A PIPELINE REPLACEMENT OR NEW PIPE LINE CROSSING ABOVE THE EXISTING STORM DRAIN OR COUNTY SEWER. PERMIT, IF REQUIRED, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE CROSSING. WORK SHALL PROCEED ONLY ON COMPLIANCE WITH ALL REQUIREMENTS OF THE COUNTY DPW. CONTACT INFORMATION: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FREMONT AVE., ALHAMBRA, CA 91803, TELEPHONE (626) 458 3129 (SEE LACDPW WEBSITE FOR ADDITIONAL INFORMATION).

2. IF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND SEWER MAINTENANCE MANHOLES REQUIRE ADJUSTMENT, CONTRACTOR IS REQUIRED TO FOLLOW THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), 2006 EDITION, SUBSECTION 302-5.8, PERTAINING TO ADJUSTMENTS OF MANHOLES AND OTHER STRUCTURES. IN ADDITION, A CONSTRUCTION PERMIT IS REQUIRED.

UTILITY AGENCY NOTES:

SHELL PIPELINE CO:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, CONTACT RICH WALCK (310) 816-2067 TO ARRANGE FOR FIELD MARKINGS OF SHELL'S FACILITIES. THIS NOTIFICATION IS IN ADDITION TO TO NOTIFICATION THROUGH UNDERGROUND SERVICE ALERT. CONTRACTOR SHALL NOT PAVE OVER ANY SHELL SURFACE EQUIPMENT.

THE GAS COMPANY:
INFORM GAS COMPANY (OFFICE OF DALE GRABOYES, (310) 687-2013) OF CONSTRUCTION SCHEDULING AND ON SITE MEETINGS. GAS MAINS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY SOUTHERN CALIFORNIA GAS COMPANY. THE MAIN LOCATIONS ARE APPROXIMATE ONLY AND DEPTHS OF THE MAINS VARY. ACTUAL LOCATION AND DEPTHS WILL NEED TO BE VERIFIED BY POT HOLING. ADDITIONALLY, THERE MAY BE SERVICE LATERALS FROM THE MAINS THAT ARE NOT IDENTIFIED.

AT&T CALIFORNIA (SBC-PACBELL):
CONTACT THE OFFICE OF TROY STANARD AT (310) 515-2418 AT LEAST 2 DAYS PRIOR START OF WORK. UNDERGROUND TELECOM DUCTS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY AT&T CALIFORNIA. THE LOCATIONS ARE APPROXIMATE ONLY AND SIZES AND DEPTHS VARY. ACTUAL LOCATIONS AND DEPTHS WILL NEED TO BE VERIFIED BY POTHOLING. ADDITIONALLY, THERE MAY BE SERVICE CROSSINGS THAT ARE NOT IDENTIFIED.

PARK WATER:
CONTACT THE OFFICE OF MIKE ADAMS AT (562) 923-0711 X 1248 AT LEAST 2 DAYS PRIOR START OF WORK IN THE VICINITY OF PARK WATER . COORDINATE WITH PARK WATER STAFF DURING CONSTRUCTION.

CITY OF COMPTON MUNICIPAL WATER DEPARTMENT:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ACTIVITIES NOTIFY COMPTON WATER DEPARTMENT (310) 605-5524.

GOLDEN STATE WATER:
CONTACT THE OFFICE OF MIKE THOMPSON AT (310) 767-8210 AT LEAST 48 HOURS PRIOR START OF WORK IN THE VICINITY OF GOLDEN STATE WATER . COORDINATE WITH GOLDEN STATE STAFF DURING CONSTRUCTION.

NOTE:

1. CITY OF COMPTON "SEWER SPILL PREVENTION PLAN" SHALL BE IMPLEMENTED DURING PROJECT WORK. CONTRACTOR SHALL SUBMIT BYPASS PLAN FOR SEWER SYSTEM DURING CONSTRUCTION IN COMPLIANCE THEREOF.

NOTICE TO CONTRACTOR:

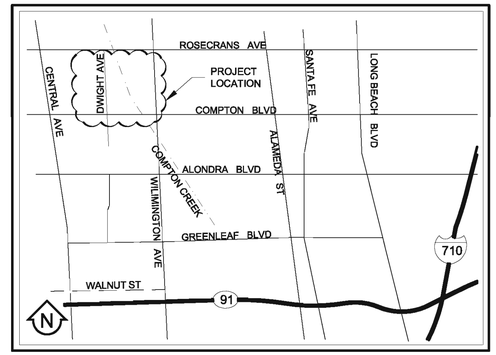
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING, AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY NECESSARY ADJUSTMENTS TO ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PREVENT DAMAGE TO ANY UTILITY FACILITIES SHOWN AND ANY OTHER FACILITIES NOT SHOWN ON THESE PLANS.

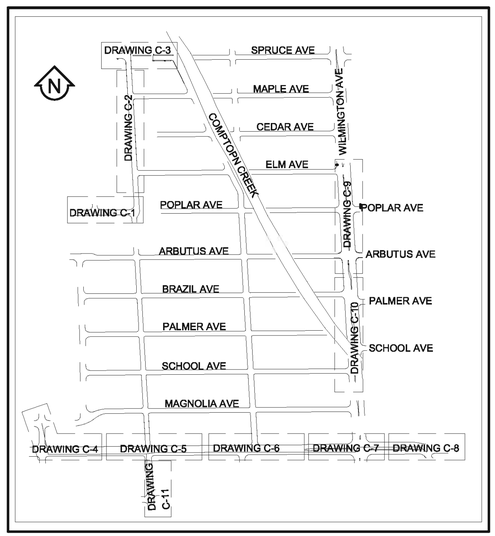
ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS AGREE THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THEY WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS INCLUDES PROVIDING FOR THE SAFETY OF ALL PERSONS AND PROPERTY AND SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTORS AND SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

CONTRACTOR NOTIFICATION:

BY SUBMITTAL OF A BID, THE CONTRACTOR REPRESENTS THAT THE SITES HAVE BEEN THOROUGHLY INVESTIGATED AND THAT ALL CONDITIONS HAVE BEEN ACCOUNTED FOR IN HIS BID. CONTRACTOR UNDERSTANDS THAT NO ADDED COSTS WILL BE ALLOWED FOR FAILURE TO ACCOMMODATE THE EXISTING CONDITIONS.



VICINITY MAP
N.T.S.



DRAWING LOCATION MAP
N.T.S.

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COUNTY SANITATION DISTRICT NO. 1
OF LOS ANGELES COUNTY, CALIFORNIA
STEPHEN R. MAGUIN - CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY: _____ OFFICE ENGINEER

DATE: _____

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER — GLEN W. C. KAU — No. 56657 Exp. 06-30-17 — CIVIL — STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON

APPROVED BY: _____

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE
1	REVISED CONTACT NAMES		

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

TITLE SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. G1
SHEET 01 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\G1-COVER SHEET.dwg 01/04/16 10:59am

GENERAL NOTES

1. ALL WORK SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") LATEST EDITION, CALTRANS STANDARD PLANS LATEST EDITION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION, MUTCD CALIFORNIA SUPPLEMENT LATEST EDITION, ANY OTHER REFERENCED STANDARDS, CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT.

2. ALL APPLICABLE ORDINANCES OF THE CITY OF COMPTON SHALL BE COMPLIED WITH.

3. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS, BUSINESSES AND AGENCIES 72-HOURS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS ON HAND AT ALL TIMES TO EXPEDITE ANY EMERGENCY REPAIR.

5. THE CONTRACTOR SHALL NOTIFY THE CITY DIRECTOR OF PUBLIC WORKS FORTY-EIGHT HOURS PRIOR TO STARTING WORK, TELEPHONE NUMBER (310) 605-5505.

6. WORK IN PUBLIC STREETS, ONCE BEGUN SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT OWNERS AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A
OF TITLE 16 OF THE COUNTY CODE, HIGHWAY PERMIT CODE.

RSECTING UTILITY INSTALLATIONS WILL BE RELOCATED BY THE CONTRACTOR AFTER REVIEW BY THE AFFECTED UTILITY
?RIOR APPROVAL BY THE CITY ENGINEER.

/ENT OF CONFLICT BETWEEN DETAILS, THE MORE STRINGENT SHALL TAKE PRECEDENCE. THE DECISION OF THE
SHALL BE FINAL.

TRACTOR SHALL COORDINATE ALL REQUIRED SITE INSPECTIONS FROM ALL ENTITIES HAVING JURISDICTION.
ATION IS TO BE MADE SUFFICIENTLY IN ADVANCE OF NEEDED SITE INSPECTION THAT THE PROGRESS OF THE WORK IS
ED NOR THE QUALITY AFFECTED. CONTRACTOR SHALL PAY ALL COSTS OF PERMIT AND SITE REVIEW BY ANY UTILITY OR

GLEN W.C KAU, P.E. LICENSE No. C-56657 1-7-16 DATE

\CTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AS REQUIRED BY THE SPECIFICATIONS. UNLESS NOTIFIED IN
HE PROPOSED CONSTRUCTION SEQUENCE SHALL BE FOLLOWED. WRITTEN REQUEST FOR APPROVAL IS REQUIRED TO
: SCHEDULE.

\NTRACTOR SHALL VERIFY THAT ALL SETS OF PLANS AND SPECIFICATIONS ARE CURRENT AND APPROVED FOR
:TION.

BUILT SET OF PLANS FOR UPDATING BY REDLINE SHALL BE ON SITE AT ALL TIMES AND BE AVAILABLE TO THE ENGINEER.
. BE USED ONLY AS BUILT UPDATING. VERIFICATION THAT AS BUILT DRAWINGS ARE CURRENT IS A REQUIREMENT FOR PROGRESS PAYMENT REQUEST SUBMITTAL.

13. CONTRACTOR AND ALL SUBCONTRACTORS SHALL POSSESS VALID CONTRACTOR LICENSES AND CURRENT CITY BUSINESS LICENSES. ONSITE VENDORS SHALL ALSO BE IN COMPLIANCE WITH LOCAL BUSINESS LICENSE REQUIREMENTS.

14. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCE TO SECURE THE WORK AND WORKSITE FROM DAMAGE AND THEFT. CONTRACTOR SHALL REPAIR OR REPLACE ANY LOSS OR DAMAGE INCURRED UNTIL WRITTEN ACCEPTANCE OF THE WORK BY THE CITY.

15. CONTRACTOR IS LIABLE FOR ALL INJURY OR DAMAGE CAUSED BY ANY WORK, STORAGE OF MATERIALS AND EQUIPMENT, AND ANY OTHER ACTIVITY ON THE SITE.

16. THE CONTRACTOR SHALL FULLY ASSUME RESPONSIBILITY FOR ANY DAMAGES TO EXISTING FACILITIES, BUILDINGS, UTILITIES, STRUCTURES, OR OTHER APPURTENANCES DUE TO CONTRACTOR'S, SUBCONTRACTOR'S, VENDORS OR EMPLOYEES WHETHER INTENTIONAL OR ACCIDENTAL.

17. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOBSITE AND ANY DISCREPANCY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR REVIEW. WORK AT OR AFFECTED BY ANY CONFLICT SHALL BE HALTED UNTIL A RESOLUTION OR REVISION HAS BEEN DETERMINED.

18. THE CONTRACTORS WORK FORCE SHALL CONSIST OF PERSONS SKILLED IN THE TRADES AND TYPE OF WORK INVOLVED. LESS TRAINED WORKERS SHALL BE CLOSELY SUPERVISED BY SKILLED TRADESMEN.

19. THESE PLANS AND REFERENCES HEREIN ARE HEREBY MADE A PART OF THE SPECIFICATIONS AND CONTRACTUAL AGREEMENT.

20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE CITY ENGINEER.

21. THERE SHALL BE NO ABOVE-GROUND OBSTRUCTION IN ANY PORTION OF THE SIDEWALK EXCEPT WHERE THE WIDTH, EXCLUSIVE OF THE TOP OF CURB, IS 6 FT. OR GREATER. A CLEAR WALKING PATH OF AT LEAST FOUR (4) FT. MIN. SHALL BE MAINTAINED AT ALL TIMES.

22. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARDS TO SAFETY ORDERS AND THE CONTRACTOR SHALL COMPLY IN ALL WAYS WITH THE REQUIREMENTS THEREOF. ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA.

23. INSPECTION PROVIDED BY THE CITY CAN IN NO WAY BE CONSTRUED AS SAFETY INSPECTION.

24. PRIOR TO STARTING AND/OR DURING ALL WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH THE "CALIFORNIA SAFETY AND HEALTH ACT 1976" INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.

25. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE CITY OF COMPTON PRIOR TO START OF ANY WORK. CONTRACTOR SHALL IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO PROVIDE SAFETY TO THOSE ON THE SITE AND TO THE MOTORING AND PEDESTRIAN PUBLIC.

26. CONTRACTOR SHALL MAINTAIN AND RESTORE ALL TRAFFIC SIGNS ERECT AND IN SAME POSITION AS ORIGINALLY FOUND.

27. NO REPRESENTATIVE OF THE CITY OR ITS AGENCIES WILL SURVEY OR OTHERWISE LAYOUT ANY PORTION OF THE WORK.

28. CONTRACTOR SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS FOR OPEN EXCAVATIONS" AS SHOWN IN THE LOS ANGELES COUNTY PUBLIC WORKS STANDARD 6008-0.

29. AT JOBSITE, ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA. ALL REQUIRED JURISDICTIONALLY REQUIRED NOTICES SHALL BE DISPLAYED AT SITE.

30. THE CONTRACTOR'S ATTENTION IS EXPRESSLY DIRECTED TO ALL THE REQUIREMENTS AND PROVISIONS OF THE STATE OF CALIFORNIA SAFETY REGULATIONS. CONFORMANCE THERETO SHALL BE STRICTLY ENFORCED THROUGH THE DURATION OF THE PROJECT.

31. BARRICADES WITH FLASHING LIGHTS ARE TO BE MAINTAINED ON ALL OBSTRUCTIONS WITHIN STREET RIGHTS OF WAY AND PEDESTRIAN OR VEHICLE ACCESSIBLE AREAS AT ALL TIMES DURING THE PROJECT. CONSTRUCTION WARNING SIGNS AND FLAGGERS ARE TO BE IN PLACE DURING ALL TIMES OF WORK.

32. CONTRACTOR SAFETY PROGRAM TO BE IN PLACE AND AVAILABLE FOR EXAMINATION BY THE ENGINEER. IT SHALL BE KEPT AT THE JOBSITE OFFICE OR IN THE VEHICLE OF THE ONSITE SUPERVISION.

33. THE CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED PERMITS FOR CONSTRUCTION OF THE PROJECT FROM THE CITY OF COMPTON AND ANY AGENCIES HAVING JURISDICTION, AT CONTRACTOR'S EXPENSE.

34. ALL CONTRACTOR EQUIPMENT SHALL HAVE BEEN INSPECTED AND PERMITTED BY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR EMISSION COMPLIANCE.

35. PERMIT AND INSPECTIONS FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS SPECIFIED TO BE REIMBURSED OR TO BE AT NO COST.

36. CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS AND REQUIREMENTS OF ALL PERMITS PERTAINING TO THE PROJECT. THE REQUIREMENTS THEREIN ARE BY REFERENCE INCLUDED IN THE CONTRACT.

37. SEPARATE PERMIT FOR WORK IN ANY STATE HIGHWAY MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 120 SOUTH SPRING STREET, LOS ANGELES CA.

38. CONTRACTOR SHALL COMPLY WITH ALL STORMWATER POLLUTION CONTROL, NPDES AND REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) REQUIREMENTS, INCLUDING BUT NOT LIMITED TO BEST MANAGEMENT PRACTICE (BMPs).

39. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ALL DAMAGE THAT MAY OCCUR FROM STORM WATER AND/OR DEPOSITION OF DEBRIS FROM ANY AND ALL WORK IN CONNECTION WITH PROJECT CONSTRUCTION.

40. CONTRACTOR SHALL MAINTAIN EXISTING PROJECT AREA DRAINAGE AND SHALL INSTALL ADDITIONAL TEMPORARY DRAINAGE SYSTEMS TO PROTECT THE SITE AND ADJACENT PROPERTIES.

41. CONTRACTOR SHALL KEEP THE SITE CLEAN AND FREE OF RUBBISH. TRASH AND EXCESS MATERIALS SHALL BE DISPOSED OF OFFSITE DAILY.

42. CONTRACTOR SHALL PROVIDE FOR DUST CONTROL AT ALL TIMES TO THE SATISFACTION OF THE CITY ENGINEER AND ANY AGENCY HAVING JURISDICTION, AND SHALL BE IN COMPLIANCE WITH THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (A.Q.M.D.) RULE 403 FOR DUST CONTROL AND MITIGATION.

43. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE INCURRED DURING THE PROGRESS OF THE PROJECT, WITHOUT REGARD TO FAULT OR CAUSE.

44. CALL UNDERGROUND SERVICE ALERT, 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WHICH MAY DAMAGE OR INTERRUPT THE SERVICE OF ANY UNDERGROUND UTILITY.

45. THE CONTRACTOR IS FULLY RESPONSIBLE FOR KNOWING THE LOCATION OF ALL UTILITIES AND SHALL COMPLY WITH ALL UTILITY NOTES ON THE PLANS AND SPECIFICATION. THE CONTRACTOR SHALL FULLY COORDINATE ALL HIS WORK WITH AFFECTED UTILITY COMPANIES AND AGENCIES FOR ALL UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT.

46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITY LINES, VALVES, METERS, ETC. WITHIN THE LIMITS OF WORK WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT.

47. CONTRACTOR SHALL KEEP ALL TRAFFIC SIGNAL LIGHTS IN OPERATION AT STREET INTERSECTIONS AFFECTED BY UTILITY CONSTRUCTION OR PAVING WORK.

48. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

49. SOUTHERN CALIFORNIA EDISON CO. SHALL BE NOTIFIED FOR ANY ELECTRICAL MANHOLES, VAULTS, OR PULL BOXES WHICH REQUIRE ADJUSTMENT. ANY POLE RELOCATIONS WILL BE BY THE OWNING UTILITY.

50. POWER POLE PROTECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SOUTHERN CALIFORNIA EDISON CO.

51. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE OWNER OF ANY GAS FACILITY VALVE COVERS AND COORDINATE THEIR ADJUSTMENT TO GRADE OR OTHER RELOCATION AS REQUIRED.

52. TELEPHONE AND CABLE MANHOLES, VAULTS, BOXES AND APPURTENANCES SHALL BE PROTECTED FROM THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AND COORDINATE ANY WORK WHICH WILL REQUIRE ADJUSTMENT OF COMMUNICATION FACILITIES. ACCESS FACILITIES SHALL BE ADJUSTED TO GRADE IF REQUIRED.

53. APPROVAL OF THESE PLANS BY THE CITY OR THEIR REPRESENTATIVES DOES NOT CONSTITUTE A REPRESENTATION AS TO ACCURACY OF THE LOCATION, EXISTENCE, OR ABSENCE OF ANY UNDERGROUND STRUCTURE OR UTILITY WITHIN THE PROJECT AREA LIMITS.

54. ALL CONSTRUCTION JOINTS FOR P.C.C. CURBS, GUTTERS, AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK" LATEST EDITION).

55. ANY BROKEN CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, TREE WELLS OR ANY OTHER STRUCTURES SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER RECOMMENDATION BY THE CITY PROJECT INSPECTOR WITH NO EXTRA COMPENSATION, THE CONTRACTOR IS RESPONSIBLE TO FIELD CHECK FOR SUCH CONDITIONS PRIOR TO SUBMITTAL OF BID.

56. ALL SIDEWALK, CURB AND GUTTER REPAIRS SHALL JOIN WITH THE EXISTING AT THE NEAREST CONSTRUCTION JOINTS AND BE ADJUSTED TO MATCH WITH THE GRADE OF THE EXISTING CONCRETE STRUCTURES.

57. PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED IN GUTTER, SIDEWALK, CURB AND RAMP JOINTS AT UNIFORM INTERVALS NOT TO EXCEED 25 FT., AT THE TOP OF "X" OF DRIVEWAYS, AT THE END OF CURVES, AND HANDICAP RAMPS.

58. HANDICAP RAMPS SHALL BE INSTALLED AT ALL NEW AND REPLACEMENT INTERSECTION SIDEWALK, CURB AND GUTTER INSTALLATIONS. TRUNCATED DOME ADA COMPLIANT DETECTABLE SURFACES SHALL BE INSTALLED, COLOR TO BE SELECTED BY THE CITY.

59. ALL SURFACES TO BE JOINED SHALL BE CLEANED, PREPARED, ABRADED, PRIMED, AND OTHERWISE BE MADE READY FOR JOINING WITH THE NEW CONSTRUCTION.

60. ALL NEW SIDEWALK, CURB, GUTTER, SLABS AND OTHER EXPOSED CONCRETE SURFACES SHALL BE FINISHED TO MATCH THE EXISTING SURFACES. IN THE EVENT THERE ARE DIFFERING ADJACENT SURFACES, THE ENGINEER SHALL SELECT THE SURFACE TO MATCH OR DIRECT THE FINISH TO BE APPLIED TO THE NEW OR REPLACED WORK.

61. ABANDON EXISTING FIRE HYDRANT AS REQUIRED FOR RELOCATION OF NEW FIRE HYDRANT. EXISTING FIRE HYDRANT AND RISER SHALL BE REMOVED AND IMPROVEMENTS RESTORED AS PART OF INSTALLATION OF NEW FIRE HYDRANT ASSEMBLY.

62. AGGREGATE BASE TO BE COMPACTED TO A MINIMUM OF 95%, SUB-BASE TO BE COMPACTED TO A MINIMUM OF 90%. REFERENCE SSPWC SECTIONS 211-1 / 306-1, UNLESS OTHERWISE NOTED.

63. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE UNDISTURBED BOTTOM AND SIDES OF THE EXCAVATION.

64. SANITARY SEWER, WATER, STORM DRAIN, VAULT, AND OTHER MANHOLE FRAME AND COVER ASSEMBLIES SHALL BE RAISED TO NEW GRADE IF DISTURBED. USE OF CAST FERROUS RAISING RINGS IS NOT ACCEPTABLE.

65. COMPLETED ASPHALT PAVING OR REPAIR PAVING SHALL BE COMPACTED BY ACCEPTABLE MEANS TO PROVIDE A SURFACE FREE OF DEPRESSIONS, BUMPS, RIDGES OR OTHER IRREGULARITIES OR OTHER MARKINGS.

66. PAVEMENT MARKINGS SHALL BE REPLACED USING THE CURRENT MARKING METHOD IN USE BY THE CITY FOR NEW INSTALLATIONS. MARKINGS SHALL COMPLY WITH ALL JURISDICTIONAL REQUIREMENTS.

67. ALL CONSTRUCTION STAKING AND RELATED SURVEYS SHALL BE PROVIDED BY THE CONTRACTOR.

68. CONTRACTOR SHALL PROTECT ALL STREET CENTERLINE MONUMENTS AND TIES. ANY CENTERLINE MONUMENTS/TIES DISTURBED DURING THE CONSTRUCTION SHALL BE RESET BY THE CONTRACTOR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS AND RECORDED WITH LOS ANGELES COUNTY AT NO COST TO THE CITY.

69. CONTRACTOR SHALL UTILIZE A LICENSED SURVEYOR SERVICE TO INVESTIGATE THE PROJECT AREA, TIE OUT ANY MONUMENT WHICH MAY BE DISTURBED AND TO RESET AND RECORD THE SURVEY WITH THE COUNTY WHERE REQUIRED. LOCATE ALL MONUMENTS AND VERIFY TIE OUTS PRIOR TO BEGINNING CONSTRUCTION.

70. ELEVATIONS ARE IN FEET ABOVE U.S.C. AND G.S. SEA LEVEL, DATUM AS SHOWN, AND REFERENCED LOCAL BENCHMARKS.

71. IN ADDITION TO "AS BUILTS" CONTRACTOR SHALL PROVIDE GRADE SHEETS WITH STATIONING REPRESENTING COMPLETED WORK AS CONSTRUCTED. STATIONING OF ALL CONNECTIONS SHALL BE SHOWN.

72. THE CONTRACTOR ACKNOWLEDGES BY ENTERING INTO THE CONTRACT FOR THE WORK THAT ALL NECESSARY INSPECTIONS AND INVESTIGATIONS WERE UNDERTAKEN PRIOR TO BID AND CONTRACT EXECUTION.

73. SUFFICIENTLY PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL INVESTIGATE THE AREA OF THE PROPOSED NEW CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS WHICH REQUIRE REVISION OF THE WORK. EXTRA WORK INCURRED BY CONFLICTS ENCOUNTERED DURING PERFORMANCE OF THE WORK WHICH SHOULD HAVE BEEN APPARENT TO THE INVESTIGATION WILL NOT JUSTIFY ADDED COSTS.

74. THE CONTRACTOR SHALL REVIEW AND VERIFY CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PORTION OF THE WORK. COMPARE ACTUAL CONDITIONS WITH DRAWINGS TO ASCERTAIN CONDITIONS UNDER WHICH WORK IS PERFORMED: CHECK AND CONFIRM LOCATION OF EXISTING STRUCTURES, EQUIPMENT, AND UTILITIES WHICH MAY AFFECT WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE FULL ACCEPTANCE OF THE EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER FOR RESOLUTION PRIOR TO COMMENCEMENT OF WORK.

75. ANY PLANTED AREAS DISTURBED BY THE WORK SHALL HAVE ALL ROOTS AND DELETERIOUS MATERIALS REMOVED AND BE REPLANTED INCLUDING NEW TOPSOIL AND ROOT BARRIERS INSTALLED TO PROVIDE A COMPLETE REPLACEMENT OF THE ORIGINAL TO THE SATISFACTION OF THE ENGINEER.

76. ALL TREES TO REMAIN SHALL BE PROTECTED IN PLACE AND BE WATERED AND TRIMMED AS SCHEDULED BY OWNER IF ACCESS IS IMPEDED.

ROADWAY RECONSTRUCTION GENERAL NOTES

1. CURB AND GUTTER TO BE REPLACED TO MATCH EXISTING AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS.

2. JOIN NEW CURB AND GUTTER TO ASPHALT PAVEMENT PER DETAILS SHOWN OR REFERENCED. CONSTRUCT CURB AND GUTTER TYPE A1-6 (150) AND A1-8 (200) PER THE "GREENBOOK" STD PLAN 120-2 AND CITY REQUIREMENTS UNLESS OTHERWISE SHOWN.

3. JOIN NEW ASPHALT PAVING TO CURB AND GUTTER PER DETAILS SHOWN OR REFERENCED. PRIME ALL AREAS TO BE JOINED. SAWCUT ALL CONCRETE AND ASPHALT PAVING TO BE JOINED PRIOR TO DEMOLITION AND REMOVALS.

4. REPLACE ANY DAMAGED ALLEY APPROACH PER DETAIL HEREIN AS SHOWN AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS. CONCRETE TO BE 520-C-2500. MATCH EXISTING CURB AND GUTTER, SIDEWALK AND ALLEY GRADES. DAMAGED AREAS TO BE REPAIRED SHALL BE REMOVED TO THE NEXT SCORE LINE OR JOINT.

5. ANY NEW CURB AND GUTTER CONSTRUCTED AT EXISTING ASPHALT WEARING COURSE SHALL BE JOINED WITH A MINIMUM SIX INCH NOTCH PER STANDARD DETAIL.

6. DRIVEWAY APPROACHES DISTURBED BY THE WORK SHALL BE REPLACED PER DETAILS HEREIN OR GREEN BOOK STANDARDS.

7. REPLACE DISTURBED TRAFFIC LOOPS & DETECTION SYSTEM COMPLETE & OPERATIONAL.

8. COUNTY AND CITY STANDARDS SHALL BE FOLLOWED FOR STENCIL MARKING ALL CATCH BASINS OR STORM DRAIN INLETS WHICH HAVE BEEN INSTALLED OR DISTURBED BY THE CONSTRUCTION.

9. MANHOLE FRAME AND COVERS, UTILITY VAULTS, VALVE BOXES, AND OTHER UTILITY ACCESS STRUCTURES SHALL BE RAISED TO MATCH FINISH SURFACE IN ACCORDANCE WITH STANDARD SPECIFICATIONS, CITY AND COUNTY REQUIREMENTS.

10. BLUE REFLECTORS SHALL BE INSTALLED ON THE ROADWAY SURFACE AT THE REQUIRED LOCATIONS TO INDICATE THE LOCATION OF EACH HYDRANT. REFLECTORS SHALL BE IN ACCORDANCE WITH FIRE DEPARTMENT REGULATIONS.

11. ALL WORK IN COUNTY ROADWAY SHALL BE IN ACCORDANCE WITH LACDPW REQUIREMENTS AND SHALL BE INSPECTED BY LACDPW. CONTRACTOR SHALL APPLY FOR AND OBTAIN COUNTY PERMIT AT CONTRACTOR'S EXPENSE.

12. THE EXISTENCE AND LOCATION OF ANY MANHOLES, UTILITY VAULTS, PULL BOXES, WATER METERS, VALVES AND OTHER UTILITIES ARE OBTAINED THROUGH TOPOGRAPHIC SURVEY AND ARE TO BE PROTECTED WITHIN THE AFFECTED WORK AREA WITHOUT ADDITIONAL COST TO THE OWNER.

13. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC AS SPECIFIED, PER CALTRANS 84 AND PER CITY OF COMPTON REQUIREMENTS.

GENERAL SIGNAGE AND STRIPING NOTES

1. ALL STRIPING AND SIGNAGE REQUIRED TO RESTORE DAMAGE TO EXISTING SHALL BE DONE IN CONFORMANCE WITH THE APPLICABLE CALTRANS STANDARD PLANS AND PROVISIONS OF THE CALTRANS STANDARD SPECIFICATIONS, INCLUDING SECTION 84 AND CITY AND COUNTY STANDARDS AND REQUIREMENTS.

2. COMPLY WITH ALL MARKING REQUIREMENTS OF AGENCY HAVING JURISDICTION. PAVEMENT LEGENDS SHALL CONFORM TO CITY OF COMPTON STENCILS. SIGNS, STRIPES AND PAVEMENT LEGENDS SHALL BE REFLECTORIZED.

3. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 84 AND PROJECT BID DOCUMENTS.

4. STENCILS ARE REQUIRED AT ALL CATCH BASINS. CATCH BASIN MARKINGS MAY BE PAINTED.

5. REPLACE ALL SIGNAGE DAMAGED BY THE WORK IN KIND WITH NEW PER BID DOCUMENTS AND CITY / AGENCY / JURISDICTIONAL REQUIREMENTS.

TRAFFIC CONTROL AND SAFETY

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY, INCLUDING SIGNING, BARRICADES, SITE SECURITY, ACCESS, DETOURS, AND DEDICATED TRAFFIC CONTROL PERSONNEL TO PROTECT THE MOTORING AND PEDESTRIAN PUBLIC AND MAINTAIN ACCESS TO PRIVATE PROPERTY DURING WORKING AND NON-WORKING HOURS.

2. THE CONTRACTOR SHALL PREPARE AND SUBMIT A PROJECT TRAFFIC CONTROL PLAN IN CONFORMANCE WITH THE WATCH MANUAL AND THE SPECIFICATIONS WHICH SHALL BE COORDINATED WITH THE CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION, EXCAVATION, PAVING, OR OTHER OPERATIONS THAT WILL DISRUPT TRAFFIC OR ACCESS TO RESIDENCES OR BUSINESSES. PLAN SHALL BE IMPLEMENTED DURING ALL CONSTRUCTION.

3. WHERE PARKING CONTROL IS REQUIRED, APPROVED TEMPORARY DATE LIMITED NO PARKING SIGNS SHALL BE POSTED NO MORE THAN 100 FEET APART AT LEAST 72 HOURS PRIOR TO WORK.

4. DURING PAVING OPERATIONS, THE CONTRACTOR SHALL PROVIDE INDIVIDUALS OR EQUIPMENT DESIGNATED TO PERFORM AND MAINTAIN TRAFFIC CONTROL ONLY.

5. ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES OR FLAGGER CONTROL OF TRAFFIC SHALL BE IMPLEMENTED.

6. EACH EXCAVATION LEFT OVERNIGHT SHALL BE SECURED WITH PLATES PER CALTRANS AND SHALL HAVE MINIMUM 3 FLASHING BARRICADES EACH DIRECTION AT EXCAVATION AT MAXIMUM SPACING OF 20 FEET.

SEQUENCE NOTES

1. A COMPLETE SCHEDULE OF THE WORK SHOWING THE FOLLOWING SEQUENCE SHALL BE PREPARED: VERIFY & TIE OUT MONUMENTS, TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS, AND MATERIAL SUBMITTALS, SET UP FACILITIES AND LAY DOWN AREA,SURVEY AND STAKING FOR CONSTRUCTION, SAWCUT, PAVING REMOVAL AND DISPOSAL, REMOVAL OF CONCRETE IMPROVEMENTS, TRENCHING AND DISPOSAL OF EXISTING PIPE, STRUCTURES REMOVAL AND DISPOSAL, WATER MAIN CONSTRUCTION, VALVE BOX CONSTRUCTION, SERVICE CONNECTION AND CONSTRUCTION, PIPELINE TESTING, PIPELINE DISINFECTION, BACKFILL AND COMPACTION, PREPARATION OF BASE, PAVEMENT GRIND, PAVING BASE COURSE, PAVING WEAR COURSE, ADJUSTMENT OF VALVE BOXES AND RELATED COVERS/BOXES TO GRADE, RESTORATION OF CONCRETE IMPROVEMENTS, RE-STRIPING, PAVEMENT MARKER REPLACEMENT, PLACEMENT OF SIGNAGE, AS BUILTS, CLEAN UP AND MOVE OFF.

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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
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CITY OF COMPTON
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GENERAL NOTES

JOB No. CIP#10-18/JN120S
DRAWING No. G-2
SHEET 02 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\GS- GENERAL NOTES.dwg 01/04/16 11:04am

WATER MAIN CONSTRUCTION GENERAL NOTES

1. REMOVE AND LEGALLY DISPOSE OF EXISTING ASBESTOS CEMENT PIPE. ALL LEGALLY MANDATED MEASURES SHALL BE TAKEN TO CONTAIN ALL MATERIALS FROM THE ACP. THE PUBLIC SHALL BE ISOLATED FROM ALL DEBRIS FROM THE PIPE OR ADJACENT CONTAMINATED SOILS OR OTHER MATERIALS. ADDITIONAL REQUIREMENTS ARE LISTED IN THE PROJECT SPECIFICATIONS.

2. WATER MAIN PIPE SHALL BE DUCTILE IRON MINIMUM THICKNESS CLASS 52, PRESSURE CLASS 350, DOUBLE CEMENT MORTAR LINED, UNLESS NOTED OTHERWISE.

3. ALL FITTINGS SHALL BE RATED EQUAL TO OR GREATER THAN THE REQUIRED PIPE CLASSIFICATIONS.

4. WHERE DIRECTED, REPLACE IRON RESIDENTIAL AND COMMERCIAL SERVICES SHOWN OR WHICH ARE DISTURBED OR DISCONNECTED BY THE CONSTRUCTION. ALL SERVICES SHALL INCLUDE SERVICE CLAMP, CORPORATION STOP, COPPER TYPE K TUBE, AND CURB STOP. COPPER SHALL BE FIELD BENT PER PLUMBING CODE STANDARDS. IF CONNECTION BETWEEN COPPER PIPES IS REQUIRED, SILVER SOLDER SHALL BE USED. COPPER SERVICES SHALL BE RECONNECTED AS A PART OF WATERMAIN INSTALLATION. COMPRESSION COUPLING OPTIONAL PENDING CITY APPROVAL.

5. WHERE DIRECTED, REMOVE EXISTING METER BOXES AND INSTALL NEW METER BOXES AT ALL NEW OR REPLACED RESIDENTIAL AND COMMERCIAL SERVICE CONNECTION LOCATIONS.

6. ANY SEWER LATERAL DAMAGED BY THE CONSTRUCTION SHALL BE REPLACED FROM SEWER MAIN TO RECONNECT AT SOUND PIPE. AT NO COST TO THE CITY.

7. PROVIDE NEW BLOW OFF ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS WHEN SO DIRECTED BY THE ENGINEER.

8. PROVIDE NEW COMBINATION VACUUM RELIEF / AIR RELEASE VALVE ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS OR AT HIGH POINTS WHEN SO DIRECTED BY THE ENGINEER.

9. ALL NECESSARY TRANSITION FITTINGS SHALL BE PROVIDED AND INSTALLED TO CONNECT THE NEW PIPING, VALVES, AND FITTINGS TO EXISTING PIPING AND APPURTENANCES OF DISSIMILAR MATERIALS AS AN INTEGRAL PART OF THE WORK REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

10. ALL GATE AND BUTTERFLY VALVES SHALL BE INSTALLED COMPLETE WITH VALVE BOX ASSEMBLIES WITH A CAST COVER MARKED AND PAINTED IN ACCORDANCE WITH COMPTON WATER DEPARTMENT REQUIREMENTS AND PER PLAN DETAIL.

11. CONSTRUCTION PERMIT AND ALL JURISDICTIONAL PERMITS SHALL BE OBTAINED AND PUBLIC WORKS/JURISDICTIONAL CONSTRUCTION INSPECTION SCHEDULED PER CITY AND/OR JURISDICTIONAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.

12. THRUST BLOCKS, PER APPLICABLE PLAN DETAILS, SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION OF THE PIPING (INCLUDING TEES AND PIPE CAPS). ALL THRUST BLOCKS SHALL BEAR UPON UNDISTURBED SOLID SOIL WITH A BEARING AREA PER CHART SHOWN WITH THRUST BLOCK DETAILS. GREASE ALL PIPE AND FITTING CONTACT AREAS. DO NOT COVER ANY PIPE JOINT WITH CONCRETE. UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH ADDITIONAL CONCRETE THRUST BLOCK MATERIAL. SHOULD EXTENSIVE UNSUITABLE SOIL BE ENCOUNTERED, THE WORK SHALL BE SUSPENDED AND THE ENGINEER NOTIFIED. WORK SHALL BE DISCONTINUED IN THE IMMEDIATE AREA UNTIL WRITTEN DETERMINATION MADE. VERTICAL DIRECTION CHANGE OR FITTINGS SHALL BE STRAPPED PER DETAILS.

13. ANY VALVE OR FITTING INSTALLED FOR FUTURE USE SHALL BE PRESSURE CAPPED, PLUGGED, OR BLIND FLANGED TO SECURE THE LINE AND PREVENT LEAKAGE. THRUST BLOCK SHALL BE INSTALLED.

14. ALL FIRE HYDRANT INSTALLATIONS INCLUDE CONNECTION TO THE WATER MAIN, THRUST BLOCKS, CUT IN, NEW TEE, ALL PIPE AND FITTINGS, NEW 6" CUT OFF GATE VALVE, VALVE BOX COMPLETE PER DETAIL INCLUDING CONCRETE COLLAR, 6" CLOW MODEL 850 WET BARREL HYDRANT, CONCRETE PAD, BREAKAWAY BOLTING, DISINFECTION, TESTING, DEMOLITION AND DISPOSAL, PAVING REMOVAL, TRENCHING, INSTALLATION, BACKFILL, PAVING AND IMPROVEMENTS RESTORATION, AND ALL APPURTENANCES COMPLETE IN PLACE OPERATIONAL AND ACCEPTABLE TO THE CITY AND THE COUNTY FIRE DEPARTMENT. NEW, RELOCATED OR RECONDITIONED HYDRANTS WHERE PAINTING SYSTEM NOT SPECIFIED SHALL BE PAINTED WITH TWO COATS OF ZINC CHROMATE PRIMER AND TWO COATS OF INDUSTRIAL SEVERE SERVICE ENAMEL IN SCHOOL BUS / CAUTION YELLOW PER CITY AND WATER DEPARTMENT STANDARDS. RELOCATED HYDRANTS SHALL BE RECONDITIONED TO A NEW CONDITION. FITTINGS AND VALVES SHALL NOT BE REUSED. BACKFILL ABOVE PIPE ZONE TO BASE OF IMPROVEMENT SHALL BE SLURRY.

15. CONTRACTOR SHALL PROVIDE ALL NECESSARY ASSISTANCE, MATERIALS AND EQUIPMENT FOR ANY FIRE DEPARTMENT REQUIRED PROOF TESTING. HYDRANT FAILING TO MEET THE FIRE DEPARTMENT STANDARDS OR TESTING SHALL BE CORRECTED OR REPLACED AND RETESTED TO FIRE DEPARTMENT SATISFACTION.

16. TEE CUT REQUIRED FOR ASPHALT CONCRETE PAVING REPAIR AT ALL TRENCH AND EXCAVATION IN PAVED AREAS. ALL EDGES SHALL BE SAWCUT TO RECTANGULAR PATTERN AFTER TRENCH IS BACKFILLED AND BEFORE ASPHALT REPAIR. PRIME ALL CONTACT AREAS. IF TRENCH EDGE IS WITHIN FOUR FEET OF GUTTER OR CURB CONTINUE THE 2 INCH GRIND TO EDGE OF PAVEMENT, OR REMOVE AND REPLACE PAVING FROM TRENCH TO GUTTER. REPLACEMENT AC SHALL BE OF MINIMUM THICKNESS SHOWN AND 1 INCH GREATER IN THICKNESS THAN THE EXISTING SECTION. ASPHALT REMOVED SHALL BE DISPOSED OFFSITE AND MAY NOT BE USED IN BACKFILL.

17. TRENCH CUT IN EXISTING PCC STREET OR ALLEY SHALL BE SAWCUT BEFORE REMOVAL OF ROADWAY SURFACE. CONCRETE SHALL BE LEGALLY DISPOSED OF OFFSITE AND MAY NOT BE USED IN BACKFILL. PCC SHALL BE SAWCUT TO PROVIDE STRAIGHT RECTANGULAR JOINTS. BASE MATERIAL REMOVED SHALL BE REPLACED WITH CONCRETE. NEW CONCRETE ROADWAY MINIMUM 1" GREATER IN THICKNESS THAN THE EXISTING SECTION AND A MINIMUM 6" THICKNESS SHALL BE CONSTRUCTED WITHIN THESE LIMITS. EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM SPACING OF 30 FEET. CONCRETE SHALL BE 520-A-2500 MINIMUM.

18. REMOVE EXISTING WATER PIPE, FITTINGS, APPURTENANCES, VALVES AND DISPOSE OFF-SITE. ALL EXCAVATION AND DEMOLITION, REMOVAL TRANSPORT AND DISPOSAL SHALL BE IN ACCORDANCE WITH LEGAL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO SCAQMD, OSHA, CAL-OSHA, HEALTH DEPARTMENT, STATE, FEDERAL AND LOCAL REQUIREMENTS. PIPE REMOVAL INCLUDES ALL APPURTENANCES. REPLACE WITH NEW DUCTILE IRON PIPE, FITTINGS, VALVES, SERVICES, HYDRANTS, APPURTENANCES AND CONNECTIONS OF THE SIZES, TYPES AND CONFIGURATIONS SHOWN AND SPECIFIED. GROUP NEW VALVES AT TEE/ CROSS WHEREVER POSSIBLE.

19. CONTRACTOR TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS WHOSE WATER SERVICE WILL BE AFFECTED BY THE CONSTRUCTION 72 HOURS PRIOR TO DISCONTINUANCE OF SERVICE, THEN AT 24 HOURS IN ADVANCE OF SHUT OFF AND CHANGE OVER. HIGHLINE SERVICES REQUIRED FOR ALL AFFECTED OCCUPANTS.

20. WHERE STEEL PIPE INSTALLATION IS REQUIRED, IT SHALL BE DOUBLE CEMENT MORTAR LINED (AND EPOXY OR CEMENT MORTAR COATED AS SHOWN OR REQUIRED), WELDED CONNECTIONS AND COMPLETELY PATCHED INSIDE AND OUT PRIOR TO ACCEPTANCE AND BEING PLACED IN SERVICE. PRESSURE TEST AND DISINFECTION REQUIRED PER AWWA.

21. BACKFILL AT WATER MAINS ABOVE PIPE ZONE TO LOWER LIMIT OF PAVING SHALL BE THREE QUARTER SACK SAND CEMENT SLURRY ABOVE PIPE ZONE BEDDING.

22. INSTALLATION OF HDPE PIPE BY DIRECTIONAL DRILLING AT INTERFERING UTILITY CROSSING LOCATIONS MAY BE PERMITTED AS OPTIONAL METHOD SUBJECT TO APPROVAL BY JURISDICTIONAL AUTHORITIES. SUBMITTAL OF METHOD REQUIRED. SDR/DR AS REQUIRED BY ENGINEER.

SEWER CONSTRUCTION GENERAL NOTES

1. SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND PUBLIC WORKS CONSTRUCTION INSPECTION SCHEDULED PER CITY REQUIREMENTS. PERMIT FROM OTHER JURISDICTIONS FOR EXCAVATION IN STREETS IS RESPONSIBILITY OF CONTRACTOR.

2. THE CONTRACTOR SHALL PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE STATIONED ON THE LINE CONNECTING THE CENTERLINE OF MANHOLES SHOWING LATERALS.

3. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "G" IN ACCORDANCE WITH SECTION 208-2 OF THE STANDARD SPECIFICATIONS.

4. HOUSE LATERALS TO BE REPLACED SHALL BE CONSTRUCTED TO PROPERTY LINE AND CONNECTED OR CAPPED AS REQUIRED. ALL CONNECTION PER LACSD AND CITY STANDARDS. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED. FOR POWER POLE WITHIN THREE FEET OF THE SEWER PIPE, THE SEWER SHALL BE ENCASED PER LACDPW STANDARD PLAN 2023-2, CASE II, FOUR FEET EACH WAY FROM LIMITS OF POLE.

5. CONNECTIONS BETWEEN VITRIFIED CLAY AND CAST/DUCTILE IRON PIPES SHALL BE MADE USING RUBBER SLEEVE JOINT, TYPE "D" PER STANDARD SPECIFICATIONS SECTION 208-2. BUSHING INSTALLED IF REQUIRED.

6. SEWER WYE AND LATERAL DETAILS AND STANDARD DETAILS ARE SHOWN OR REFERENCED. NEW LATERAL FROM NEW SEWER TO JOIN PER DETAIL. LATERALS AND WYES TO BE LOCATED AT LEAST FIVE FEET APART AND MINIMUM FIVE FEET FROM ANY MANHOLE IN ACCORDANCE WITH LOS ANGELES COUNTY PUBLIC WORKS AND LACSD STANDARDS.

7. VITRIFIED CLAY PIPE LATERALS OR SEWERS FOUND TO HAVE LESS THAN FOUR FEET OF COVER SHALL BE ENCASED PER LOS ANGELES COUNTY STANDARD PLAN 2023-2, CASE II, AS A PART OF THE SEWER MAIN LINE CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

8. WHERE PVC SEWER IS ALLOWED, PIPE SHALL BE SDR 26 OR HEAVIER AND BE SPECIFICALLY APPROVED FOR SANITARY SEWER SERVICE. DETAILED SUBMITTAL AND APPROVAL, PRIOR TO USE, ARE NECESSARY.

9. FOR SEWER PIPES WITHIN THE VICINITY OF POTABLE WATER PIPES, REFER TO AND COMPLY WITH THE COUNTY DEPARTMENT OF HEALTH, COUNTY PUBLIC WORKS, CA DEPT. OF HEALTH AND THE STANDARD DETAILS HEREIN.

10. MANHOLES PRECAST PER APWA STANDARD PLAN 200-2 OR PER L.A. COUNTY DEPT. OF PUBLIC WORKS STANDARD PLAN 2003-2 EXCEPT AS NOTED OR DETAILED OTHERWISE. MANHOLES AT LACSD CONNECTION POINTS SHALL MEET LACSD REQUIREMENTS.

11. RESURFACE/REPLACE PAVED SURFACES AS SHOWN AND PER STANDARD DETAILS. LOCAL INSPECTION AND JURISDICTIONAL AGENCY INSPECTION REQUIRED. TEE CUT AND ALL REQUIREMENTS FOR JOINING EXISTING SHALL BE ENFORCED. PERMIT FOR WORK IN COUNTY STREETS REQUIRED AT CONTRACTOR'S EXPENSE.

12. BACKFILL IN STREET SHALL BE IN FULL COMPLIANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 217-2. EXCEPT AS MODIFIED HEREIN. CERTIFICATION OF THE BACKFILL MATERIALS AND COMPACTION SHALL BE PERFORMED BY AN INDEPENDENT AND CERTIFIED TESTING SERVICE AND LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND APPROVED BY THE CITY AND THE ENGINEER. ALL COMPLIANCE TEST RESULTS SHALL BE SUBMITTED, THREE RING BOUND, TO THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.

13. BACKFILL OUTSIDE OF PAVED, RIGHT OF WAY, OR IMPROVED AREAS SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D 1557-78, METHOD "D" UNLESS OTHERWISE SPECIFIED. THE COMPLIANCE TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND ACCEPTABLE TO THE CITY ENGINEER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE CITY BOUND CHRONOLOGICALLY IN A 3 RING BINDER PRIOR TO PROJECT ACCEPTANCE BY THE CITY.

14. TOP OF MANHOLE TO BE SIX (6") INCHES ABOVE FINISHED GRADE IN ANY UNIMPROVED RIGHT OF WAY.

15. LEAKAGE TESTING TO BE PER SECTION 306-7.8.2.4. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION UNLESS MORE STRINGENT TESTING IS SPECIFIED OR REQUIRED BY LOCAL REGULATION, LACDPW OR LACSD.

16. COMPLIANCE WITH THE MOST STRINGENT OF LOS ANGELES COUNTY SEWER STANDARDS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OR PLANS AND SPECIFICATIONS IS REQUIRED UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER.

17. ANY CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE MUST HAVE BEEN ISSUED A COUNTY SANITATION DISTRICTS PERMIT FOR INDUSTRIAL WASTE DISCHARGE AND A COPY THEREOF MUST BE ON SITE FOR INSPECTION BY LOCAL JURISDICTION.

18. BEFORE CONSTRUCTION OF A CONNECTION TO A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT THE LOS ANGELES COUNTY SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED FOR INSPECTION, (TELEPHONE # (310) 638-1161). RECORD OF INSPECTION AND SIGN OFF BY SANITATION DISTRICT IS TO BE SUBMITTED PRIOR TO PROJECT CLOSE OUT.

19. REQUIREMENTS FOR WORKING IN CONFINED SPACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AS AMENDED BY THE SANITATION DISTRICTS AND WITH THE REQUIREMENTS OF Cal/OSHA.

20. SEWER MANHOLES SHALL BE ADJUSTED TO GRADE AS NECESSARY BY THE ADDITION OF PRECAST RINGS OR FORMED CAST IN PLACE CONCRETE AND SHALL BE FINISHED WITH CONCRETE SURFACE TO MATCH EXISTING ASPHALT. FERROUS RAISING RINGS NOT ALLOWED.

21. MANHOLE COVERS SHALL BE PER CITY OR AGENCY STANDARD AND SHALL INCORPORATE THE NAME AND DESIGNATIONS REQUIRED BY THE CITY OR AGENCY.

22. CONTRACTOR TO FIELD LOCATE AND CONNECT ALL EXISTING SEWER LATERALS TO NEW SEWER MAIN LINE. AS A PART OF MAINLINE CONSTRUCTION, CONNECTIONS SHALL BE PER LACSD AND CITY STANDARDS.

23. CONTRACTOR TO PROVIDE A BYPASS OR ALTERNATE METHOD TO MAINTAIN SEWER SERVICEABILITY WHILE CONSTRUCTING NEW SEWER MAIN SEGMENTS IN ACCORDANCE WITH CITY NPDES PERMIT. SUBMIT PROPOSED METHOD FOR REVIEW BY ENGINEER & CITY 72 HOURS PRIOR TO CONSTRUCTION. METHODS TO BE IN ACCORDANCE WITH CITY GENERAL NPDES PERMIT.

24. CONTRACTORS TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS THAT WILL BE AFFECTED BY THE CONSTRUCTION FOR EACH SEWER SEGMENT 72 HOURS, THEN AT 24 HOURS IN ADVANCE OF INTERRUPTIONS.

LEGEND:

ABAN	ABANDONED	FP	FINISH PAVEMENT	PT	POINT	UTIL CAB	UTILITY CABINET
AC	ACCEPTED	FS	FINISH SURFACE	PTS	POINTS	V	VALVE
AC, ACC	ASPHALTIC CONCRETE	FT	FEET	PT.COM.	POINT OF COMMENCEMENT	VAC	VACATION
ACP	ASBESTOS CEMENT PIPE	FW	FRONT OF WALK	PTR	PRELIMINARY TITLE REPORT	VCP	VITRIFIED CLAY PIPE
ADA	AMERICANS WITH DISABILITY ACT	G	GAS LINE	PUN	PUNCHED	VG	VALLEY GUTTER
AP	ANGLE POINT	GA	GUY ANCHOR	PVC	POLYVINYL CHLORIDE	VLT	VAULT
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	GALV.	GALVANIZED	PVMT.	PAVEMENT	W	WATER LINE
		GFA	GROSS FLOOR AREA	PWD	PARKWAY DRAIN	W	WEST
ARV	AIR RELEASE VALVE	GM , ⧗	GAS METER	PWFB	PUBLIC WORKS FIELD BOOK	W/	WITH
AVE	AVENUE	GP	GUARD POST	R	RECORD	WLY	WESTERLY
AWWA	AMERICAN WATER WORKS ASSOCIATION	GTE	GENERAL TELEPHONE CONDUIT	R	RADIUS	WA	WATER ASSEMBLY
		GTE MH	GENERAL TELEPHONE MANHOLE	R 11 W	RANGE 11 WEST	WDF	WOOD FENCE
BC	BEGINNING OF CURVE	GTE VLT	GENERAL TELEPHONE VAULT	RAD	RADIAL	WIF	WROUGHT IRON FENCE
BCM	BUILDING CORNER-METAL	GV	GATE VALVE	R.C.B.	REINFORCED CONCRETE BOX	WM	WATER METER
BFP	BACKFLOW PREVENTION DEVICE	HC	HANDICAP	RCE	REGISTERED CIVIL ENGINEER	WSO	WATER SHUT OFF VALVE
BFV	BUTTERFLY VALVE	HCR	HANDICAP RAMP	RCLW	RECLAIMED WATER LINE	WV	WATER VALVE
BK.	BOOK	HDPE	HIGH-DENSITY POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE	W VLT	WATER VAULT
BLDG	BUILDING	HWF	HOG WIRE FENCE	RD	ROOF DRAIN	X-ARM	CROSS ARM
BLVD	BOULEVARD	ICB	IRRIGATION CONTROL BOX	R.D.	ROAD DEPARTMENT		
BMPs	BEST MANAGEMENT PRACTICES	ICV	IRRIGATION CONTROL VALVE	RDFB	ROAD DEPARTMENT FIELD BOOK		
BR	BRASS	ILLEG	ILLEGIBLE	REC	RECORD		
BRMP	BOTTOM OF RAMP	IN	INCHES, INLET	REF	REFERENCE		
BSTP	BOTTOM STEP	INST. NO.	INSTRUMENT NUMBER	RET	RETAINING		
BV / BFV	BUTTERFLY VALVE	INT-INTER	INTERSECTION	RR	RAILROAD		
BW	BACK OF WALK	INV	INVERT	R.S.B.	RECORD OF SURVEY BOOK		
BWF	BARBED WIRE FENCE	IP	IRON PIPE	R/W	RIGHT OF WAY		
CA, CAL	CALIFORNIA	L	LENGTH	RWQCB	REGIONAL WATER QUALITY CONTROL BOARD		
CAB	CRUSHED AGGREGATE BASE	LACDPW	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS	S	SEWER LINE		
CADT	CALIF. DEPT. OF TRANSPORTATION			S	SOUTH		
CATV	CABLE TELEVISION	LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	SBL	SETBACK LINE		
CI/CIP	CAST IRON PIPE			S.B.M.	SAN BERNARDINO MERIDIAN		
C&G	CURB AND GUTTER	LACSD	LOS ANGELES COUNTY SANITATION DISTRICT	S'LY	SOUTHERLY		
CB	CATCH BASIN			S&W	SPIKE & WASHER		
CC & R's	COVENANTS, CONDITIONS AND RESTRICTIONS	LACE	LOS ANGELES COUNTY ENGINEER	SCAQMD	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		
		LACS	LOS ANGELES COUNTY SURVEYOR				
CEFB	CITY ENGINEER'S FIELD BOOK	LD	LEGAL DESCRIPTION				
CF	CURB FACE	LF	LINEAR FOOT	SCE	SOUTHERN CALIFORNIA EDISON CO.		
C.F.	CALCULATED FROM	LIP	LIP OF GUTTER	SCO	SEWER CLEAN OUT		
CHIS.	CHISELED	LP	LIGHT POLE	SD	STORM DRAIN		
C/L, Ç ,C	CENTERLINE, CENTER	LS	LICENSED SURVEYOR	SDR	STANDARD DIMENSION RATIO		
CLF	CHAIN LINK FENCE	L&T	LEAD AND TACK	SE	SAND EQUIVALENT		
CMB	CRUSHED MISCELLANEOUS BASE	LT&T	LEAD TACK AND TAG	SE	SOUTHEAST		
CMC	CEMENT MORTAR COATED	LTLT	LOT LIGHT	SE'LY	SOUTHEASTERLY		
CML	CEMENT MORTAR LINED	LT STD	LIGHT STANDARD	SEC	SOUTHEAST CORNER		
CML&C	CEMENT MORTAR LINED & COATED	M	MEASURED	SEC 7	SECTION 7		
CML&E	CEMENT MORTAR LINED & EPOXY COATED	MAX	MAXIMUM	SF	SQUARE FEET		
		M.B.	MAP BOOK	SFN	SEARCHED, FOUND NOTHING		
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	SHT	SHEET		
CO.ENG.FB	COUNTY ENGINEER'S FIELD BOOK	MIN	MINIMUM	SLCB	STREET LIGHT CONTROL BOX		
CONC	CONCRETE	MON	MONUMENT	SLPB	STREET LIGHT PULL BOX		
COR	CORNER	MS	MOW STRIP	SMH	SEWER MANHOLE		
CSFB	COUNTY SURVEYOR'S FIELD BOOK	MUTCD	MANUAL ON TRAFFIC CONTROL DEVICES	SP	SIGN POST		
CD	CURB DRAIN	MW	MONITORING WELL	SPECS	SPECIFICATIONS		
D, △	DELTA=CENTRAL ANGLE	(N)	NEW	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
D, DIA	DIAMETER	N	NORTH				
DCV	DETECTOR CHECK VALVE	N'LY	NORTHERLY	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK)		
DED	DEDICATION	N.A.P.	NOT A PART				
DEPT.	DEPARTMENT	NE	NORTHEAST	ST	STREET		
DESC	DESCRIBED	NEC	NORTHEAST CORNER	ST LT	STREET LIGHT		
DI	DROP INLET	NE'LY	NORTHEASTERLY	STD	STANDARD		
DIP	DUCTILE IRON PIPE	NG	NATURAL GROUND	SW	SOUTHWEST		
DIST	DISTANCE	NO.	NUMBER	SWC	SOUTHWEST CORNER		
DN	DOWN	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	SW'LY	SOUTHWESTERLY		
DOC. NO.	DOCUMENT NO.			SW&T	SPIKE WASHER & TIN		
DR	DIMENSION RATIO	NW	NORTHWEST	S/W	SIDEWALK		
DWG	DRAWING	NWC	NORTHWEST CORNER	T	TANGENT		
DRWY	DRIVEWAY	NW'LY	NORTHWESTERLY	T 3 S	TOWNSHIP 3 SOUTH		
(E)	EXISTING	OH	OVERHEAD	TB	TOP OF BERM		
E	EAST	OIL W.W.	OIL WASTE WATER LINE	TC	TOP OF CURB		
E'LY	EASTERLY	O.R.	OFFICIAL RECORDS	TAN	TANGENT		
EB	ESTABLISHED BETWEEN	O/S	OFF SET	TE	TRASH ENCLOSURE		
EBFM	ESTABLISHED BETWEEN	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TELE	TELEPHONE		
EBP	ESTABLISHED BY PRORATION			TELE SW B	TELEPHONE SWITCH BOX		
EC	EDGE OF CONCRETE	PA	PLANTER AREA	TG	TOP OF GRATE		
EC	END OF CURVE	PB	PULL BOX	10" TR	10" DIAMETER TREE		
EF	ESTABLISHED FROM	PCC	POINT OF COMPOUND CURVE	TMH	TELEPHONE MANHOLE		
ELEC	ELECTRIC	PCC	PORTLAND CEMENT CONCRETE	TOE	TOE OF SLOPE		
ELEV.	ELEVATION	PCL	PARCEL	TOP	TOP OF SLOPE		
EM	ELECTRIC METER	PED	PEDESTAL	TP	TELEPHONE POLE		
EMH	ELECTRIC MAN HOLE	PG.	PAGE	T.P.O.B.	TRUE POINT OF BEGINNING		
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	TR	TRACK		
EPB	ELECTRIC PULL BOX	PIV	POST INDICATOR VALVE	TRANS	TRANSFORMER		
ESMT	EASEMENT	PKWY	PARKWAY	T	TRANSITE PIPE		
EST	ESTABLISHED	PL	PROPERTY LINE	TS	TRAFFIC SIGN		
EXIST, (E)	EXISTING	PM	PROPORTIONATE MEASUREMENT	TSCB	TRAFFIC SIGNAL CONTROL BOX		
FAR	FLOOR AREA RATIO	P.M.	PARCEL MAP	TSPB	TRAFFIC SIGNAL PULL BOX		
FB	FIELD BOOK	P.M.B.	PARCEL MAP BOOK	TSTP	TOP STEP		
FC	FLOOD CONTROL	P.O.B.	POINT OF BEGINNING	TVLT	TELEPHONE VAULT		
FD	FOUND MONUMENTS	POC	POINT ON CURVE	TW	TOP OF WALL		
FDC	FIRE DEPARTMENT CONNECTION	P.O.C.	POINT OF CONNECTION	TWC	TOP OF CONCRETE WALL		
FF	FINISHED FLOOR ELEVATION	P.O.L.	POINT ON LINE	TYP.	TYPICAL		
FH	FIRE HYDRANT	POS	POINT ON SLOPE	U.D.	UTILITY DROP		
FL	FLOW LINE	PP	POWER POLE	UDG	UNDERGROUND CONDUIT		
FL IFOB	FL AT INSIDE WALL CB	PRC	POINT OF REVERSE CURVE	ULT.	ULTIMATE		
FNC	FENCE	PROD	PROLONGATION	UTIL	UTILITY		
F/O	FIBER OPTIC	PROP	PROPOSED	UTIL B	UTILITY BOX		

SYMBOLS:

- ABOVE GRADE CONTROL BOX
- AIRCONDITIONING UNIT
- CABLE TV BOX
- CATCH BASIN
- COLUMN
- DRAIN
- ELECTRIC MANHOLE
- EXISTING GRADE
- FINISH GRADE 75.90
- FIRE CONTROL VALVE
- FIRE DEPT. CONN. (FDC)
- FIRE HYDRANT - PROPOSED
- FIRE HYDRANT - EXISTING
- GAS METER
- GAS VALVE
- GATE POST
- GATE VALVE, EXISTING, WITH CITY OF COMPTON ID # 123
- GATE VALVE - PROPOSED
- IRRIGATION VALVE
- LIGHT STANDARD/ PED. CROSSING LIGHT
- MAIL BOX
- MONITORING WELL
- PARKING METER
- POST
- POWER POLE
- POWER POLE ANCHOR
- PULL BOX
- SEWER CL OUT
- SEWER MANHOLE
- SIGN POST
- STORM DRAIN MANHOLE
- STREET LIGHT
- STREET LIGHT BOX
- TEL (PUBLIC PHONE)
- TEL BOX
- TELECOM PULL BOX
- TELEPHONE MANHOLE
- TRAFFIC LIGHT
- TRAFFIC LIGHT CONTROL BOX
- TRAFFIC LIGHT WITH ARM
- TRAFFIC LIGHT WITH STREET LIGHT
- TREES
- VENT
- WATER MANHOLE
- WATER METER
- WATER VALVE - EXISTING
- WATER VAULT

- CONCRETE
- AGGREGATE BASE
- UNDISTURBED SOIL
- COMPACTED SOIL
- VEGETATED AREA
- ASPHALT
- GRIND/REPAVE
- BACKFILL
- SAND/PIPE ZONE BACKFILL
- SAND/PIPE ZONE BACKFILL
- 3/4 SACK SLURRY
- PROPERTY LINE
- CENTERLINE
- FENCE
- WALL
- BUILDING EDGE
- GAS
- SEWER
- WATER - PROPOSED
- WATER - EXISTING
- STORM DRAIN
- RAILROAD

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PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU — REGISTERED PROFESSIONAL ENGINEER — No. 56857 Exp. 06-30-17 — STATE OF CALIFORNIA — CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
1-7-16
GLEN W.C KAU , P.E. — LICENSE No. C-56857 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

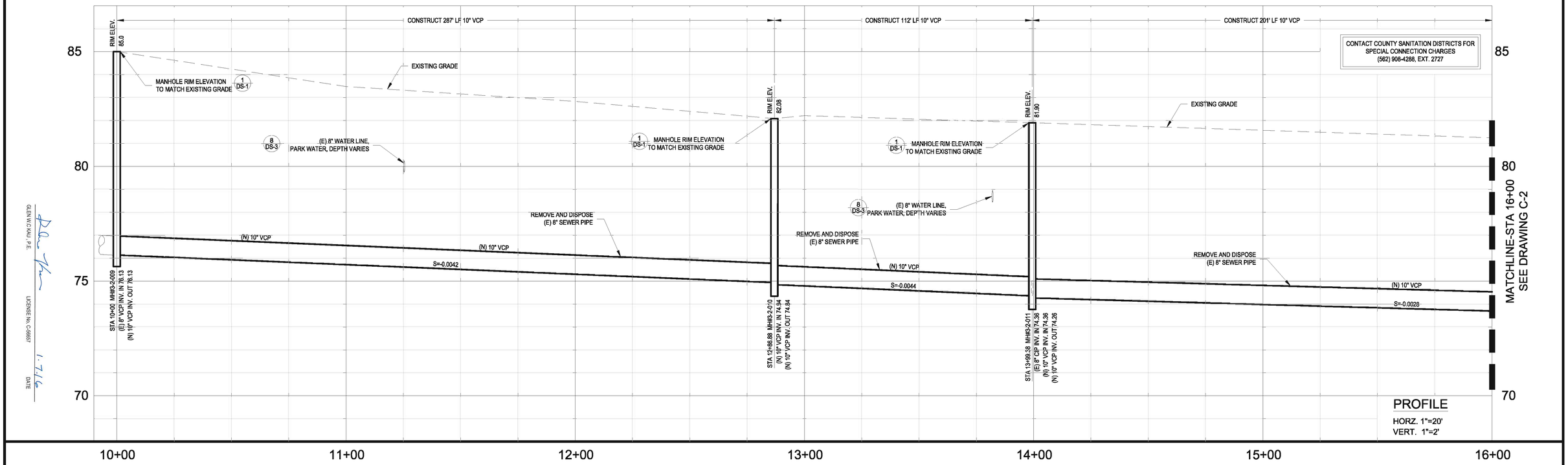
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

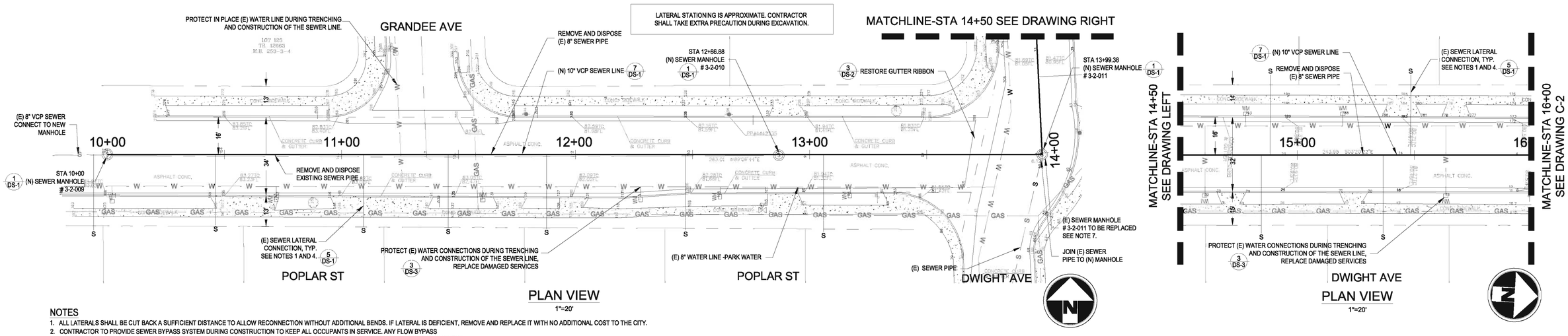
COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
GENERAL NOTES, LEGEND AND SYMBOLS

JOB No. CIP#10-18/JN120S
DRAWING No. G-3
SHEET 03 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\03-GENERAL NOTES, SYMBOLS.dwg 01/04/16 11:05am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1.7.16



NOTES

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CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

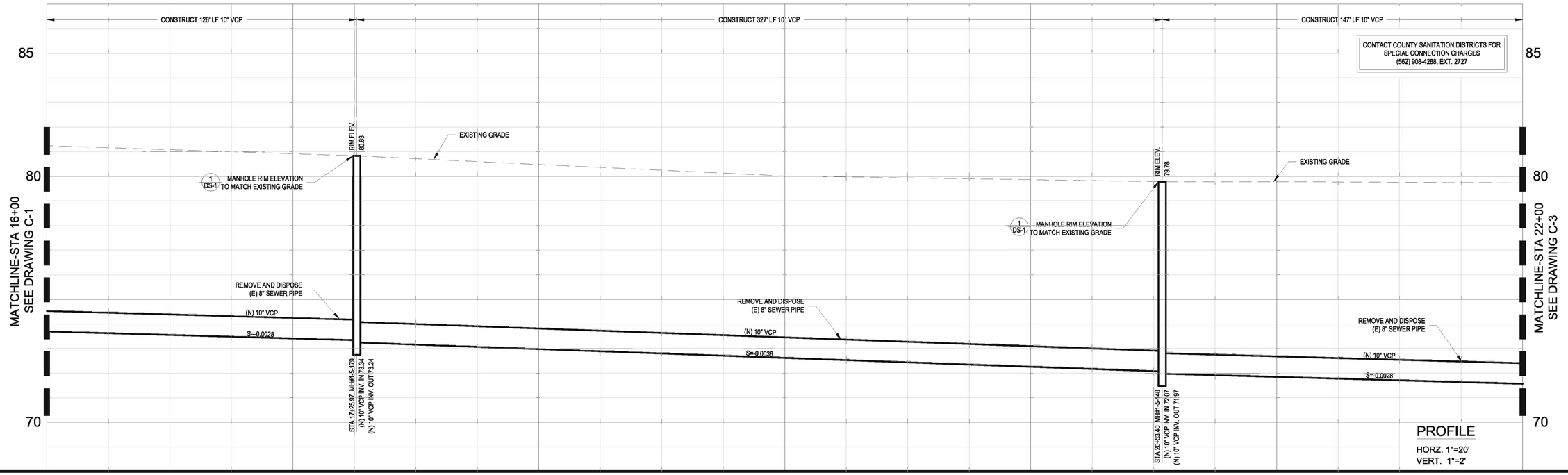
NO.	REVISION DESCRIPTION	APP.	DATE

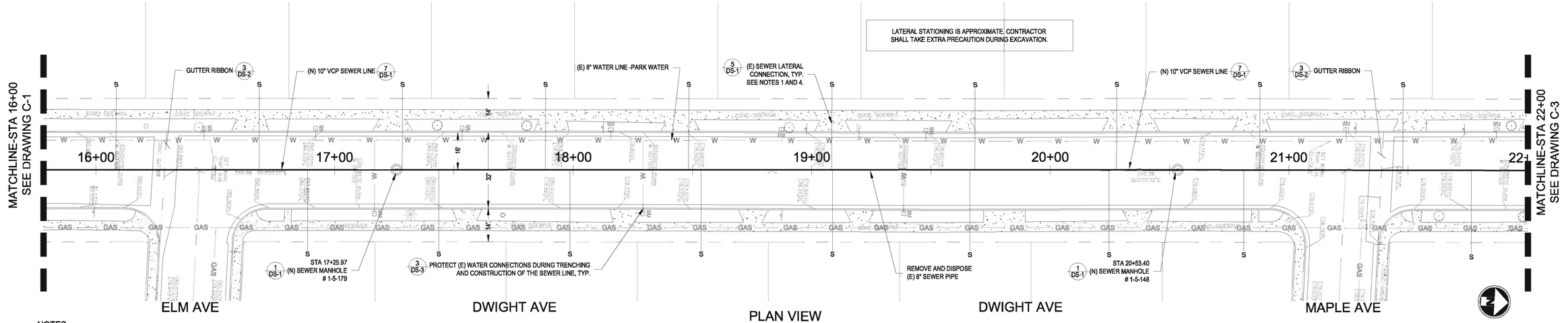
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
POPLAR ST / DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-1
SHEET 04 OF 17 SHEETS

Z:\CS PROJECTS\Compton Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT04-C1.dwg 01/04/16 11:07am





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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 STATE OF CALIFORNIA CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

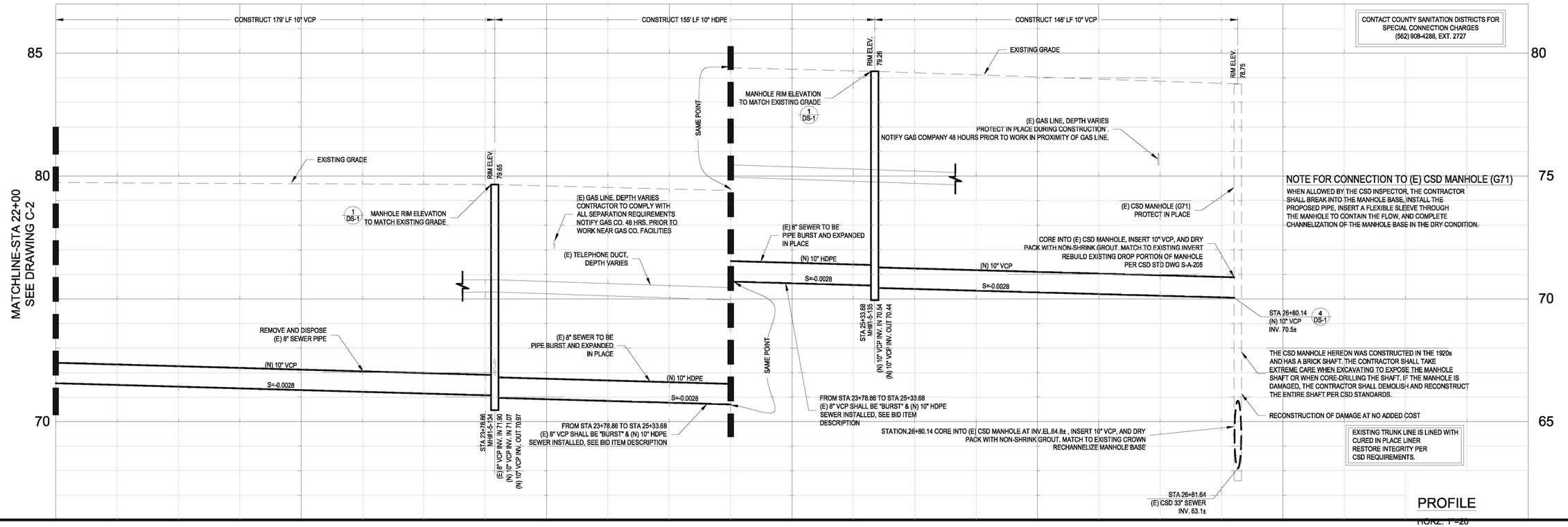
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
DWIGHT AVE
PLAN AND PROFILE
STA 16+00 TO 22+00

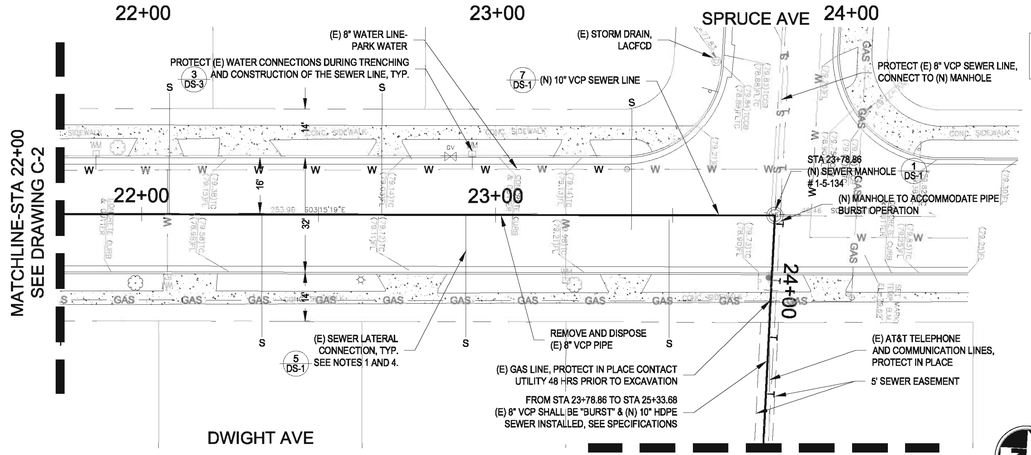
JOB No. CIP#10-18/JN120S
DRAWING No. **C-2**
SHEET 05 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER.dwg 10CS-SHT05-C2.dwg 01/04/16 11:09am

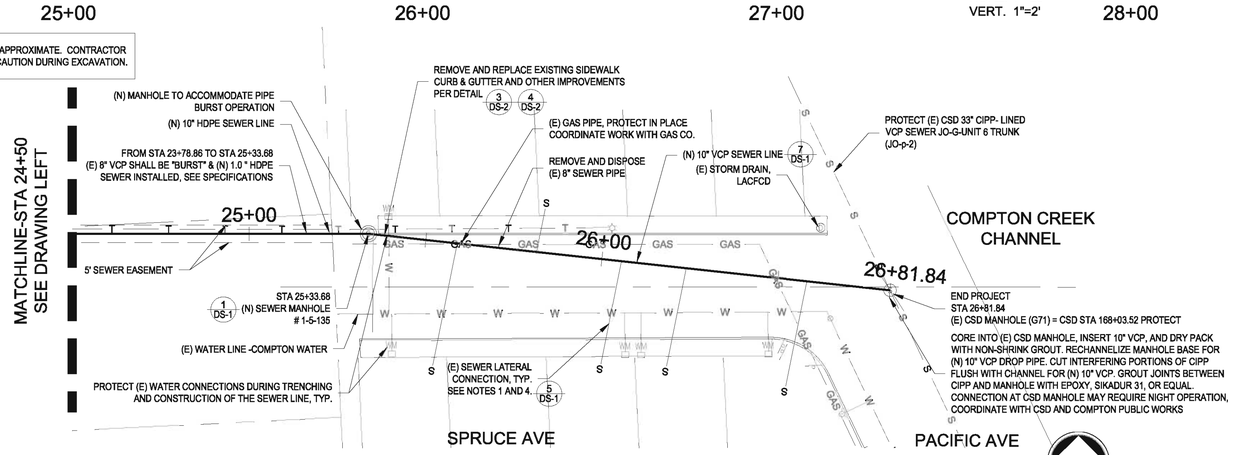


PROFILE

HORZ. 1"=20'
VERT. 1"=2'



LATERAL STATIONING IS APPROXIMATE. CONTRACTOR SHALL TAKE EXTRA PRECAUTION DURING EXCAVATION.



PLAN VIEW

1"=20'

0 10 20 40 60

1"=20'

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9. PIPE BURSTING METHOD SHALL BE PERFORMED IN A MANNER THAT WILL MINIMIZE MOVEMENT OF THE GROUND.
10. SHOULD ANYTHING PREVENT COMPLETION OF CONSTRUCTION OR PIPE BURSTING METHOD. THE REMAINDER OF THE PIPE LINE SHALL BE CONSTRUCTED BY THE METHOD APPROVED BY THE CITY.
11. CONTRACTOR SHALL SUBMIT CONSTRUCTION PLAN INCLUDING EXACT LOCATION AND SIZE OF SENDING / RECEIVING PITS FOR CITY APPROVAL. SUBMITTAL SHALL INCLUDE SHEETING / SHORING CALCULATIONS.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

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PREPARED UNDER THE SUPERVISION OF: GLEN W. C. KAU No. 56657 Exp. 06-30-12 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

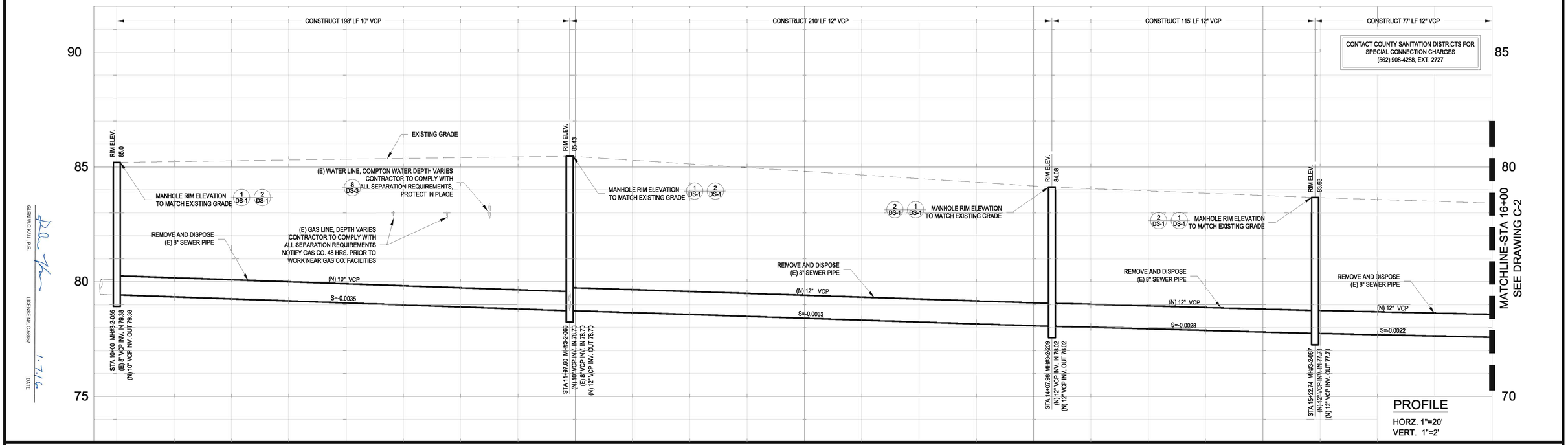
CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

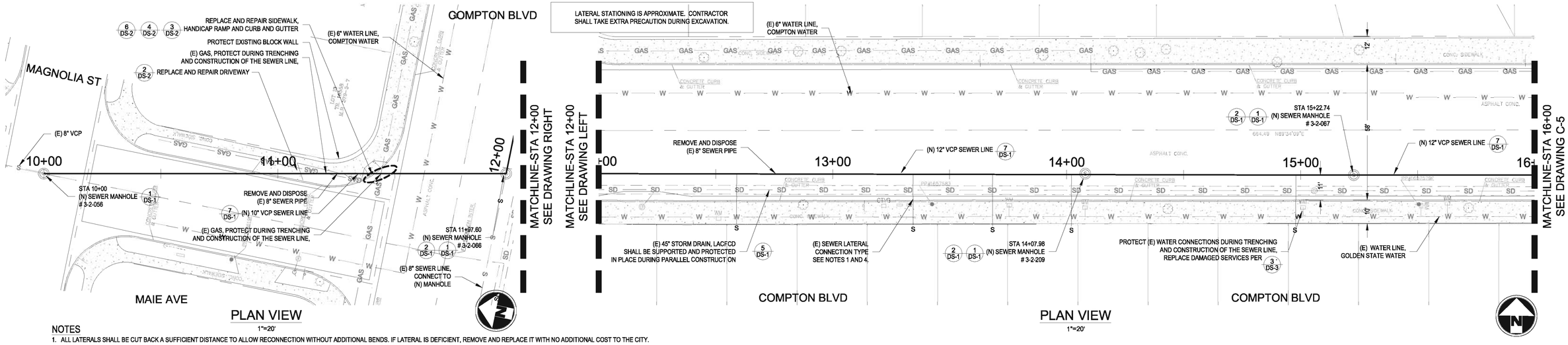
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S
DRAWING No. C-3
SHEET 06 OF 17 SHEETS

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
DWIGHT AVE / SPRUCE AVE / PACIFIC AVE
PLAN AND PROFILE
STA 22+00 TO 26+81.84

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT06-C3.dwg 01/04/16 11:10am



GLEN W.C KAU, P.E. — LICENSE No. C-56657 — DATE 1-7-16



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0 10 20 40 60
1"=20'

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PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. — LICENSE No. C-56657 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
MAIE AVE / COMPTON BLVD
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-4
SHEET 07 OF 17 SHEETS

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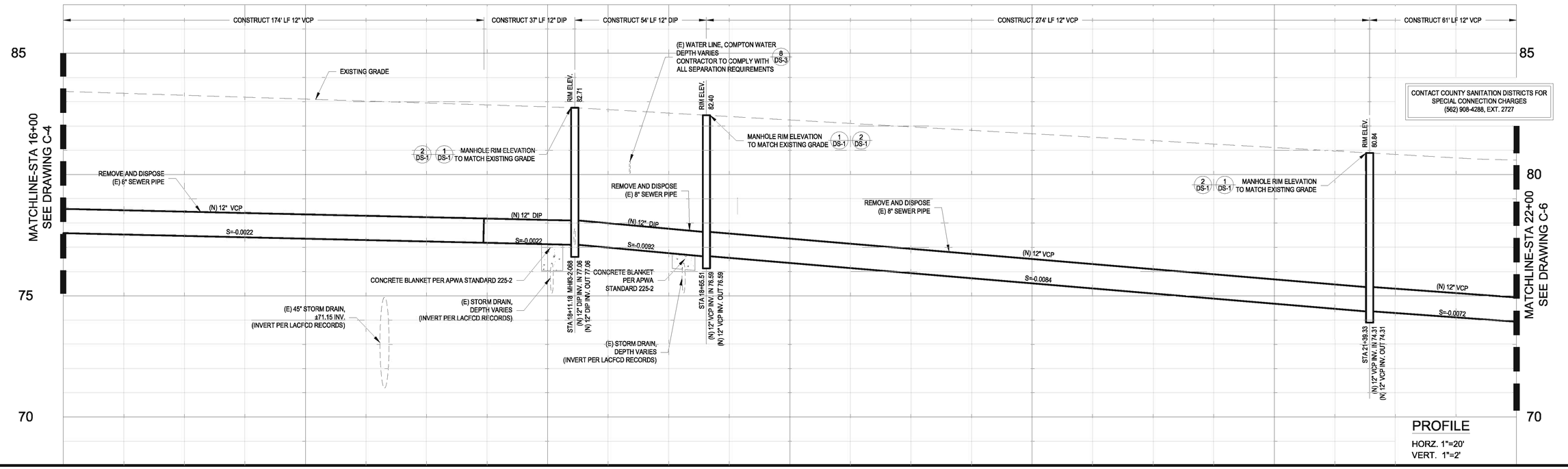
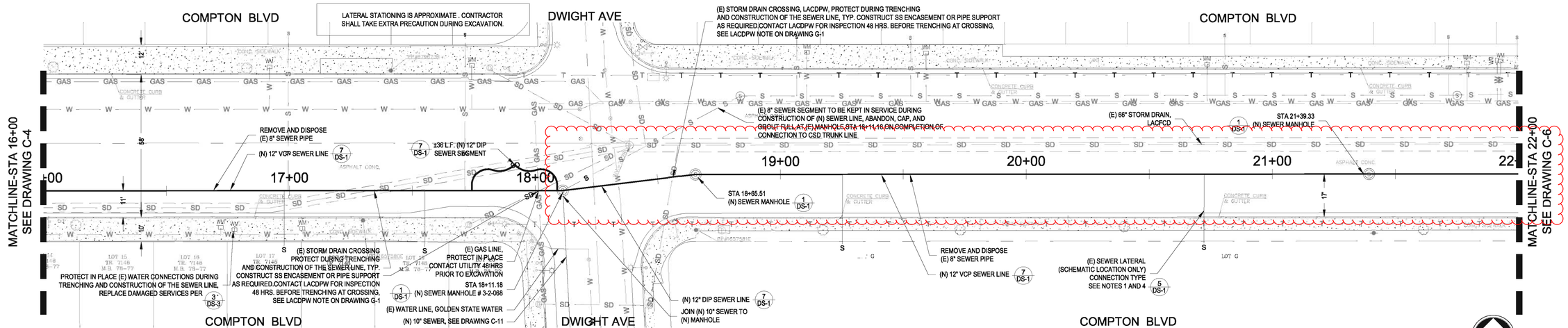


PROFILE

HORZ. 1"=20'
VERT. 1"=2'



PLAN VIEW

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0 10 20 40 60

1"=20'

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8. CONTRACTOR AT HIS OWN EXPENSE MAY RETAIN AND RESTORE MANHOLE #3-2-068 IN PLACE.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON Incorporated 1888

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

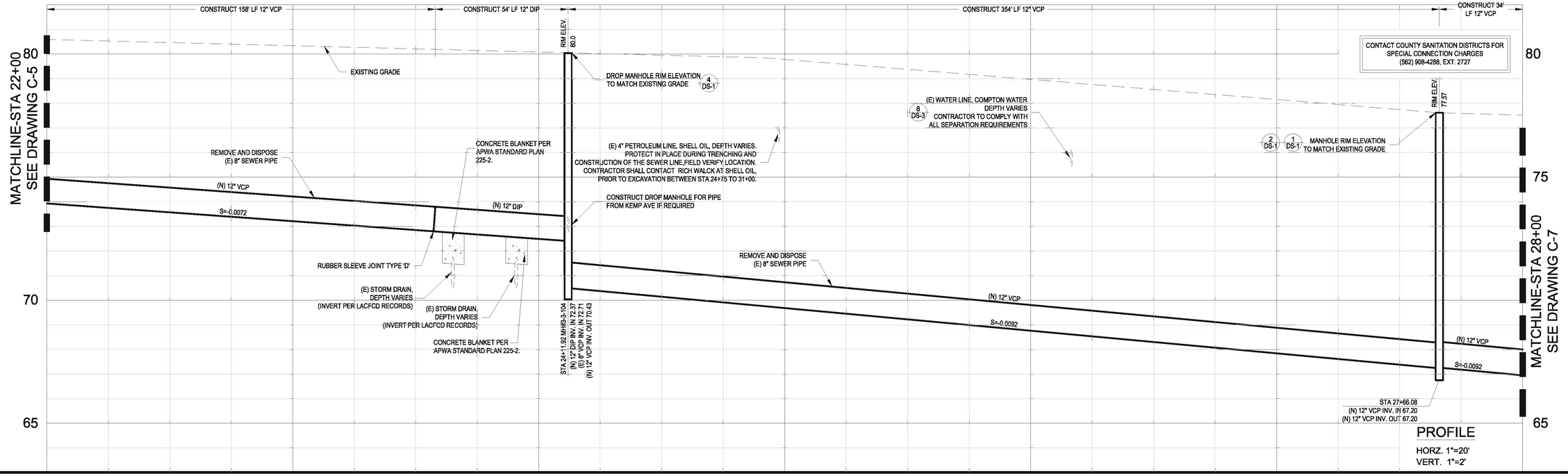
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 16+00 TO 22+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-5
SHEET 08 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STARCH.VA 1205-SHT08-C5.dwg 07/04/16 11:16am



PROFILE

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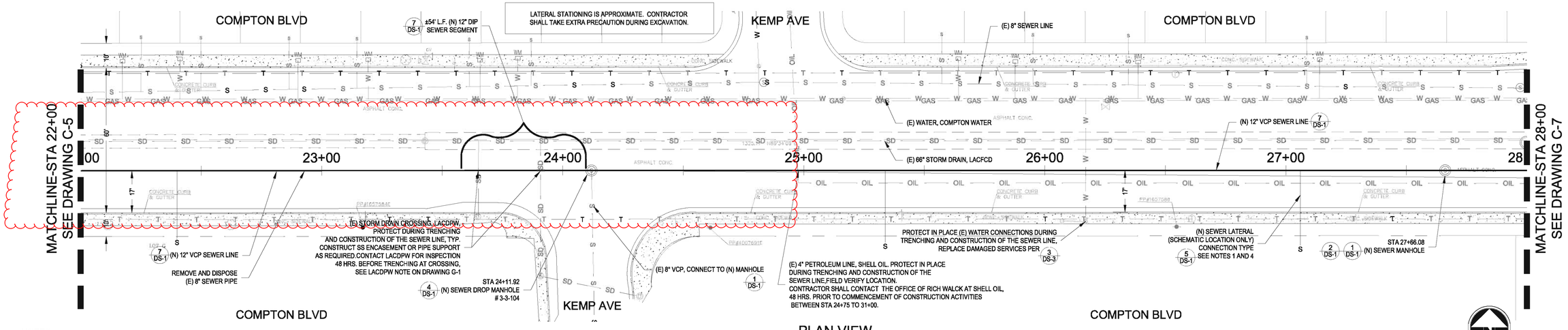
VERT. 1"=2'



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9. CONTRACTOR SHALL SHORE TRENCH STA 25+00 TO STA 31+00. SUBMIT FOR APPROVAL. MAXIMUM TRENCH WIDTH SHALL BE 5'-0" .

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

Underground Service Alert
CALL: TOLL FREE
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PREPARED UNDER THE SUPERVISION OF:
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GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

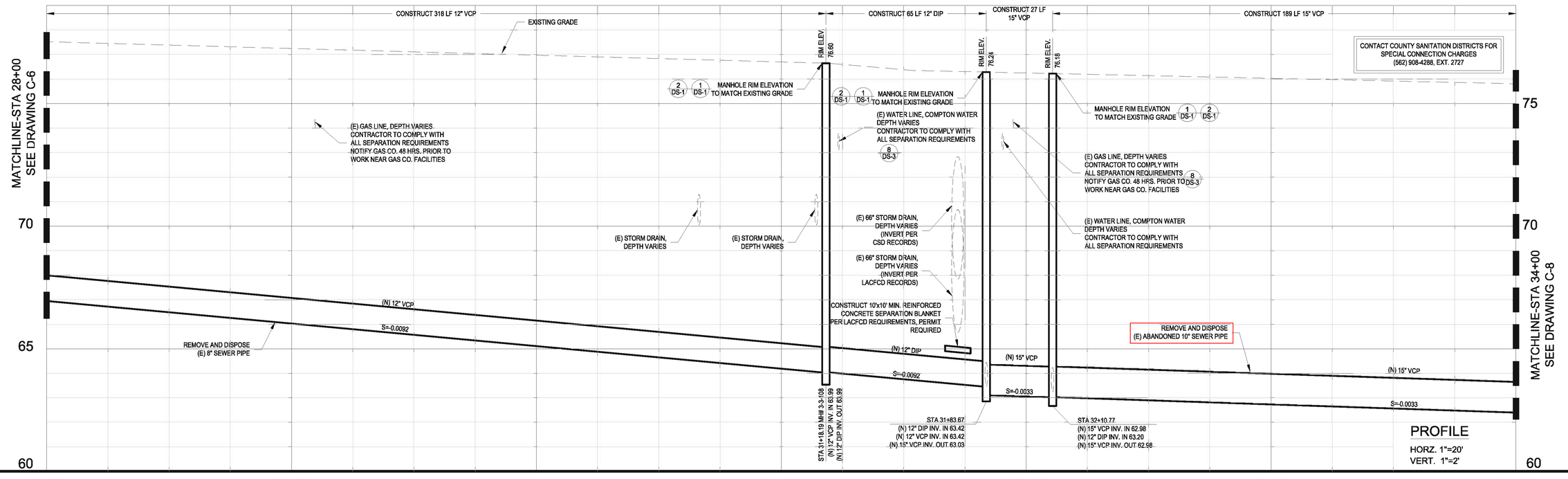
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 22+00 TO 28+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-6
SHEET 09 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\Dwg\CIP 10-18 COMPTON AND WILMINGTON SEWER\ut_120S-SHT09-DE.dwg 01/04/16 11:17am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

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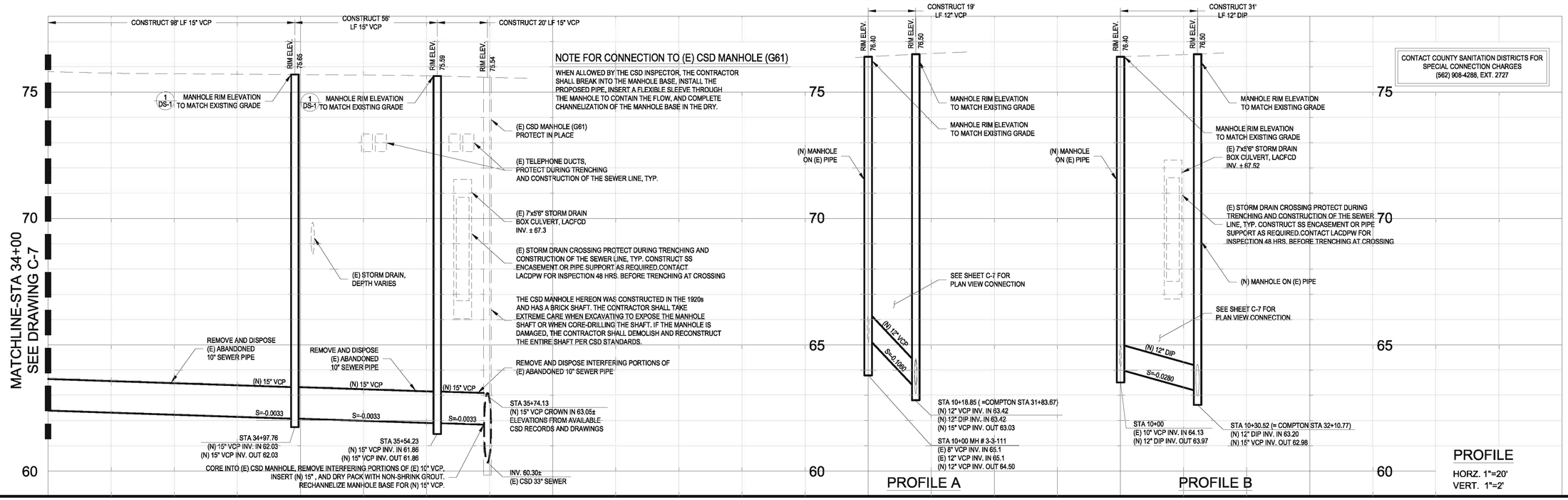
DATE: 3/22/11

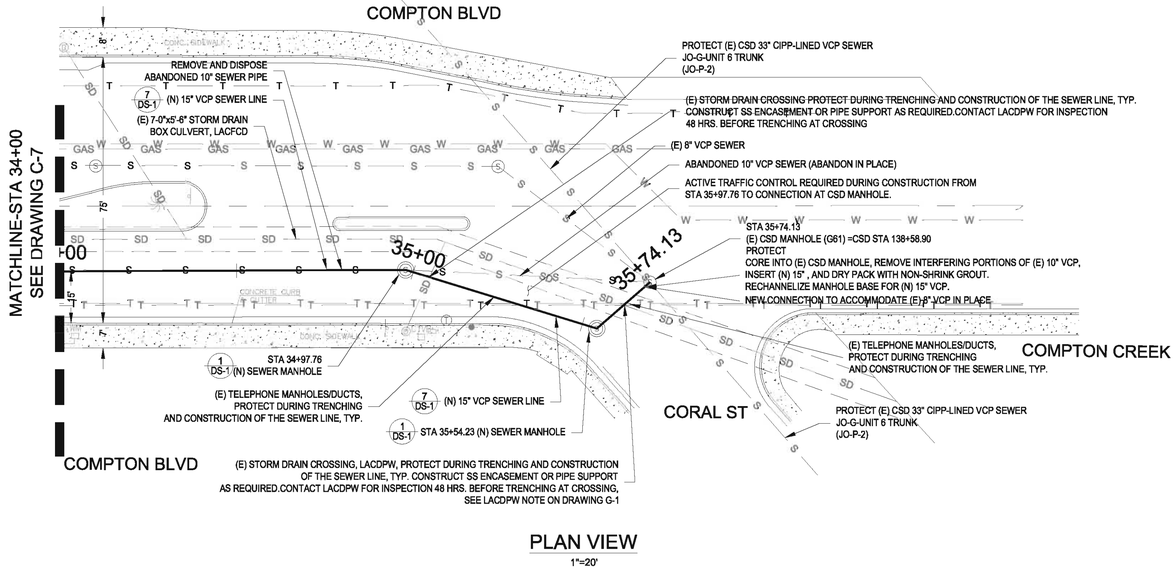
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 28+00 TO 34+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-7
SHEET 10 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STA(C).vsx 1205-SHT10-C7.dwg 07/07/16 11:18am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



PLAN VIEW
1"=20'

NOTE FOR CONNECTION TO (E) CSD MANHOLE (G61)

WHEN ALLOWED BY THE CSD INSPECTOR, THE CONTRACTOR SHALL BREAK INTO THE MANHOLE BASE, INSTALL THE PROPOSED PIPE, INSERT A FLEXIBLE SLEEVE THROUGH THE MANHOLE TO CONTAIN THE FLOW, AND COMPLETE CHANNELIZATION OF THE MANHOLE BASE IN THE DRY.

NOTES

1. ALL LATERALS SHALL BE CUT BACK A SUFFICIENT DISTANCE TO ALLOW RECONNECTION WITHOUT ADDITIONAL BENDS. IF LATERAL IS DEFICIENT, REMOVE AND REPLACE IT WITH NO ADDITIONAL COST TO THE CITY.
2. CONTRACTOR TO PROVIDE SEWER BYPASS SYSTEM DURING CONSTRUCTION TO KEEP ALL OCCUPANTS IN SERVICE. ANY FLOW BYPASS SYSTEM INVOLVING CSD MANHOLES SHALL BE IN ACCORDANCE WITH SECTION 500-1.1.7 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY CSD.
3. CONTRACTOR TO PROVIDE TEMPORARY WATER SERVICE HIGHLINE TO ALL OCCUPANTS WHERE WATER SERVICE MAY BE INTERRUPTED.
4. FIELD VERIFY LOCATION OF EACH LATERAL AT EACH PROPERTY PRIOR TO BEGINNING CONSTRUCTION.
5. WATER SERVICES REFERENCED FROM WATER METERS.
6. CONTRACTOR MAY ADJUST THE PIPE HORIZONTAL OR VERTICAL ALIGNMENT TO MAINTAIN ADEQUATE SEPARATION BETWEEN WATER AND SEWER LINE WITH NO ADDITIONAL COST TO THE CITY.
7. EXISTING MANHOLE SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
8. CONTRACTOR SHALL POTHOLE TO VERIFY LOCATION AND DEPTH OF ALL UTILITY CROSSINGS PRIOR TO PROCUREMENT OF MATERIALS OR COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

0 10 20 40 60
1"=20'

Underground Service Alert
CALL: TOLL FREE
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TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

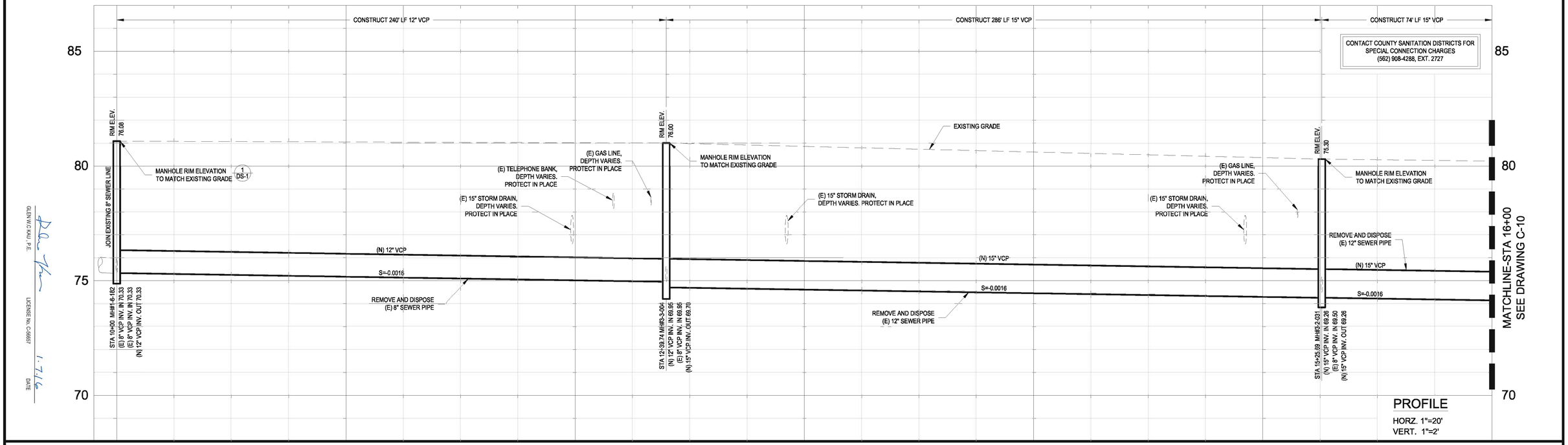
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 34+00 TO 35+74.13

DRAWING No. **C-8**

SHEET 11 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 proj CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\A_VA 120S-SHT11-C8.dwg 01/04/16 11:19am



PLAN VIEW
1"=20'

NOTES

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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

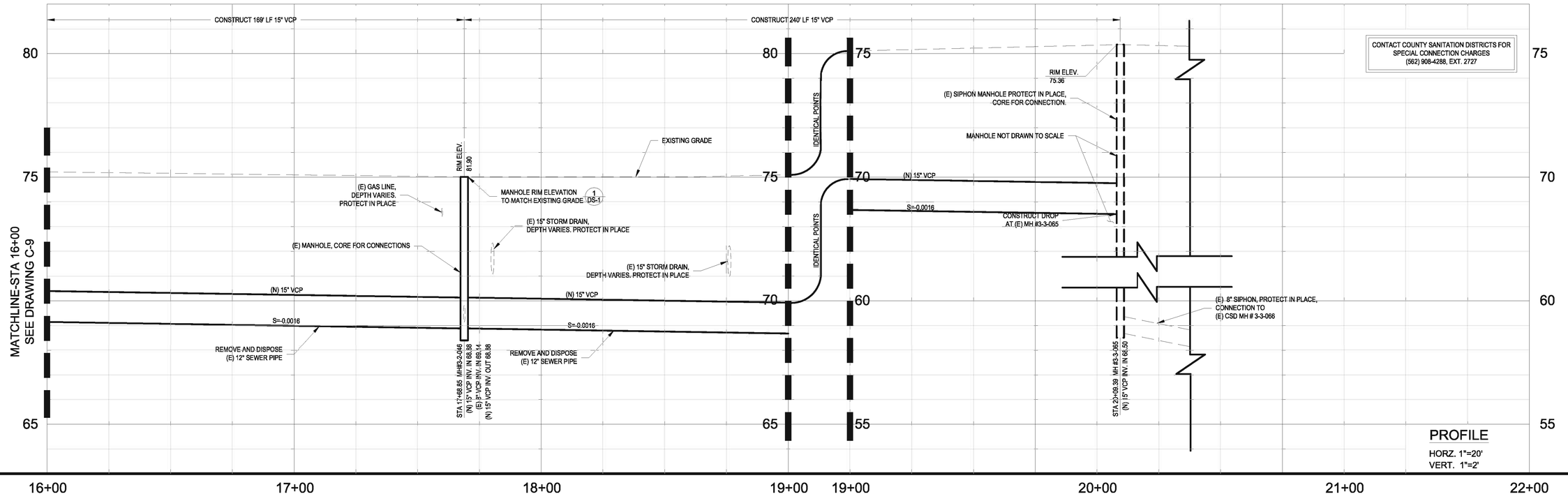
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

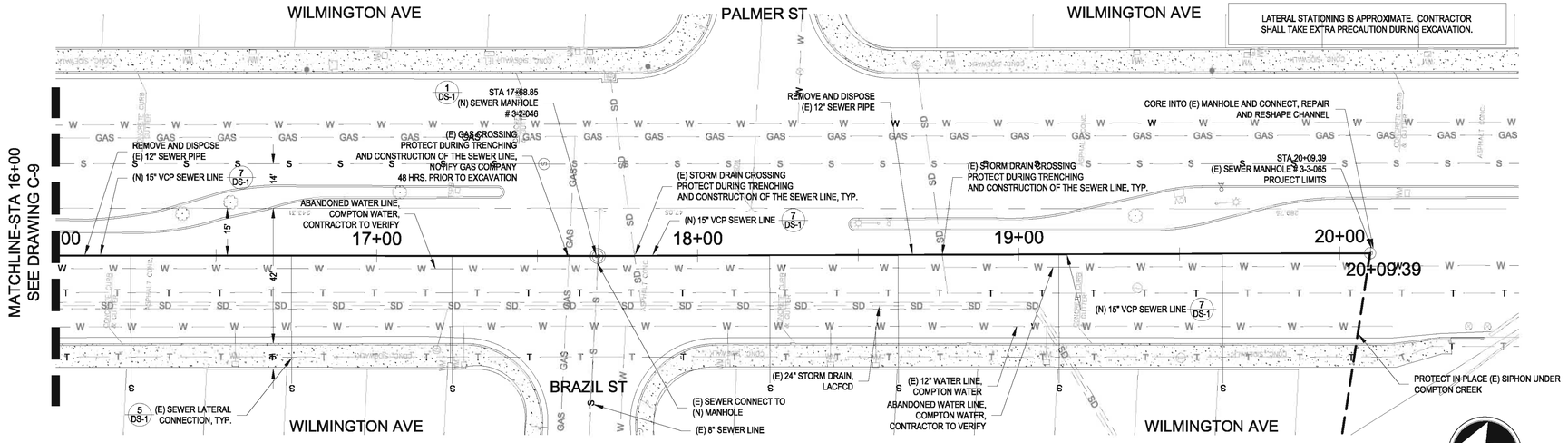
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-9
SHEET 12 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\sh 12OS-SH12-c9.dwg 01/04/16 11:22am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



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0 10 20 40 60
1"=20'

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PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

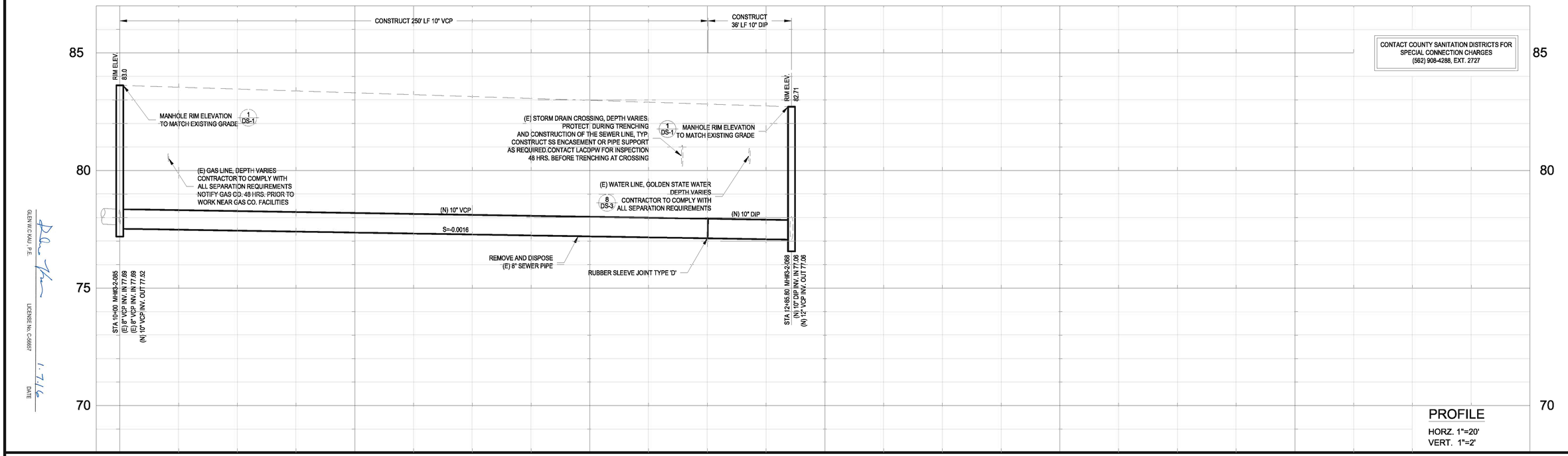
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

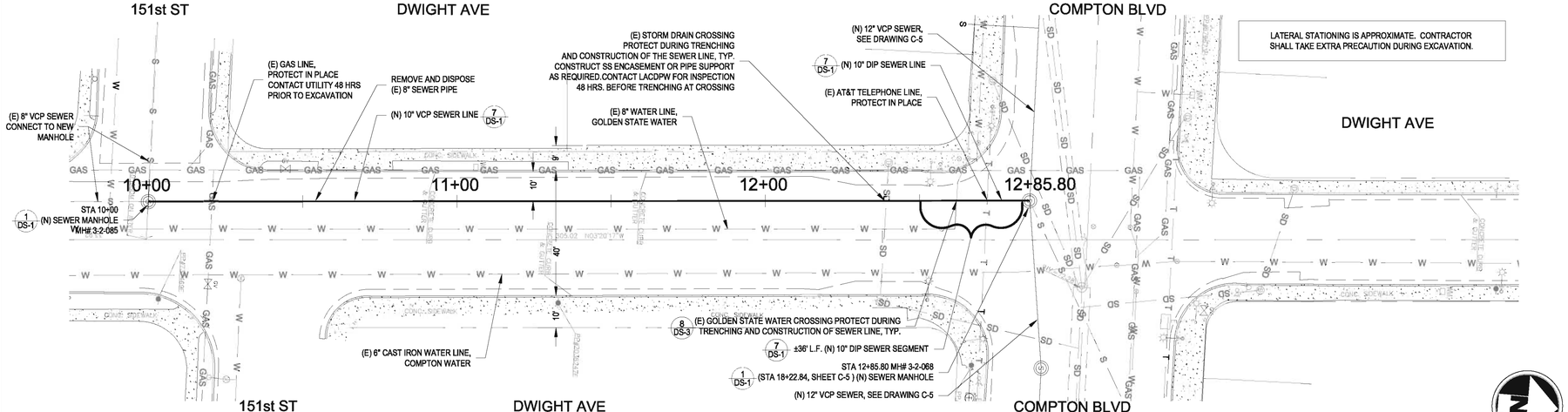
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 16+00 TO 20+09.39

DRAWING No. **C-10**

SHEET 13 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AVE WILMINGTON SEWER_VA 120S-SHT13-C10.dwg 01/04/16 11:23am





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0 10 20 40 60
1"=20'

GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

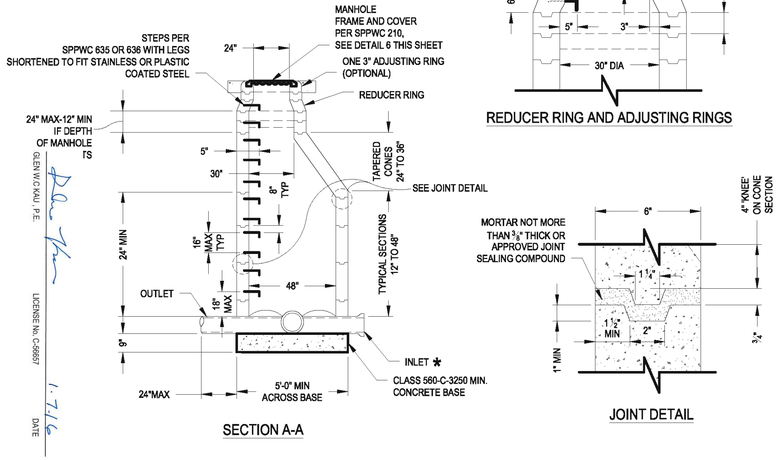
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

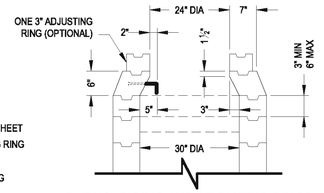
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
SO. DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 12+85.80

JOB No. CIP#10-18/JN120S
DRAWING No. C-11
SHEET 14 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\PLN 120S-SHT14-C11.dwg 01/04/16 11:25pm

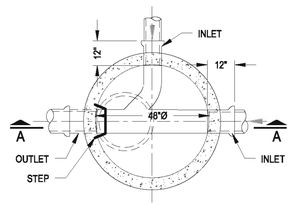


SECTION A-A



REDUCER RING AND ADJUSTING RINGS

JOINT DETAIL



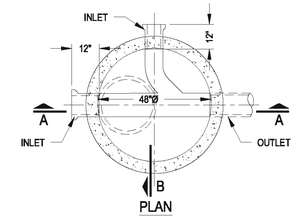
PLAN

NOTES:

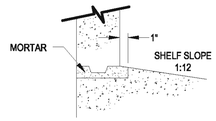
1. SHELF FORMED IN PLACE TO FORM SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED LINED MANHOLES TO BE PROVIDED/ REPAIRED PER STANDARDS FOR LINING (PVC OR EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. STEPS PER SPPWC 636 (NOTE 2, STANDARD PLAN 200-3) STAINLESS OR PLASTIC COATED STEEL APPROVAL SUBMITTAL REQUIRED.
7. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND/ OR DEPARTMENT OF PUBLIC WORKS.
8. MANHOLE COVER CENTERED OVER PRIMARY OUTLET.
9. CONCRETE FOR ALL PRECAST UNITS SHALL BE COMPACTLY VIBRATED IN THE FORMS. IT SHALL BE CURED ACCORDING TO THE APPROVED PRACTICE (STEAM, SPRINKLING, MEMBRANE SOLUTION, OR A COMBINATIONS OF THOSE) MINIMUM 28 DAYS STRENGTH SHALL BE 3500 PSI.
10. STEPS SHALL BE INSTALLED ON TOP OF OUTLET PIPE AS SHOWN ON DETAIL 1.

✱ . FOR CONNECTION TO EXISTING SEWER LINE, CUT EXISTING LINE AND JOIN TO INLET STUB BY STAINLESS STEEL REPAIR CLAMP STYLE LSS1 OR LSS2 BY ROMAC OR EQUAL.

1 DS-1 PRECAST CONCRETE SEWER MANHOLE
NOT TO SCALE



PLAN



SECTION B

NOTES:

1. SHELF FORMED IN PLACE TO PROVIDE SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED, LINED MANHOLES TO BE PROVIDED, REPAIRED PER STANDARDS FOR LINING (PVC EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND DEPARTMENT OF PUBLIC WORKS.
7. STEPS STAINLESS STEEL OR PLASTIC COATED STEEL. APPROVAL SUBMITTAL REQUIRED.
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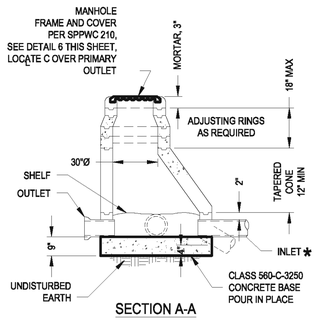
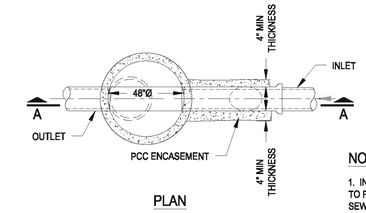
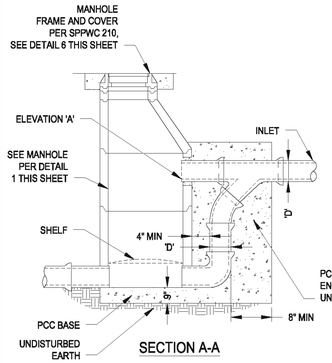


SECTION A-A

3 DS-1 PRECAST CONCRETE SHALLOW MANHOLE
NOT TO SCALE



PLAN

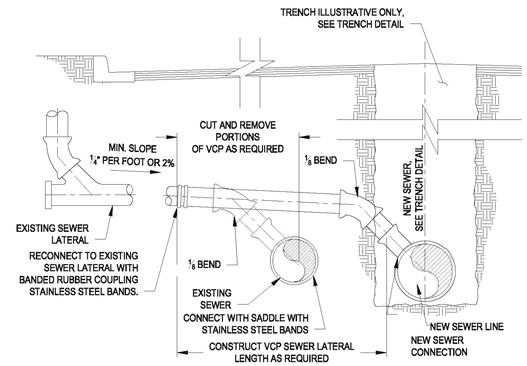


SECTION A-A

NOTES:

1. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
2. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.
3. CONCRETE FOR DROP SECTIONS TO BE FORMED.
4. PENETRATIONS INTO MANHOLES TO BE MADE BY CORE DRILL.
5. LINED MANHOLES TO BE REPAIRED PER STANDARDS FOR LINING (PVC 6" TURNBACK)(APPLIED COATING-RECOAT SUFFICIENT AREA TO ACHIEVE PERMANENT BOND). HOLIDAY TESTING REQUIRED.
6. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS ON SHELF TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY TO SEWER PIPE.
7. PCC CONCRETE TO BE 560-C-3250 MINIMUM, FOR SHORTENED CURE TIME CONCRETE TO BE 600-C-3000 MINIMUM.
8. DETAIL TO BE USED FOR JOINING (E) MANHOLE WHERE DROP REQUIRED.

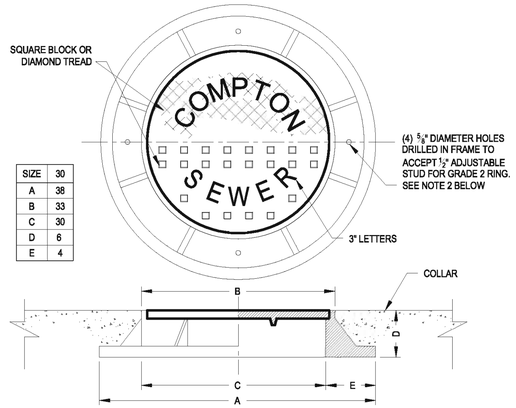
4 DS-1 DROP SEWER MANHOLE
NOT TO SCALE



NOTES:

1. CONTRACTOR TO VERIFY SIZE AND CONDITION OF EXISTING LATERAL. RECONSTRUCTION TO MATCH EXISTING.
2. CONTRACTOR SHALL FIELD LOCATE AND MARK ALL LATERALS PRIOR TO BEGINNING CONSTRUCTION.
3. LATERALS SHALL BE EXTRA STRENGTH VCP.

5 DS-1 SEWER LATERAL CONNECTION
NOT TO SCALE



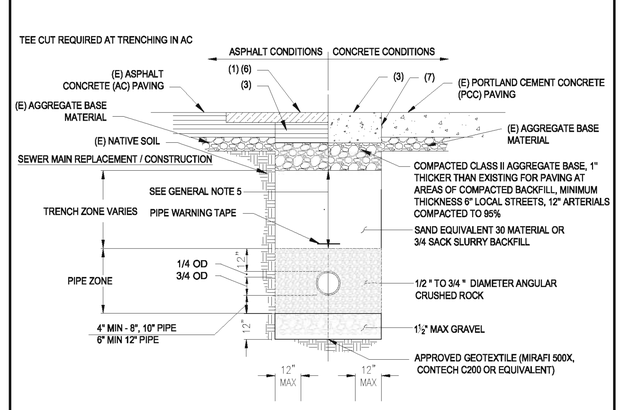
SIZE	30
A	38
B	33
C	30
D	6
E	4

SIZE	ALHAMBRA FOUNDRY	NEENAH FOUNDRY	SOUTH BAY FOUNDRY	PONT-A-MOUSSON
30"	A-1252-5	R-1582	SBF 1252-6	CLASS 400

NOTES:

1. 48" STANDARD "A" AND SHALLOW MANHOLES (DETAILS 1, 2, 3) SHALL HAVE 30" COVERS.
2. FOR FRAMES AND COVER IN EASEMENTS, ALLEYS, PARKWAYS, AND UNIMPROVED AREA INSTALL 4 - ½" INSERTS FOR LOCK DOWN STUDS IN TOP GRADE RING ALIGNED WITH FRAME. FRAME BOLTED TO GRADE RING. FINISH ELEVATION AS SHOWN IN SPPWC.
3. INSTALLATION OF GRADE RINGS, SEE DETAIL 1.
4. ADJUST MANHOLE FRAME AND COVER (WITH COLLAR) TO FINAL PAVING GRADE.
5. SHAFT LOCATIONS: CENTERED AT OUTLET SIDE
6. COVER TO BE COATED IN PLACE WITH BITUMINOUS MATERIAL AFTER INSTALLATION.
7. FOR SHORTENED CURE TIME, CONCRETE TO BE 600-C-3000 MIN./ LOW SLUMP.

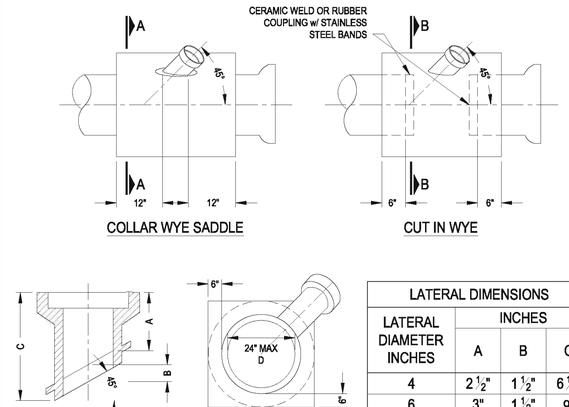
6 DS-1 TRAFFIC MANHOLE FRAME & COVER
NOT TO SCALE



NOTES:

1. GRIND EXISTING PAVEMENT TO 0.15 FT. DEPTH A MINIMUM OF ONE FOOT BEYOND LIMITS OF TRENCH. (TEE CUT)
2. BEDDING 'A' SHALL BE COMPOSED OF SAND, HAVING A CERTIFIED SAND EQUIVALENT OF NOT LESS THAN 30, CONFORM TO THE SAND GRADATION TABLE HEREIN AND SHALL BE COMPACTED TO 90% OF MAX. DENSITY.
3. REPLACEMENT ASPHALT CONCRETE OR CONCRETE SECTIONS SHALL BE PER CITY OF COMPTON STANDARDS WITH AC OR PCC THICKNESS MINIMUM OF ONE INCH GREATER THAN EXISTING. PCC SHALL BE CLASS 520-C-2500. AC SHALL BE PER BID DOCUMENTS. AC MINIMUM 4" IN LOCAL STREETS, MINIMUM 8" IN ARTERIALS. MINIMUM PCC PAVING 6".
4. BEDDING 'B' SHALL BE COMPOSED OF SAND OR OTHER GRANULAR MATERIAL INSTALLED TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BEDDING 'B' SHALL BE COMPACTED TO A RELATIVE DENSITY OF NOT LESS THAN 90%.
5. BACKFILL SHALL BE PER SECTION 217 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BACKFILL ABOVE PIPE ZONE FOR WATER MAINS SHALL BE ¾ SACK SLURRY.
6. IF TRENCH IS WITHIN 4 FEET OF CURB OR GUTTER, GRIND PAVING 0.15' TO EDGE OF PCC OR REMOVE AND REPLACE AC TO EDGE OF PCC GUTTER/ CURB, AC TO BE REPLACED TO A SMOOTH JOIN WITH EXISTING, MAXIMUM ¼" / 10' DEVIATION FROM TRUE.
7. EXISTING PAVEMENT SHALL BE SAWCUT TO CLEAN STRAIGHT LINES IN A RECTANGULAR PATTERN PRIOR TO REMOVAL. PCC SURFACES TO BE JOINED WITH NEW PCC SHALL BE STRAIGHT AND TRUE AND PREPARED WITH CONCRETE BONDING MATERIAL APPROVED BY THE ENGINEER.

7 DS-1 TYPICAL TRENCH
NOT TO SCALE



COLLAR WYE SADDLE

CUT IN WYE

SECTION A-A
LATERAL DETAIL

SECTION B-B
CONC. ENCASEMENT

LATERAL DIAMETER INCHES	LATERAL DIMENSIONS INCHES A	B	C
4	2 ½"	1 ½"	6 ½"
6	3"	1 ½"	9"

NOTES:

1. HOLE FOR THE COLLAR WYE FOR SEWER SADDLE TO BE MADE WITH PURPOSE TAPPING TOOL. HOLE TO BE REAMED AND SANDED TO TRUE SHAPE AND NEAT MATING SURFACE FOR WYE.
2. SECURE WYE SADDLE WITH EPOXY APPROVED FOR JOINING VCP (ENGINEER APPROVAL REQUIRED).
3. AFTER INSPECTION AND ACCEPTANCE BY ENGINEER/ AGENCY REPRESENTATIVE SADDLE CONNECTION TO BE ENCASED WITH MINIMUM 6" CONCRETE (520-C-25000).
4. PROTECT EXISTING AGAINST ENTRY OF DEBRIS FROM CONNECTION. FAILURE TO PREVENT DEBRIS ENTRY REQUIRES SEWER REACH TO BE CLEANED AT CONTRACTOR EXPENSE.
5. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.

8 DS-1 SEWER WYE CONNECTION
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

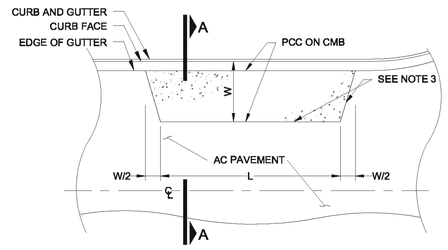
DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

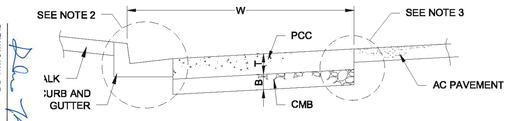
DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-1
SHEET 15 OF 17 SHEETS

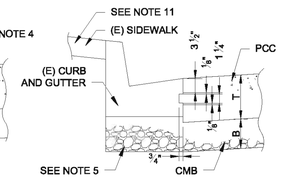
G:\CES PROJECTS\Compton_Sewer_CIP_10-18 and CIP 10-01\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWERS\DS1-DS1.dwg 10/04/16 1:25pm



TYPICAL BUS PAD

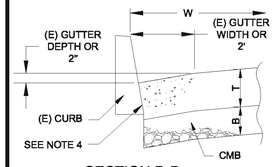


SECTION A-A

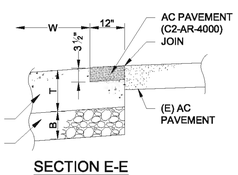


SECTION B-B

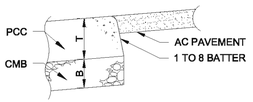
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

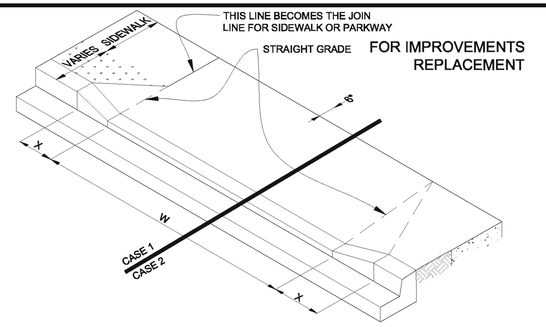
CONSTRUCTION NOTES:

1. DIMENSIONS: (UNLESS OTHERWISE SHOWN)
   L= 85' T= 8"
   W= 10' B= 6"
2. USE SECTION B-B FOR EXISTING CURB AND GUTTER THAT IS TO REMAIN
   USE SECTION C-C FOR NEW CURB AND GUTTER
   USE SECTION D-D FOR EXISTING CURB THAT IS TO REMAIN
3. USE SECTION E-E FOR EXISTING AC PAVEMENT
   USE SECTION F-F FOR NEW AC PAVEMENT
4. AT LOCATIONS WHERE PCC PAVEMENT WILL ABUT EXISTING CONCRETE, AN EPOXY APPROVED BY THE ENGINEER SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACES PRIOR TO CONCRETE PLACEMENT.
5. IF B+T EQUAL TO OR GREATER THAN 12", CMB SHALL EXTEND UNDER NEW CURB AND GUTTER.
6. CONSTRUCT LONGITUDINAL WEAKENED-PLANE JOINT TO MATCH ADJOINING EXISTING GUTTER WIDTH, OR 2' IF NO ADJOINING GUTTER EXISTS.
7. USE 2"x4" HEADER TO FORM 3-½" STEP. TOP OF HEADER SHALL BE SET TO LINE AND GRADE.
8. ALL EXPOSED PCC CORNERS SHALL BE ROUNDED WITH A ½" RADIUS.
9. SURFACE OF CONCRETE SHALL HAVE A ROUGH TRANSVERSE BROOM FINISH.
10. WHERE DESIGNATED BY THE ENGINEER, UNDESIRABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH CMB.
11. WHERE NEW CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING SIDEWALK, SIDEWALK SHALL BE REMOVED AND REPLACED TO NEAREST SCORELINE.
12. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT APPROXIMATELY 10' INTERVALS.
13. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT ALL EXISTING CURB/ CURB AND GUTTER CONSTRUCTION JOINTS AND WEAKENED-PLANE JOINTS.
14. AT THE OPTION OF THE ENGINEER, THE EXISTING PAVEMENT MAY BE NEATLY SAWCUT AROUND THE DIMENSIONS OF THE BUS PAD, AND CONCRETE POURED DIRECTLY USING THE EXISTING PAVEMENT AS A FORM. THE CONCRETE EDGES SHALL BE ROUNDED WITH A ½" RADIUS.
15. CONFIRM CONSTRUCTION DETAILS AND REQUEST INSPECTION FROM TRANSIT AGENCY PRIOR TO TAKING PAD OR BUS STOP OUT OF SERVICE AND DURING CONSTRUCTION AS REQUIRED BY AGENCY.

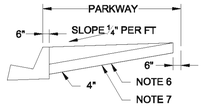
CONCRETE: MIN. CLASS 520-C-2500

5 DS-2 CONCRETE BUS PAD
NOT TO SCALE

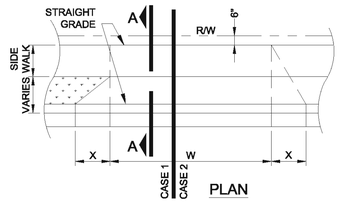
CITY OF COMPTON



FOR IMPROVEMENTS
REPLACEMENT



SECTION A-A



PLAN

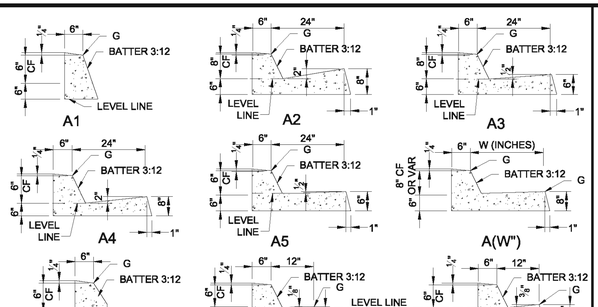
NOTES:

1. W=20' MAXIMUM WIDTH UNLESS OTHERWISE APPROVED BY DIRECTOR OF TRANSPORTATION
2. CASE 1 MAY BE USED FOR PARKWAYS LESS THAN 10 FEET
3. X= 4' WHEN CURB FACE IS 8"
4. X= 3' WHEN CURB FACE IS 6"
5. NO OBSTRUCTIONS WITHIN 2' OF TOP OF "X"
6. SEE COMPTON MUNICIPAL CODE, CHAPTER 20-22, PERMIT ORDINANCE FOR OTHER RESTRICTIONS
7. 4" MIN. CAB OR SELECT SUBBASE WITH EXPANSION LESS THAN 3% BY SOIL TEST

CONCRETE: MIN. CLASS 520-C-2500

2 DS-2 RESIDENTIAL DRIVEWAY CASE 1 & 2
NOT TO SCALE

CITY OF COMPTON



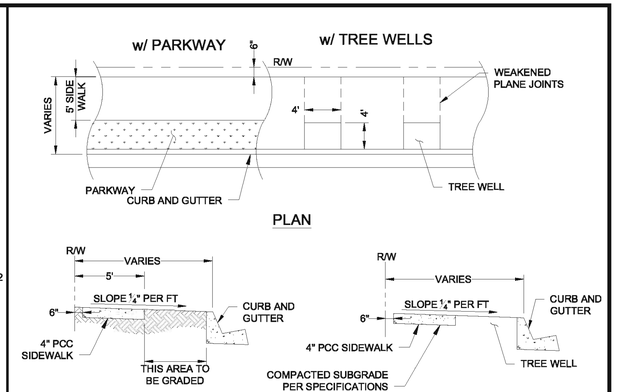
NOTES:

1. TYPE A,C BARRIER CURB
2. TYPE B,D MEDIAN CURB
3. G DESIGNATES GRADE LINE AND/ OR OFFSET POINT
4. W" DESIGNATES WIDTH OF GUTTER
5. h DESIGNATES HEIGHT OF TYPE C AND D ASPHALT CONCRETE CURB
6. TYPES C AND D ARE CONSTRUCTED OF ASPHALTIC CONCRETE (E-AR8000)
7. TYPES A,B,F ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE
8. ALL EXPOSED CORNERS ON PCC CURBS & GUTTERS TO BE ROUNDED WITH A ¾" R

CONCRETE: MIN. CLASS 520-C-2500

3 DS-2 CURB & GUTTER
NOT TO SCALE

FOR IMPROVEMENTS
REPLACEMENT



PARKWAY SECTION

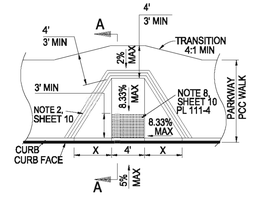
TREE WELL SECTION

NOTES:

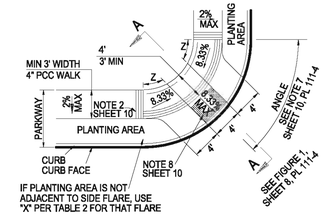
1. WEAKENED PLANE JOINTS TO BE 20' ON CENTER
2. SCORE LINES TO BE 5' ON CENTER
3. TREE WELLS SHALL BE SPACED APPROXIMATELY 50' FEET APART, BUT NOT LESS THAT 1 WELL PER RESIDENTIAL LOT
4. LOCATION OF TREE WELLS WILL BE SUBJECT TO THE FOLLOWING CONDITIONS:
   A. 50' FROM BCR ON THE APPROACH TO AN INTERSECTION AND 15' FROM THE ECR ON THE EXIT SIDE
   B. 20' FROM LIGHT STANDARDS
   C. 10' FROM FIRE HYDRANTS AND DRIVEWAYS
   D. 5' FROM HOUSE WALLS AND UTILITY METERS
5. TREE WELLS ARE TO BE BACKFILLED WITH CLEAN DIRT AND FLUSH WITH ADJACENT WALK UNTIL TREES ARE PLANTED
6. WEAKENED PLANE JOINTS TO BE 20' ON CENTER

CONCRETE: MIN. CLASS 520-C-2500

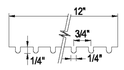
4 DS-2 SIDEWALK WITH TREE WELLS
NOT TO SCALE



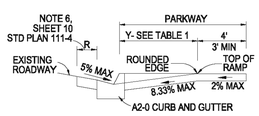
TYPE 1
CASE A



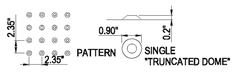
TYPE 6
CASE A



GROOVING DETAIL



SECTION A-A

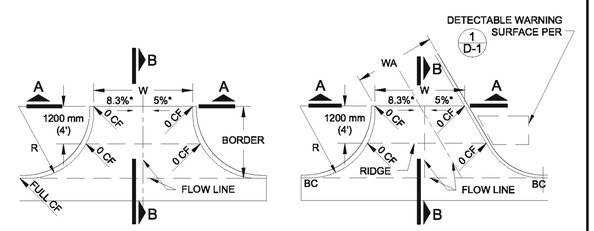


DETECTABLE WARNING DETAIL

NOTES:

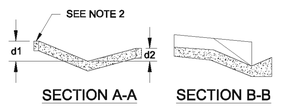
1. CONCRETE SHALL BE CLASS 520-C-2500 CONFORMING TO SPPWC 201-1.1.2 AND SHALL BE MINIMUM 4" THICK.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH ¼" GROOVES APPROXIMATELY ¾" OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS AND COLOR SHALL BE AS REQUIRED BY THE CITY AND BY THE ADA REQUIREMENTS:
   A. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN, A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
   B. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
5. CURB RAMP DETAILS, STANDARD PLAN 111-4, SHEETS 1 THRU 10, FROM THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION ARE BY REFERENCE MADE A PART OF THESE CURB RAMP DETAILS.
6. THE CASE AND TYPE REQUIRED FOR THE SPECIFIC LOCATION SHALL BE SELECTED FROM THE DETAILS SHOWN IN THE SPPWC AND THE REQUIREMENTS AND DETAILS SHOWN SHALL BE APPLIED. TYPE 1 AND TYPE 6 SHOWN ARE EXAMPLES ONLY, WORK SHALL COMPLY WITH THE COMPLETE DETAIL REQUIREMENTS IN THE SPPWC AND ADA.
7. REFERENCES ARE TO SPPWC PLAN 111-4 INCLUDING NOTES & TABLES.

6 DS-2 CURB RAMP
NOT TO SCALE



STANDARD APPROACH

ANGLE APPROACH



SECTION A-A

SECTION B-B

W mm	2400 (8')	3000 (10')	4500 (15')	6000 (20')	7500 (25')	9000 (30')
d1,mm MAX	100 (0.33')	125 (0.42')	188 (0.63')	250 (0.83')	313 (1.04')	375 (1.25')
d2, mm MIN	50 (0.17')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')

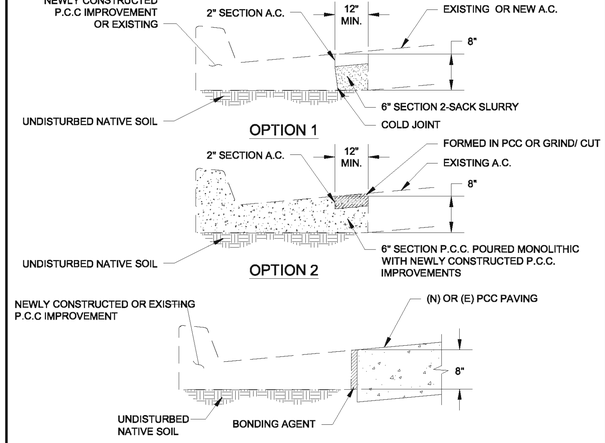
NOTES:

1. THE RADIUS OF CURB RETURN, R, IS EQUAL TO THE PARKWAY WIDTH.
2. ALLEY APPROACH SHALL BE PCC, CLASS 310-C-17 (520-C-2500), 150 MM (6") THICK.
3. ASTERISKS, *, SHOW MAXIMUM GRADES.
4. APPROACHES PER SPPWC.
5. MINIMUM 6" CAB UNDER CONCRETE, MINIMUM CONCRETE THICKNESS 6".

TYPE REPAIR - SAWCUT BONDING AGENT,
1/2" DOWELS AT 24" ALONG JOINT,
MIN. 6" PCC ON 8" CAB COMPACTED TO 95%.

7 DS-2 ALLEY APPROACH
NOT TO SCALE

CONCRETE: MIN. CLASS 520-C-2500



NOTES:

1. CONCRETE MIN 520-C-2500
2. 2" A.C. SECTION SHALL UTILIZE D1-AR-4000, 3/8" COURSE MAXIMUM.C. MIX
3. EXISTING A.C. SHALL BE SAWCUT TO PROVIDE A CLEAN JOINT LINE TO THE SATISFACTION OF THE INSPECTOR
4. THE INSPECTOR MAY REQUIRE ADDITIONAL EXISTING A.C. TO BE REPLACED TO PREVENT JOINING TO DISTRESSED PAVEMENT
5. BONDING AGENT APPROVED BY ENGINEER
6. CONTRACTOR HAS THE OPTION OF METHOD #1 OR #2 FOR AC / PCC JOIN

8 DS-2 PAVING - JOIN AT NEW OR EXISTING CONCRETE
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. KRAUSE
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
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(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

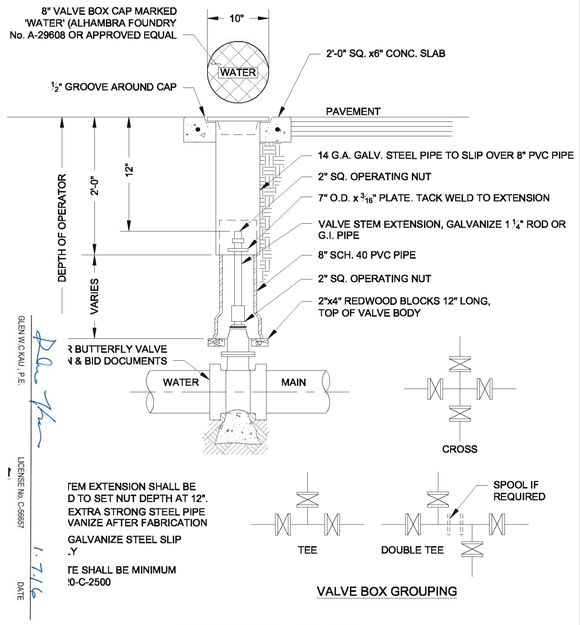
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

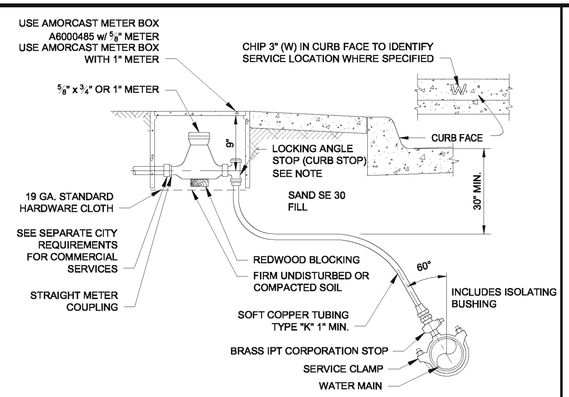
JOB No. CIP#10-18/JN120S
DRAWING No. DS-2
SHEET 16 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS2-CT6.dwg 07/09/16 11:26am



1 DS-3 VALVE BOX REPLACEMENT
NOT TO SCALE

CITY OF COMPTON



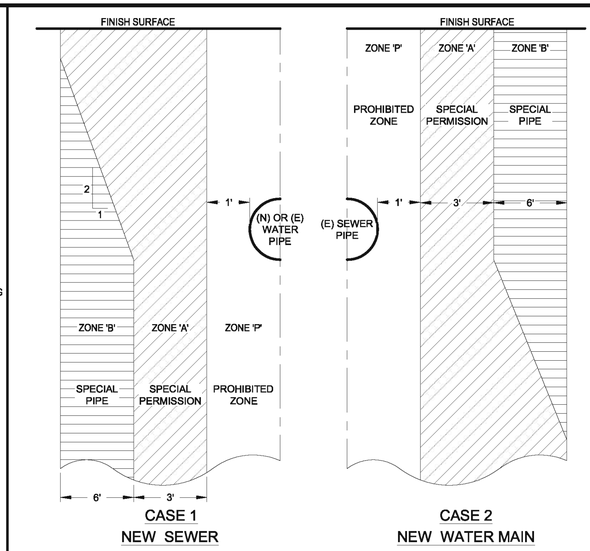
METER VALVE SIZE	CORP STOP VALVE SIZE	MIN. SIZE TUBING	MIN. RADIUS TUBING BEND	METER BOX
3/4"	1"	1"	18"	10X17X12 ARMOR CAST 12X20X12
1"	1"	1"	18"	
1 ½"	1 ½"	1 ½"	COPPER ELBOW	PER CITY OF COMPTON WATER DEPARTMENT DETAILS
2"	2"	2"	COPPER ELBOW	

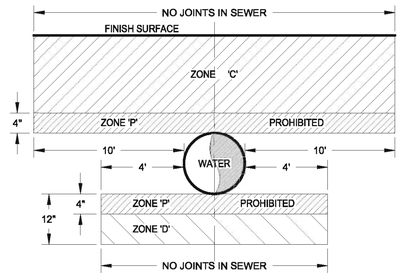
LOCKING ANGLE STOP (CURB STOP)			
MUELLER GROUND KEY ANGLE OR STRAIGHT STOP AS REQUIRED	P-14258 OR H-14255 FOR SIZES ¾" TO 1"	P-14277 1 ½" TO 2"	ALL WITH LOCK WING

NOTES:

1. REPLACE METER BOX IF DAMAGE
2. REPAIR COPPER USING SILVER PER WATER DEPT. SOLDER.
3. TEST & FLUSH BEFORE RETURN TO SERVICE.
4. ALL COMPONENTS SHALL BE LEAD FREE.

3 DS-3 WATER SERVICE
NOT TO SCALE





CASE 1
NEW SEWER CROSSING

NOTES:

1. HYDRANT SHALL BE PAINTED WITH 2 COATS OF ZINC CHROMATE PRIMER AND 2 FINISH COATS OF "SCHOOL BUS/CAUTION YELLOW" PAINT
2. RELOCATED HYDRANTS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH NOTE #1
3. CONCRETE SHALL BE MINIMUM CLASS 520-C-2500
4. FOR SHALLOW PIPE, USE FLANGE FITTINGS & FLANGE x MJ ELL (REQUIRED)
5. NEW & RELOCATED FIRE HYDRANT ASSEMBLY INCLUDES NEW TEE, VALVE, PIPE, FITTINGS, HYDRANT ASSEMBLY AND ALL IMPROVEMENTS INCLUDING TRENCH BACKFILL, PAVING IMPROVEMENTS AND RESTORATION, COMPLETE TESTED IN PLACE AND OPERATIONAL.
6. VALVE TO BE WITHIN 25 FEET OF FIRE HYDRANT.
7. FURNISH AND INSTALL BREAK-OFF CHECK VALVE FOR EACH PROPOSED HYDRANT.

5 D-3 FIRE HYDRANT
NOT TO SCALE

SIGNAGE COPY TO BE SUPPLIED BY OWNER.
QUANTITY AS SPECIFIED OR AS SHOWN.
LOCATIONS AND ORIENTATION AS DIRECTED.
MAINTAIN SIGN IN PLACE PER BID DOCUMENTS

PER CALTRANS RSP T7, RS1-RS-3 / #27

6 DS-3 PROJECT SIGN
NOT TO SCALE

NEW SEWER PARALLEL TO WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED
ZONE 'A'	SEWER SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	SEWER PLACED IN THIS ZONE SHALL BE CONSTRUCTED OF DUCTILE IRON, WITH HOT BITUMINOUS COATING AND COMPRESSION JOINTS, EXTRA STRENGTH VCP WITH COMPRESSION JOINTS, PVC WITH RING JOINTS (ASTM D3034), HDPE (AWWA C906) FUSION WELDED, OR HDPE SPIRAL REINFORCED WITH GASKET JOINTS (ASTM F-894)

NEW SEWER CROSSING WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED (NO SEWER WITHIN 4" OF WATER)
ZONE 'C'	SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT BITUMINOUS COATING AND MECHANICAL JOINTS OR CLASS 200 (DR 14 PER AWWA C900) PVC PRESSURE PIPE NO JOINTS WITHIN 8 FT. OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	SEWER SHALL BE CONTINUOUS DUCTILE IRON WITH HOT BITUMINOUS COATING AND MECHANICAL JOINT, CLASS 200 PVC PRESSURE PIPE (DR 14 PER AWWA C900), HDPE FUSION JOINTS (AWWA C906) OR ANY SEWER MAIN IN A CONTINUOUS SLEEVE
ZONE 'D'	ALTERNATE - SEPARATE PIPES WITH TEN- FOOT BY TEN FOOT, FOUR INCH THICK REINFORCED CONCRETE SLAB CENTERED ON CROSSING

NEW WATER PARALLEL TO SEWER MAIN (CASE 2)

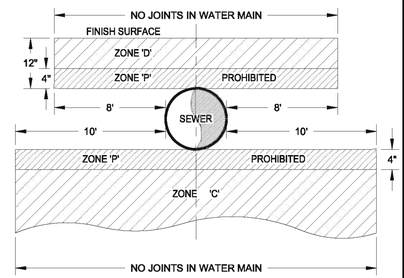
ZONE 'P'	PROHIBITED
ZONE 'A'	SPECIAL PERMISSION BY HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	PIPE SHALL BE DUCTILE IRON WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL, HDPE FUSION JOINT (AWWA C906), OR CLASS 200 PVC (DR 14 PER AWWA C900 AND C905)

NEW WATER MAIN CROSSING SEWER MAIN (CASE 2)

ZONE 'P'	PROHIBITED
ZONE 'C'	NO JOINTS IN WATER MAIN. PIPE DIPPED AND WRAPPED QUARTER WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE RATED OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	NO JOINTS WITHIN 8FT. OF SIDE OF SEWER AND BE DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE PIPE OR HDPE FUSION WELDED (AWWA C906)

NOTES:

1. THE DETAIL SHOWS CONSTRUCTION REQUIREMENTS FOR REDUCED SEPARATION OF NEW OR EXISTING WATER PIPES FROM NEW OR EXISTING SANITARY SEWERS. SEE DEPARTMENT OF HEALTH SERVICES (DOH'S) RULES FOR ADDITIONAL REQUIREMENTS AND PROXIMITY TO FORCE MAINS
2. SEWER LATERALS CROSSING UNDER WATER MAINS SHALL MAINTAIN 4" CLEARANCE
3. WATER SERVICES CROSSING SEWER MAINS SHALL NOT BE BELOW SEWER MAIN OR LATERAL
4. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL MATERIALS REQUIREMENTS (SOME ALTERNATIVE MATERIALS MAY NOT BE ALLOWED ON THIS PROJECT)
5. NEW WATER MAINS AND SEWERS SHALL BE TESTED WHERE THE PIPES ARE LOCATED TEN FEET PART OR LESS. DO NOT DISTURB EXISTING PIPELINES.
6. ALL WORK SHALL COMPLY WITH CALIFORNIA DEPARTMENT OF HEALTH SERVICES.



CASE 2
NEW WATER MAIN CROSSING

8 DS-3 PIPE SEPARATION
NOT TO SCALE

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-3
SHEET 17 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS3-C17.dwg 07/04/16 11:27:pm

INDEX MAP SHOWING SEWERS IN CITY OF COMPTON

Legend

- Compton Pipes
- Compton Manholes
- Trunk Pipes
- Trunk Manholes
- Parcels
- City Boundary

REVISED

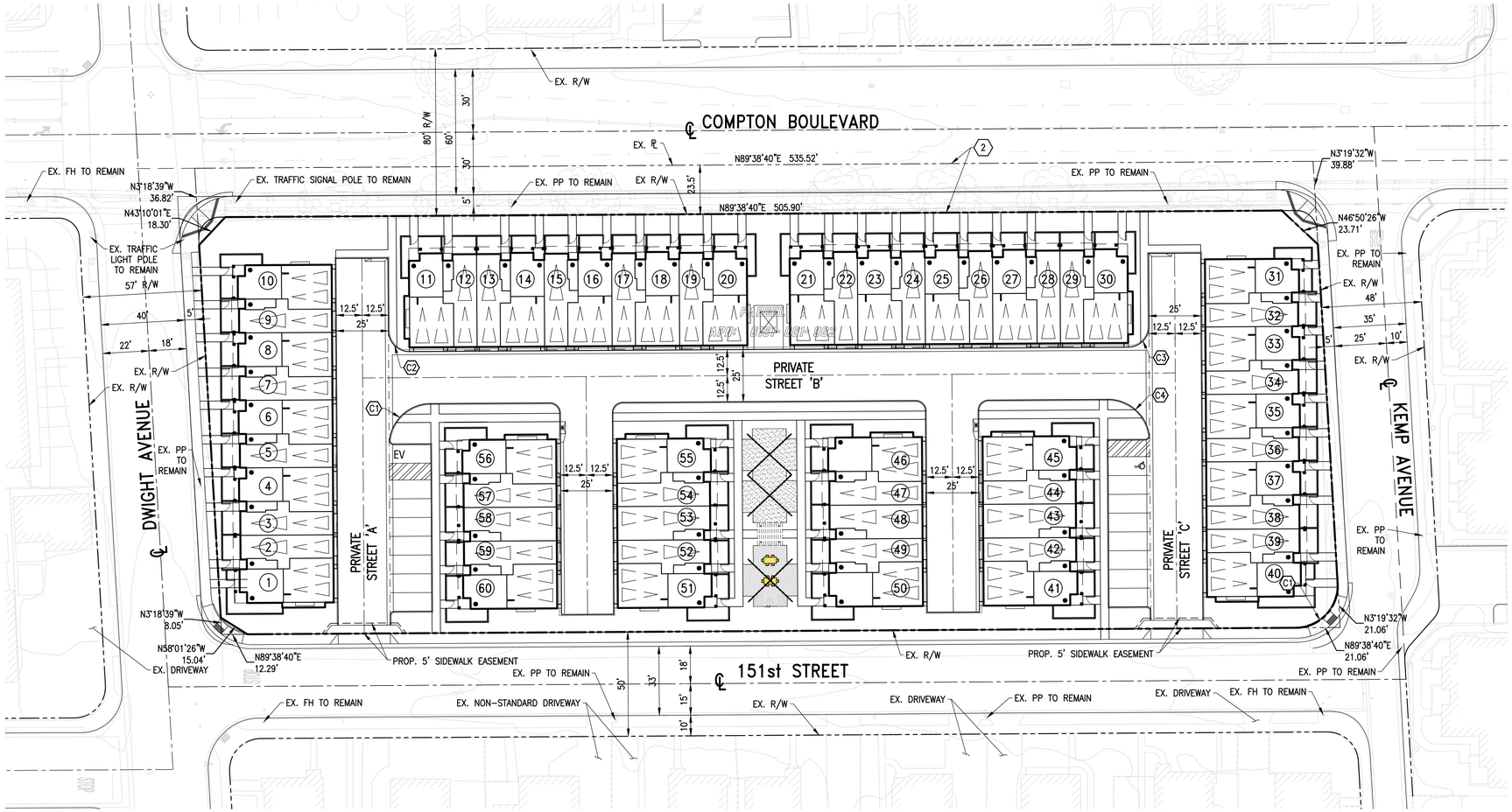
N

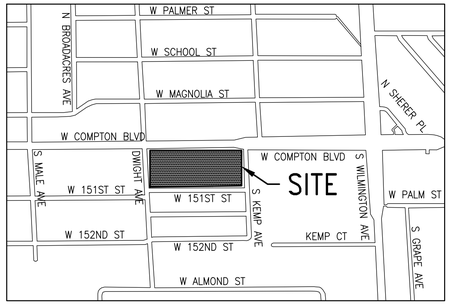
Appendix D

TENTATIVE TRACT MAP

(PROJECT SITE)

CITY OF COMPTON
TENTATIVE TRACT MAP No. 82807
FOR CONDOMINIUM PURPOSES
"CONCORD"





VICINITY MAP
N.T.S.

OWNER:

CITY VENTURES
3121 MICHELSON DR. SUITE 150
IRVINE, CA 92612
PHONE: (949) 258-7555

CIVIL ENGINEER:

C&V CONSULTING, INC.
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
PHONE: (949) 916-3800
CONTACT: DAVID TERRY

TITLE INFORMATION:

THE FOLLOWING TITLE INFORMATION WAS DERIVED FROM A PRELIMINARY TITLE REPORT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER NO.: 989-30024731-SC4 DATED JANUARY 22, 2019 AT 7:30 A.M.

# DENOTES PLOTTED ITEM.

(2) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO:	CITY OF COMPTON, A MUNICIPAL CORPORATION
PURPOSE:	PUBLIC STREET AND INCIDENTAL PURPOSES
RECORDING DATE:	AUGUST 27, 1959
RECORDING NO:	BOOK D585, PAGE 834 OF OFFICIAL RECORDS

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF COMPTON IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHERLY 223.5 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THE EASTERLY 70 FEET THEREOF.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF COMPTON, RECORDED OCTOBER 1, 1948 AS INSTRUMENT NO. 1844, IN BOOK 28405, PAGE 70 OF OFFICIAL RECORDS, AS TO PARCELS 1 AND 2 BELOW:

PARCEL 1:

THAT PORTION OF SAID LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT "G" (SAID NORTHERLY LINE BEARS NORTH 89° 58' 40 EAST), DISTANT THEREON 592.62 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF SAID LOT "G";

THENCE SOUTH 13° 19' 40" EAST, A DISTANCE OF 223.80 FEET;

THENCE SOUTH 89° 38' 40" WEST, A DISTANCE OF 30 FEET:

THENCE NORTH 13° 19' 40" WEST TO THE NORTHERLY LINE OF SAID LOT "G";

THENCE EASTERLY ALONG SAID NORTHERLY LINE OF SAID LOT "G" TO THE POINT OF BEGINNING TO BE KNOWN AS KEMP STREET.

PARCEL 2:

THE WESTERLY 27 FEET OF THE NORTHERLY 223.50 FEET TO THE NORTHWEST QUARTER OF LOT "G" OF TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TO BE KNOWN AS DWIGHT STREET.

EXCEPT THEREFROM ALL OIL, GAS, MINERAL AND HYDROCARBON SUBSTANCES LYING BEING A DEPTH OF 500 FEET FROM THE SURFACE OF SAID LAND, WITHOUT RIGHT OF SURFACE ENTRY, WHICH RIGHT IS RESERVED IN THE DEED FROM ROBERT L. HOROWITZ AND ELEANOR HOROWITZ, HIS WIFE, CLARENCE K. HOROWITZ AND ROSALIE H. HOROWITZ, HIS WIFE, AND FREDERICK G. HOROWITZ AND BARBARA J. HOROWITZ, HIS WIFE, RECORDED MARCH 3, 1970 AS INSTRUMENT NO. 215 OF OFFICIAL RECORDS.

APN(S): 6161-001-902

SHEET INDEX:

1 TENTATIVE MAP
2 CONCEPTUAL SITE PLAN
3 SECTIONS
4 CONCEPTUAL GRADING PLAN
5 CONCEPTUAL UTILITY PLAN

ABBREVIATIONS:

AC	ASPHALT CONCRETE
ASPH	ASPHALT
BLDG	BUILDING
CB	CATCH BASIN
CF	CURB FACE
℄	CENTER LINE
CO	CLEAN OUT
CONC	CONCRETE PAVEMENT
DW	DOMESTIC WATER
EX	EXISTING
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GV	GATE VALVE
INV	INVERT
LAT	LATERAL
MH	MANHOLE
NTS	NOT TO SCALE
OH-E	OVERHEAD POWERLINE
PP	POWER POLE
ℙ	PROPERTY LINE
PROP	PROPOSED
R	RISER
RCP	ROUNDED REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SS	SANITARY SEWER
SVC	SERVICE
S/W	SIDEWALK
ST LT	STREET LIGHT
TYP.	TYPICAL
WM	WATER METER

LEGEND:

- CENTERLINE
- EX. TRACT BOUNDARY/ RIGHT-OF-WAY LINE
- PROP. TRACT BOUNDARY / RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- EX. FENCE
- PROP. WALL
- (84) EX. CONTOUR LINE
- FIRE HYDRANT
- WATER VALVE
- EX. SEWER MANHOLE
- EX. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- PROP. BUILDING
- (17) LOT NUMBER

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA

FLOOD NOTE:

THE SUBJECT PROPERTY FALLS WITHIN "ZONE X – AREA OF MINIMAL FLOOD HAZARD" PER FEMA MAP NO. 06037C1815F, A PRINTED PANEL, EFFECTIVE SEPTEMBER 26, 2008

TOPOGRAPHY NOTE:

TOPOGRAPHY AND CONTOURS SHOWN HEREON ARE BASED ON 1' CONTOUR INTERVALS FROM AERIAL PHOTOGRAMETRY FLOWN BY C&V CONSULTING INC. ON 4/2/2019. THE RELATIVE POSITIONAL ACCURACY OF CALLED OUT IMPROVEMENTS SHOWN ON THE SURVEY IS WITHIN 0.1' OF THEIR ACTUAL LOCATIONS.

BENCHMARK STATEMENT:

LOS ANGELES COUNTY BENCHMARK NO. Y5878
ELEV: 99.944' (NAVD88 LEVELED 2005)
DESCRIBED AS: "L&T IN CB RET 4.3M(14FT) E/O BCR @ NW CORNER LONDRA BL & CENTRAL AVE"

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE BEARING OF WEST COMPTON AVENUE BEING NORTH 89°38'40" EAST AS SHOWN ON TRACT NO. 15223 FILED IN BOOK 331, PAGES 47 AND 48 OF MAPS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER.

ZONING INFORMATION

EXISTING GENERAL PLAN: MEDIUM DENSITY RESIDENTIAL
PROPOSED GENERAL PLAN: HIGH DENSITY RESIDENTIAL

EXISTING ZONING: CL – LIMITED COMMERCIAL AND P – PARKING
PROPOSED ZONING: CL – LIMITED COMMERCIAL

REQUIRED SETBACKS:
FRONT YARD – COMPTON BLVD: 15' TO BUILDING
STREET SIDE YARD – DWIGHT AVE: 5' TO BUILDING
STREET SIDE YARD – KEMP AVE: 5' TO BUILDING
REAR YARD – 151ST ST: 10' TO BUILDING

MINIMUM BUILDING SEPARATION: 8'

AREA SUMMARY:

107,051.35 SQ. FT. (2.457 AC) GROSS
106,726.73 SQ. FT. (2.450 AC) NET

DATE OF PREPARATION:

3/22/21

UTILITY PROVIDERS:

UTILITY	AGENCY	PHONE NUMBER
STORM DRAIN	CITY OF COMPTON	(310) 605-5505
SANITARY SEWER	REPUBLIC SERVICES	(800) 299-4898
WATER	COMPTON MUNICIPAL WATER DEPARTMENT	(310) 605-5524
ELECTRICITY	SOUTHERN CALIFORNIA EDISON	(800) 655-4555
TELEPHONE	AT&T	(800) 331-0500
GAS	SOCALGAS	(800) 427-2200
CATV	SPECTRUM	(866) 874-2389

SCALE: 1" = 30'
0 15 30 60

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
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F. 949.916.3805
CVC-INC.NET

"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 1 of 5

PROJ: CVEN-125
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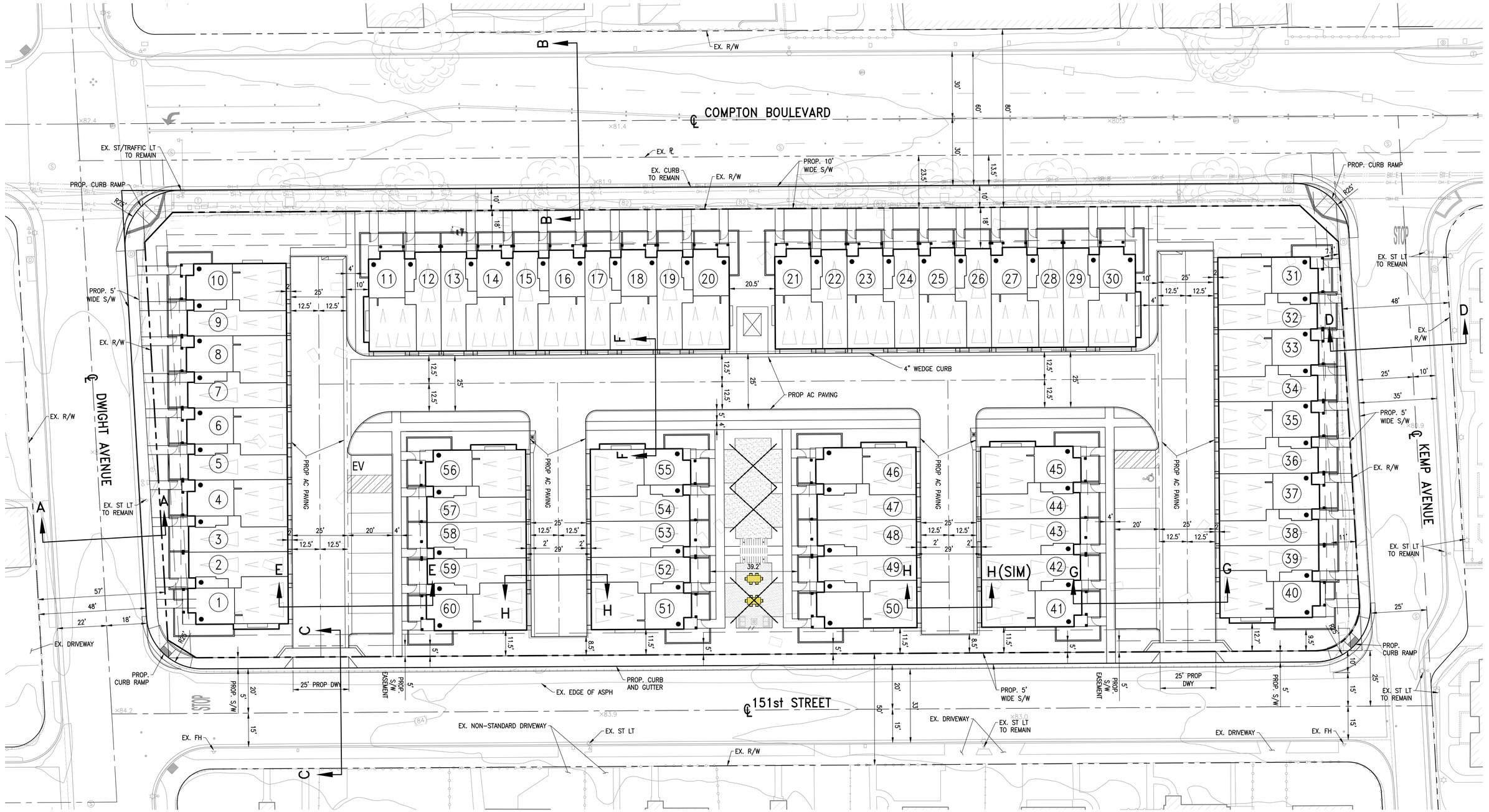
CITY OF COMPTON
CONCEPTUAL SITE PLAN



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SCALE: 1" = 20'
0 10 20 40

CONCEPTUAL SITE PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 2 of 5

PROJ: CVCN-125
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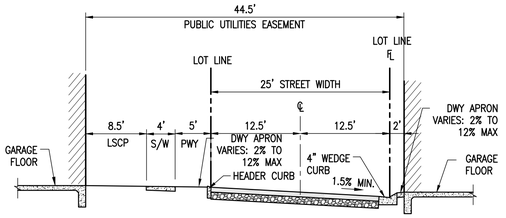
CITY OF COMPTON
STREET SECTIONS



SECTION 'F-F'
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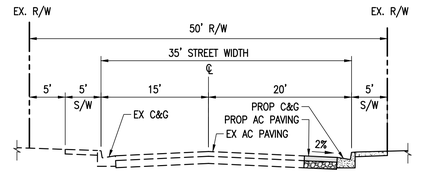

TYPICAL SECTION 'C-C'
151ST ST.
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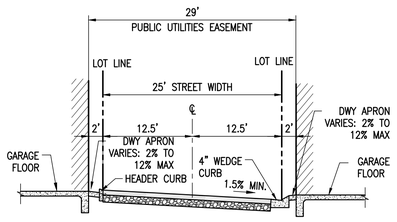

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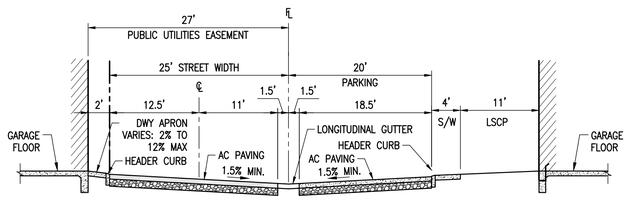

SECTION 'E-E'
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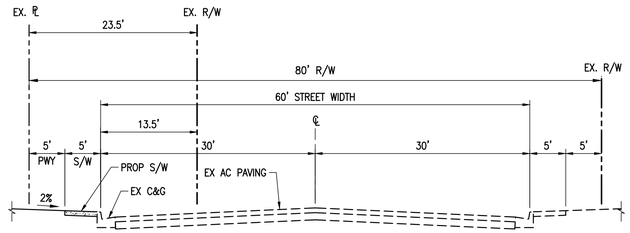

TYPICAL SECTION 'B-B'
COMPTON BLVD.
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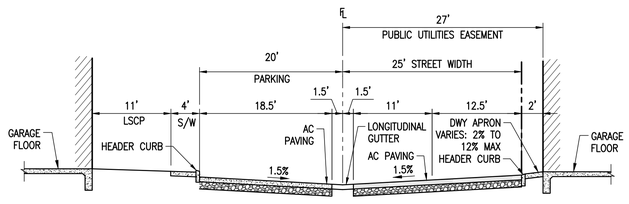

SECTION 'G-G'
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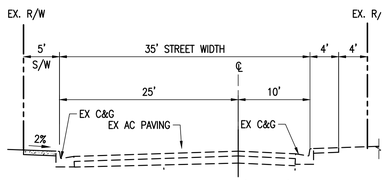

TYPICAL SECTION 'D-D'
KEMP AVE.
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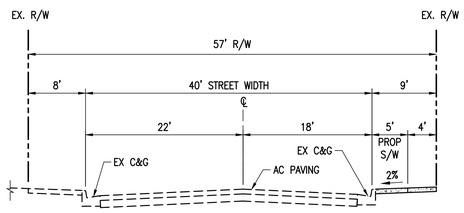

TPYICAL SECTION 'A-A'
DWIGHT AVE.
N.T.S.

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C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
T. 949.916.3800
F. 949.916.3805
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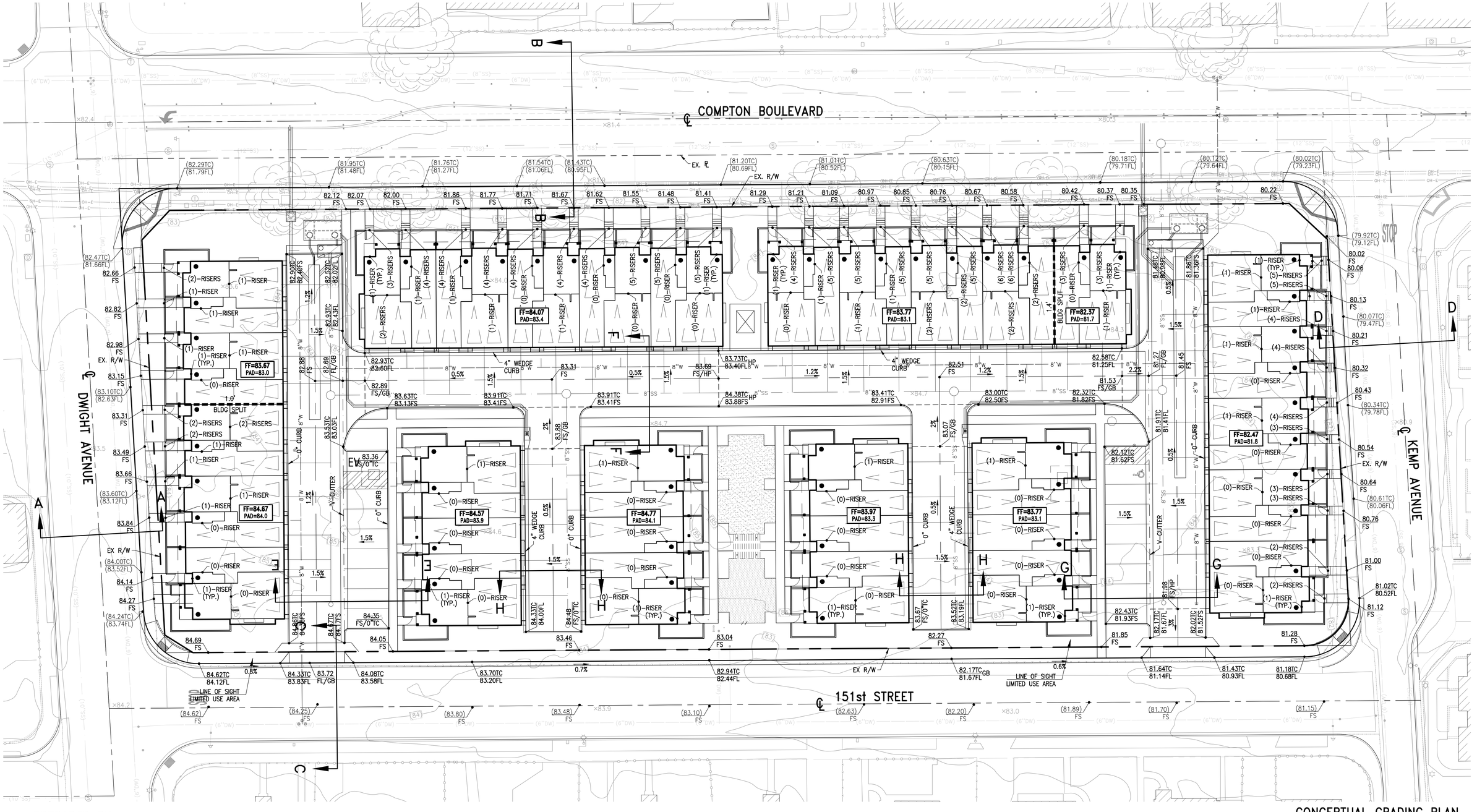
STREET SECTIONS
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 3 of 5

DWG: P:\CVC\CVCN-125\dwg\Sheets\TTM\TTM-PD-03-SECTION.dwg BY: danny Apr 05, 2021 - 3:53:45pm
PROJ: CVCN-125

CITY OF COMPTON
CONCEPTUAL GRADING PLAN



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C&V CONSULTING, INC. CIVIL ENGINEERING LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630

T. 949.916.3800
F. 949.916.3805

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SCALE: 1" = 20'

0 10 20 40

CONCEPTUAL GRADING PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 4 of 5

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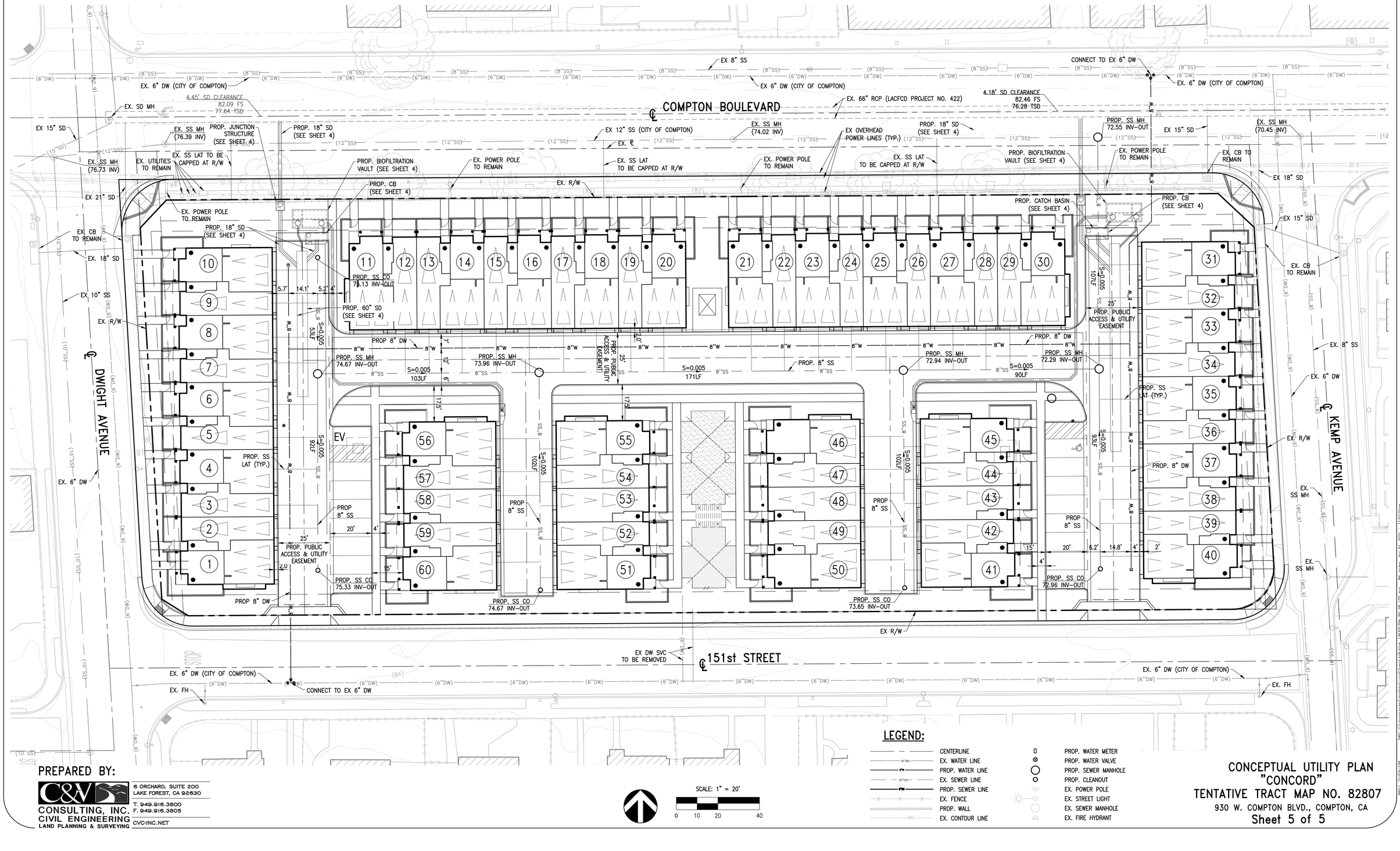
PROJ: CVC14-125

CITY OF COMPTON
CONCEPTUAL UTILITY PLAN



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LAND PLANNING & SURVEYING

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LAKE FOREST, CA 92630
T. 949.916.3800
F. 949.916.3805
CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

LEGEND:

- CENTERLINE
- EX. WATER LINE
- PROP. WATER LINE
- EX. SEWER LINE
- PROP. SEWER LINE
- EX. FENCE
- PROP. WALL
- EX. CONTOUR LINE
- PROP. WATER METER
- PROP. WATER VALVE
- PROP. SEWER MANHOLE
- PROP. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- EX. SEWER MANHOLE
- EX. FIRE HYDRANT

CONCEPTUAL UTILITY PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 5 of 5

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Appendix E

LACDPW SEWER AREA STUDY GUIDELINES,

SEWER ATLAS MAP

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION

AREA STUDY

An area study must be made for all private contract sewer projects. See attached sample. The area study must include the following items:

1. Area being served - In Acres
2. Determined Tributary area to main line being designed (incl. areas of future devel.)- In Acres
3. Existing and Land Use Zoning
4. Anticipated Sewer Discharge in cfs of total area based on zoning, and/or heavy water users
5. Existing or proposed utilities if in conflict
6. Existing and proposed sewers showing pipe size and grade leading up to the trunk line in order for you to evaluate the impact of your proposed development on the existing system
7. Direction of sewer flow
8. Contour lines
9. Scale not to be less than 1"=600'
10. North arrow pointing up or to the left

ZONING COEFFICIENTS

ZONE	COEFFICIENT (cfs/Acre)
Agriculture	0.001
Residential	
R-1	0.004
R-2	0.008
R-3	0.012
R-4	0.016 *
Commerical	
C-1 through C-4	0.015 *
Heavy Industrial	
M-1 through M-4	0.021 *

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown.

The coefficient to be used for any zoned areas not listed will be determined by the County based upon the intended development and use.

The County shall determine which of the coefficients or combination of coefficients shall be used for design as determined by the established or proposed zoning in the study area. Any modifications to these coefficients due to topography, development, or hazard areas, shall be approved by the Department of Public Works.

Estimated Average Daily Sewage Flows for Various Occupancies

Occupancy	Abbreviation	*Average daily flow	
Apartment Buildings:			
Bachelor or Single dwelling units	Apt	100	gal/D.U. → 150
1 bedroom dwelling units	Apt	150	gal/D.U. → 200
2 bedroom dwelling units	Apt	200	gal/D.U. → 250
3 bedroom or more dwelling units	Apt	250	gal/D.U. → use 300 GPD per SMD
Auditoriums, churches, etc.	Aud	5	gal/seat
Automobile parking	P	25	gal/1000 sq ft gross floor area
Bars, cocktails lounges, etc.	Bar	20	gal/seat
Commercial Shops & Stores	CS	100	gal/1000 sq ft gross floor area
Hospitals (surgical)	HS	500	gal/bed
Hospitals (convalescent)	HC	85	gal/bed
Hotels	H	150	gal/room
Medical Buildings	MB	300	gal/1000 sq ft gross floor area
Motels	M	150	gal/unit
Office Buildings	Off	200	gal/1000 sq ft gross floor area
Restaurants, cafeterias, etc.	R	50	gal/seat
Schools:			
Elementary or Jr. High	S	10	gal/student
High Schools	HS	15	gal/student
Universities or Colleges	U	20	gal/student
College Dormitories	CD	85	gal/student

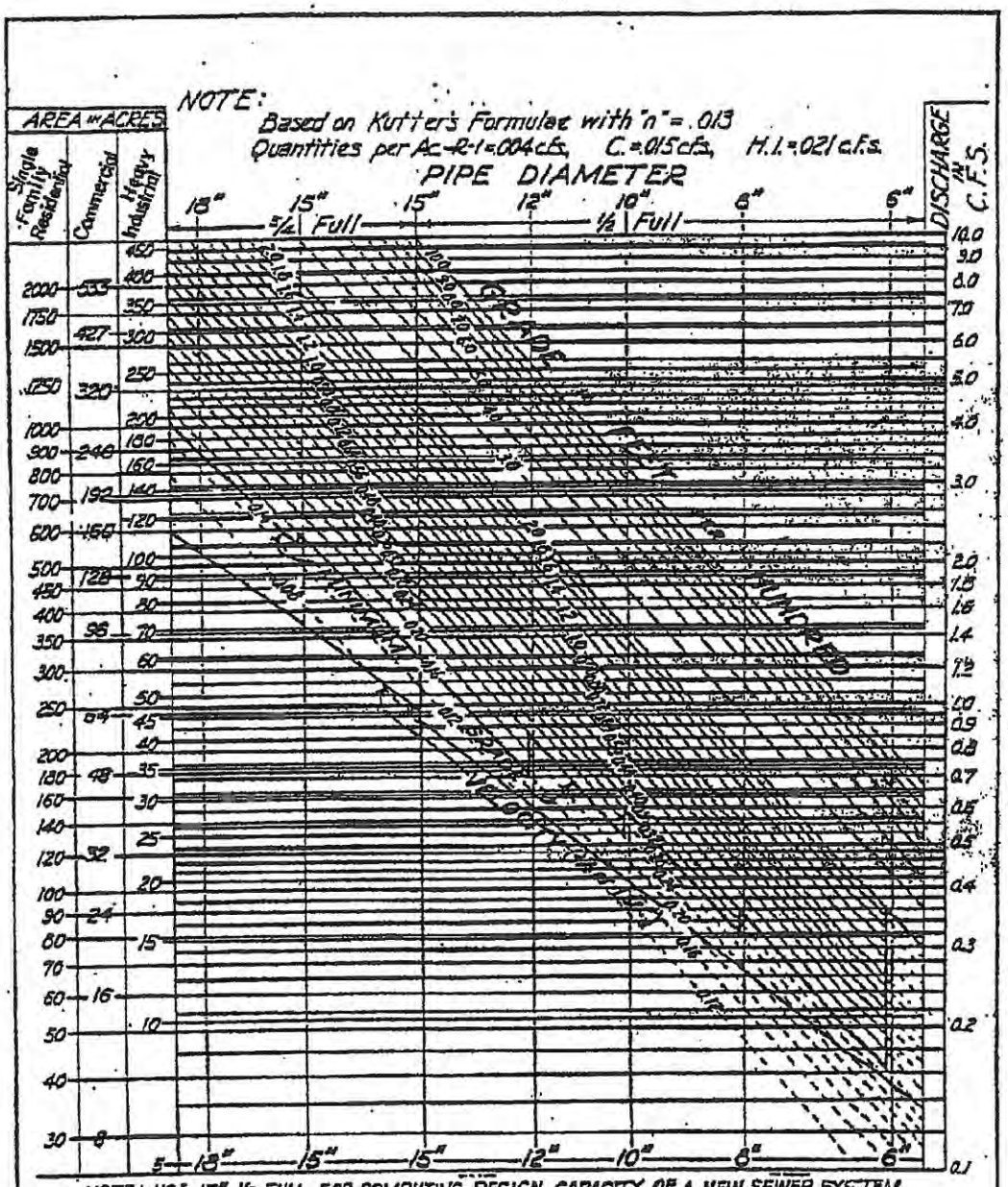
*Multiply the average daily flow by 2.5 to obtain the peak flow

Zoning Coefficients

Zone	Coefficient (cfs/Acre)
Agriculture	**0.001**
Residential+:	
R-1	**0.004**
R-2	**0.008**
R-3	**0.012**
R-4	**0.016***
Commercial:	
C-1 through C-4	**0.015***
Heavy Industrial:	
M1 through M-4	**0.021***

***Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown**

+ Use 0.001 (cfs/unit) for condominiums only



FLOW DIAGRAM FOR THE DESIGN OF CIRCULAR SANITARY SEWERS

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

ASSISTANT DEPUTY

COUNTY ENGINEER

COUNTY ENGINEER STANDARD S-C4

DATE: 3/80

DESIGN RCE 10443

Appendix F

LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

April 5, 2019

Ref. Doc. No.: 4998396

Ms. Caitlin Espinoza
Project Coordinator
C & V Consulting, Inc.
6 Orchard, Suite 200
Lake Forrest, CA 92630

Dear Ms. Espinoza:

Will Serve Letter for 930 West Compton Boulevard Residential Project

The Sanitation Districts of Los Angeles County (Districts) received your will serve letter request for the subject project on March 21, 2019. The proposed project is located within the jurisdictional boundaries of District No. 1. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Joint Outfall G Unit 5 Trunk Sewer, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently produces an average flow of 261.1 mgd.

3. The expected average wastewater flow from the project, described in the conceptual site plan as 24 homes, is 6,240 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee for the privilege of connecting (directly or indirectly) to the Districts' Sewerage System for increasing the strength or quantity of wastewater discharged from connected facilities. This connection fee is a capital facilities fee that is imposed in an amount sufficient to construct an incremental expansion of the Sewerage System to accommodate the proposed project. Payment of a connection fee will be required before a permit to connect to the sewer is issued. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and search for the appropriate link. In determining the impact to the Sewerage System and applicable connection fees, the Districts' Chief Engineer and General Manager will determine the user category (e.g. Condominium, Single

Family home, etc.) that best represents the actual or anticipated use of the parcel or facilities on the parcel. For more specific information regarding the connection fee application procedure and fees, please contact the Connection Fee Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CCA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise you that the Districts intend to provide this service up to the levels that are legally permitted and to inform you of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717.

Very truly yours,

for:

Adriana Raza
Customer Service Specialist
Facilities Planning Department

AR:ar

cc: A. Schmidt
A. Howard

Appendix G

CITY OF COMPTON ZONING MAP

ZONING
THE USE AND REGULATION OF LAND

All land in the City is divided into zones which regulate, through the Zoning Ordinance of the Compton Municipal Code, how a piece of property can be used and physically developed. These zones are designed to promote orderly development, allowing similar uses to coexist while separating incompatible uses.

1. Automatically Permitted Uses

Uses which require no special permits provided that the physical development of the site meets Municipal Code guidelines. Normal permits such as certificates of occupancy, business licenses, building permits, etc., are still required.

2. Conditionally Permitted Uses

Uses which require a special permit, called a "Conditional Use Permit", in addition to all normal permits. Some uses may be "conditionally" permitted in one zone and "automatically" permitted in another zone. Other uses require a Conditional Use Permit no matter where they are located.

The Zoning Ordinance also prohibits certain uses, either in one or more zones or Citywide. If a use is not listed as "automatically" or "conditionally permitted" in the zone or "conditionally permitted" Citywide it is prohibited.

The physical development of land (setbacks, parking, signs, fences, etc.) is also regulated by the Zoning Ordinance. Proposed development must conform to both the usage and the development requirements for the specific zone.

Zoning within the City of Compton is divided into the following designations:

The "R-A" (Residential Agriculture) Zone, which provides for one-family homes on 10,000 square foot or larger lots and certain agricultural uses.

The "R-L" (Low-Density Residential) Zone, which provides for one-family homes on 5,000 square foot or larger lots.

The "R-M" (Medium-Density Residential) Zone, which provides for one dwelling unit per 2,500 square feet on 5,000 square-foot or larger lots. More than four dwelling units require a Conditional Use Permit.

The "R-H" (High-Density Residential) Zone, which provides for one dwelling unit per 1,250 square feet on 5,000 square foot or larger lots. More than four dwelling units require a Conditional Use Permit.

City of Compton
Zoning Map

Legend

- City Limits
- RA - Residential Agriculture
- RL - Low Density Residential
- RM - Medium Density Residential
- RH - High Density Residential
- P - Parking
- PRL - Parking/Low Density Residential
- PRM - Parking/Medium Density Residential
- PRH - Parking/High Density Residential
- CL - Limited Commercial
- CM - Commercial Manufacturing
- ML - Limited Manufacturing
- MH - Heavy Manufacturing
- B - Buffer
- LAC - Los Angeles County
- UNZONED
- creek
- streetsphere

THIS MAP IS A PUBLIC RESOURCE OF GENERAL INFORMATION. THE CITY OF COMPTON MAKES NO WARRANTY, REPRESENTATION OR GUARANTY AS TO THE CONTENT, SEQUENCE, ACCURACY, TIMELINESS OR COMPLETENESS OF ANY OF THE DATABASE INFORMATION PROVIDED HEREIN. THE READER SHOULD NOT RELY ON THE DATA PROVIDED HEREIN FOR ANY REASON. THE CITY OF COMPTON EXPLICITLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE CITY OF COMPTON SHALL ASSUME NO LIABILITY FOR:

1. ANY ERRORS, OMISSIONS, OR INACCURACIES IN THE INFORMATION PROVIDED REGARDLESS OF HOW CAUSED; OR
2. ANY DECISION MADE OR ACTION TAKEN OR NOT TAKEN BY READER IN RELIANCE UPON ANY INFORMATION OR DATA FURNISHED HEREUNDER.

N

SEWER AREA STUDY

TTM No. 82807
CIP #10-18/JN120S
SMD Index 1757, 1812

Prepared for:
City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Contact: Kim Prijatel
(949) 258-7555

Property:
TTM No. 82807
APN 6161-001-902
930 West Compton Boulevard
City of Compton, CA 90220

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Contact: David Terry, Project Manager

Ryan J. Bittner R.C.E. 68167

October 2019
Revised: April 2021

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B. SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

C. SEWER AS-BUILTS, SEWER MAINTENANCE DIVISION INDEX MAPS, SEWER ATLAS MAP

D. TENTATIVE TRACT MAP (PROJECT SITE)

E. COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, SEWER AREA STUDY DESIGN GUIDELINES

F. LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

G. CITY OF COMPTON ZONING MAP

INTRODUCTION

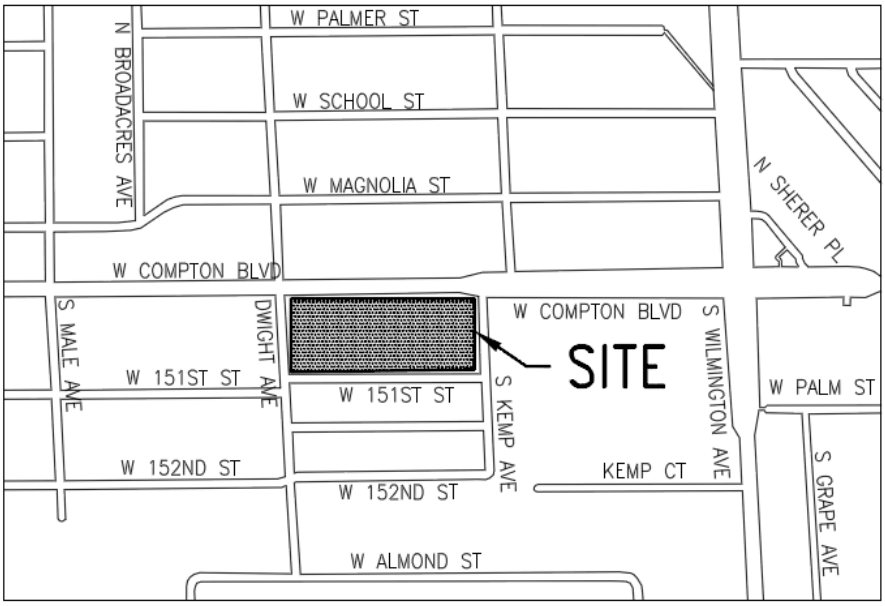
The following Area Study has been prepared by C&V Consulting, Inc. to determine and show:

- ***A.*** The capacity of the existing sewer segments from proposed development site to the Los Angeles County Sanitation District (LACSD) maintained trunk sewers.
- ***B.*** The existing sewer facility will adequately service the proposed development.

This analysis will include any and all tributary flow to the sewer system from the proposed development to the LACSD trunk line downstream of the proposed development. All tributary area within this area study has been developed.

SITE DESCRIPTION

The project is located at 930 West Compton Boulevard, in the City of Compton, California. The site is bounded by West Compton Boulevard to the north, West 151st Street and existing single-family residential to the south, South Kemp Avenue and existing single-family residential to the east, and Dwight Avenue and a liquor store to the west. The project site is currently vacant with no visible traces of impervious coverage. Thus, pervious coverage is assumed to be 100% for the existing condition of the site.



VICINITY MAP
N.T.S.

PROJECT DESCRIPTION

The project proposes the construction of eight condominium buildings of sixty (60) attached units with private garages, private drive aisles, hardscape, associated landscaping, and guest parking areas. The private drive aisle provides access to the residences via two driveway entrances/exits along West 151st Street. Drive aisles and parking areas will be composed of asphalt concrete pavement, and landscaping will be incorporated in open space areas. The proposed project is located within the jurisdictional boundaries of Los Angeles County Sanitation District No. 1. The proposed sewer system will be gravity fed and flow will be towards a local sewer line located along West Compton Boulevard, which conveys and connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer.

AP Number	Size (ac)
6161-001-902	2.75

METHODOLOGY

This study will investigate the sewerage discharge route along West Compton Boulevard from the proposed development (TTM No. 82807) to the Districts' Joint Outfall G Unit 5 Trunk Sewer. The route is on a local sewer line, which is not maintained by the Sanitation Districts of Los Angeles County, connects to the Districts' Joint Outfall G Unit 5 Trunk Sewer for conveyance, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013. The subject route of the sewer main will be analyzed by segments based on sewer pipe size, slope, and tributary area.

Reach #1A segment is along West Compton Boulevard to Kemp Avenue, from the connection of the project site Manhole 2 to Manhole 3 and consisting of an existing 12" VCP sewer main with a slope of 0.72%. This segment includes the project site (Area #1A) and the upstream tributary areas of Reach #1.

Reach #2A segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 3 to Manhole 4 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #2 and the upstream tributary areas of Reach #1A.

Reach #2B segment is along West Compton Boulevard from Kemp Avenue to North Wilmington Avenue, Manhole 4 to Manhole 5 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes tributary areas of Reach #2A.

Reach #3A segment is on the cross-section of West Compton Boulevard and North Wilmington Avenue, Manhole 5 to Manhole 6 and consists of an existing 12" VCP sewer main with a slope of 0.92%. This segment includes Area #3 and the upstream tributary areas of Reach #2B.

Reach #4A segment is along West Compton Boulevard from Manhole 6 to Manhole 7 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment has a lateral connection to a sewer system to the North which also connects to CSD Manhole (G61). This lateral connection is plugged and abandoned as shown on Reference Sheet C-7. This indicates that the flow in the north sewer line conveys into the project sewer line in this study; therefore, the segment includes the upstream Area #4 and the upstream tributary areas of Reach #3A.

Reach #4B segment is along West Compton Boulevard from Manhole 7 to Manhole 8 and consists of an existing 15" VCP sewer main with a slope of 0.33%. This segment includes the upstream tributary areas of Reach #4A.

Reach #5 segment is along West Compton Boulevard to Coral Street and connects to the 31.3" Sewer Trunk Line belonging to Sanitation District No. 1 from Manhole 8 to CSD Manhole (G61) consisting of a 15" VCP sewer main with a slope of 0.33%. This Reach#5 segment includes Area #5 and the tributary area of Reach 4B.

SEWER PIPE CAPACITY ANALYSIS

The existing sewer pipes were analyzed per County Standard S-C4 for a maximum design depth at half full for pipes less than 15" and three fourths full for pipes 15" and greater. Data were obtained from corresponding Sewer As-Built plans and Compton sewer atlas map in Appendix C for the analysis.

In order to calculate the pipe capacity, Kutter's formula was utilized assuming a depth of three-fourths full and a Manning's friction factor, n, of 0.013. Kutter's formula is shown below:

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685+\frac{0.00281}{S}+\frac{1.811}{n}}{1+\frac{\left(41.65+\frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Detailed results for each segment have been tabulated in Appendix B. Details of calculations for each reach of pipe has been included in Appendix B following the table.

The tributary sewer flow rate (Q) for the studied sewer lines are analyzed based on County standards as follows:

For Tributary Areas:
Q = Z*A
A = Tributary Area (Acre)
Z = Zoning Coefficients (Refer to the LACDPW guideline information within Appendix E)

For the Project Site
Q = (0.001 cfs/unit) x (60 units) = 0.060 cfs
(0.001 cfs/unit for proposed condominiums per County standard zoning coefficient within Appendix E)

The tributary areas were calculated by reference scaling the County of Los Angeles Sewer Maintenance Division's Atlas Index Maps and referencing County of Los Angeles Assessor's map. The zoning coefficients were referencing the LACDPW guidelines and the Zoning Map provided by the City of Compton in Appendix G. City of Compton's classification of Low-Density Residential matches the density description

of Los Angeles County Zone R-2, so the zoning coefficient of R-2 is used for Compton's zoning area of Low-Density Residential. Medium-Density Residential applies County R-3 coefficient value and High-Density Residential applies County R-4 coefficient value. These values match the capacity/density represent a more conservative scenario.

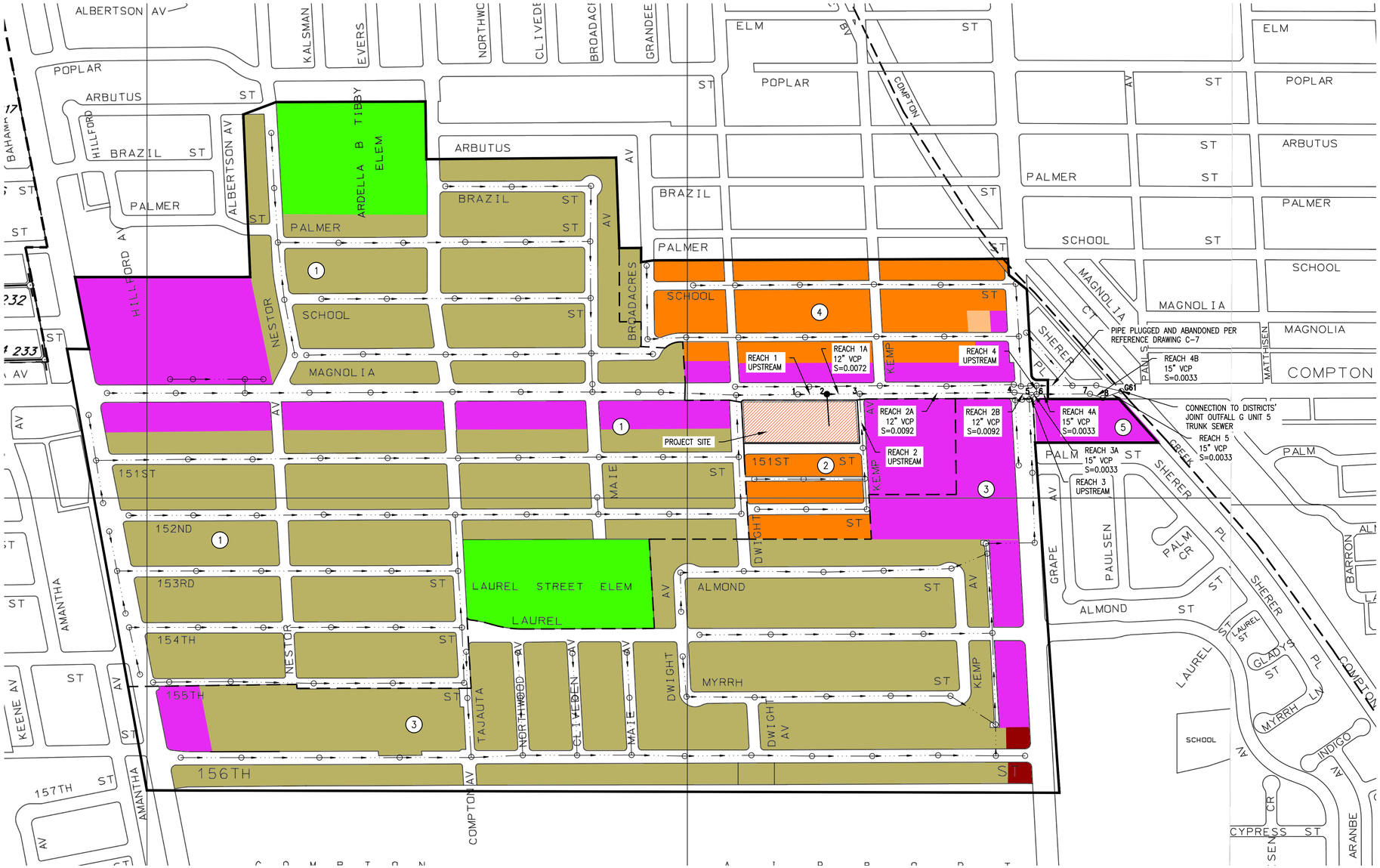
Per County requirements, we separately calculated the sewer discharge for schools based on the "Estimated Average Daily Sewage Flows for Various Occupancies" with a peaking factor of 2.5. Churches were taken into consideration of separate calculation, but the discharge calculated was insignificant compared to the zoning coefficient; therefore, the calculation for churches was analyzed by tributary area and corresponding zone. Unit counts were used to determine the flows on condominium sites where its unit density is greater than the tributary area and corresponding zone. The County Sewer Area Study guidelines indicate a zoning coefficient for R-1 Residential as 0.004 cfs/acre which allow up to 4 dwelling units per acre and matches the actual worse case density; For condominium, County recommends applying coefficient of 0.001 cfs/unit.

CONCLUSION

The existing sewer system being analyzed in this area study has a design capacity above the calculated cumulative flow. The peak discharge at the downstream end of the sewer system 15" pipe entering the County Sanitation District No. 1 existing 31.3" sewer trunk main is calculated to be a rate of 1.8465 cfs with a flow depth of 7.61 inches. Refer to Appendix B for calculations and tabulated results. Therefore, we conclude that the existing sewer system has adequate capacity for the proposed development.

Appendix A

SEWER AREA STUDY EXHIBIT



LEGEND:

- SEWER AREA STUDY LIMITS
- COUNTY OF LOS ANGELES/ CITY OF COMPTON LIMITS
- TRIBUTARY AREA BOUNDARY TO SEWER SYSTEM
- SEWER SYSTEM FLOW PATH
- TRIBUTARY AREA (REFER TO CALCULATION TABLE)
- PROJECT SITE (MULTI-FAMILY CONDOMINIUMS)
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- PARKING/MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MUNICIPAL PARK
- SCHOOL
- LIMITED COMMERCIAL
- POC (POINT OF CONNECTION)

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
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INFO@CVC-INC.NET
WWW.CVC-INC.NET

SEWER AREA STUDY EXHIBIT
TENTATIVE TRACT NO. 82807

930 W. COMPTON BLVD.
COMPTON, CA.

Sheet 1 of 1

PROJ: CVCN-125
DWG: P:\CVCN-125\Dwg\Sheets\DH\DH-SEWER-STUDY-01.dwg BY: hsm Apr 16, 2021 - 4:36:55pm

Appendix B

SEWER AREA STUDY TABLE & DEPTH OF FLOW CALCULATIONS

Sewer Area Study Table

TR 82807
930 West Compton Boulevard, Compton

Street Name	Segment		Pipe		*Capacity (cfs)		Tributary Area #	Tributary Area (Acres)	Zone	Zoning Coefficient	Calculated Flow (cfs)	**Cumulative Calculated Flow (cfs)	****Cumulative Depth (in)	PC Construction Plan #	Comments	*** Percentage Full	
	MH #	MH #	Size (in.)	Slope (%)	1/2 Full (<15")	3/4 Full (>15")										Flow Depth	Cumulative Flow/ Capacity
Reach #1 Upstream Tributary Area W. Compton Blvd.	1	2	12	0.72	1.444		1	70.52	Low Density Residential	0.0080	0.56416						
							1	17.58	Limited Commercial	0.0150	0.2637						
							1	Laurel Street Elementary School (7.92 AC)	(647 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0250		0.02503						
							1	Tibby Elementary (8.12 AC)	(554 Students)(10 gal/student/day) (2.5 peak factor)/ 646190.4 = 0.0214		0.02143	**0.8743**	4.58	CIP #10-18 /JN120S	Compton	76%	61%
Reach #1A W. Compton Blvd.	2	3	12	0.72	1.444		1A	**2.75**	**Proposed Condominium Coefficient 0.001 cfs/DU**		**0.06000**	**0.9343**	4.74	CIP #10-18 /JN120S	***Project Site*** Compton 60 Units	79%	65%
Reach #2A W. Compton Blvd.	3	4	12	0.92	1.633		2	4.05	Medium Density Residential	0.0120	0.04860						
								Condominium Tract No. 51441 (1.05 AC)	(37 Units)(0.001cfs/DU)=0.037		0.03700	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #2B W. Compton Blvd.	4	5	12	0.92	1.633		2	-	-		-	**1.0199**	4.65	CIP #10-18 /JN120S	Compton	78%	62%
Reach #3A W. Compton Blvd.	5	6	15	0.33		3.333	3	Condominium Tract No. 37774 (1.34 AC)	(32 Units)(0.001cfs/DU)=0.032		0.03200						
							3	Condominium Tract No. 34166 (2.49 AC)	(53 Units)(0.001cfs/DU)=0.053		0.05300						
								52.64	Low Density Residential	0.0080	0.42112						
								0.49	High Density Residential	0.0160	0.00784						
								4.00	Limited Commercial	0.0150	0.06000	**1.5939**	5.92	CIP #10-18 /JN120S	Compton	53%	48%
Reach #4A W. Compton Blvd.	6	7	15	0.33		3.333	4	0.79	Low Density Residential	0.0080	0.00630						
								13.07	Medium Density Residential	0.0120	0.15686						
								0.23	Parking/Medium Residential	0.0120	0.00274						
								3.54	Limited Commercial	0.0150	0.05315	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%

Reach #4B W. Compton Blvd.	7	8	15	0.33		3.333	4	-	-		-	**1.8129**	7.53	CIP #10-18 /JN120S	Compton	67%	54%
Reach #5 W. Compton Blvd.	8	G Unit 5	15	0.33		3.333	5	2.24	Limited Commercial	0.0150	0.03360	**1.8465**	7.61	CIP #10-18 /JN120S	LACSD Connection	68%	55%

* Calculated using the Kutter's Equation with n=0.013 and assuming 1/2 full (<15") and 3/4 full (>15")

** Based on current land use and coefficients per LA County, (Attach supporting calculations)

***Flow depth should be divided by 0.75 times the pipe diameter for pipes > 15" and 0.5 times the pipe diameter for pipes < 15"

****Calculations for pipe flow, and flow depth shown on following sheets

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1 Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.38	ft
Depth of Flow	4.58	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.621	radians
Flow Area, A	0.275	sf
Wetted Perimeter	1.331	ft
Hydraulic Radius, R	0.207	ft
Cumulative Flow, Q	0.874	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 1A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.444	cfs

Reach 1A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.74	in
Slope, S	0.0072	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.566	radians
Flow Area, A	0.288	sf
Wetted Perimeter	1.359	ft
Hydraulic Radius, R	0.212	ft
Cumulative Flow, Q	0.934	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 2B Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 2A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.39	ft
Depth of Flow	4.65	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.595	radians
Flow Area, A	0.281	sf
Wetted Perimeter	1.344	ft
Hydraulic Radius, R	0.209	ft
Cumulative Flow, Q	1.020	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 3A Pipe Capacity

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow (50% full)	0.500	ft
Slope	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.142	radians
Flow Area	0.393	sf
Wetted Perimeter	1.571	ft
Hydraulic Radius	0.250	ft
Pipe Capacity	1.633	cfs

Reach 3A Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	12	in
Pipe Diameter	1.000	ft
Depth of Flow	0.49	ft
Depth of Flow	5.92	in
Slope, S	0.0092	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.169	radians
Flow Area, A	0.386	sf
Wetted Perimeter	1.557	ft
Hydraulic Radius, R	0.248	ft
Cumulative Flow, Q	1.594	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4A Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 4B Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% full)	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 4 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.53	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.134	radians
Flow Area, A	0.616	sf
Wetted Perimeter	1.968	ft
Hydraulic Radius, R	0.313	ft
Cumulative Flow, Q	1.813	cfs

Kutter's Formula

$$Q = Ac\sqrt{RS}$$

Where A = Flow area (sf)
R = Hydraulic Radius (ft)
S = Pipe slope (ft/ft)

$$c = \frac{41.685 + \frac{0.00281}{S} + \frac{1.811}{n}}{1 + \frac{\left(41.65 + \frac{0.00281}{S}\right)n}{\sqrt{R}}}$$

Reach 5 Pipe Capacity

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow (75% fu	0.938	ft
Slope	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	2.094	radians
Flow Area	0.987	sf
Wetted Perimeter	2.618	ft
Hydraulic Radius	0.377	ft
Pipe Capacity	3.333	cfs

Reach 5 Cumulative Depth of Flow "What-If Analysis"

Pipe Diameter	15	in
Pipe Diameter	1.250	ft
Depth of Flow	0.63	ft
Depth of Flow	7.61	in
Slope, S	0.0033	ft/ft
Manning's n	0.013	(unitless)
Central Angle	3.113	radians
Flow Area, A	0.625	sf
Wetted Perimeter	1.981	ft
Hydraulic Radius, R	0.315	ft
Cumulative Flow, Q	1.847	cfs

Laurel Street Elementary School

Claimed

1321 West Laurel Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
7/10	26 ★★★★★	PK-8	647	Public

This school is rated above average in school quality compared to other schools in California. Students here perform above average on state tests, are making about average year-over-year academic improvement, and this school has above average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 7/10
- Academic progress 6/10
- Advanced courses

EQUITY

- Equity overview 8/10
- Race/ethnicity
- Low-income students 7/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

7/10 Test scores

Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Tibby Elementary School

Unclaimed

1400 West Poplar Street, Compton, CA 90220 | Compton Unified School District | Contact info

New! GREATSCHOOLS RATING	REVIEWS	GRADES	STUDENTS	TYPE
6/10	23 ★★★☆☆	K-8	554	Public

This school is rated about average in school quality compared to other schools in California. Students here perform about average on state tests, are making about average year-over-year academic improvement, and this school has about average results in how well it's serving disadvantaged students.

ACADEMICS

- Test scores 6/10
- Academic progress 5/10
- Advanced courses

EQUITY

- Equity overview 5/10
- Race/ethnicity
- Low-income students 5/10
- Students with disabilities

ENVIRONMENT

- Student demographics
- Discipline & attendance
- Teachers & staff
- Neighborhood

ACADEMICS

6/10 Test scores

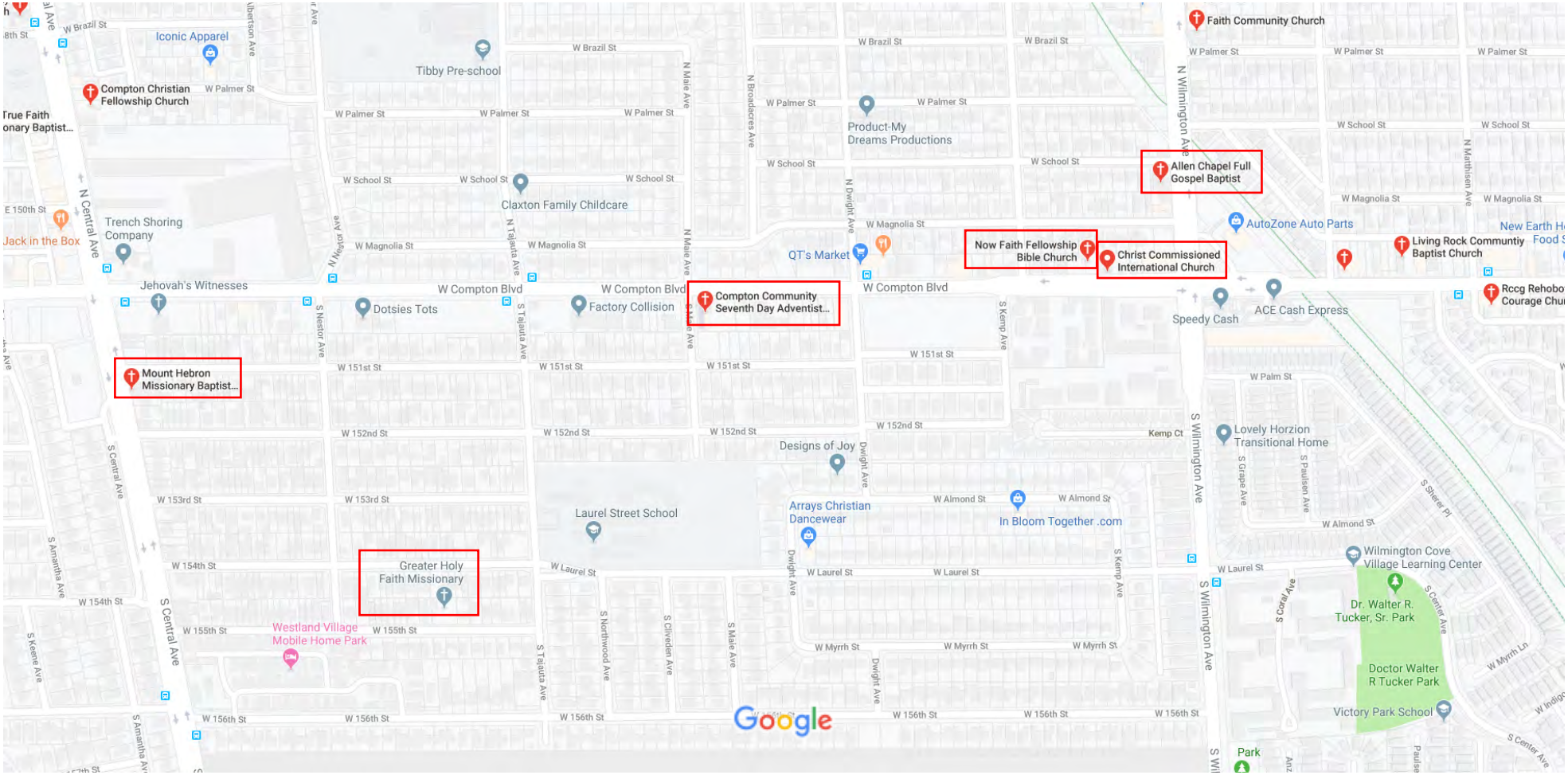
Share

Find out what state standardized test scores really tell you about a school – and what they don't.

Google Maps

church

(Not a significant source for sewerage)



Map data ©2019 200 ft

Appendix C

SEWER AS-BUILTS & SEWER MAINTENANCE DIVISION INDEX MAPS

UTILITY OWNERS & CITY CONTACTS

UTILITY	CONTACT	TELEPHONE
COMPTON PUBLIC WORKS DEPARTMENT	GLEN KAU	(310) 605-5505
COMPTON WATER DEPARTMENT	MICHAEL HARVEY	(310) 605-5524
COMPTON WATER DEPARTMENT		(310) 505-7175
COMPTON TRAFFIC SIGNAL MAINTENANCE	JOE WEDGEWORTH	(951) 847-0070
COMPTON GENERAL MAINTENANCE	ROBERT MONTGOMERY	(310) 605-3501
COMPTON FIRE DEPARTMENT		(310) 605-5670
COMPTON SHERIFF DEPARTMENT		(310) 605-6500
AT&T CALIFORNIA (SBC- PACBELL)	TROY STANARD	(310) 515-2418
ATT TRANSMISSION	CURTIS SHAPAZIAN	(559) 442-2252
PARK WATER CO INC	MIKE ADAMS	(562) 923-0711 X1248
GOLDEN STATE WATER	MIKE THOMPSON	(310) 767-8210
SOUTHERN CALIFORNIA EDISON	CORNELIUS BROWNING	(310) 608-5070
SOUTHERN CALIFORNIA GAS COMPANY	DALE GRABOYES	(310) 687-2013
ATT TRANSMISSION TCG	ALLEN COLE	(213) 787-0204
.L OIL PIPELINE CO	RICH WALCK	(310) 816-2067
AS PLAYA DEL REY - TRANSMISSION	MIKE BATISTA	(818) 701-4543
AS PLAYA DEL REY - TRANSMISSION	OBSERVATION REPRESENTATIVE	(562) 665-5486
OUNTY SANITATION DISTRICT (CSD)	KYLE YEAMAN	(310) 638-1161
ANGELES CO DEPT OF PUBLIC WORKS	DARYLL CHENOWETH	(626) 458-3109
ANGELES CO DEPT OF PUBLIC WORKS		(626) 458-5100
ROPOLITAN TRANSPORTATION AUTHORITY	ASPET DAVIDIAN	(213) 922-5258
LEX TRAFFIC SYSTEMS	CARLOS TLILAYATZI	(310) 642-0470
WARNER CABLE	ESPIE MINERO	(310) 345-4174
DISON-TELECOMMUNICATIONS	TOMMY SAVAGE	(626) 308-6186
G NETWORKS INC	CHRIS CABICO	(909) 593-9700
VERIZON BUSINESS)	CHUCK TRIMBLE	(909) 421-3339
OMMUNICATIONS	LEE ARNOLD	(949)417-7762
TON RENAISSANCE TRANSIT		(562) 633-3798

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE 1-7-16

SHEET INDEX

DRAWING	SHEET	DESCRIPTION
G-1	1	TITLE SHEET
G-2	2	GENERAL NOTES
G-3	3	GENERAL NOTES, LEGEND AND SYMBOLS
C-1	4	POPLAR ST / DWIGHT AVE STA 10+00 TO 16+00
C-2	5	DWIGHT AVE STA 16+00 TO 22+00
C-3	6	DWIGHT AVE / SPRUCE ST TO PACIFIC AVE STA 22+00 TO 26+81.84
C-4	7	MAIE AVE / COMPTON BLVD STA 10+00 TO 16+00
C-5	8	COMPTON BLVD STA 16+00 TO 22+00
C-6	9	COMPTON BLVD STA 22+00 TO 28+00
C-7	10	COMPTON BLVD STA 28+00 TO 34+00
C-8	11	COMPTON BLVD STA 34+00 TO 35+74.13
C-9	12	WILMINGTON AVE STA 10+00 TO 16+00
C-10	13	WILMINGTON AVE STA 16+00 TO 20+09.39
C-11	14	SO. DWIGHT AVE STA 10+00 TO 12+85.80
DS-1	15	DETAILS
DS-2	16	DETAILS
DS-3	17	DETAILS

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES NOT KNOWN OR IN A LOCATION DIFFERENT FROM THAT WHICH IS SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UNDERGROUND SERVICE ALERT AT 1 (800) 227-2600.

TEMPORARY BENCHMARKS	COORDINATES	ELEV
SET TEMP. B.M. 35.00' S/O INT OF MAIE AVE. & COMPTON BLVD.	N 2493.76; E 3156.80	85.99'
SET TEMP B.M. 14.00' SEL'Y OF INT OF 151ST ST. & DWIGHT AVE.	N 2224.70; E 3848.10	84.76'
SET TEMP. B.M. ON COMPTON BLVD.	N 2509.97; E 4393.64	79.76"
SET TEMP B.M. 287.00'W X 34.00'S OF INT OF COMPTON BLVD. & WILMINGTON AVE.	N 2507.63; E 4855.40	77.44'
SET TEMP. B.M. 401.00'E X 32.00'N OF INT. OF COMPTON BLVD. & WILMINGTON AVE.	N 2579.89; E 5543.45	75.66'
SET TEMP. B.M. 54.00' NWL'Y OF INT. OF WILMINGTON AVE & SCHOOL ST.	N 3202.67; E 5062.24	76.22'
FD SSDM TEMP. B.M. ON INT OF WILMINGTON AVE. & ARBUTUS ST.	N 3755.71; E 5072.38	74.45'
FD SSDM 44.00' NWL'Y OF INT OF ELM ST. & WILMINGTON AVE.	N 4296.25; E 5000.93	75.53'

BASIS OF BEARINGS:

THE BEARING SOUTH 03°19'45" EAST, ON THE CENTERLINE OF WILMINGTON AVENUE (COMPTON AVENUE PER TRACT) AS SHOWN ON TRACT NO. 5627, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, AS PER MAP RECORDED IN BOOK 60, PAGES 17-19 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

BENCHMARK:

QUAD YEAR: BASELINE 2005
ELEVATION: 78.209 FT.
CS MON IN WELL 11.6M (38') N/O C/L ROSECRANS AVE & 50M(164') E/O C/L DWIGHT ST 11.6M(38') W/O NW COR BRIDGE OVER COMPTON CREEK MKD (CS MON BM 21-2 1952 RE 63)

BM NUMBER:1073A

CITY OF COMPTON

PUBLIC WORKS DEPARTMENT

SEWER BOND IMPROVEMENT PROJECT
JOB NO. JN120S
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT PROJECT, CIP # 10-18

ON WILMINGTON AVE FROM ELM AVE TO COMPTON CREEK
ON POPLAR AVE FROM GRANDEE AVE TO DWIGHT AVE
ON DWIGHT AVE FROM POPLAR AVE TO SPRUCE ST
ON SPRUCE ST FROM DWIGHT AVE TO LACSD AT COMPTON CREEK
ON COMPTON BLVD FROM MAIE AVE TO LACSD AT COMPTON CREEK
ON DWIGHT AVE FROM 151st ST TO COMPTON BLVD

COUNTY SANITATION DISTRICT (CSD) NOTES:

1. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION.

2. BEFORE BREAKING INTO A CSD SEWER OR MANHOLE, AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, A CSD INSPECTOR SHALL BE NOTIFIED BY TELEPHONE AT (310) 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

3. CONSTRUCTION OR ABANDONMENT OF CSD SEWERS OR MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND CSD'S LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DRAWINGS FOR CONSTRUCTION. A COPY OF THE AMENDMENTS AND STANDARD DRAWINGS MAY BE OBTAINED AT THE PUBLIC COUNTER (ROOM 110) LOCATED AT CSD'S JOINT ADMINISTRATION OFFICE, 1955 WORKMAN MILL ROAD, WHITTIER, CA 90601.

LACFCD / LACPDW NOTES:

CROSSINGS AT LOS ANGELES COUNTY STORM DRAIN & SEWER FACILITIES

1. THE CONTRACTOR SHALL NOTIFY THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS THAT THE WORK INCLUDES A PIPELINE REPLACEMENT OR NEW PIPE LINE CROSSING ABOVE THE EXISTING STORM DRAIN OR COUNTY SEWER. PERMIT, IF REQUIRED, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE CROSSING. WORK SHALL PROCEED ONLY ON COMPLIANCE WITH ALL REQUIREMENTS OF THE COUNTY DPW. CONTACT INFORMATION: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FREMONT AVE., ALHAMBRA, CA 91803, TELEPHONE (626) 458 3129 (SEE LACDPW WEBSITE FOR ADDITIONAL INFORMATION).

2. IF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND SEWER MAINTENANCE MANHOLES REQUIRE ADJUSTMENT, CONTRACTOR IS REQUIRED TO FOLLOW THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), 2006 EDITION, SUBSECTION 302-5.8, PERTAINING TO ADJUSTMENTS OF MANHOLES AND OTHER STRUCTURES. IN ADDITION, A CONSTRUCTION PERMIT IS REQUIRED.

UTILITY AGENCY NOTES:

SHELL PIPELINE CO:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, CONTACT RICH WALCK (310) 816-2067 TO ARRANGE FOR FIELD MARKINGS OF SHELL'S FACILITIES. THIS NOTIFICATION IS IN ADDITION TO TO NOTIFICATION THROUGH UNDERGROUND SERVICE ALERT. CONTRACTOR SHALL NOT PAVE OVER ANY SHELL SURFACE EQUIPMENT.

THE GAS COMPANY:
INFORM GAS COMPANY (OFFICE OF DALE GRABOYES, (310) 687-2013) OF CONSTRUCTION SCHEDULING AND ON SITE MEETINGS. GAS MAINS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY SOUTHERN CALIFORNIA GAS COMPANY. THE MAIN LOCATIONS ARE APPROXIMATE ONLY AND DEPTHS OF THE MAINS VARY. ACTUAL LOCATION AND DEPTHS WILL NEED TO BE VERIFIED BY POT HOLING. ADDITIONALLY, THERE MAY BE SERVICE LATERALS FROM THE MAINS THAT ARE NOT IDENTIFIED.

AT&T CALIFORNIA (SBC-PACBELL):
CONTACT THE OFFICE OF TROY STANARD AT (310) 515-2418 AT LEAST 2 DAYS PRIOR START OF WORK. UNDERGROUND TELECOM DUCTS AND CROSSING LOCATIONS ARE BASED ON AS-BUILT INFORMATION PROVIDED BY AT&T CALIFORNIA. THE LOCATIONS ARE APPROXIMATE ONLY AND SIZES AND DEPTHS VARY. ACTUAL LOCATIONS AND DEPTHS WILL NEED TO BE VERIFIED BY POTHOLING. ADDITIONALLY, THERE MAY BE SERVICE CROSSINGS THAT ARE NOT IDENTIFIED.

PARK WATER:
CONTACT THE OFFICE OF MIKE ADAMS AT (562) 923-0711 X 1248 AT LEAST 2 DAYS PRIOR START OF WORK IN THE VICINITY OF PARK WATER . COORDINATE WITH PARK WATER STAFF DURING CONSTRUCTION.

CITY OF COMPTON MUNICIPAL WATER DEPARTMENT:
48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ACTIVITIES NOTIFY COMPTON WATER DEPARTMENT (310) 605-5524.

GOLDEN STATE WATER:
CONTACT THE OFFICE OF MIKE THOMPSON AT (310) 767-8210 AT LEAST 48 HOURS PRIOR START OF WORK IN THE VICINITY OF GOLDEN STATE WATER . COORDINATE WITH GOLDEN STATE STAFF DURING CONSTRUCTION.

NOTE:

1. CITY OF COMPTON "SEWER SPILL PREVENTION PLAN" SHALL BE IMPLEMENTED DURING PROJECT WORK. CONTRACTOR SHALL SUBMIT BYPASS PLAN FOR SEWER SYSTEM DURING CONSTRUCTION IN COMPLIANCE THEREOF.

NOTICE TO CONTRACTOR:

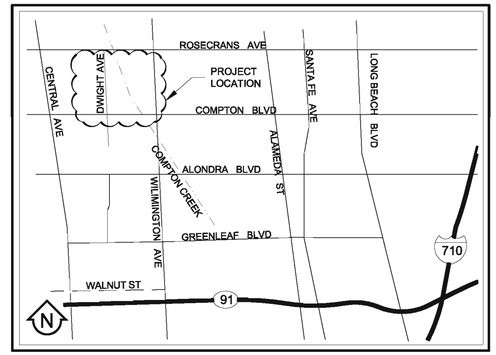
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING, AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY NECESSARY ADJUSTMENTS TO ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PREVENT DAMAGE TO ANY UTILITY FACILITIES SHOWN AND ANY OTHER FACILITIES NOT SHOWN ON THESE PLANS.

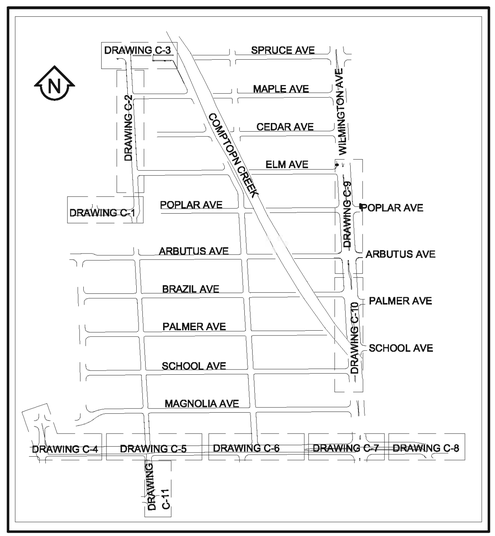
ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS AGREE THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THEY WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS INCLUDES PROVIDING FOR THE SAFETY OF ALL PERSONS AND PROPERTY AND SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTORS AND SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

CONTRACTOR NOTIFICATION:

BY SUBMITTAL OF A BID, THE CONTRACTOR REPRESENTS THAT THE SITES HAVE BEEN THOROUGHLY INVESTIGATED AND THAT ALL CONDITIONS HAVE BEEN ACCOUNTED FOR IN HIS BID. CONTRACTOR UNDERSTANDS THAT NO ADDED COSTS WILL BE ALLOWED FOR FAILURE TO ACCOMMODATE THE EXISTING CONDITIONS.



VICINITY MAP
N.T.S.



DRAWING LOCATION MAP
N.T.S.

CALL BEFORE YOU DIG — Underground Service Alert — CALL TOLL FREE 1-800 227-2600 — TWO WORKING DAYS BEFORE YOU DIG

COUNTY SANITATION DISTRICT NO. 1
OF LOS ANGELES COUNTY, CALIFORNIA
STEPHEN R. MAGUIN - CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY: _____ OFFICE ENGINEER

DATE: _____

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER — GLEN W. C. KAU — No. 56657 Exp. 06-30-17 — CIVIL — STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON

APPROVED BY: _____

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE
1	REVISED CONTACT NAMES		

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

TITLE SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. G1
SHEET 01 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\G1-COVER SHEET.dwg 01/04/16 10:59am

GENERAL NOTES

1. ALL WORK SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") LATEST EDITION, CALTRANS STANDARD PLANS LATEST EDITION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION, MUTCD CALIFORNIA SUPPLEMENT LATEST EDITION, ANY OTHER REFERENCED STANDARDS, CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT.

2. ALL APPLICABLE ORDINANCES OF THE CITY OF COMPTON SHALL BE COMPLIED WITH.

3. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS, BUSINESSES AND AGENCIES 72-HOURS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS ON HAND AT ALL TIMES TO EXPEDITE ANY EMERGENCY REPAIR.

5. THE CONTRACTOR SHALL NOTIFY THE CITY DIRECTOR OF PUBLIC WORKS FORTY-EIGHT HOURS PRIOR TO STARTING WORK, TELEPHONE NUMBER (310) 605-5505.

6. WORK IN PUBLIC STREETS, ONCE BEGUN SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT OWNERS AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A
OF TITLE 16 OF THE COUNTY CODE, HIGHWAY PERMIT CODE.

RSECTING UTILITY INSTALLATIONS WILL BE RELOCATED BY THE CONTRACTOR AFTER REVIEW BY THE AFFECTED UTILITY
?RIOR APPROVAL BY THE CITY ENGINEER.

/ENT OF CONFLICT BETWEEN DETAILS, THE MORE STRINGENT SHALL TAKE PRECEDENCE. THE DECISION OF THE
SHALL BE FINAL.

TRACTOR SHALL COORDINATE ALL REQUIRED SITE INSPECTIONS FROM ALL ENTITIES HAVING JURISDICTION.
ATION IS TO BE MADE SUFFICIENTLY IN ADVANCE OF NEEDED SITE INSPECTION THAT THE PROGRESS OF THE WORK IS
ED NOR THE QUALITY AFFECTED. CONTRACTOR SHALL PAY ALL COSTS OF PERMIT AND SITE REVIEW BY ANY UTILITY OR

GLEN W.C KAU, P.E. LICENSE No. C-56657 1-7-16 DATE

\CTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AS REQUIRED BY THE SPECIFICATIONS. UNLESS NOTIFIED IN
HE PROPOSED CONSTRUCTION SEQUENCE SHALL BE FOLLOWED. WRITTEN REQUEST FOR APPROVAL IS REQUIRED TO
: SCHEDULE.

\NTRACTOR SHALL VERIFY THAT ALL SETS OF PLANS AND SPECIFICATIONS ARE CURRENT AND APPROVED FOR
:TION.

BUILT SET OF PLANS FOR UPDATING BY REDLINE SHALL BE ON SITE AT ALL TIMES AND BE AVAILABLE TO THE ENGINEER.
. BE USED ONLY AS BUILT UPDATING. VERIFICATION THAT AS BUILT DRAWINGS ARE CURRENT IS A REQUIREMENT FOR PROGRESS PAYMENT REQUEST SUBMITTAL.

13. CONTRACTOR AND ALL SUBCONTRACTORS SHALL POSSESS VALID CONTRACTOR LICENSES AND CURRENT CITY BUSINESS LICENSES. ONSITE VENDORS SHALL ALSO BE IN COMPLIANCE WITH LOCAL BUSINESS LICENSE REQUIREMENTS.

14. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCE TO SECURE THE WORK AND WORKSITE FROM DAMAGE AND THEFT. CONTRACTOR SHALL REPAIR OR REPLACE ANY LOSS OR DAMAGE INCURRED UNTIL WRITTEN ACCEPTANCE OF THE WORK BY THE CITY.

15. CONTRACTOR IS LIABLE FOR ALL INJURY OR DAMAGE CAUSED BY ANY WORK, STORAGE OF MATERIALS AND EQUIPMENT, AND ANY OTHER ACTIVITY ON THE SITE.

16. THE CONTRACTOR SHALL FULLY ASSUME RESPONSIBILITY FOR ANY DAMAGES TO EXISTING FACILITIES, BUILDINGS, UTILITIES, STRUCTURES, OR OTHER APPURTENANCES DUE TO CONTRACTOR'S, SUBCONTRACTOR'S, VENDORS OR EMPLOYEES WHETHER INTENTIONAL OR ACCIDENTAL.

17. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOBSITE AND ANY DISCREPANCY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR REVIEW. WORK AT OR AFFECTED BY ANY CONFLICT SHALL BE HALTED UNTIL A RESOLUTION OR REVISION HAS BEEN DETERMINED.

18. THE CONTRACTORS WORK FORCE SHALL CONSIST OF PERSONS SKILLED IN THE TRADES AND TYPE OF WORK INVOLVED. LESS TRAINED WORKERS SHALL BE CLOSELY SUPERVISED BY SKILLED TRADESMEN.

19. THESE PLANS AND REFERENCES HEREIN ARE HEREBY MADE A PART OF THE SPECIFICATIONS AND CONTRACTUAL AGREEMENT.

20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE CITY ENGINEER.

21. THERE SHALL BE NO ABOVE-GROUND OBSTRUCTION IN ANY PORTION OF THE SIDEWALK EXCEPT WHERE THE WIDTH, EXCLUSIVE OF THE TOP OF CURB, IS 6 FT. OR GREATER. A CLEAR WALKING PATH OF AT LEAST FOUR (4) FT. MIN. SHALL BE MAINTAINED AT ALL TIMES.

22. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARDS TO SAFETY ORDERS AND THE CONTRACTOR SHALL COMPLY IN ALL WAYS WITH THE REQUIREMENTS THEREOF. ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA.

23. INSPECTION PROVIDED BY THE CITY CAN IN NO WAY BE CONSTRUED AS SAFETY INSPECTION.

24. PRIOR TO STARTING AND/OR DURING ALL WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH THE "CALIFORNIA SAFETY AND HEALTH ACT 1976" INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.

25. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE CITY OF COMPTON PRIOR TO START OF ANY WORK. CONTRACTOR SHALL IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO PROVIDE SAFETY TO THOSE ON THE SITE AND TO THE MOTORING AND PEDESTRIAN PUBLIC.

26. CONTRACTOR SHALL MAINTAIN AND RESTORE ALL TRAFFIC SIGNS ERECT AND IN SAME POSITION AS ORIGINALLY FOUND.

27. NO REPRESENTATIVE OF THE CITY OR ITS AGENCIES WILL SURVEY OR OTHERWISE LAYOUT ANY PORTION OF THE WORK.

28. CONTRACTOR SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS FOR OPEN EXCAVATIONS" AS SHOWN IN THE LOS ANGELES COUNTY PUBLIC WORKS STANDARD 6008-0.

29. AT JOBSITE, ALL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF Cal/OSHA. ALL REQUIRED JURISDICTIONALLY REQUIRED NOTICES SHALL BE DISPLAYED AT SITE.

30. THE CONTRACTOR'S ATTENTION IS EXPRESSLY DIRECTED TO ALL THE REQUIREMENTS AND PROVISIONS OF THE STATE OF CALIFORNIA SAFETY REGULATIONS. CONFORMANCE THERETO SHALL BE STRICTLY ENFORCED THROUGH THE DURATION OF THE PROJECT.

31. BARRICADES WITH FLASHING LIGHTS ARE TO BE MAINTAINED ON ALL OBSTRUCTIONS WITHIN STREET RIGHTS OF WAY AND PEDESTRIAN OR VEHICLE ACCESSIBLE AREAS AT ALL TIMES DURING THE PROJECT. CONSTRUCTION WARNING SIGNS AND FLAGGERS ARE TO BE IN PLACE DURING ALL TIMES OF WORK.

32. CONTRACTOR SAFETY PROGRAM TO BE IN PLACE AND AVAILABLE FOR EXAMINATION BY THE ENGINEER. IT SHALL BE KEPT AT THE JOBSITE OFFICE OR IN THE VEHICLE OF THE ONSITE SUPERVISION.

33. THE CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED PERMITS FOR CONSTRUCTION OF THE PROJECT FROM THE CITY OF COMPTON AND ANY AGENCIES HAVING JURISDICTION, AT CONTRACTOR'S EXPENSE.

34. ALL CONTRACTOR EQUIPMENT SHALL HAVE BEEN INSPECTED AND PERMITTED BY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR EMISSION COMPLIANCE.

35. PERMIT AND INSPECTIONS FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS SPECIFIED TO BE REIMBURSED OR TO BE AT NO COST.

36. CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS AND REQUIREMENTS OF ALL PERMITS PERTAINING TO THE PROJECT. THE REQUIREMENTS THEREIN ARE BY REFERENCE INCLUDED IN THE CONTRACT.

37. SEPARATE PERMIT FOR WORK IN ANY STATE HIGHWAY MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 120 SOUTH SPRING STREET, LOS ANGELES CA.

38. CONTRACTOR SHALL COMPLY WITH ALL STORMWATER POLLUTION CONTROL, NPDES AND REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) REQUIREMENTS, INCLUDING BUT NOT LIMITED TO BEST MANAGEMENT PRACTICE (BMPs).

39. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ALL DAMAGE THAT MAY OCCUR FROM STORM WATER AND/OR DEPOSITION OF DEBRIS FROM ANY AND ALL WORK IN CONNECTION WITH PROJECT CONSTRUCTION.

40. CONTRACTOR SHALL MAINTAIN EXISTING PROJECT AREA DRAINAGE AND SHALL INSTALL ADDITIONAL TEMPORARY DRAINAGE SYSTEMS TO PROTECT THE SITE AND ADJACENT PROPERTIES.

41. CONTRACTOR SHALL KEEP THE SITE CLEAN AND FREE OF RUBBISH. TRASH AND EXCESS MATERIALS SHALL BE DISPOSED OF OFFSITE DAILY.

42. CONTRACTOR SHALL PROVIDE FOR DUST CONTROL AT ALL TIMES TO THE SATISFACTION OF THE CITY ENGINEER AND ANY AGENCY HAVING JURISDICTION, AND SHALL BE IN COMPLIANCE WITH THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (A.Q.M.D.) RULE 403 FOR DUST CONTROL AND MITIGATION.

43. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE INCURRED DURING THE PROGRESS OF THE PROJECT, WITHOUT REGARD TO FAULT OR CAUSE.

44. CALL UNDERGROUND SERVICE ALERT, 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WHICH MAY DAMAGE OR INTERRUPT THE SERVICE OF ANY UNDERGROUND UTILITY.

45. THE CONTRACTOR IS FULLY RESPONSIBLE FOR KNOWING THE LOCATION OF ALL UTILITIES AND SHALL COMPLY WITH ALL UTILITY NOTES ON THE PLANS AND SPECIFICATION. THE CONTRACTOR SHALL FULLY COORDINATE ALL HIS WORK WITH AFFECTED UTILITY COMPANIES AND AGENCIES FOR ALL UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT.

46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITY LINES, VALVES, METERS, ETC. WITHIN THE LIMITS OF WORK WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT.

47. CONTRACTOR SHALL KEEP ALL TRAFFIC SIGNAL LIGHTS IN OPERATION AT STREET INTERSECTIONS AFFECTED BY UTILITY CONSTRUCTION OR PAVING WORK.

48. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

49. SOUTHERN CALIFORNIA EDISON CO. SHALL BE NOTIFIED FOR ANY ELECTRICAL MANHOLES, VAULTS, OR PULL BOXES WHICH REQUIRE ADJUSTMENT. ANY POLE RELOCATIONS WILL BE BY THE OWNING UTILITY.

50. POWER POLE PROTECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SOUTHERN CALIFORNIA EDISON CO.

51. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE OWNER OF ANY GAS FACILITY VALVE COVERS AND COORDINATE THEIR ADJUSTMENT TO GRADE OR OTHER RELOCATION AS REQUIRED.

52. TELEPHONE AND CABLE MANHOLES, VAULTS, BOXES AND APPURTENANCES SHALL BE PROTECTED FROM THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AND COORDINATE ANY WORK WHICH WILL REQUIRE ADJUSTMENT OF COMMUNICATION FACILITIES. ACCESS FACILITIES SHALL BE ADJUSTED TO GRADE IF REQUIRED.

53. APPROVAL OF THESE PLANS BY THE CITY OR THEIR REPRESENTATIVES DOES NOT CONSTITUTE A REPRESENTATION AS TO ACCURACY OF THE LOCATION, EXISTENCE, OR ABSENCE OF ANY UNDERGROUND STRUCTURE OR UTILITY WITHIN THE PROJECT AREA LIMITS.

54. ALL CONSTRUCTION JOINTS FOR P.C.C. CURBS, GUTTERS, AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK" LATEST EDITION).

55. ANY BROKEN CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, TREE WELLS OR ANY OTHER STRUCTURES SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER RECOMMENDATION BY THE CITY PROJECT INSPECTOR WITH NO EXTRA COMPENSATION, THE CONTRACTOR IS RESPONSIBLE TO FIELD CHECK FOR SUCH CONDITIONS PRIOR TO SUBMITTAL OF BID.

56. ALL SIDEWALK, CURB AND GUTTER REPAIRS SHALL JOIN WITH THE EXISTING AT THE NEAREST CONSTRUCTION JOINTS AND BE ADJUSTED TO MATCH WITH THE GRADE OF THE EXISTING CONCRETE STRUCTURES.

57. PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED IN GUTTER, SIDEWALK, CURB AND RAMP JOINTS AT UNIFORM INTERVALS NOT TO EXCEED 25 FT., AT THE TOP OF "X" OF DRIVEWAYS, AT THE END OF CURVES, AND HANDICAP RAMPS.

58. HANDICAP RAMPS SHALL BE INSTALLED AT ALL NEW AND REPLACEMENT INTERSECTION SIDEWALK, CURB AND GUTTER INSTALLATIONS. TRUNCATED DOME ADA COMPLIANT DETECTABLE SURFACES SHALL BE INSTALLED, COLOR TO BE SELECTED BY THE CITY.

59. ALL SURFACES TO BE JOINED SHALL BE CLEANED, PREPARED, ABRADED, PRIMED, AND OTHERWISE BE MADE READY FOR JOINING WITH THE NEW CONSTRUCTION.

60. ALL NEW SIDEWALK, CURB, GUTTER, SLABS AND OTHER EXPOSED CONCRETE SURFACES SHALL BE FINISHED TO MATCH THE EXISTING SURFACES. IN THE EVENT THERE ARE DIFFERING ADJACENT SURFACES, THE ENGINEER SHALL SELECT THE SURFACE TO MATCH OR DIRECT THE FINISH TO BE APPLIED TO THE NEW OR REPLACED WORK.

61. ABANDON EXISTING FIRE HYDRANT AS REQUIRED FOR RELOCATION OF NEW FIRE HYDRANT. EXISTING FIRE HYDRANT AND RISER SHALL BE REMOVED AND IMPROVEMENTS RESTORED AS PART OF INSTALLATION OF NEW FIRE HYDRANT ASSEMBLY.

62. AGGREGATE BASE TO BE COMPACTED TO A MINIMUM OF 95%, SUB-BASE TO BE COMPACTED TO A MINIMUM OF 90%. REFERENCE SSPWC SECTIONS 211-1 / 306-1, UNLESS OTHERWISE NOTED.

63. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE UNDISTURBED BOTTOM AND SIDES OF THE EXCAVATION.

64. SANITARY SEWER, WATER, STORM DRAIN, VAULT, AND OTHER MANHOLE FRAME AND COVER ASSEMBLIES SHALL BE RAISED TO NEW GRADE IF DISTURBED. USE OF CAST FERROUS RAISING RINGS IS NOT ACCEPTABLE.

65. COMPLETED ASPHALT PAVING OR REPAIR PAVING SHALL BE COMPACTED BY ACCEPTABLE MEANS TO PROVIDE A SURFACE FREE OF DEPRESSIONS, BUMPS, RIDGES OR OTHER IRREGULARITIES OR OTHER MARKINGS.

66. PAVEMENT MARKINGS SHALL BE REPLACED USING THE CURRENT MARKING METHOD IN USE BY THE CITY FOR NEW INSTALLATIONS. MARKINGS SHALL COMPLY WITH ALL JURISDICTIONAL REQUIREMENTS.

67. ALL CONSTRUCTION STAKING AND RELATED SURVEYS SHALL BE PROVIDED BY THE CONTRACTOR.

68. CONTRACTOR SHALL PROTECT ALL STREET CENTERLINE MONUMENTS AND TIES. ANY CENTERLINE MONUMENTS/TIES DISTURBED DURING THE CONSTRUCTION SHALL BE RESET BY THE CONTRACTOR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS AND RECORDED WITH LOS ANGELES COUNTY AT NO COST TO THE CITY.

69. CONTRACTOR SHALL UTILIZE A LICENSED SURVEYOR SERVICE TO INVESTIGATE THE PROJECT AREA, TIE OUT ANY MONUMENT WHICH MAY BE DISTURBED AND TO RESET AND RECORD THE SURVEY WITH THE COUNTY WHERE REQUIRED. LOCATE ALL MONUMENTS AND VERIFY TIE OUTS PRIOR TO BEGINNING CONSTRUCTION.

70. ELEVATIONS ARE IN FEET ABOVE U.S.C. AND G.S. SEA LEVEL, DATUM AS SHOWN, AND REFERENCED LOCAL BENCHMARKS.

71. IN ADDITION TO "AS BUILTS" CONTRACTOR SHALL PROVIDE GRADE SHEETS WITH STATIONING REPRESENTING COMPLETED WORK AS CONSTRUCTED. STATIONING OF ALL CONNECTIONS SHALL BE SHOWN.

72. THE CONTRACTOR ACKNOWLEDGES BY ENTERING INTO THE CONTRACT FOR THE WORK THAT ALL NECESSARY INSPECTIONS AND INVESTIGATIONS WERE UNDERTAKEN PRIOR TO BID AND CONTRACT EXECUTION.

73. SUFFICIENTLY PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL INVESTIGATE THE AREA OF THE PROPOSED NEW CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS WHICH REQUIRE REVISION OF THE WORK. EXTRA WORK INCURRED BY CONFLICTS ENCOUNTERED DURING PERFORMANCE OF THE WORK WHICH SHOULD HAVE BEEN APPARENT TO THE INVESTIGATION WILL NOT JUSTIFY ADDED COSTS.

74. THE CONTRACTOR SHALL REVIEW AND VERIFY CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PORTION OF THE WORK. COMPARE ACTUAL CONDITIONS WITH DRAWINGS TO ASCERTAIN CONDITIONS UNDER WHICH WORK IS PERFORMED: CHECK AND CONFIRM LOCATION OF EXISTING STRUCTURES, EQUIPMENT, AND UTILITIES WHICH MAY AFFECT WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE FULL ACCEPTANCE OF THE EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER FOR RESOLUTION PRIOR TO COMMENCEMENT OF WORK.

75. ANY PLANTED AREAS DISTURBED BY THE WORK SHALL HAVE ALL ROOTS AND DELETERIOUS MATERIALS REMOVED AND BE REPLANTED INCLUDING NEW TOPSOIL AND ROOT BARRIERS INSTALLED TO PROVIDE A COMPLETE REPLACEMENT OF THE ORIGINAL TO THE SATISFACTION OF THE ENGINEER.

76. ALL TREES TO REMAIN SHALL BE PROTECTED IN PLACE AND BE WATERED AND TRIMMED AS SCHEDULED BY OWNER IF ACCESS IS IMPEDED.

ROADWAY RECONSTRUCTION GENERAL NOTES

1. CURB AND GUTTER TO BE REPLACED TO MATCH EXISTING AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS.

2. JOIN NEW CURB AND GUTTER TO ASPHALT PAVEMENT PER DETAILS SHOWN OR REFERENCED. CONSTRUCT CURB AND GUTTER TYPE A1-6 (150) AND A1-8 (200) PER THE "GREENBOOK" STD PLAN 120-2 AND CITY REQUIREMENTS UNLESS OTHERWISE SHOWN.

3. JOIN NEW ASPHALT PAVING TO CURB AND GUTTER PER DETAILS SHOWN OR REFERENCED. PRIME ALL AREAS TO BE JOINED. SAWCUT ALL CONCRETE AND ASPHALT PAVING TO BE JOINED PRIOR TO DEMOLITION AND REMOVALS.

4. REPLACE ANY DAMAGED ALLEY APPROACH PER DETAIL HEREIN AS SHOWN AND IN ACCORDANCE WITH "GREENBOOK" STANDARDS. CONCRETE TO BE 520-C-2500. MATCH EXISTING CURB AND GUTTER, SIDEWALK AND ALLEY GRADES. DAMAGED AREAS TO BE REPAIRED SHALL BE REMOVED TO THE NEXT SCORE LINE OR JOINT.

5. ANY NEW CURB AND GUTTER CONSTRUCTED AT EXISTING ASPHALT WEARING COURSE SHALL BE JOINED WITH A MINIMUM SIX INCH NOTCH PER STANDARD DETAIL.

6. DRIVEWAY APPROACHES DISTURBED BY THE WORK SHALL BE REPLACED PER DETAILS HEREIN OR GREEN BOOK STANDARDS.

7. REPLACE DISTURBED TRAFFIC LOOPS & DETECTION SYSTEM COMPLETE & OPERATIONAL.

8. COUNTY AND CITY STANDARDS SHALL BE FOLLOWED FOR STENCIL MARKING ALL CATCH BASINS OR STORM DRAIN INLETS WHICH HAVE BEEN INSTALLED OR DISTURBED BY THE CONSTRUCTION.

9. MANHOLE FRAME AND COVERS, UTILITY VAULTS, VALVE BOXES, AND OTHER UTILITY ACCESS STRUCTURES SHALL BE RAISED TO MATCH FINISH SURFACE IN ACCORDANCE WITH STANDARD SPECIFICATIONS, CITY AND COUNTY REQUIREMENTS.

10. BLUE REFLECTORS SHALL BE INSTALLED ON THE ROADWAY SURFACE AT THE REQUIRED LOCATIONS TO INDICATE THE LOCATION OF EACH HYDRANT. REFLECTORS SHALL BE IN ACCORDANCE WITH FIRE DEPARTMENT REGULATIONS.

11. ALL WORK IN COUNTY ROADWAY SHALL BE IN ACCORDANCE WITH LACDPW REQUIREMENTS AND SHALL BE INSPECTED BY LACDPW. CONTRACTOR SHALL APPLY FOR AND OBTAIN COUNTY PERMIT AT CONTRACTOR'S EXPENSE.

12. THE EXISTENCE AND LOCATION OF ANY MANHOLES, UTILITY VAULTS, PULL BOXES, WATER METERS, VALVES AND OTHER UTILITIES ARE OBTAINED THROUGH TOPOGRAPHIC SURVEY AND ARE TO BE PROTECTED WITHIN THE AFFECTED WORK AREA WITHOUT ADDITIONAL COST TO THE OWNER.

13. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC AS SPECIFIED, PER CALTRANS 84 AND PER CITY OF COMPTON REQUIREMENTS.

GENERAL SIGNAGE AND STRIPING NOTES

1. ALL STRIPING AND SIGNAGE REQUIRED TO RESTORE DAMAGE TO EXISTING SHALL BE DONE IN CONFORMANCE WITH THE APPLICABLE CALTRANS STANDARD PLANS AND PROVISIONS OF THE CALTRANS STANDARD SPECIFICATIONS, INCLUDING SECTION 84 AND CITY AND COUNTY STANDARDS AND REQUIREMENTS.

2. COMPLY WITH ALL MARKING REQUIREMENTS OF AGENCY HAVING JURISDICTION. PAVEMENT LEGENDS SHALL CONFORM TO CITY OF COMPTON STENCILS. SIGNS, STRIPES AND PAVEMENT LEGENDS SHALL BE REFLECTORIZED.

3. TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 84 AND PROJECT BID DOCUMENTS.

4. STENCILS ARE REQUIRED AT ALL CATCH BASINS. CATCH BASIN MARKINGS MAY BE PAINTED.

5. REPLACE ALL SIGNAGE DAMAGED BY THE WORK IN KIND WITH NEW PER BID DOCUMENTS AND CITY / AGENCY / JURISDICTIONAL REQUIREMENTS.

TRAFFIC CONTROL AND SAFETY

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY, INCLUDING SIGNING, BARRICADES, SITE SECURITY, ACCESS, DETOURS, AND DEDICATED TRAFFIC CONTROL PERSONNEL TO PROTECT THE MOTORING AND PEDESTRIAN PUBLIC AND MAINTAIN ACCESS TO PRIVATE PROPERTY DURING WORKING AND NON-WORKING HOURS.

2. THE CONTRACTOR SHALL PREPARE AND SUBMIT A PROJECT TRAFFIC CONTROL PLAN IN CONFORMANCE WITH THE WATCH MANUAL AND THE SPECIFICATIONS WHICH SHALL BE COORDINATED WITH THE CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION, EXCAVATION, PAVING, OR OTHER OPERATIONS THAT WILL DISRUPT TRAFFIC OR ACCESS TO RESIDENCES OR BUSINESSES. PLAN SHALL BE IMPLEMENTED DURING ALL CONSTRUCTION.

3. WHERE PARKING CONTROL IS REQUIRED, APPROVED TEMPORARY DATE LIMITED NO PARKING SIGNS SHALL BE POSTED NO MORE THAN 100 FEET APART AT LEAST 72 HOURS PRIOR TO WORK.

4. DURING PAVING OPERATIONS, THE CONTRACTOR SHALL PROVIDE INDIVIDUALS OR EQUIPMENT DESIGNATED TO PERFORM AND MAINTAIN TRAFFIC CONTROL ONLY.

5. ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES OR FLAGGER CONTROL OF TRAFFIC SHALL BE IMPLEMENTED.

6. EACH EXCAVATION LEFT OVERNIGHT SHALL BE SECURED WITH PLATES PER CALTRANS AND SHALL HAVE MINIMUM 3 FLASHING BARRICADES EACH DIRECTION AT EXCAVATION AT MAXIMUM SPACING OF 20 FEET.

SEQUENCE NOTES

1. A COMPLETE SCHEDULE OF THE WORK SHOWING THE FOLLOWING SEQUENCE SHALL BE PREPARED: VERIFY & TIE OUT MONUMENTS, TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS, AND MATERIAL SUBMITTALS, SET UP FACILITIES AND LAY DOWN AREA,SURVEY AND STAKING FOR CONSTRUCTION, SAWCUT, PAVING REMOVAL AND DISPOSAL, REMOVAL OF CONCRETE IMPROVEMENTS, TRENCHING AND DISPOSAL OF EXISTING PIPE, STRUCTURES REMOVAL AND DISPOSAL, WATER MAIN CONSTRUCTION, VALVE BOX CONSTRUCTION, SERVICE CONNECTION AND CONSTRUCTION, PIPELINE TESTING, PIPELINE DISINFECTION, BACKFILL AND COMPACTION, PREPARATION OF BASE, PAVEMENT GRIND, PAVING BASE COURSE, PAVING WEAR COURSE, ADJUSTMENT OF VALVE BOXES AND RELATED COVERS/BOXES TO GRADE, RESTORATION OF CONCRETE IMPROVEMENTS, RE-STRIPING, PAVEMENT MARKER REPLACEMENT, PLACEMENT OF SIGNAGE, AS BUILTS, CLEAN UP AND MOVE OFF.

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PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
GENERAL NOTES

JOB No. CIP#10-18/JN120S
DRAWING No. G-2
SHEET 02 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\GS- GENERAL NOTES.dwg 01/04/16 11:04am

WATER MAIN CONSTRUCTION GENERAL NOTES

1. REMOVE AND LEGALLY DISPOSE OF EXISTING ASBESTOS CEMENT PIPE. ALL LEGALLY MANDATED MEASURES SHALL BE TAKEN TO CONTAIN ALL MATERIALS FROM THE ACP. THE PUBLIC SHALL BE ISOLATED FROM ALL DEBRIS FROM THE PIPE OR ADJACENT CONTAMINATED SOILS OR OTHER MATERIALS. ADDITIONAL REQUIREMENTS ARE LISTED IN THE PROJECT SPECIFICATIONS.

2. WATER MAIN PIPE SHALL BE DUCTILE IRON MINIMUM THICKNESS CLASS 52, PRESSURE CLASS 350, DOUBLE CEMENT MORTAR LINED, UNLESS NOTED OTHERWISE.

3. ALL FITTINGS SHALL BE RATED EQUAL TO OR GREATER THAN THE REQUIRED PIPE CLASSIFICATIONS.

4. WHERE DIRECTED, REPLACE IRON RESIDENTIAL AND COMMERCIAL SERVICES SHOWN OR WHICH ARE DISTURBED OR DISCONNECTED BY THE CONSTRUCTION. ALL SERVICES SHALL INCLUDE SERVICE CLAMP, CORPORATION STOP, COPPER TYPE K TUBE, AND CURB STOP. COPPER SHALL BE FIELD BENT PER PLUMBING CODE STANDARDS. IF CONNECTION BETWEEN COPPER PIPES IS REQUIRED, SILVER SOLDER SHALL BE USED. COPPER SERVICES SHALL BE RECONNECTED AS A PART OF WATERMAIN INSTALLATION. COMPRESSION COUPLING OPTIONAL PENDING CITY APPROVAL.

5. WHERE DIRECTED, REMOVE EXISTING METER BOXES AND INSTALL NEW METER BOXES AT ALL NEW OR REPLACED RESIDENTIAL AND COMMERCIAL SERVICE CONNECTION LOCATIONS.

6. ANY SEWER LATERAL DAMAGED BY THE CONSTRUCTION SHALL BE REPLACED FROM SEWER MAIN TO RECONNECT AT SOUND PIPE. AT NO COST TO THE CITY.

7. PROVIDE NEW BLOW OFF ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS WHEN SO DIRECTED BY THE ENGINEER.

8. PROVIDE NEW COMBINATION VACUUM RELIEF / AIR RELEASE VALVE ASSEMBLY PER PLAN DETAIL AND SPECIFICATION REQUIREMENTS AT LOCATIONS SHOWN ON THE PLANS OR AT HIGH POINTS WHEN SO DIRECTED BY THE ENGINEER.

9. ALL NECESSARY TRANSITION FITTINGS SHALL BE PROVIDED AND INSTALLED TO CONNECT THE NEW PIPING, VALVES, AND FITTINGS TO EXISTING PIPING AND APPURTENANCES OF DISSIMILAR MATERIALS AS AN INTEGRAL PART OF THE WORK REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

10. ALL GATE AND BUTTERFLY VALVES SHALL BE INSTALLED COMPLETE WITH VALVE BOX ASSEMBLIES WITH A CAST COVER MARKED AND PAINTED IN ACCORDANCE WITH COMPTON WATER DEPARTMENT REQUIREMENTS AND PER PLAN DETAIL.

11. CONSTRUCTION PERMIT AND ALL JURISDICTIONAL PERMITS SHALL BE OBTAINED AND PUBLIC WORKS/JURISDICTIONAL CONSTRUCTION INSPECTION SCHEDULED PER CITY AND/OR JURISDICTIONAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.

12. THRUST BLOCKS, PER APPLICABLE PLAN DETAILS, SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION OF THE PIPING (INCLUDING TEES AND PIPE CAPS). ALL THRUST BLOCKS SHALL BEAR UPON UNDISTURBED SOLID SOIL WITH A BEARING AREA PER CHART SHOWN WITH THRUST BLOCK DETAILS. GREASE ALL PIPE AND FITTING CONTACT AREAS. DO NOT COVER ANY PIPE JOINT WITH CONCRETE. UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH ADDITIONAL CONCRETE THRUST BLOCK MATERIAL. SHOULD EXTENSIVE UNSUITABLE SOIL BE ENCOUNTERED, THE WORK SHALL BE SUSPENDED AND THE ENGINEER NOTIFIED. WORK SHALL BE DISCONTINUED IN THE IMMEDIATE AREA UNTIL WRITTEN DETERMINATION MADE. VERTICAL DIRECTION CHANGE OR FITTINGS SHALL BE STRAPPED PER DETAILS.

13. ANY VALVE OR FITTING INSTALLED FOR FUTURE USE SHALL BE PRESSURE CAPPED, PLUGGED, OR BLIND FLANGED TO SECURE THE LINE AND PREVENT LEAKAGE. THRUST BLOCK SHALL BE INSTALLED.

14. ALL FIRE HYDRANT INSTALLATIONS INCLUDE CONNECTION TO THE WATER MAIN, THRUST BLOCKS, CUT IN, NEW TEE, ALL PIPE AND FITTINGS, NEW 6" CUT OFF GATE VALVE, VALVE BOX COMPLETE PER DETAIL INCLUDING CONCRETE COLLAR, 6" CLOW MODEL 850 WET BARREL HYDRANT, CONCRETE PAD, BREAKAWAY BOLTING, DISINFECTION, TESTING, DEMOLITION AND DISPOSAL, PAVING REMOVAL, TRENCHING, INSTALLATION, BACKFILL, PAVING AND IMPROVEMENTS RESTORATION, AND ALL APPURTENANCES COMPLETE IN PLACE OPERATIONAL AND ACCEPTABLE TO THE CITY AND THE COUNTY FIRE DEPARTMENT. NEW, RELOCATED OR RECONDITIONED HYDRANTS WHERE PAINTING SYSTEM NOT SPECIFIED SHALL BE PAINTED WITH TWO COATS OF ZINC CHROMATE PRIMER AND TWO COATS OF INDUSTRIAL SEVERE SERVICE ENAMEL IN SCHOOL BUS / CAUTION YELLOW PER CITY AND WATER DEPARTMENT STANDARDS. RELOCATED HYDRANTS SHALL BE RECONDITIONED TO A NEW CONDITION. FITTINGS AND VALVES SHALL NOT BE REUSED. BACKFILL ABOVE PIPE ZONE TO BASE OF IMPROVEMENT SHALL BE SLURRY.

15. CONTRACTOR SHALL PROVIDE ALL NECESSARY ASSISTANCE, MATERIALS AND EQUIPMENT FOR ANY FIRE DEPARTMENT REQUIRED PROOF TESTING. HYDRANT FAILING TO MEET THE FIRE DEPARTMENT STANDARDS OR TESTING SHALL BE CORRECTED OR REPLACED AND RETESTED TO FIRE DEPARTMENT SATISFACTION.

16. TEE CUT REQUIRED FOR ASPHALT CONCRETE PAVING REPAIR AT ALL TRENCH AND EXCAVATION IN PAVED AREAS. ALL EDGES SHALL BE SAWCUT TO RECTANGULAR PATTERN AFTER TRENCH IS BACKFILLED AND BEFORE ASPHALT REPAIR. PRIME ALL CONTACT AREAS. IF TRENCH EDGE IS WITHIN FOUR FEET OF GUTTER OR CURB CONTINUE THE 2 INCH GRIND TO EDGE OF PAVEMENT, OR REMOVE AND REPLACE PAVING FROM TRENCH TO GUTTER. REPLACEMENT AC SHALL BE OF MINIMUM THICKNESS SHOWN AND 1 INCH GREATER IN THICKNESS THAN THE EXISTING SECTION. ASPHALT REMOVED SHALL BE DISPOSED OFFSITE AND MAY NOT BE USED IN BACKFILL.

17. TRENCH CUT IN EXISTING PCC STREET OR ALLEY SHALL BE SAWCUT BEFORE REMOVAL OF ROADWAY SURFACE. CONCRETE SHALL BE LEGALLY DISPOSED OF OFFSITE AND MAY NOT BE USED IN BACKFILL. PCC SHALL BE SAWCUT TO PROVIDE STRAIGHT RECTANGULAR JOINTS. BASE MATERIAL REMOVED SHALL BE REPLACED WITH CONCRETE. NEW CONCRETE ROADWAY MINIMUM 1" GREATER IN THICKNESS THAN THE EXISTING SECTION AND A MINIMUM 6" THICKNESS SHALL BE CONSTRUCTED WITHIN THESE LIMITS. EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM SPACING OF 30 FEET. CONCRETE SHALL BE 520-A-2500 MINIMUM.

18. REMOVE EXISTING WATER PIPE, FITTINGS, APPURTENANCES, VALVES AND DISPOSE OFF-SITE. ALL EXCAVATION AND DEMOLITION, REMOVAL TRANSPORT AND DISPOSAL SHALL BE IN ACCORDANCE WITH LEGAL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO SCAQMD, OSHA, CAL-OSHA, HEALTH DEPARTMENT, STATE, FEDERAL AND LOCAL REQUIREMENTS. PIPE REMOVAL INCLUDES ALL APPURTENANCES. REPLACE WITH NEW DUCTILE IRON PIPE, FITTINGS, VALVES, SERVICES, HYDRANTS, APPURTENANCES AND CONNECTIONS OF THE SIZES, TYPES AND CONFIGURATIONS SHOWN AND SPECIFIED. GROUP NEW VALVES AT TEE/ CROSS WHEREVER POSSIBLE.

19. CONTRACTOR TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS WHOSE WATER SERVICE WILL BE AFFECTED BY THE CONSTRUCTION 72 HOURS PRIOR TO DISCONTINUANCE OF SERVICE, THEN AT 24 HOURS IN ADVANCE OF SHUT OFF AND CHANGE OVER. HIGHLINE SERVICES REQUIRED FOR ALL AFFECTED OCCUPANTS.

20. WHERE STEEL PIPE INSTALLATION IS REQUIRED, IT SHALL BE DOUBLE CEMENT MORTAR LINED (AND EPOXY OR CEMENT MORTAR COATED AS SHOWN OR REQUIRED), WELDED CONNECTIONS AND COMPLETELY PATCHED INSIDE AND OUT PRIOR TO ACCEPTANCE AND BEING PLACED IN SERVICE. PRESSURE TEST AND DISINFECTION REQUIRED PER AWWA.

21. BACKFILL AT WATER MAINS ABOVE PIPE ZONE TO LOWER LIMIT OF PAVING SHALL BE THREE QUARTER SACK SAND CEMENT SLURRY ABOVE PIPE ZONE BEDDING.

22. INSTALLATION OF HDPE PIPE BY DIRECTIONAL DRILLING AT INTERFERING UTILITY CROSSING LOCATIONS MAY BE PERMITTED AS OPTIONAL METHOD SUBJECT TO APPROVAL BY JURISDICTIONAL AUTHORITIES. SUBMITTAL OF METHOD REQUIRED. SDR/DR AS REQUIRED BY ENGINEER.

SEWER CONSTRUCTION GENERAL NOTES

1. SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND PUBLIC WORKS CONSTRUCTION INSPECTION SCHEDULED PER CITY REQUIREMENTS. PERMIT FROM OTHER JURISDICTIONS FOR EXCAVATION IN STREETS IS RESPONSIBILITY OF CONTRACTOR.

2. THE CONTRACTOR SHALL PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE STATIONED ON THE LINE CONNECTING THE CENTERLINE OF MANHOLES SHOWING LATERALS.

3. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "G" IN ACCORDANCE WITH SECTION 208-2 OF THE STANDARD SPECIFICATIONS.

4. HOUSE LATERALS TO BE REPLACED SHALL BE CONSTRUCTED TO PROPERTY LINE AND CONNECTED OR CAPPED AS REQUIRED. ALL CONNECTION PER LACSD AND CITY STANDARDS. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED. FOR POWER POLE WITHIN THREE FEET OF THE SEWER PIPE, THE SEWER SHALL BE ENCASED PER LACDPW STANDARD PLAN 2023-2, CASE II, FOUR FEET EACH WAY FROM LIMITS OF POLE.

5. CONNECTIONS BETWEEN VITRIFIED CLAY AND CAST/DUCTILE IRON PIPES SHALL BE MADE USING RUBBER SLEEVE JOINT, TYPE "D" PER STANDARD SPECIFICATIONS SECTION 208-2. BUSHING INSTALLED IF REQUIRED.

6. SEWER WYE AND LATERAL DETAILS AND STANDARD DETAILS ARE SHOWN OR REFERENCED. NEW LATERAL FROM NEW SEWER TO JOIN PER DETAIL. LATERALS AND WYES TO BE LOCATED AT LEAST FIVE FEET APART AND MINIMUM FIVE FEET FROM ANY MANHOLE IN ACCORDANCE WITH LOS ANGELES COUNTY PUBLIC WORKS AND LACSD STANDARDS.

7. VITRIFIED CLAY PIPE LATERALS OR SEWERS FOUND TO HAVE LESS THAN FOUR FEET OF COVER SHALL BE ENCASED PER LOS ANGELES COUNTY STANDARD PLAN 2023-2, CASE II, AS A PART OF THE SEWER MAIN LINE CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

8. WHERE PVC SEWER IS ALLOWED, PIPE SHALL BE SDR 26 OR HEAVIER AND BE SPECIFICALLY APPROVED FOR SANITARY SEWER SERVICE. DETAILED SUBMITTAL AND APPROVAL, PRIOR TO USE, ARE NECESSARY.

9. FOR SEWER PIPES WITHIN THE VICINITY OF POTABLE WATER PIPES, REFER TO AND COMPLY WITH THE COUNTY DEPARTMENT OF HEALTH, COUNTY PUBLIC WORKS, CA DEPT. OF HEALTH AND THE STANDARD DETAILS HEREIN.

10. MANHOLES PRECAST PER APWA STANDARD PLAN 200-2 OR PER L.A. COUNTY DEPT. OF PUBLIC WORKS STANDARD PLAN 2003-2 EXCEPT AS NOTED OR DETAILED OTHERWISE. MANHOLES AT LACSD CONNECTION POINTS SHALL MEET LACSD REQUIREMENTS.

11. RESURFACE/REPLACE PAVED SURFACES AS SHOWN AND PER STANDARD DETAILS. LOCAL INSPECTION AND JURISDICTIONAL AGENCY INSPECTION REQUIRED. TEE CUT AND ALL REQUIREMENTS FOR JOINING EXISTING SHALL BE ENFORCED. PERMIT FOR WORK IN COUNTY STREETS REQUIRED AT CONTRACTOR'S EXPENSE.

12. BACKFILL IN STREET SHALL BE IN FULL COMPLIANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 217-2. EXCEPT AS MODIFIED HEREIN. CERTIFICATION OF THE BACKFILL MATERIALS AND COMPACTION SHALL BE PERFORMED BY AN INDEPENDENT AND CERTIFIED TESTING SERVICE AND LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND APPROVED BY THE CITY AND THE ENGINEER. ALL COMPLIANCE TEST RESULTS SHALL BE SUBMITTED, THREE RING BOUND, TO THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.

13. BACKFILL OUTSIDE OF PAVED, RIGHT OF WAY, OR IMPROVED AREAS SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D 1557-78, METHOD "D" UNLESS OTHERWISE SPECIFIED. THE COMPLIANCE TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT LABORATORY ENGAGED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE AND ACCEPTABLE TO THE CITY ENGINEER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE CITY BOUND CHRONOLOGICALLY IN A 3 RING BINDER PRIOR TO PROJECT ACCEPTANCE BY THE CITY.

14. TOP OF MANHOLE TO BE SIX (6") INCHES ABOVE FINISHED GRADE IN ANY UNIMPROVED RIGHT OF WAY.

15. LEAKAGE TESTING TO BE PER SECTION 306-7.8.2.4. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION UNLESS MORE STRINGENT TESTING IS SPECIFIED OR REQUIRED BY LOCAL REGULATION, LACDPW OR LACSD.

16. COMPLIANCE WITH THE MOST STRINGENT OF LOS ANGELES COUNTY SEWER STANDARDS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OR PLANS AND SPECIFICATIONS IS REQUIRED UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER.

17. ANY CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE MUST HAVE BEEN ISSUED A COUNTY SANITATION DISTRICTS PERMIT FOR INDUSTRIAL WASTE DISCHARGE AND A COPY THEREOF MUST BE ON SITE FOR INSPECTION BY LOCAL JURISDICTION.

18. BEFORE CONSTRUCTION OF A CONNECTION TO A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT THE LOS ANGELES COUNTY SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED FOR INSPECTION, (TELEPHONE # (310) 638-1161). RECORD OF INSPECTION AND SIGN OFF BY SANITATION DISTRICT IS TO BE SUBMITTED PRIOR TO PROJECT CLOSE OUT.

19. REQUIREMENTS FOR WORKING IN CONFINED SPACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AS AMENDED BY THE SANITATION DISTRICTS AND WITH THE REQUIREMENTS OF Cal/OSHA.

20. SEWER MANHOLES SHALL BE ADJUSTED TO GRADE AS NECESSARY BY THE ADDITION OF PRECAST RINGS OR FORMED CAST IN PLACE CONCRETE AND SHALL BE FINISHED WITH CONCRETE SURFACE TO MATCH EXISTING ASPHALT. FERROUS RAISING RINGS NOT ALLOWED.

21. MANHOLE COVERS SHALL BE PER CITY OR AGENCY STANDARD AND SHALL INCORPORATE THE NAME AND DESIGNATIONS REQUIRED BY THE CITY OR AGENCY.

22. CONTRACTOR TO FIELD LOCATE AND CONNECT ALL EXISTING SEWER LATERALS TO NEW SEWER MAIN LINE. AS A PART OF MAINLINE CONSTRUCTION, CONNECTIONS SHALL BE PER LACSD AND CITY STANDARDS.

23. CONTRACTOR TO PROVIDE A BYPASS OR ALTERNATE METHOD TO MAINTAIN SEWER SERVICEABILITY WHILE CONSTRUCTING NEW SEWER MAIN SEGMENTS IN ACCORDANCE WITH CITY NPDES PERMIT. SUBMIT PROPOSED METHOD FOR REVIEW BY ENGINEER & CITY 72 HOURS PRIOR TO CONSTRUCTION. METHODS TO BE IN ACCORDANCE WITH CITY GENERAL NPDES PERMIT.

24. CONTRACTORS TO NOTIFY BUSINESS/ RESIDENCE OCCUPANTS THAT WILL BE AFFECTED BY THE CONSTRUCTION FOR EACH SEWER SEGMENT 72 HOURS, THEN AT 24 HOURS IN ADVANCE OF INTERRUPTIONS.

LEGEND:

ABAN	ABANDONED	FP	FINISH PAVEMENT	PT	POINT	UTIL CAB	UTILITY CABINET
AC	ACCEPTED	FS	FINISH SURFACE	PTS	POINTS	V	VALVE
AC, ACC	ASPHALTIC CONCRETE	FT	FEET	PT.COM.	POINT OF COMMENCEMENT	VAC	VACATION
ACP	ASBESTOS CEMENT PIPE	FW	FRONT OF WALK	PTR	PRELIMINARY TITLE REPORT	VCP	VITRIFIED CLAY PIPE
ADA	AMERICANS WITH DISABILITY ACT	G	GAS LINE	PUN	PUNCHED	VG	VALLEY GUTTER
AP	ANGLE POINT	GA	GUY ANCHOR	PVC	POLYVINYL CHLORIDE	VLT	VAULT
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	GALV.	GALVANIZED	PVMT.	PAVEMENT	W	WATER LINE
		GFA	GROSS FLOOR AREA	PWD	PARKWAY DRAIN	W	WEST
ARV	AIR RELEASE VALVE	GM , ⧗	GAS METER	PWFB	PUBLIC WORKS FIELD BOOK	W/	WITH
AVE	AVENUE	GP	GUARD POST	R	RECORD	WLY	WESTERLY
AWWA	AMERICAN WATER WORKS ASSOCIATION	GTE	GENERAL TELEPHONE CONDUIT	R	RADIUS	WA	WATER ASSEMBLY
		GTE MH	GENERAL TELEPHONE MANHOLE	R 11 W	RANGE 11 WEST	WDF	WOOD FENCE
BC	BEGINNING OF CURVE	GTE VLT	GENERAL TELEPHONE VAULT	RAD	RADIAL	WIF	WROUGHT IRON FENCE
BCM	BUILDING CORNER-METAL	GV	GATE VALVE	R.C.B.	REINFORCED CONCRETE BOX	WM	WATER METER
BFP	BACKFLOW PREVENTION DEVICE	HC	HANDICAP	RCE	REGISTERED CIVIL ENGINEER	WSO	WATER SHUT OFF VALVE
BFV	BUTTERFLY VALVE	HCR	HANDICAP RAMP	RCLW	RECLAIMED WATER LINE	WV	WATER VALVE
BK.	BOOK	HDPE	HIGH-DENSITY POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE	W VLT	WATER VAULT
BLDG	BUILDING	HWF	HOG WIRE FENCE	RD	ROOF DRAIN	X-ARM	CROSS ARM
BLVD	BOULEVARD	ICB	IRRIGATION CONTROL BOX	R.D.	ROAD DEPARTMENT		
BMPs	BEST MANAGEMENT PRACTICES	ICV	IRRIGATION CONTROL VALVE	RDFB	ROAD DEPARTMENT FIELD BOOK		
BR	BRASS	ILLEG	ILLEGIBLE	REC	RECORD		
BRMP	BOTTOM OF RAMP	IN	INCHES, INLET	REF	REFERENCE		
BSTP	BOTTOM STEP	INST. NO.	INSTRUMENT NUMBER	RET	RETAINING		
BV / BFV	BUTTERFLY VALVE	INT-INTER	INTERSECTION	RR	RAILROAD		
BW	BACK OF WALK	INV	INVERT	R.S.B.	RECORD OF SURVEY BOOK		
BWF	BARBED WIRE FENCE	IP	IRON PIPE	R/W	RIGHT OF WAY		
CA, CAL	CALIFORNIA	L	LENGTH	RWQCB	REGIONAL WATER QUALITY CONTROL BOARD		
CAB	CRUSHED AGGREGATE BASE	LACDPW	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS	S	SEWER LINE		
CADT	CALIF. DEPT. OF TRANSPORTATION			S	SOUTH		
CATV	CABLE TELEVISION	LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	SBL	SETBACK LINE		
CI/CIP	CAST IRON PIPE			S.B.M.	SAN BERNARDINO MERIDIAN		
C&G	CURB AND GUTTER	LACSD	LOS ANGELES COUNTY SANITATION DISTRICT	S'LY	SOUTHERLY		
CB	CATCH BASIN			S&W	SPIKE & WASHER		
CC & R's	COVENANTS, CONDITIONS AND RESTRICTIONS	LACE	LOS ANGELES COUNTY ENGINEER	SCAQMD	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		
		LACS	LOS ANGELES COUNTY SURVEYOR				
CEFB	CITY ENGINEER'S FIELD BOOK	LD	LEGAL DESCRIPTION				
CF	CURB FACE	LF	LINEAR FOOT	SCE	SOUTHERN CALIFORNIA EDISON CO.		
C.F.	CALCULATED FROM	LIP	LIP OF GUTTER	SCO	SEWER CLEAN OUT		
CHIS.	CHISELED	LP	LIGHT POLE	SD	STORM DRAIN		
C/L, Ç ,C	CENTERLINE, CENTER	LS	LICENSED SURVEYOR	SDR	STANDARD DIMENSION RATIO		
CLF	CHAIN LINK FENCE	L&T	LEAD AND TACK	SE	SAND EQUIVALENT		
CMB	CRUSHED MISCELLANEOUS BASE	LT&T	LEAD TACK AND TAG	SE	SOUTHEAST		
CMC	CEMENT MORTAR COATED	LTLT	LOT LIGHT	SE'LY	SOUTHEASTERLY		
CML	CEMENT MORTAR LINED	LT STD	LIGHT STANDARD	SEC	SOUTHEAST CORNER		
CML&C	CEMENT MORTAR LINED & COATED	M	MEASURED	SEC 7	SECTION 7		
CML&E	CEMENT MORTAR LINED & EPOXY COATED	MAX	MAXIMUM	SF	SQUARE FEET		
		M.B.	MAP BOOK	SFN	SEARCHED, FOUND NOTHING		
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	SHT	SHEET		
CO.ENG.FB	COUNTY ENGINEER'S FIELD BOOK	MIN	MINIMUM	SLCB	STREET LIGHT CONTROL BOX		
CONC	CONCRETE	MON	MONUMENT	SLPB	STREET LIGHT PULL BOX		
COR	CORNER	MS	MOW STRIP	SMH	SEWER MANHOLE		
CSFB	COUNTY SURVEYOR'S FIELD BOOK	MUTCD	MANUAL ON TRAFFIC CONTROL DEVICES	SP	SIGN POST		
CD	CURB DRAIN	MW	MONITORING WELL	SPECS	SPECIFICATIONS		
D, △	DELTA=CENTRAL ANGLE	(N)	NEW	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
D, DIA	DIAMETER	N	NORTH				
DCV	DETECTOR CHECK VALVE	N'LY	NORTHERLY	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK)		
DED	DEDICATION	N.A.P.	NOT A PART				
DEPT.	DEPARTMENT	NE	NORTHEAST	ST	STREET		
DESC	DESCRIBED	NEC	NORTHEAST CORNER	ST LT	STREET LIGHT		
DI	DROP INLET	NE'LY	NORTHEASTERLY	STD	STANDARD		
DIP	DUCTILE IRON PIPE	NG	NATURAL GROUND	SW	SOUTHWEST		
DIST	DISTANCE	NO.	NUMBER	SWC	SOUTHWEST CORNER		
DN	DOWN	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	SW'LY	SOUTHWESTERLY		
DOC. NO.	DOCUMENT NO.			SW&T	SPIKE WASHER & TIN		
DR	DIMENSION RATIO	NW	NORTHWEST	S/W	SIDEWALK		
DWG	DRAWING	NWC	NORTHWEST CORNER	T	TANGENT		
DRWY	DRIVEWAY	NW'LY	NORTHWESTERLY	T 3 S	TOWNSHIP 3 SOUTH		
(E)	EXISTING	OH	OVERHEAD	TB	TOP OF BERM		
E	EAST	OIL W.W.	OIL WASTE WATER LINE	TC	TOP OF CURB		
E'LY	EASTERLY	O.R.	OFFICIAL RECORDS	TAN	TANGENT		
EB	ESTABLISHED BETWEEN	O/S	OFF SET	TE	TRASH ENCLOSURE		
EBFM	ESTABLISHED BETWEEN	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TELE	TELEPHONE		
EBP	ESTABLISHED BY PRORATION			TELE SW B	TELEPHONE SWITCH BOX		
EC	EDGE OF CONCRETE	PA	PLANTER AREA	TG	TOP OF GRATE		
EC	END OF CURVE	PB	PULL BOX	10" TR	10" DIAMETER TREE		
EF	ESTABLISHED FROM	PCC	POINT OF COMPOUND CURVE	TMH	TELEPHONE MANHOLE		
ELEC	ELECTRIC	PCC	PORTLAND CEMENT CONCRETE	TOE	TOE OF SLOPE		
ELEV.	ELEVATION	PCL	PARCEL	TOP	TOP OF SLOPE		
EM	ELECTRIC METER	PED	PEDESTAL	TP	TELEPHONE POLE		
EMH	ELECTRIC MAN HOLE	PG.	PAGE	T.P.O.B.	TRUE POINT OF BEGINNING		
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	TR	TRACK		
EPB	ELECTRIC PULL BOX	PIV	POST INDICATOR VALVE	TRANS	TRANSFORMER		
ESMT	EASEMENT	PKWY	PARKWAY	T	TRANSITE PIPE		
EST	ESTABLISHED	PL	PROPERTY LINE	TS	TRAFFIC SIGN		
EXIST, (E)	EXISTING	PM	PROPORTIONATE MEASUREMENT	TSCB	TRAFFIC SIGNAL CONTROL BOX		
FAR	FLOOR AREA RATIO	P.M.	PARCEL MAP	TSPB	TRAFFIC SIGNAL PULL BOX		
FB	FIELD BOOK	P.M.B.	PARCEL MAP BOOK	TSTP	TOP STEP		
FC	FLOOD CONTROL	P.O.B.	POINT OF BEGINNING	TVLT	TELEPHONE VAULT		
FD	FOUND MONUMENTS	POC	POINT ON CURVE	TW	TOP OF WALL		
FDC	FIRE DEPARTMENT CONNECTION	P.O.C.	POINT OF CONNECTION	TWC	TOP OF CONCRETE WALL		
FF	FINISHED FLOOR ELEVATION	P.O.L.	POINT ON LINE	TYP.	TYPICAL		
FH	FIRE HYDRANT	POS	POINT ON SLOPE	U.D.	UTILITY DROP		
FL	FLOW LINE	PP	POWER POLE	UDG	UNDERGROUND CONDUIT		
FL IFOB	FL AT INSIDE WALL CB	PRC	POINT OF REVERSE CURVE	ULT.	ULTIMATE		
FNC	FENCE	PROD	PROLONGATION	UTIL	UTILITY		
F/O	FIBER OPTIC	PROP	PROPOSED	UTIL B	UTILITY BOX		

SYMBOLS:

- ABOVE GRADE CONTROL BOX
- AIRCONDITIONING UNIT
- CABLE TV BOX
- CATCH BASIN
- COLUMN
- DRAIN
- ELECTRIC MANHOLE
- EXISTING GRADE
- FINISH GRADE 75.90
- FIRE CONTROL VALVE
- FIRE DEPT. CONN. (FDC)
- FIRE HYDRANT - PROPOSED
- FIRE HYDRANT - EXISTING
- GAS METER
- GAS VALVE
- GATE POST
- GATE VALVE, EXISTING, WITH CITY OF COMPTON ID # 123
- GATE VALVE - PROPOSED
- IRRIGATION VALVE
- LIGHT STANDARD/ PED. CROSSING LIGHT
- MAIL BOX
- MONITORING WELL
- PARKING METER
- POST
- POWER POLE
- POWER POLE ANCHOR
- PULL BOX
- SEWER CL OUT
- SEWER MANHOLE
- SIGN POST
- STORM DRAIN MANHOLE
- STREET LIGHT
- STREET LIGHT BOX
- TEL (PUBLIC PHONE)
- TEL BOX
- TELECOM PULL BOX
- TELEPHONE MANHOLE
- TRAFFIC LIGHT
- TRAFFIC LIGHT CONTROL BOX
- TRAFFIC LIGHT WITH ARM
- TRAFFIC LIGHT WITH STREET LIGHT
- TREES
- VENT
- WATER MANHOLE
- WATER METER
- WATER VALVE - EXISTING
- WATER VAULT

- CONCRETE
- AGGREGATE BASE
- UNDISTURBED SOIL
- COMPACTED SOIL
- VEGETATED AREA
- ASPHALT
- GRIND/REPAVE
- BACKFILL
- SAND/PIPE ZONE BACKFILL
- SAND/PIPE ZONE BACKFILL
- 3/4 SACK SLURRY
- PROPERTY LINE
- CENTERLINE
- FENCE
- WALL
- BUILDING EDGE
- GAS
- SEWER
- WATER - PROPOSED
- WATER - EXISTING
- STORM DRAIN
- RAILROAD

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PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU — REGISTERED PROFESSIONAL ENGINEER — No. 56857 Exp. 06-30-17 — STATE OF CALIFORNIA — CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
1-7-16
GLEN W.C KAU , P.E. — LICENSE No. C-56857 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

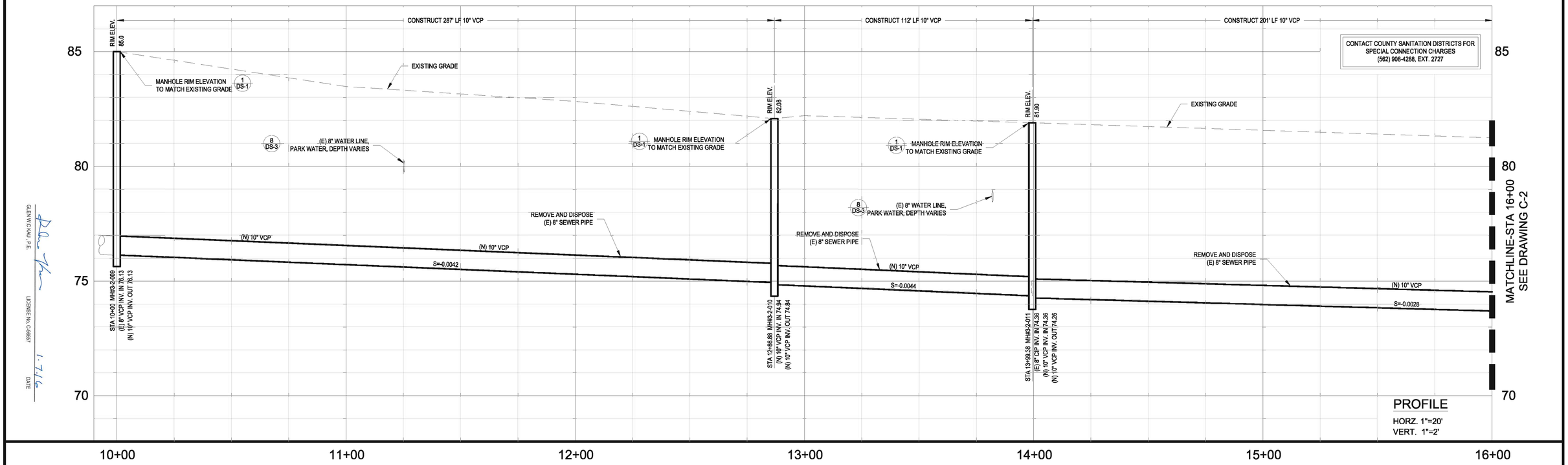
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

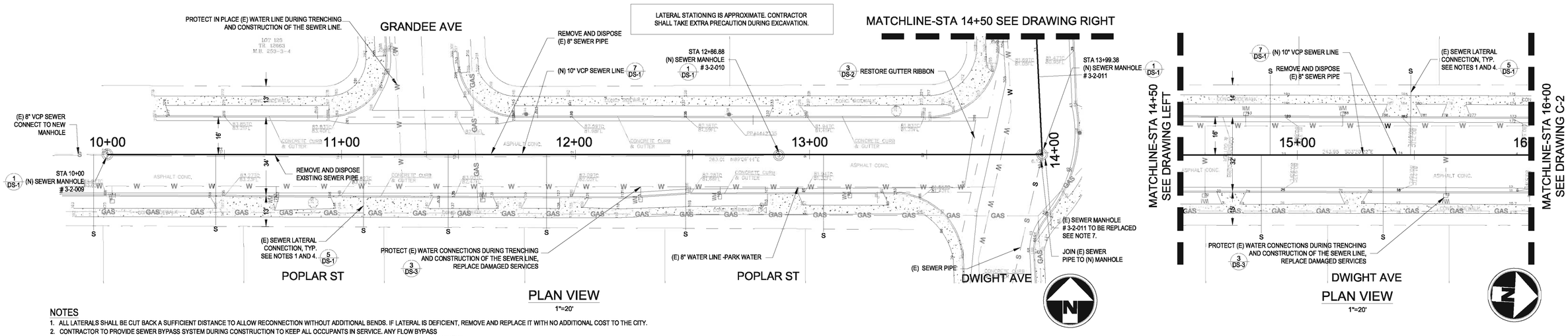
COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
GENERAL NOTES, LEGEND AND SYMBOLS

JOB No. CIP#10-18/JN120S
DRAWING No. G-3
SHEET 03 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\03-GENERAL NOTES, SYMBOLS.dwg 01/04/16 11:05am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1.7.16



NOTES

1. ALL LATERALS SHALL BE CUT BACK A SUFFICIENT DISTANCE TO ALLOW RECONNECTION WITHOUT ADDITIONAL BENDS. IF LATERAL IS DEFICIENT, REMOVE AND REPLACE IT WITH NO ADDITIONAL COST TO THE CITY.
2. CONTRACTOR TO PROVIDE SEWER BYPASS SYSTEM DURING CONSTRUCTION TO KEEP ALL OCCUPANTS IN SERVICE. ANY FLOW BYPASS SYSTEM INVOLVING CSD MANHOLES SHALL BE IN ACCORDANCE WITH SECTION 500-1.1.7 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY CSD.
3. CONTRACTOR TO PROVIDE TEMPORARY WATER SERVICE HIGHLINE TO ALL OCCUPANTS WHERE WATER SERVICE MAY BE INTERRUPTED.
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CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

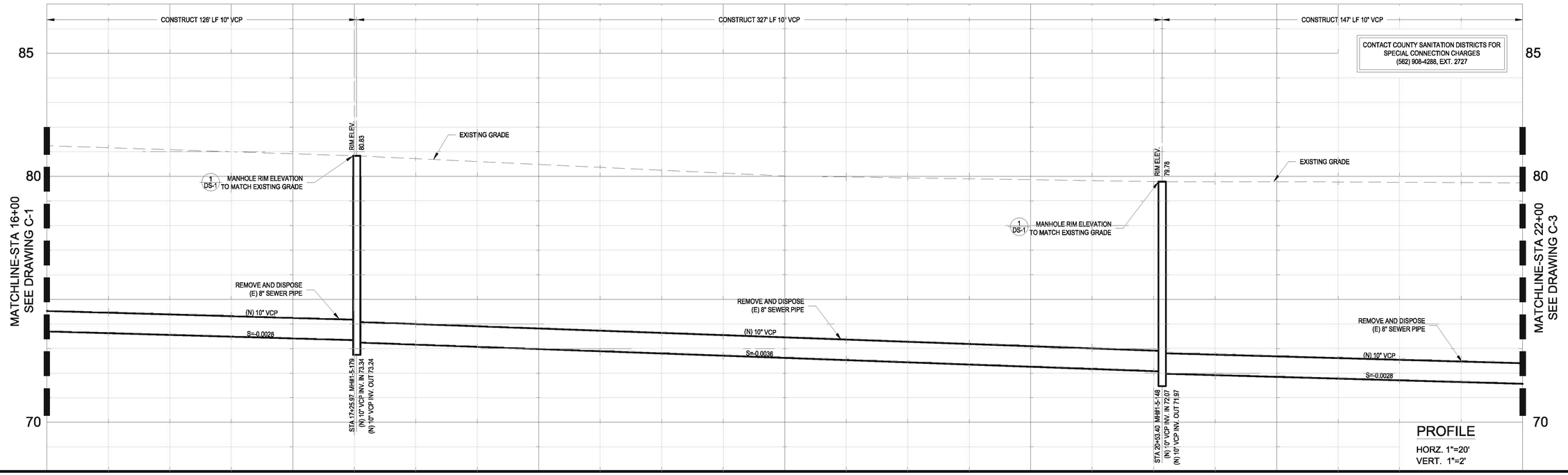
NO.	REVISION DESCRIPTION	APP.	DATE

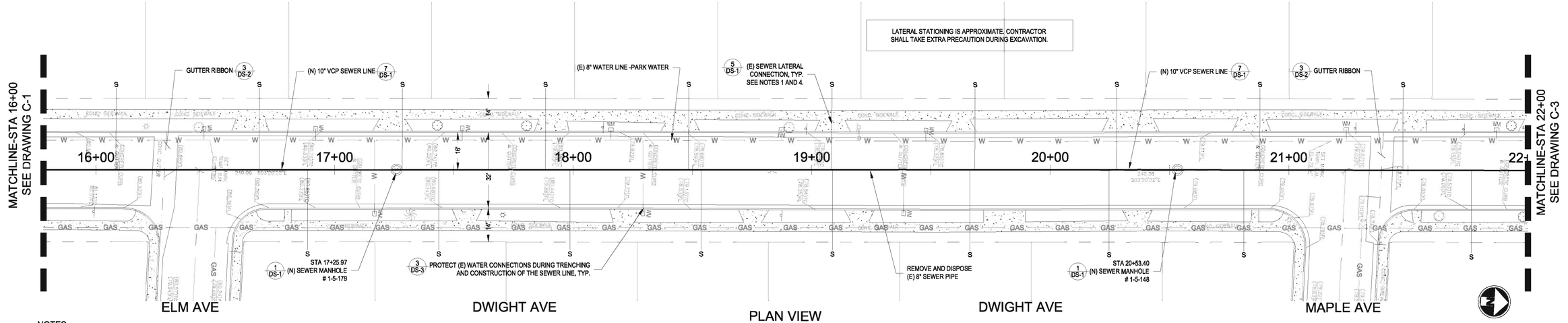
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
POPLAR ST / DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-1
SHEET 04 OF 17 SHEETS

Z:\CS PROJECTS\Compton Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT04-C1.dwg 01/04/16 11:07am





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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 STATE OF CALIFORNIA CIVIL

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

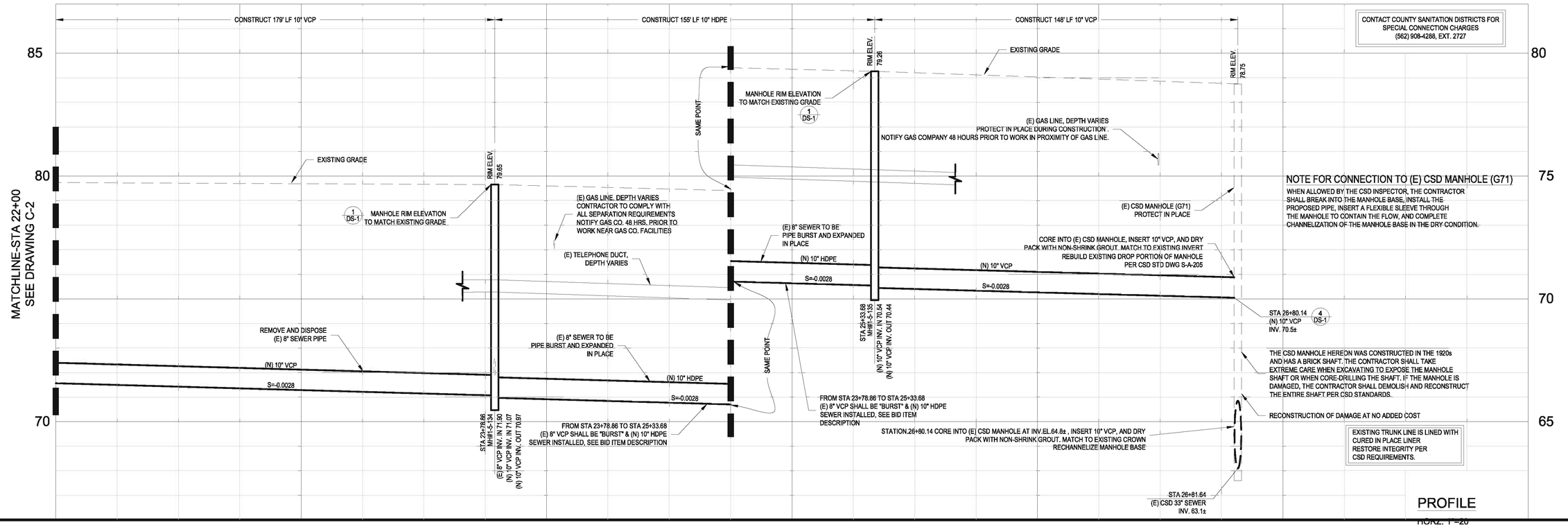
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
DWIGHT AVE
PLAN AND PROFILE
STA 16+00 TO 22+00

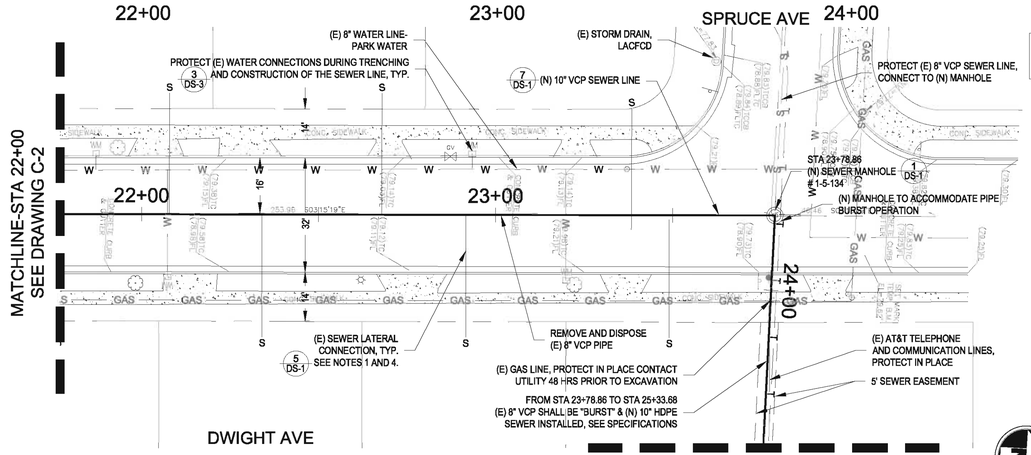
JOB No. CIP#10-18/JN120S
DRAWING No. **C-2**
SHEET 05 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER.dwg 10CS-SHT05-C2.dwg 01/04/16 11:09am

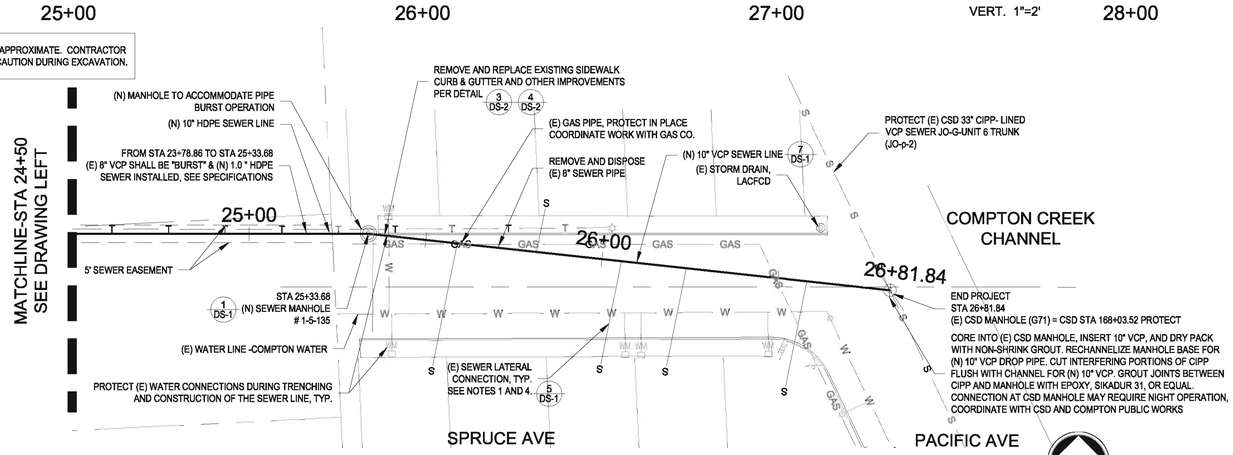


PROFILE

HORZ. 1"=20'
VERT. 1"=2'



LATERAL STATIONING IS APPROXIMATE. CONTRACTOR SHALL TAKE EXTRA PRECAUTION DURING EXCAVATION.



PLAN VIEW

1"=20'

0 10 20 40 60

1"=20'

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9. PIPE BURSTING METHOD SHALL BE PERFORMED IN A MANNER THAT WILL MINIMIZE MOVEMENT OF THE GROUND.
10. SHOULD ANYTHING PREVENT COMPLETION OF CONSTRUCTION OR PIPE BURSTING METHOD. THE REMAINDER OF THE PIPE LINE SHALL BE CONSTRUCTED BY THE METHOD APPROVED BY THE CITY.
11. CONTRACTOR SHALL SUBMIT CONSTRUCTION PLAN INCLUDING EXACT LOCATION AND SIZE OF SENDING / RECEIVING PITS FOR CITY APPROVAL. SUBMITTAL SHALL INCLUDE SHEETING / SHORING CALCULATIONS.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: GLEN W. C. KAU No. 56657 Exp. 06-30-12 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

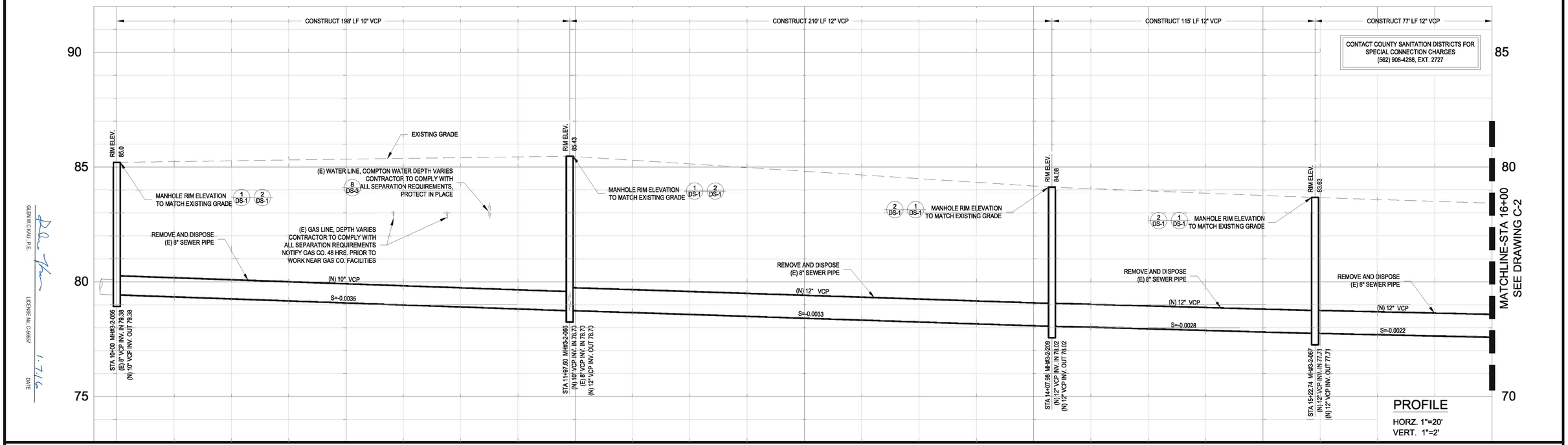
CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

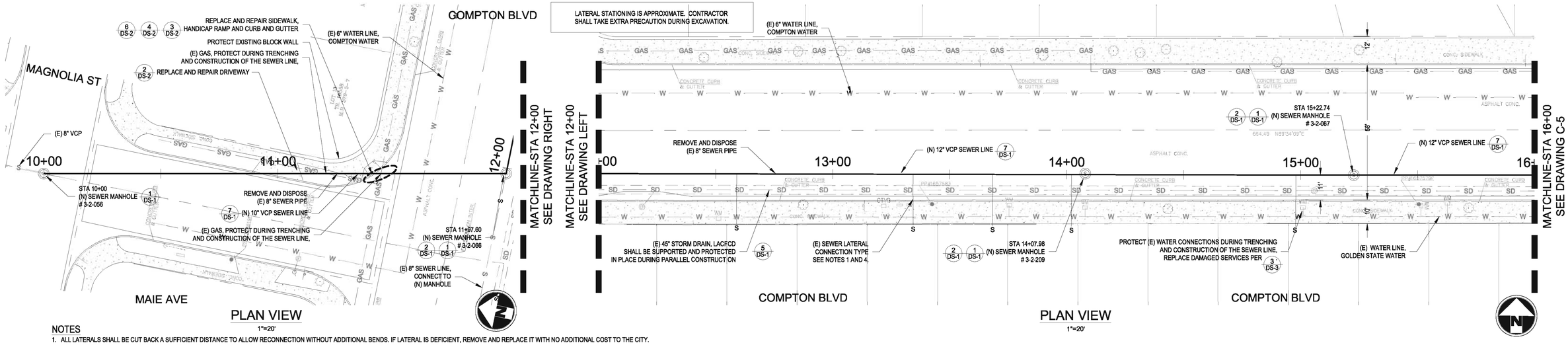
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S
DRAWING No. C-3
SHEET 06 OF 17 SHEETS

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT
DWIGHT AVE / SPRUCE AVE / PACIFIC AVE
PLAN AND PROFILE
STA 22+00 TO 26+81.84

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 120S-SHT06-C3.dwg 01/04/16 11:10am



GLEN W.C KAU, P.E. — LICENSE No. C-56657 — DATE 1-7-16



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0 10 20 40 60
1"=20'

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TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
GLEN W. C. KAU
No. 56657
Exp. 08-30-17
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. — LICENSE No. C-56657 — DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

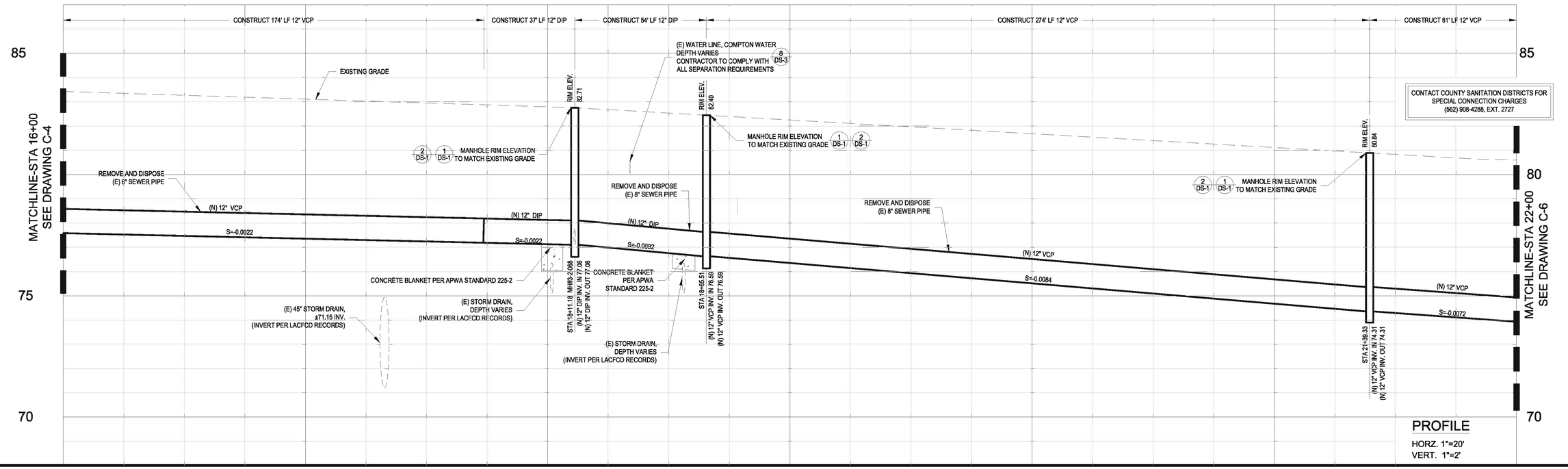
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
MAIE AVE / COMPTON BLVD
PLAN AND PROFILE
STA 10+00 TO 16+00

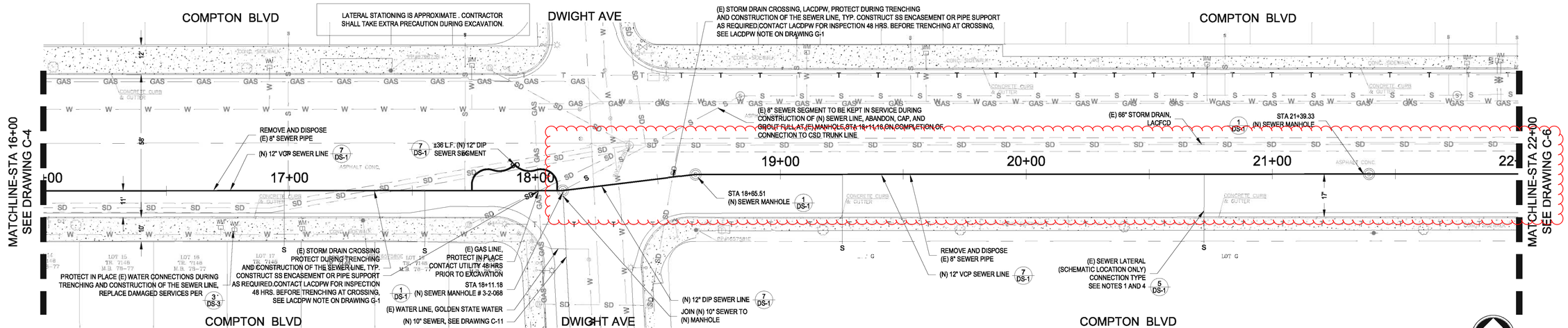
JOB No. CIP#10-18/JN120S
DRAWING No. C-4
SHEET 07 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\JN 1205-SHT07-C4.dwg 01/04/16 11:15am



PROFILE

HORZ. 1"=20'
VERT. 1"=2'



PLAN VIEW

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0 10 20 40 60

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8. CONTRACTOR AT HIS OWN EXPENSE MAY RETAIN AND RESTORE MANHOLE #3-2-068 IN PLACE.

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON Incorporated 1888

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

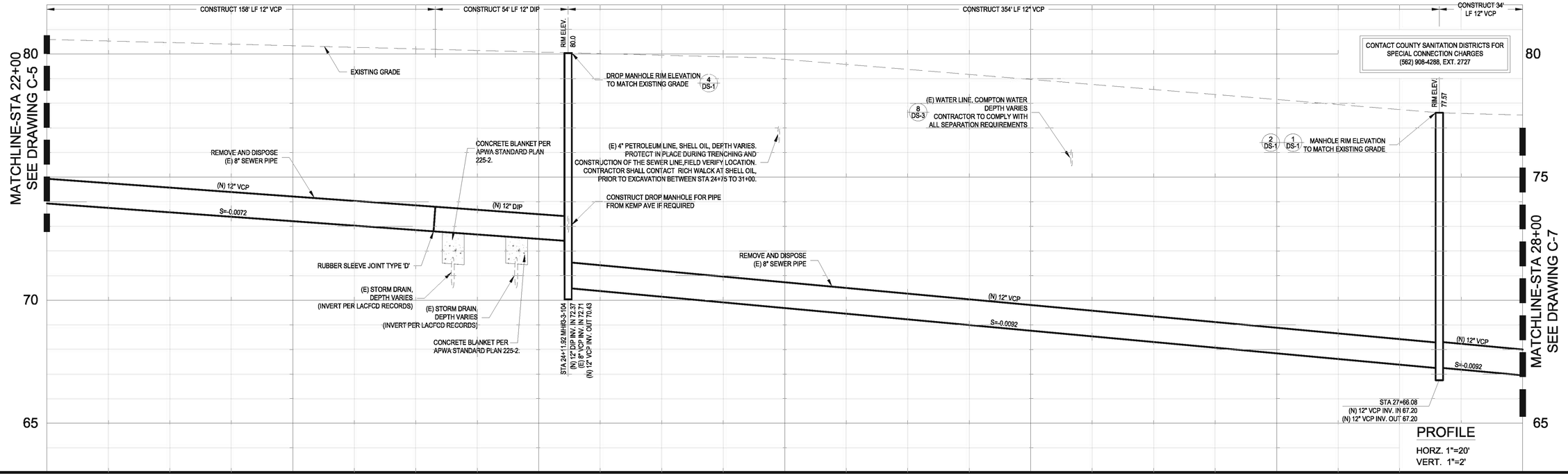
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 16+00 TO 22+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-5
SHEET 08 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STARCH.VA 1205-SHT08-C5.dwg 07/04/16 11:16am



PROFILE

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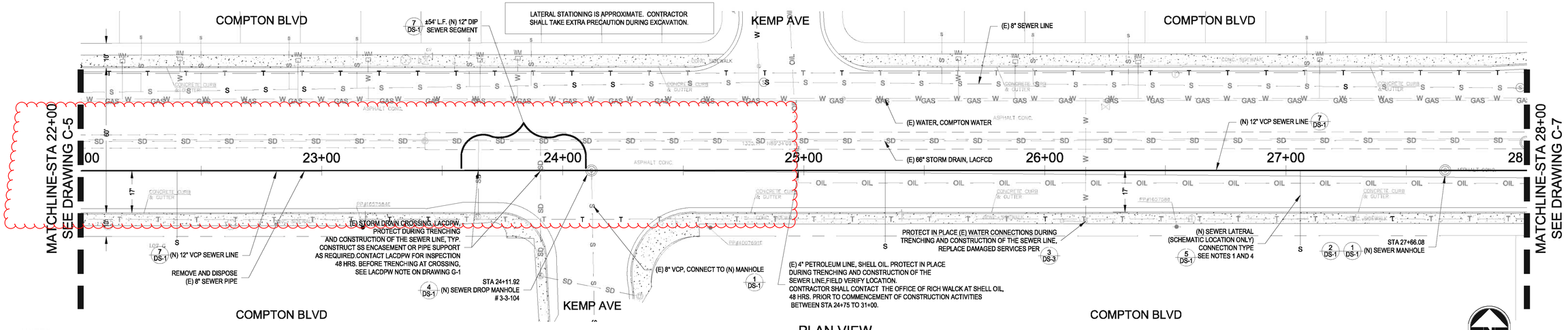
VERT. 1"=2'



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9. CONTRACTOR SHALL SHORE TRENCH STA 25+00 TO STA 31+00. SUBMIT FOR APPROVAL. MAXIMUM TRENCH WIDTH SHALL BE 5'-0" .

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE

DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

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CIVIL
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205 S. WILLOWBROOK AVE
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NO.	REVISION DESCRIPTION	APP.	DATE

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DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 22+00 TO 28+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-6
SHEET 09 OF 17 SHEETS

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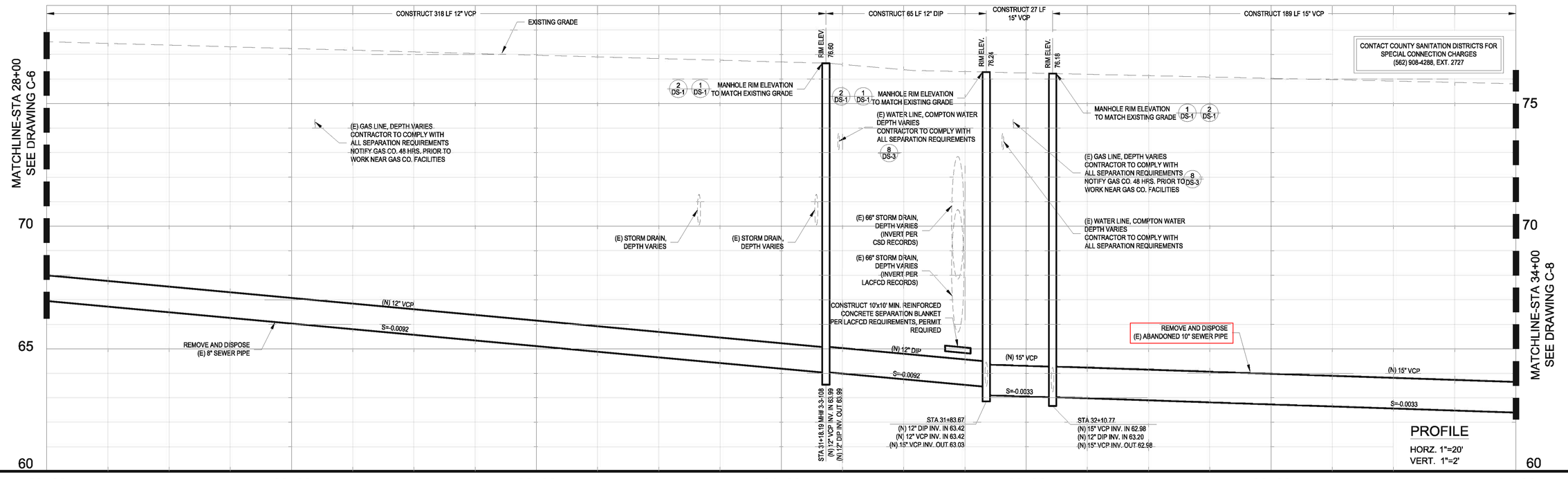

GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
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NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
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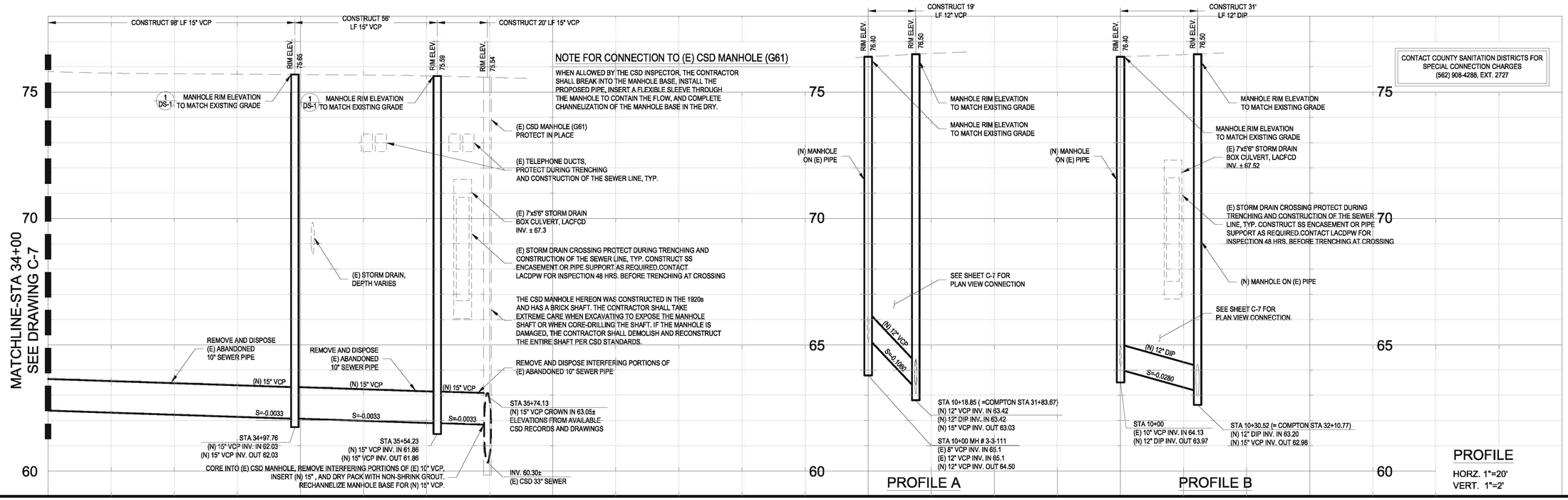
CHK'D: NA
DATE: 3/22/11

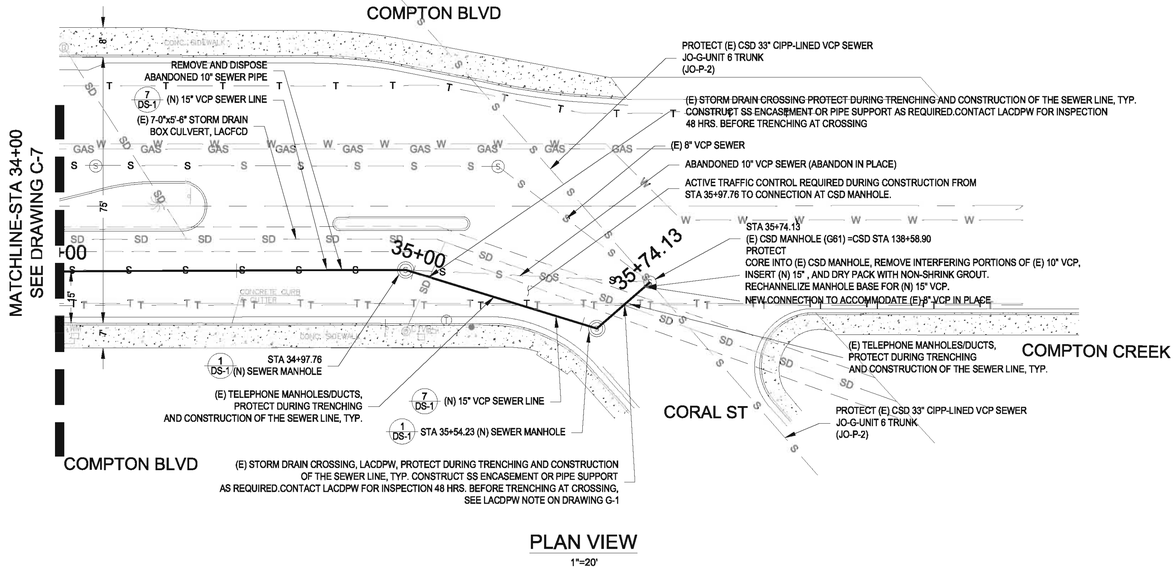
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 28+00 TO 34+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-7
SHEET 10 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON STA(C).vsx 1205-SHT10-C7.dwg 07/07/16 11:18am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



PLAN VIEW
1"=20'

NOTE FOR CONNECTION TO (E) CSD MANHOLE (G61)

WHEN ALLOWED BY THE CSD INSPECTOR, THE CONTRACTOR SHALL BREAK INTO THE MANHOLE BASE, INSTALL THE PROPOSED PIPE, INSERT A FLEXIBLE SLEEVE THROUGH THE MANHOLE TO CONTAIN THE FLOW, AND COMPLETE CHANNELIZATION OF THE MANHOLE BASE IN THE DRY.

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2. CONTRACTOR TO PROVIDE SEWER BYPASS SYSTEM DURING CONSTRUCTION TO KEEP ALL OCCUPANTS IN SERVICE. ANY FLOW BYPASS SYSTEM INVOLVING CSD MANHOLES SHALL BE IN ACCORDANCE WITH SECTION 500-1.1.7 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY CSD.
3. CONTRACTOR TO PROVIDE TEMPORARY WATER SERVICE HIGHLINE TO ALL OCCUPANTS WHERE WATER SERVICE MAY BE INTERRUPTED.
4. FIELD VERIFY LOCATION OF EACH LATERAL AT EACH PROPERTY PRIOR TO BEGINNING CONSTRUCTION.
5. WATER SERVICES REFERENCED FROM WATER METERS.
6. CONTRACTOR MAY ADJUST THE PIPE HORIZONTAL OR VERTICAL ALIGNMENT TO MAINTAIN ADEQUATE SEPARATION BETWEEN WATER AND SEWER LINE WITH NO ADDITIONAL COST TO THE CITY.
7. EXISTING MANHOLE SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
8. CONTRACTOR SHALL POTHOLE TO VERIFY LOCATION AND DEPTH OF ALL UTILITY CROSSINGS PRIOR TO PROCUREMENT OF MATERIALS OR COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

0 10 20 40 60
1"=20'

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

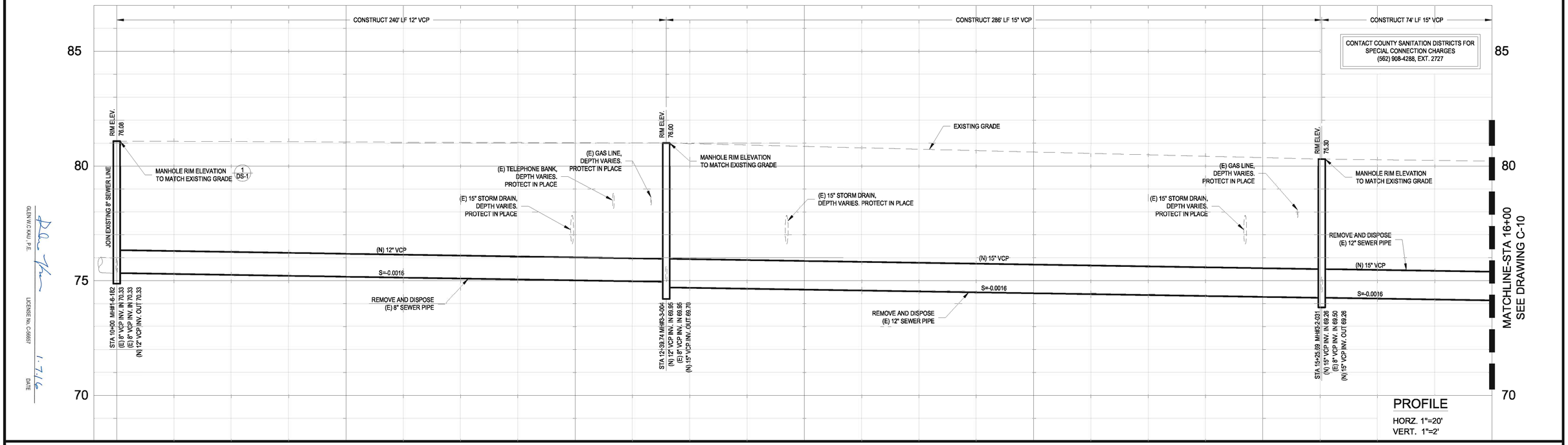
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
COMPTON BLVD
PLAN AND PROFILE
STA 34+00 TO 35+74.13

DRAWING No. **C-8**

SHEET 11 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 proj CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\A_VA 120S-SHT11-C8.dwg 01/04/16 11:19am



PLAN VIEW
1"=20'

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GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

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PREPARED UNDER THE SUPERVISION OF:
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CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
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(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
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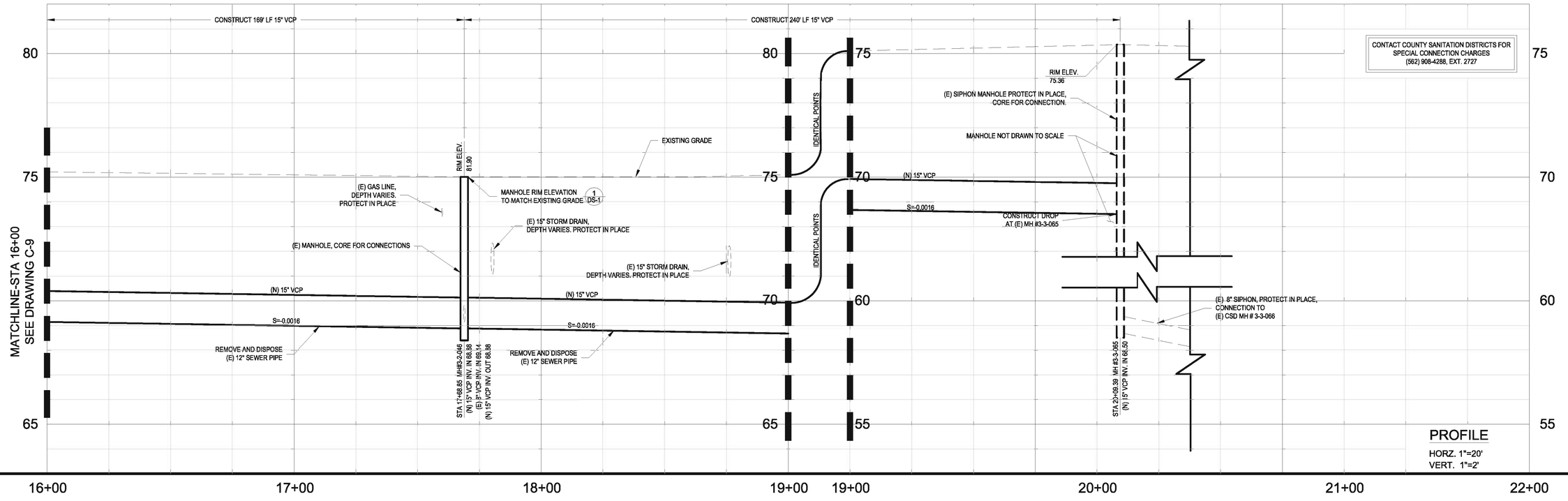
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

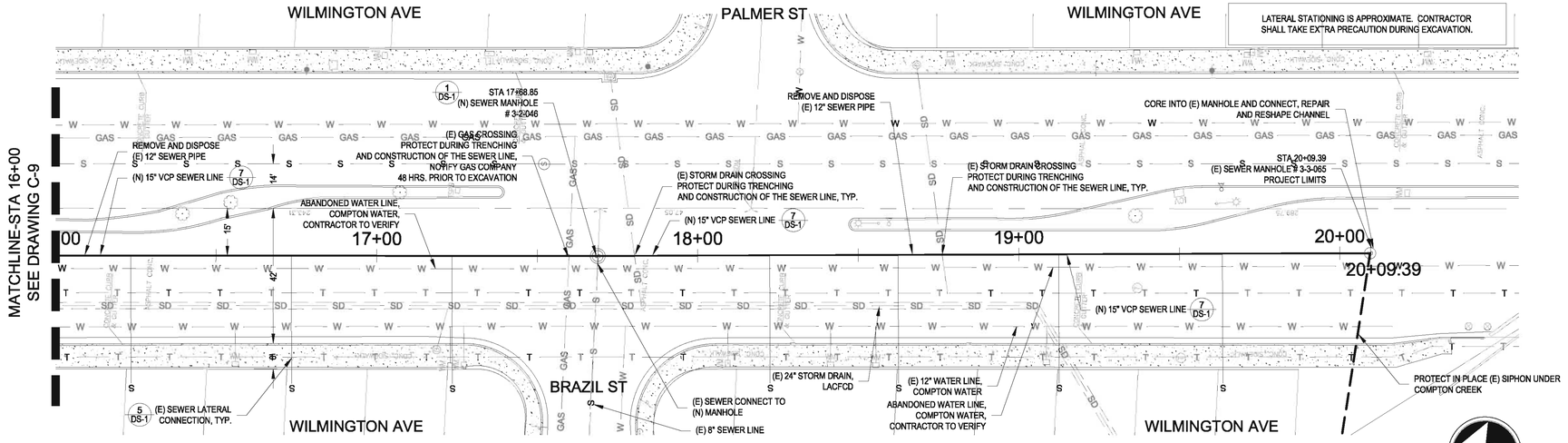
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 10+00 TO 16+00

JOB No. CIP#10-18/JN120S
DRAWING No. C-9
SHEET 12 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\sh 12OS-SH12-c9.dwg 01/04/16 11:22am



GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16



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0 10 20 40 60
1"=20'

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REGISTERED PROFESSIONAL ENGINEER

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205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

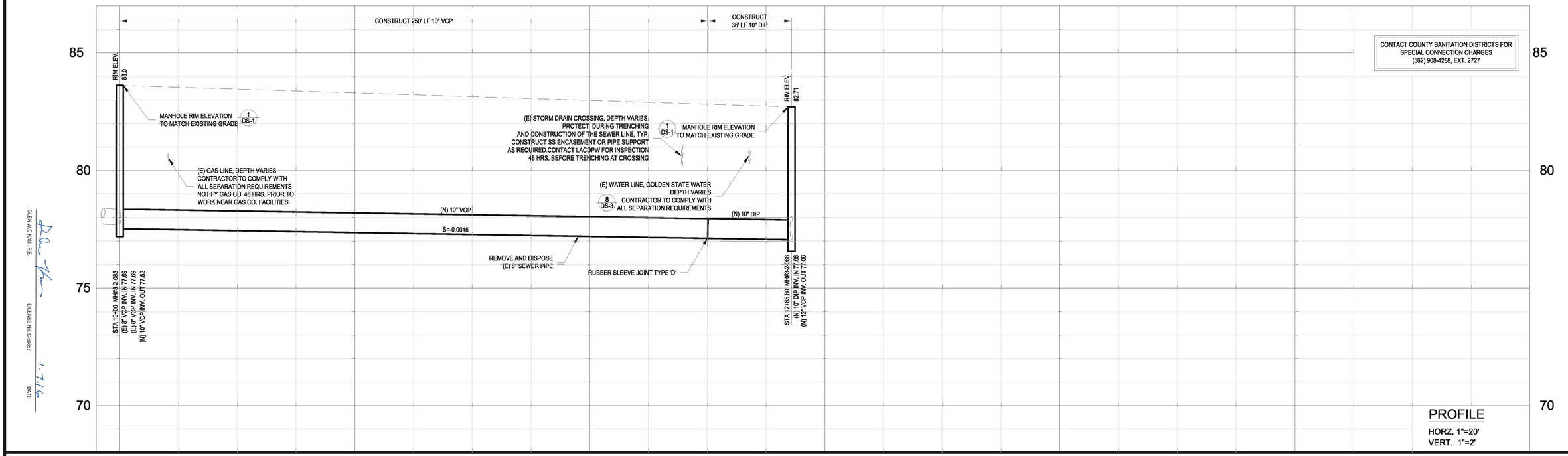
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11
JOB No. CIP#10-18/JN120S

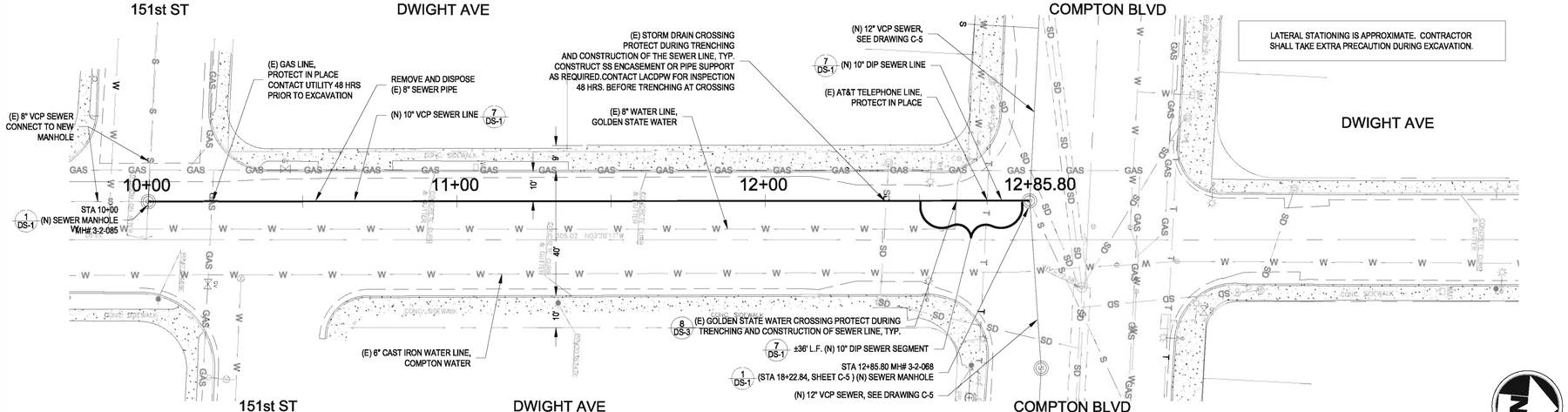
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
WILMINGTON AVE
PLAN AND PROFILE
STA 16+00 TO 20+09.39

DRAWING No. **C-10**

SHEET 13 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AVE WILMINGTON SEWER_VA 120S-SHT13-C10.dwg 01/04/16 11:23am





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0 10 20 40 60
1"=20'

GLEN W.C KAU, P.E. LICENSE No. C-56657 DATE 1-7-16

Underground Service Alert CALL: TOLL FREE 1-800 227-2600 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF: REGISTERED PROFESSIONAL ENGINEER GLEN W. C. KAU No. 56657 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
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COMPTON, CA 90220
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CITY OF COMPTON
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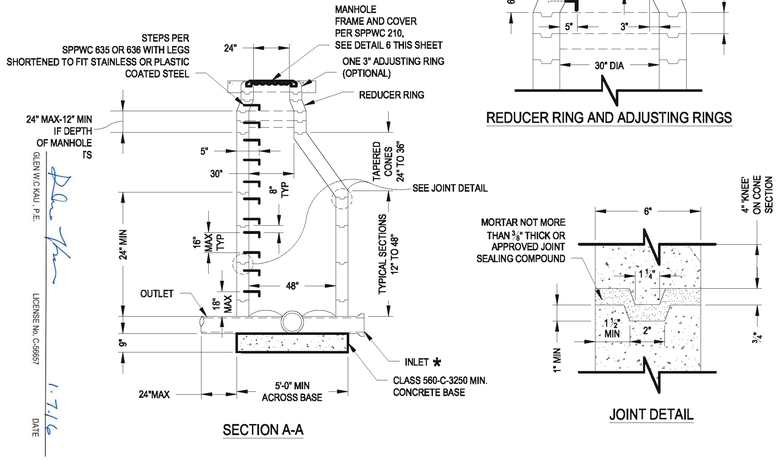
NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

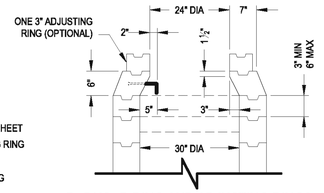
COMPTON BLVD / WILMINGTON AVE AREA
SEWER REPLACEMENT
SO. DWIGHT AVE
PLAN AND PROFILE
STA 10+00 TO 12+85.80

JOB No. CIP#10-18/JN120S
DRAWING No. C-11
SHEET 14 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\PLN 120S-SHT14-C11.dwg 01/04/16 11:25pm

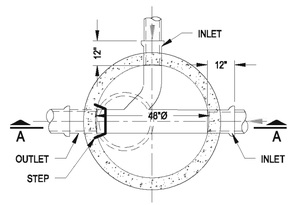


SECTION A-A



REDUCER RING AND ADJUSTING RINGS

JOINT DETAIL



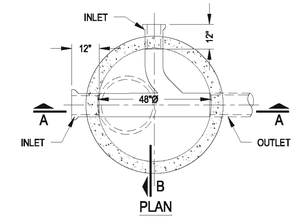
PLAN

NOTES:

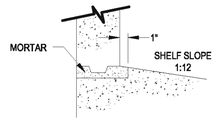
1. SHELF FORMED IN PLACE TO FORM SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED LINED MANHOLES TO BE PROVIDED/ REPAIRED PER STANDARDS FOR LINING (PVC OR EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. STEPS PER SPPWC 636 (NOTE 2, STANDARD PLAN 200-3) STAINLESS OR PLASTIC COATED STEEL APPROVAL SUBMITTAL REQUIRED.
7. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND/ OR DEPARTMENT OF PUBLIC WORKS.
8. MANHOLE COVER CENTERED OVER PRIMARY OUTLET.
9. CONCRETE FOR ALL PRECAST UNITS SHALL BE COMPACTLY VIBRATED IN THE FORMS. IT SHALL BE CURED ACCORDING TO THE APPROVED PRACTICE (STEAM, SPRINKLING, MEMBRANE SOLUTION, OR A COMBINATIONS OF THOSE) MINIMUM 28 DAYS STRENGTH SHALL BE 3500 PSI.
10. STEPS SHALL BE INSTALLED ON TOP OF OUTLET PIPE AS SHOWN ON DETAIL 1.

✱ . FOR CONNECTION TO EXISTING SEWER LINE, CUT EXISTING LINE AND JOIN TO INLET STUB BY STAINLESS STEEL REPAIR CLAMP STYLE LSS1 OR LSS2 BY ROMAC OR EQUAL.

1 DS-1 PRECAST CONCRETE SEWER MANHOLE
NOT TO SCALE



PLAN



SECTION B

NOTES:

1. SHELF FORMED IN PLACE TO PROVIDE SMOOTH TRANSITION TO ALL CONNECTION SEWERS. SLOPE ALL SHELF SURFACES TO DRAIN.
2. PENETRATIONS INTO MANHOLE SHAFT TO BE MADE BY CORE DRILL.
3. WHERE REQUIRED, LINED MANHOLES TO BE PROVIDED, REPAIRED PER STANDARDS FOR LINING (PVC EPOXY).
4. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
5. EXISTING PIPES TO BE SUPPORTED DURING MANHOLE BASE CONSTRUCTION
6. PRECAST BASES REQUIRE APPROVAL OF ENGINEER AND DEPARTMENT OF PUBLIC WORKS.
7. STEPS STAINLESS STEEL OR PLASTIC COATED STEEL. APPROVAL SUBMITTAL REQUIRED.
8. CONCRETE FOR ALL PRECAST UNITS SHALL BE COMPACTLY VIBRATED IN THE FORMS. IT SHALL BE CURED ACCORDING TO THE APPROVED PRACTICE (STEAM, SPRINKLING, MEMBRANE SOLUTION, OR A COMBINATIONS OF THOSE) MINIMUM 28 DAYS STRENGTH SHALL BE 3500 PSI.

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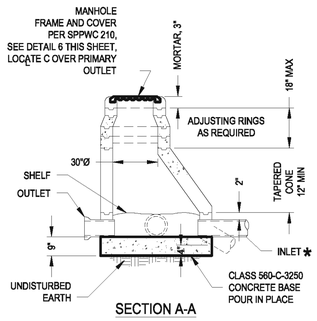
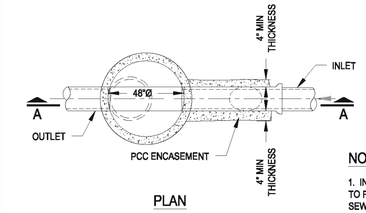
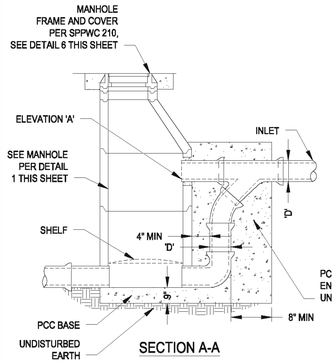


SECTION A-A

3 DS-1 PRECAST CONCRETE SHALLOW MANHOLE
NOT TO SCALE



PLAN

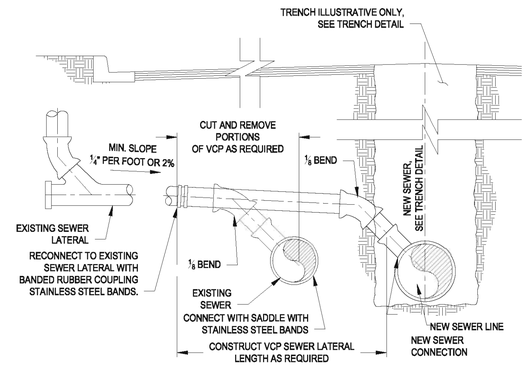


SECTION A-A

NOTES:

1. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY INTO SEWER PIPES, FAILURE TO PREVENT DEBRIS ENTRY REQUIRES CLEANING OF AFFECTED REACHES AT CONTRACTORS EXPENSE
2. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.
3. CONCRETE FOR DROP SECTIONS TO BE FORMED.
4. PENETRATIONS INTO MANHOLES TO BE MADE BY CORE DRILL.
5. LINED MANHOLES TO BE REPAIRED PER STANDARDS FOR LINING (PVC 6" TURNBACK)(APPLIED COATING-RECOAT SUFFICIENT AREA TO ACHIEVE PERMANENT BOND). HOLIDAY TESTING REQUIRED.
6. INSTALL TEMPORARY HALF CIRCLE PLYWOOD COVERS ON SHELF TO FIT MANHOLE ID TO PREVENT DEBRIS ENTRY TO SEWER PIPE.
7. PCC CONCRETE TO BE 560-C-3250 MINIMUM, FOR SHORTENED CURE TIME CONCRETE TO BE 600-C-3000 MINIMUM.
8. DETAIL TO BE USED FOR JOINING (E) MANHOLE WHERE DROP REQUIRED.

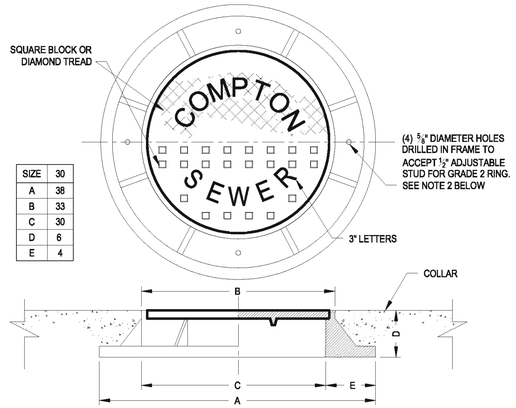
4 DS-1 DROP SEWER MANHOLE
NOT TO SCALE



NOTES:

1. CONTRACTOR TO VERIFY SIZE AND CONDITION OF EXISTING LATERAL. RECONSTRUCTION TO MATCH EXISTING.
2. CONTRACTOR SHALL FIELD LOCATE AND MARK ALL LATERALS PRIOR TO BEGINNING CONSTRUCTION.
3. LATERALS SHALL BE EXTRA STRENGTH VCP.

5 DS-1 SEWER LATERAL CONNECTION
NOT TO SCALE



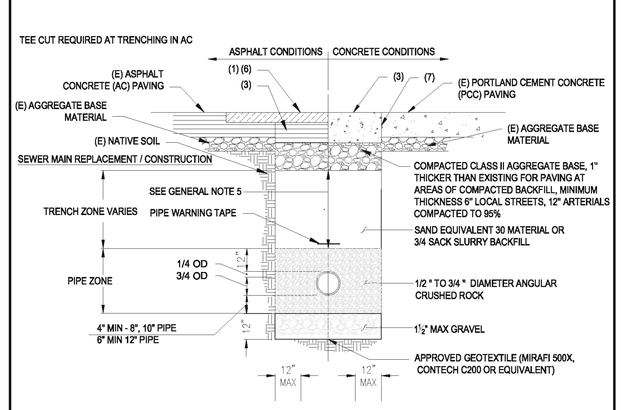
SIZE	30
A	38
B	33
C	30
D	6
E	4

SIZE	ALHAMBRA FOUNDRY	NEENAH FOUNDRY	SOUTH BAY FOUNDRY	PONT-A-MOUSSON
30"	A-1252-5	R-1582	SBF 1252-6	CLASS 400

NOTES:

1. 48" STANDARD "A" AND SHALLOW MANHOLES (DETAILS 1, 2, 3) SHALL HAVE 30" COVERS.
2. FOR FRAMES AND COVER IN EASEMENTS, ALLEYS, PARKWAYS, AND UNIMPROVED AREA INSTALL 4 - ½" INSERTS FOR LOCK DOWN STUDS IN TOP GRADE RING ALIGNED WITH FRAME. FRAME BOLTED TO GRADE RING. FINISH ELEVATION AS SHOWN IN SPPWC.
3. INSTALLATION OF GRADE RINGS, SEE DETAIL 1.
4. ADJUST MANHOLE FRAME AND COVER (WITH COLLAR) TO FINAL PAVING GRADE.
5. SHAFT LOCATIONS: CENTERED AT OUTLET SIDE
6. COVER TO BE COATED IN PLACE WITH BITUMINOUS MATERIAL AFTER INSTALLATION.
7. FOR SHORTENED CURE TIME, CONCRETE TO BE 600-C-3000 MIN./ LOW SLUMP.

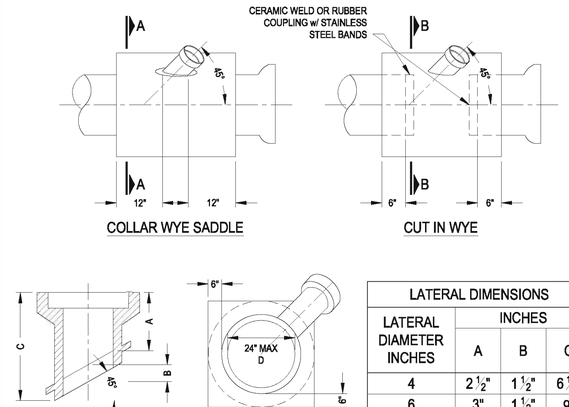
6 DS-1 TRAFFIC MANHOLE FRAME & COVER
NOT TO SCALE



NOTES:

1. GRIND EXISTING PAVEMENT TO 0.15 FT. DEPTH A MINIMUM OF ONE FOOT BEYOND LIMITS OF TRENCH. (TEE CUT)
2. BEDDING 'A' SHALL BE COMPOSED OF SAND, HAVING A CERTIFIED SAND EQUIVALENT OF NOT LESS THAN 30, CONFORM TO THE SAND GRADATION TABLE HEREIN AND SHALL BE COMPACTED TO 90% OF MAX. DENSITY.
3. REPLACEMENT ASPHALT CONCRETE OR CONCRETE SECTIONS SHALL BE PER CITY OF COMPTON STANDARDS WITH AC OR PCC THICKNESS MINIMUM OF ONE INCH GREATER THAN EXISTING. PCC SHALL BE CLASS 520-C-2500. AC SHALL BE PER BID DOCUMENTS. AC MINIMUM 4" IN LOCAL STREETS, MINIMUM 8" IN ARTERIALS. MINIMUM PCC PAVING 6".
4. BEDDING 'B' SHALL BE COMPOSED OF SAND OR OTHER GRANULAR MATERIAL INSTALLED TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BEDDING 'B' SHALL BE COMPACTED TO A RELATIVE DENSITY OF NOT LESS THAN 90%.
5. BACKFILL SHALL BE PER SECTION 217 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BACKFILL ABOVE PIPE ZONE FOR WATER MAINS SHALL BE ¾ SACK SLURRY.
6. IF TRENCH IS WITHIN 4 FEET OF CURB OR GUTTER, GRIND PAVING 0.15' TO EDGE OF PCC OR REMOVE AND REPLACE AC TO EDGE OF PCC GUTTER/ CURB, AC TO BE REPLACED TO A SMOOTH JOIN WITH EXISTING, MAXIMUM ¼" / 10' DEVIATION FROM TRUE.
7. EXISTING PAVEMENT SHALL BE SAWCUT TO CLEAN STRAIGHT LINES IN A RECTANGULAR PATTERN PRIOR TO REMOVAL. PCC SURFACES TO BE JOINED WITH NEW PCC SHALL BE STRAIGHT AND TRUE AND PREPARED WITH CONCRETE BONDING MATERIAL APPROVED BY THE ENGINEER.

7 DS-1 TYPICAL TRENCH
NOT TO SCALE



COLLAR WYE SADDLE

CUT IN WYE

SECTION A-A
LATERAL DETAIL

SECTION B-B
CONC. ENCASEMENT

LATERAL DIAMETER INCHES	LATERAL DIMENSIONS INCHES A	B	C
4	2 ½"	1 ½"	6 ½"
6	3"	1 ½"	9"

NOTES:

1. HOLE FOR THE COLLAR WYE FOR SEWER SADDLE TO BE MADE WITH PURPOSE TAPPING TOOL. HOLE TO BE REAMED AND SANDED TO TRUE SHAPE AND NEAT MATING SURFACE FOR WYE.
2. SECURE WYE SADDLE WITH EPOXY APPROVED FOR JOINING VCP (ENGINEER APPROVAL REQUIRED).
3. AFTER INSPECTION AND ACCEPTANCE BY ENGINEER/ AGENCY REPRESENTATIVE SADDLE CONNECTION TO BE ENCASED WITH MINIMUM 6" CONCRETE (520-C-25000).
4. PROTECT EXISTING AGAINST ENTRY OF DEBRIS FROM CONNECTION. FAILURE TO PREVENT DEBRIS ENTRY REQUIRES SEWER REACH TO BE CLEANED AT CONTRACTOR EXPENSE.
5. DAMAGED PIPE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.

8 DS-1 SEWER WYE CONNECTION
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER
GLEN W. C. KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

CITY OF COMPTON
DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

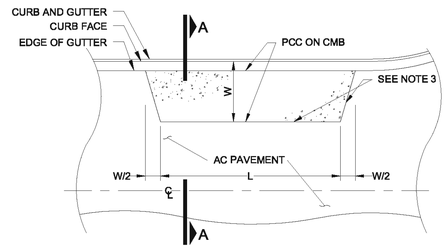
DESIGN: DP
DRAWN: RH
CHKD: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

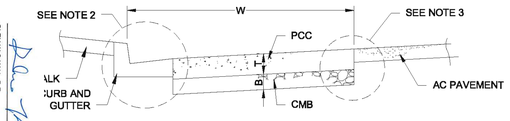
DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-1
SHEET 15 OF 17 SHEETS

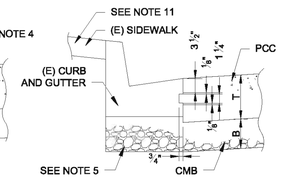
G:\CES PROJECTS\Compton_Sewer_CIP_10-18 and CIP 10-01\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWERS\DS1-DS1.dwg 10/04/16 1:25pm



TYPICAL BUS PAD

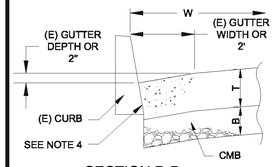


SECTION A-A

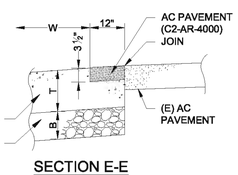


SECTION B-B

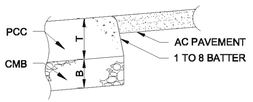
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

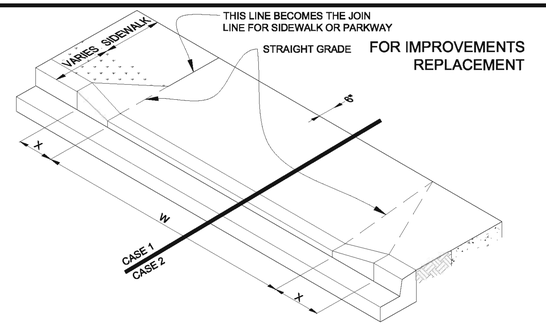
CONSTRUCTION NOTES:

1. DIMENSIONS: (UNLESS OTHERWISE SHOWN)
   L= 85' T= 8"
   W= 10' B= 6"
2. USE SECTION B-B FOR EXISTING CURB AND GUTTER THAT IS TO REMAIN
   USE SECTION C-C FOR NEW CURB AND GUTTER
   USE SECTION D-D FOR EXISTING CURB THAT IS TO REMAIN
3. USE SECTION E-E FOR EXISTING AC PAVEMENT
   USE SECTION F-F FOR NEW AC PAVEMENT
4. AT LOCATIONS WHERE PCC PAVEMENT WILL ABUT EXISTING CONCRETE, AN EPOXY APPROVED BY THE ENGINEER SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACES PRIOR TO CONCRETE PLACEMENT.
5. IF B+T EQUAL TO OR GREATER THAN 12", CMB SHALL EXTEND UNDER NEW CURB AND GUTTER.
6. CONSTRUCT LONGITUDINAL WEAKENED-PLANE JOINT TO MATCH ADJOINING EXISTING GUTTER WIDTH, OR 2' IF NO ADJOINING GUTTER EXISTS.
7. USE 2"x4" HEADER TO FORM 3-½" STEP. TOP OF HEADER SHALL BE SET TO LINE AND GRADE.
8. ALL EXPOSED PCC CORNERS SHALL BE ROUNDED WITH A ½" RADIUS.
9. SURFACE OF CONCRETE SHALL HAVE A ROUGH TRANSVERSE BROOM FINISH.
10. WHERE DESIGNATED BY THE ENGINEER, UNDESIRABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH CMB.
11. WHERE NEW CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING SIDEWALK, SIDEWALK SHALL BE REMOVED AND REPLACED TO NEAREST SCORELINE.
12. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT APPROXIMATELY 10' INTERVALS.
13. CONSTRUCT TRANSVERSE WEAKENED-PLANE JOINTS IN BUS PAD PAVEMENT AT ALL EXISTING CURB/ CURB AND GUTTER CONSTRUCTION JOINTS AND WEAKENED-PLANE JOINTS.
14. AT THE OPTION OF THE ENGINEER, THE EXISTING PAVEMENT MAY BE NEATLY SAWCUT AROUND THE DIMENSIONS OF THE BUS PAD, AND CONCRETE POURED DIRECTLY USING THE EXISTING PAVEMENT AS A FORM. THE CONCRETE EDGES SHALL BE ROUNDED WITH A ½" RADIUS.
15. CONFIRM CONSTRUCTION DETAILS AND REQUEST INSPECTION FROM TRANSIT AGENCY PRIOR TO TAKING PAD OR BUS STOP OUT OF SERVICE AND DURING CONSTRUCTION AS REQUIRED BY AGENCY.

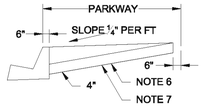
CONCRETE: MIN. CLASS 520-C-2500

5 DS-2 CONCRETE BUS PAD
NOT TO SCALE

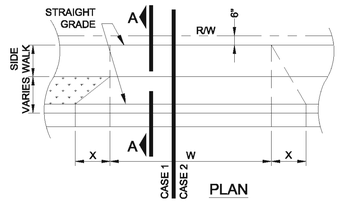
CITY OF COMPTON



FOR IMPROVEMENTS
REPLACEMENT



SECTION A-A



PLAN

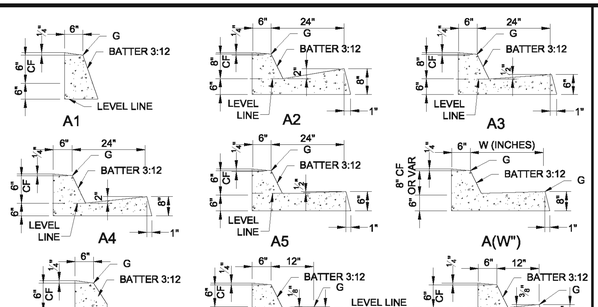
NOTES:

1. W=20' MAXIMUM WIDTH UNLESS OTHERWISE APPROVED BY DIRECTOR OF TRANSPORTATION
2. CASE 1 MAY BE USED FOR PARKWAYS LESS THAN 10 FEET
3. X= 4' WHEN CURB FACE IS 8"
4. X= 3' WHEN CURB FACE IS 6"
5. NO OBSTRUCTIONS WITHIN 2' OF TOP OF "X"
6. SEE COMPTON MUNICIPAL CODE, CHAPTER 20-22, PERMIT ORDINANCE FOR OTHER RESTRICTIONS
7. 4" MIN. CAB OR SELECT SUBBASE WITH EXPANSION LESS THAN 3% BY SOIL TEST

CONCRETE: MIN. CLASS 520-C-2500

2 DS-2 RESIDENTIAL DRIVEWAY CASE 1 & 2
NOT TO SCALE

CITY OF COMPTON



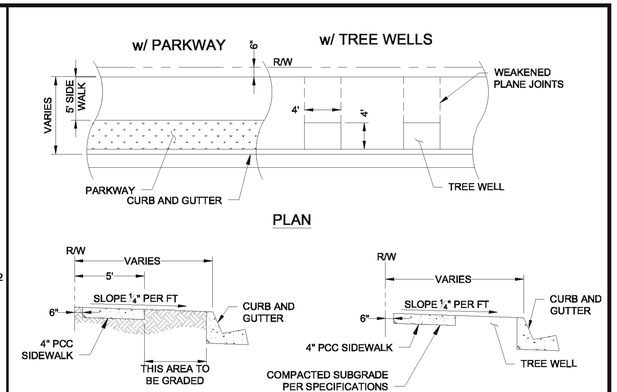
NOTES:

1. TYPE A,C BARRIER CURB
2. TYPE B,D MEDIAN CURB
3. G DESIGNATES GRADE LINE AND/ OR OFFSET POINT
4. W" DESIGNATES WIDTH OF GUTTER
5. h DESIGNATES HEIGHT OF TYPE C AND D ASPHALT CONCRETE CURB
6. TYPES C AND D ARE CONSTRUCTED OF ASPHALTIC CONCRETE (E-AR8000)
7. TYPES A,B,F ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE
8. ALL EXPOSED CORNERS ON PCC CURBS & GUTTERS TO BE ROUNDED WITH A ¾" R

CONCRETE: MIN. CLASS 520-C-2500

3 DS-2 CURB & GUTTER
NOT TO SCALE

FOR IMPROVEMENTS
REPLACEMENT



PARKWAY SECTION

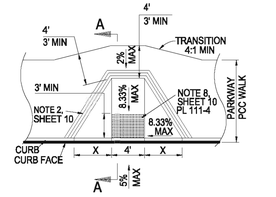
TREE WELL SECTION

NOTES:

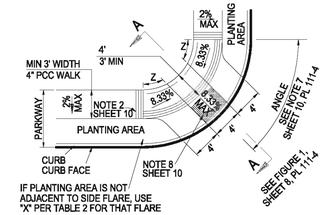
1. WEAKENED PLANE JOINTS TO BE 20' ON CENTER
2. SCORE LINES TO BE 5' ON CENTER
3. TREE WELLS SHALL BE SPACED APPROXIMATELY 50' FEET APART, BUT NOT LESS THAT 1 WELL PER RESIDENTIAL LOT
4. LOCATION OF TREE WELLS WILL BE SUBJECT TO THE FOLLOWING CONDITIONS:
   A. 50' FROM BCR ON THE APPROACH TO AN INTERSECTION AND 15' FROM THE ECR ON THE EXIT SIDE
   B. 20' FROM LIGHT STANDARDS
   C. 10' FROM FIRE HYDRANTS AND DRIVEWAYS
   D. 5' FROM HOUSE WALLS AND UTILITY METERS
5. TREE WELLS ARE TO BE BACKFILLED WITH CLEAN DIRT AND FLUSH WITH ADJACENT WALK UNTIL TREES ARE PLANTED
6. WEAKENED PLANE JOINTS TO BE 20' ON CENTER

CONCRETE: MIN. CLASS 520-C-2500

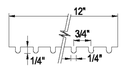
4 DS-2 SIDEWALK WITH TREE WELLS
NOT TO SCALE



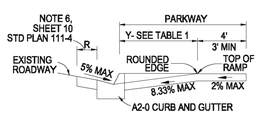
TYPE 1
CASE A



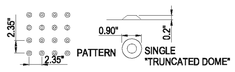
TYPE 6
CASE A



GROOVING DETAIL



SECTION A-A

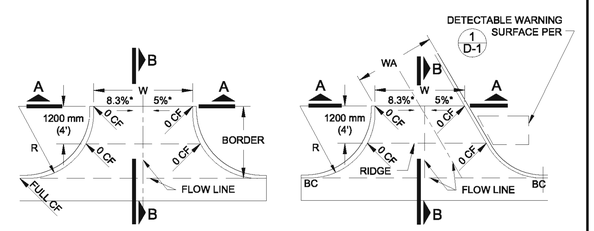


DETECTABLE WARNING DETAIL

NOTES:

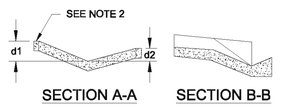
1. CONCRETE SHALL BE CLASS 520-C-2500 CONFORMING TO SPPWC 201-1.1.2 AND SHALL BE MINIMUM 4" THICK.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH ¼" GROOVES APPROXIMATELY ¾" OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS AND COLOR SHALL BE AS REQUIRED BY THE CITY AND BY THE ADA REQUIREMENTS:
   A. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN, A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
   B. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
5. CURB RAMP DETAILS, STANDARD PLAN 111-4, SHEETS 1 THRU 10, FROM THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION ARE BY REFERENCE MADE A PART OF THESE CURB RAMP DETAILS.
6. THE CASE AND TYPE REQUIRED FOR THE SPECIFIC LOCATION SHALL BE SELECTED FROM THE DETAILS SHOWN IN THE SPPWC AND THE REQUIREMENTS AND DETAILS SHOWN SHALL BE APPLIED. TYPE 1 AND TYPE 6 SHOWN ARE EXAMPLES ONLY, WORK SHALL COMPLY WITH THE COMPLETE DETAIL REQUIREMENTS IN THE SPPWC AND ADA.
7. REFERENCES ARE TO SPPWC PLAN 111-4 INCLUDING NOTES & TABLES.

6 DS-2 CURB RAMP
NOT TO SCALE



STANDARD APPROACH

ANGLE APPROACH



SECTION A-A

SECTION B-B

W mm	2400 (8')	3000 (10')	4500 (15')	6000 (20')	7500 (25')	9000 (30')
d1,mm MAX	100 (0.33')	125 (0.42')	188 (0.63')	250 (0.83')	313 (1.04')	375 (1.25')
d2, mm MIN	50 (0.17')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')	75 (0.25')

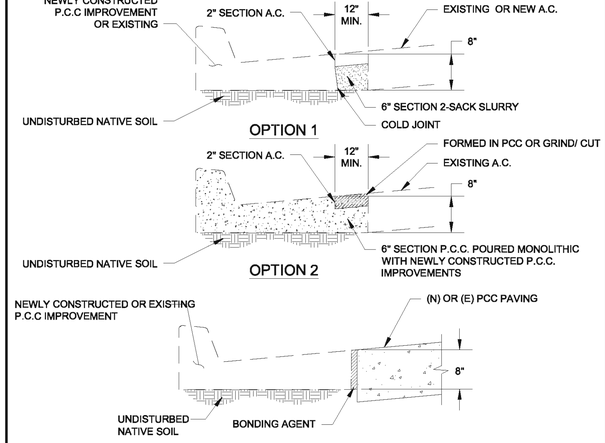
NOTES:

1. THE RADIUS OF CURB RETURN, R, IS EQUAL TO THE PARKWAY WIDTH.
2. ALLEY APPROACH SHALL BE PCC, CLASS 310-C-17 (520-C-2500), 150 MM (6") THICK.
3. ASTERISKS, *, SHOW MAXIMUM GRADES.
4. APPROACHES PER SPPWC.
5. MINIMUM 6" CAB UNDER CONCRETE, MINIMUM CONCRETE THICKNESS 6".

TYPE REPAIR - SAWCUT BONDING AGENT,
1/2" DOWELS AT 24" ALONG JOINT,
MIN. 6" PCC ON 8" CAB COMPACTED TO 95%.

7 DS-2 ALLEY APPROACH
NOT TO SCALE

CONCRETE: MIN. CLASS 520-C-2500



NOTES:

1. CONCRETE MIN 520-C-2500
2. 2" A.C. SECTION SHALL UTILIZE D1-AR-4000, 3/8" COURSE MAXIMUM.C. MIX
3. EXISTING A.C. SHALL BE SAWCUT TO PROVIDE A CLEAN JOINT LINE TO THE SATISFACTION OF THE INSPECTOR
4. THE INSPECTOR MAY REQUIRE ADDITIONAL EXISTING A.C. TO BE REPLACED TO PREVENT JOINING TO DISTRESSED PAVEMENT
5. BONDING AGENT APPROVED BY ENGINEER
6. CONTRACTOR HAS THE OPTION OF METHOD #1 OR #2 FOR AC / PCC JOIN

8 DS-2 PAVING - JOIN AT NEW OR EXISTING CONCRETE
NOT TO SCALE

CALL BEFORE YOU DIG
Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
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CITY OF COMPTON
APPROVED BY:

GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

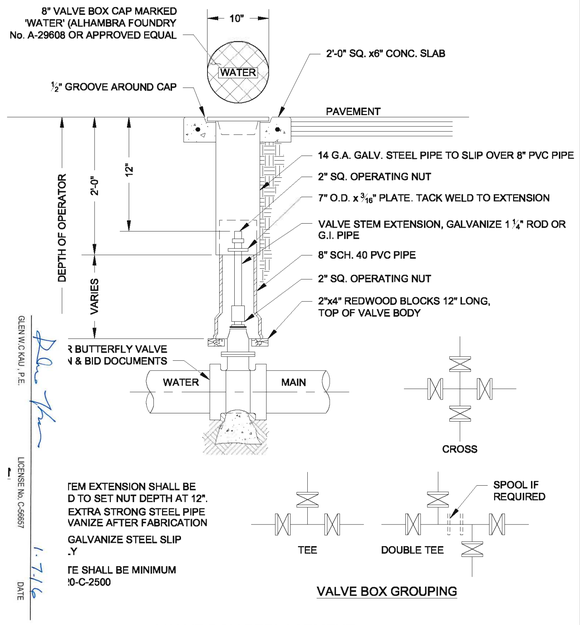
DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

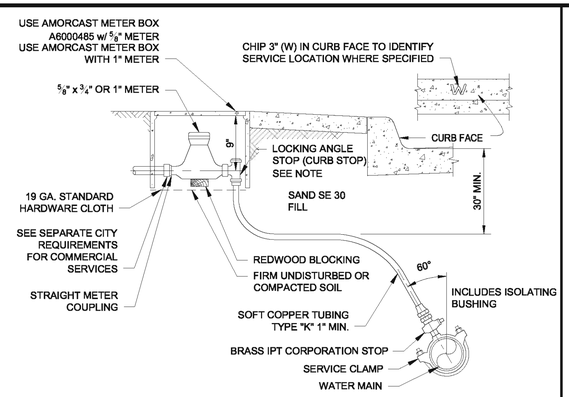
JOB No. CIP#10-18/JN120S
DRAWING No. DS-2
SHEET 16 OF 17 SHEETS

Z:\CS_PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS2-CT6.dwg 07/09/16 11:26am



1 DS-3 VALVE BOX REPLACEMENT
NOT TO SCALE

CITY OF COMPTON



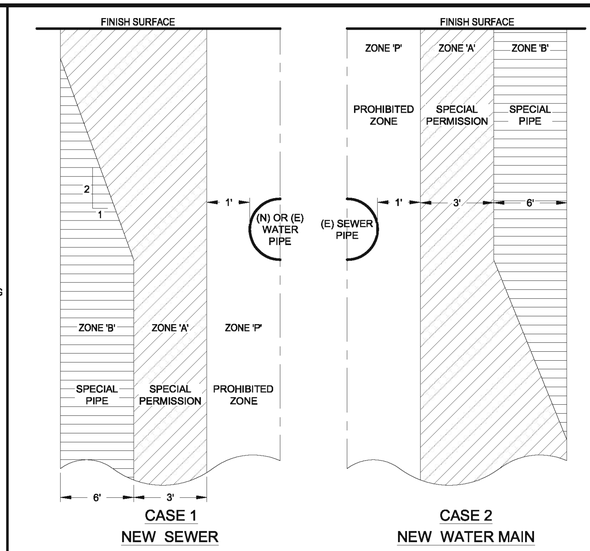
METER VALVE SIZE	CORP STOP VALVE SIZE	MIN. SIZE TUBING	MIN. RADIUS TUBING BEND	METER BOX
3/4"	1"	1"	18"	10X17X12 ARMOR CAST 12X20X12
1"	1"	1"	18"	
1 ½"	1 ½"	1 ½"	COPPER ELBOW	PER CITY OF COMPTON WATER DEPARTMENT DETAILS
2"	2"	2"	COPPER ELBOW	

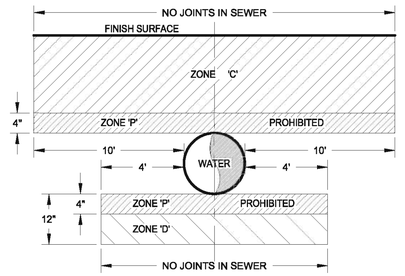
LOCKING ANGLE STOP (CURB STOP)			
MUELLER GROUND KEY ANGLE OR STRAIGHT STOP AS REQUIRED	P-14258 OR H-14255 FOR SIZES ¾" TO 1"	P-14277 1 ½" TO 2"	ALL WITH LOCK WING

NOTES:

1. REPLACE METER BOX IF DAMAGE
2. REPAIR COPPER USING SILVER PER WATER DEPT. SOLDER.
3. TEST & FLUSH BEFORE RETURN TO SERVICE.
4. ALL COMPONENTS SHALL BE LEAD FREE.

3 DS-3 WATER SERVICE
NOT TO SCALE





CASE 1
NEW SEWER CROSSING

NOTES:

1. HYDRANT SHALL BE PAINTED WITH 2 COATS OF ZINC CHROMATE PRIMER AND 2 FINISH COATS OF "SCHOOL BUS/CAUTION YELLOW" PAINT
2. RELOCATED HYDRANTS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH NOTE #1
3. CONCRETE SHALL BE MINIMUM CLASS 520-C-2500
4. FOR SHALLOW PIPE, USE FLANGE FITTINGS & FLANGE x MJ ELL (REQUIRED)
5. NEW & RELOCATED FIRE HYDRANT ASSEMBLY INCLUDES NEW TEE, VALVE, PIPE, FITTINGS, HYDRANT ASSEMBLY AND ALL IMPROVEMENTS INCLUDING TRENCH BACKFILL, PAVING IMPROVEMENTS AND RESTORATION, COMPLETE TESTED IN PLACE AND OPERATIONAL.
6. VALVE TO BE WITHIN 25 FEET OF FIRE HYDRANT.
7. FURNISH AND INSTALL BREAK-OFF CHECK VALVE FOR EACH PROPOSED HYDRANT.

5 D-3 FIRE HYDRANT
NOT TO SCALE

SIGNAGE COPY TO BE SUPPLIED BY OWNER.
QUANTITY AS SPECIFIED OR AS SHOWN.
LOCATIONS AND ORIENTATION AS DIRECTED.
MAINTAIN SIGN IN PLACE PER BID DOCUMENTS

PER CALTRANS RSP T7, RS1-RS-3 / #27

6 DS-3 PROJECT SIGN
NOT TO SCALE

NEW SEWER PARALLEL TO WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED
ZONE 'A'	SEWER SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	SEWER PLACED IN THIS ZONE SHALL BE CONSTRUCTED OF DUCTILE IRON, WITH HOT BITUMINOUS COATING AND COMPRESSION JOINTS, EXTRA STRENGTH VCP WITH COMPRESSION JOINTS, PVC WITH RING JOINTS (ASTM D3034), HDPE (AWWA C906) FUSION WELDED, OR HDPE SPIRAL REINFORCED WITH GASKET JOINTS (ASTM F-894)

NEW SEWER CROSSING WATER MAIN (CASE 1)

ZONE 'P'	PROHIBITED (NO SEWER WITHIN 4" OF WATER)
ZONE 'C'	SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT BITUMINOUS COATING AND MECHANICAL JOINTS OR CLASS 200 (DR 14 PER AWWA C900) PVC PRESSURE PIPE NO JOINTS WITHIN 8 FT. OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	SEWER SHALL BE CONTINUOUS DUCTILE IRON WITH HOT BITUMINOUS COATING AND MECHANICAL JOINT, CLASS 200 PVC PRESSURE PIPE (DR 14 PER AWWA C900), HDPE FUSION JOINTS (AWWA C906) OR ANY SEWER MAIN IN A CONTINUOUS SLEEVE
ZONE 'D'	ALTERNATE - SEPARATE PIPES WITH TEN- FOOT BY TEN FOOT, FOUR INCH THICK REINFORCED CONCRETE SLAB CENTERED ON CROSSING

NEW WATER PARALLEL TO SEWER MAIN (CASE 2)

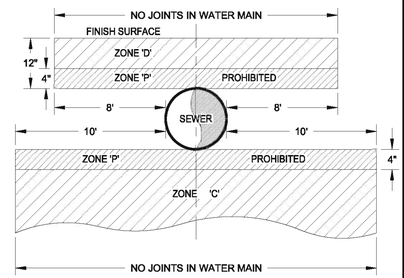
ZONE 'P'	PROHIBITED
ZONE 'A'	SPECIAL PERMISSION BY HEALTH AGENCY AND WATER DEPT. APPROVAL
ZONE 'B'	PIPE SHALL BE DUCTILE IRON WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL, HDPE FUSION JOINT (AWWA C906), OR CLASS 200 PVC (DR 14 PER AWWA C900 AND C905)

NEW WATER MAIN CROSSING SEWER MAIN (CASE 2)

ZONE 'P'	PROHIBITED
ZONE 'C'	NO JOINTS IN WATER MAIN. PIPE DIPPED AND WRAPPED QUARTER WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE RATED OR HDPE FUSION JOINT (AWWA C906)
ZONE 'D'	NO JOINTS WITHIN 8FT. OF SIDE OF SEWER AND BE DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING OR DIPPED AND WRAPPED ¼" WALL WELDED STEEL OR PVC (DR 14 AWWA C900 AND C905) CLASS 200 PRESSURE PIPE OR HDPE FUSION WELDED (AWWA C906)

NOTES:

1. THE DETAIL SHOWS CONSTRUCTION REQUIREMENTS FOR REDUCED SEPARATION OF NEW OR EXISTING WATER PIPES FROM NEW OR EXISTING SANITARY SEWERS. SEE DEPARTMENT OF HEALTH SERVICES (DOH'S) RULES FOR ADDITIONAL REQUIREMENTS AND PROXIMITY TO FORCE MAINS
2. SEWER LATERALS CROSSING UNDER WATER MAINS SHALL MAINTAIN 4" CLEARANCE
3. WATER SERVICES CROSSING SEWER MAINS SHALL NOT BE BELOW SEWER MAIN OR LATERAL
4. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL MATERIALS REQUIREMENTS (SOME ALTERNATIVE MATERIALS MAY NOT BE ALLOWED ON THIS PROJECT)
5. NEW WATER MAINS AND SEWERS SHALL BE TESTED WHERE THE PIPES ARE LOCATED TEN FEET PART OR LESS. DO NOT DISTURB EXISTING PIPELINES.
6. ALL WORK SHALL COMPLY WITH CALIFORNIA DEPARTMENT OF HEALTH SERVICES.



CASE 2
NEW WATER MAIN CROSSING

8 DS-3 PIPE SEPARATION
NOT TO SCALE

Underground Service Alert
CALL: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:
REGISTERED PROFESSIONAL ENGINEER
GLEN W. C KAU
No. 56657
Exp. 06-30-17
CIVIL
STATE OF CALIFORNIA

CITY OF COMPTON

DEPARTMENT OF PUBLIC WORKS
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-5505

CITY OF COMPTON
APPROVED BY:
GLEN W.C KAU , P.E. LICENSE No. C-56657 DATE
DIRECTOR OF PUBLIC WORKS / MUNICIPAL UTILITIES

NO.	REVISION DESCRIPTION	APP.	DATE

DESIGN: DP
DRAWN: RH
CHK'D: NA
DATE: 3/22/11

COMPTON BLVD / WILMINGTON AVE AREA SEWER REPLACEMENT

DETAIL SHEET

JOB No. CIP#10-18/JN120S
DRAWING No. DS-3
SHEET 17 OF 17 SHEETS

Z:\CS PROJECTS\Compton\Sewer CIP 10-18 and CIP 10-21\PLANS\DWG\CIP 10-18 COMPTON AND WILMINGTON SEWER\DS3-C17.dwg 07/04/16 11:27:pm

INDEX MAP SHOWING SEWERS IN CITY OF COMPTON

Legend

- Compton Pipes
- Compton Manholes
- Trunk Pipes
- Trunk Manholes
- Parcels
- City Boundary

REVISED

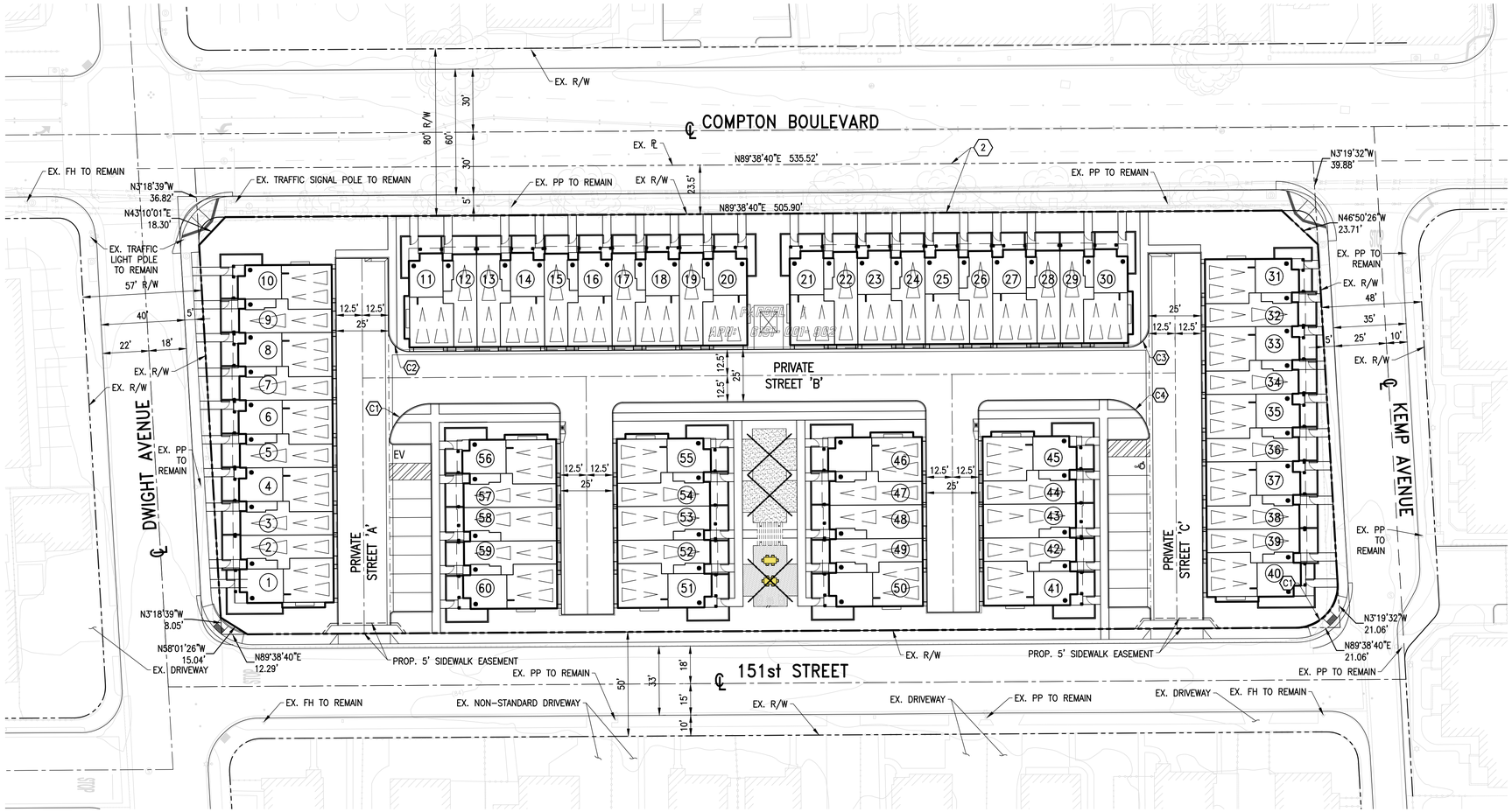
N

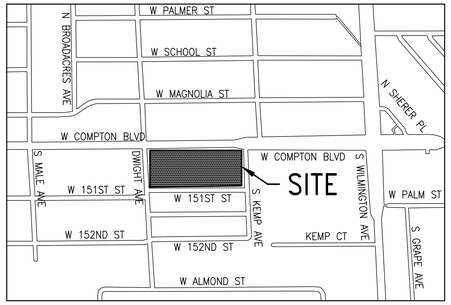
Appendix D

TENTATIVE TRACT MAP

(PROJECT SITE)

CITY OF COMPTON
TENTATIVE TRACT MAP No. 82807
FOR CONDOMINIUM PURPOSES
"CONCORD"





VICINITY MAP
N.T.S.

OWNER:

CITY VENTURES
3121 MICHELSON DR. SUITE 150
IRVINE, CA 92612
PHONE: (949) 258-7555

CIVIL ENGINEER:

C&V CONSULTING, INC.
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
PHONE: (949) 916-3800
CONTACT: DAVID TERRY

TITLE INFORMATION:

THE FOLLOWING TITLE INFORMATION WAS DERIVED FROM A PRELIMINARY TITLE REPORT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER NO.: 989-30024731-SC4 DATED JANUARY 22, 2019 AT 7:30 A.M.

# DENOTES PLOTTED ITEM.

(2) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO:	CITY OF COMPTON, A MUNICIPAL CORPORATION
PURPOSE:	PUBLIC STREET AND INCIDENTAL PURPOSES
RECORDING DATE:	AUGUST 27, 1959
RECORDING NO:	BOOK D585, PAGE 834 OF OFFICIAL RECORDS

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF COMPTON IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHERLY 223.5 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THE EASTERLY 70 FEET THEREOF.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF COMPTON, RECORDED OCTOBER 1, 1948 AS INSTRUMENT NO. 1844, IN BOOK 28405, PAGE 70 OF OFFICIAL RECORDS, AS TO PARCELS 1 AND 2 BELOW:

PARCEL 1:

THAT PORTION OF SAID LOT "G" OF THE TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT "G" (SAID NORTHERLY LINE BEARS NORTH 89° 58' 40 EAST), DISTANT THEREON 592.62 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF SAID LOT "G";

THENCE SOUTH 13° 19' 40" EAST, A DISTANCE OF 223.80 FEET;

THENCE SOUTH 89° 38' 40" WEST, A DISTANCE OF 30 FEET:

THENCE NORTH 13° 19' 40" WEST TO THE NORTHERLY LINE OF SAID LOT "G";

THENCE EASTERLY ALONG SAID NORTHERLY LINE OF SAID LOT "G" TO THE POINT OF BEGINNING TO BE KNOWN AS KEMP STREET.

PARCEL 2:

THE WESTERLY 27 FEET OF THE NORTHERLY 223.50 FEET TO THE NORTHWEST QUARTER OF LOT "G" OF TEMPLE AND GIBSON TRACT, IN THE CITY OF COMPTON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 2, PAGE 540 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TO BE KNOWN AS DWIGHT STREET.

EXCEPT THEREFROM ALL OIL, GAS, MINERAL AND HYDROCARBON SUBSTANCES LYING BEING A DEPTH OF 500 FEET FROM THE SURFACE OF SAID LAND, WITHOUT RIGHT OF SURFACE ENTRY, WHICH RIGHT IS RESERVED IN THE DEED FROM ROBERT L. HOROWITZ AND ELEANOR HOROWITZ, HIS WIFE, CLARENCE K. HOROWITZ AND ROSALIE H. HOROWITZ, HIS WIFE, AND FREDERICK G. HOROWITZ AND BARBARA J. HOROWITZ, HIS WIFE, RECORDED MARCH 3, 1970 AS INSTRUMENT NO. 215 OF OFFICIAL RECORDS.

APN(S): 6161-001-902

SHEET INDEX:

1 TENTATIVE MAP
2 CONCEPTUAL SITE PLAN
3 SECTIONS
4 CONCEPTUAL GRADING PLAN
5 CONCEPTUAL UTILITY PLAN

ABBREVIATIONS:

AC	ASPHALT CONCRETE
ASPH	ASPHALT
BLDG	BUILDING
CB	CATCH BASIN
CF	CURB FACE
℄	CENTER LINE
CO	CLEAN OUT
CONC	CONCRETE PAVEMENT
DW	DOMESTIC WATER
EX	EXISTING
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GV	GATE VALVE
INV	INVERT
LAT	LATERAL
MH	MANHOLE
NTS	NOT TO SCALE
OH-E	OVERHEAD POWERLINE
PP	POWER POLE
ℙ	PROPERTY LINE
PROP	PROPOSED
R	RISER
RCP	ROUNDED REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SS	SANITARY SEWER
SVC	SERVICE
S/W	SIDEWALK
ST LT	STREET LIGHT
TYP.	TYPICAL
WM	WATER METER

LEGEND:

- CENTERLINE
- EX. TRACT BOUNDARY/ RIGHT-OF-WAY LINE
- PROP. TRACT BOUNDARY / RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- EX. FENCE
- PROP. WALL
- (84) EX. CONTOUR LINE
- FIRE HYDRANT
- WATER VALVE
- EX. SEWER MANHOLE
- EX. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- PROP. BUILDING
- (17) LOT NUMBER

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA

FLOOD NOTE:

THE SUBJECT PROPERTY FALLS WITHIN "ZONE X – AREA OF MINIMAL FLOOD HAZARD" PER FEMA MAP NO. 06037C1815F, A PRINTED PANEL, EFFECTIVE SEPTEMBER 26, 2008

TOPOGRAPHY NOTE:

TOPOGRAPHY AND CONTOURS SHOWN HEREON ARE BASED ON 1' CONTOUR INTERVALS FROM AERIAL PHOTOGRAMETRY FLOWN BY C&V CONSULTING INC. ON 4/2/2019. THE RELATIVE POSITIONAL ACCURACY OF CALLED OUT IMPROVEMENTS SHOWN ON THE SURVEY IS WITHIN 0.1' OF THEIR ACTUAL LOCATIONS.

BENCHMARK STATEMENT:

LOS ANGELES COUNTY BENCHMARK NO. Y5878
ELEV: 99.944' (NAVD88 LEVELED 2005)
DESCRIBED AS: "L&T IN CB RET 4.3M(14FT) E/O BCR @ NW CORNER LONDRA BL & CENTRAL AVE"

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE BEARING OF WEST COMPTON AVENUE BEING NORTH 89°38'40" EAST AS SHOWN ON TRACT NO. 15223 FILED IN BOOK 331, PAGES 47 AND 48 OF MAPS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER.

ZONING INFORMATION

EXISTING GENERAL PLAN: MEDIUM DENSITY RESIDENTIAL
PROPOSED GENERAL PLAN: HIGH DENSITY RESIDENTIAL

EXISTING ZONING: CL – LIMITED COMMERCIAL AND P – PARKING
PROPOSED ZONING: CL – LIMITED COMMERCIAL

REQUIRED SETBACKS:
FRONT YARD – COMPTON BLVD: 15' TO BUILDING
STREET SIDE YARD – DWIGHT AVE: 5' TO BUILDING
STREET SIDE YARD – KEMP AVE: 5' TO BUILDING
REAR YARD – 151ST ST: 10' TO BUILDING

MINIMUM BUILDING SEPARATION: 8'

AREA SUMMARY:

107,051.35 SQ. FT. (2.457 AC) GROSS
106,726.73 SQ. FT. (2.450 AC) NET

DATE OF PREPARATION:

3/22/21

UTILITY PROVIDERS:

UTILITY	AGENCY	PHONE NUMBER
STORM DRAIN	CITY OF COMPTON	(310) 605-5505
SANITARY SEWER	REPUBLIC SERVICES	(800) 299-4898
WATER	COMPTON MUNICIPAL WATER DEPARTMENT	(310) 605-5524
ELECTRICITY	SOUTHERN CALIFORNIA EDISON	(800) 655-4555
TELEPHONE	AT&T	(800) 331-0500
GAS	SOCALGAS	(800) 427-2200
CATV	SPECTRUM	(866) 874-2389

SCALE: 1" = 30'
0 15 30 60

PREPARED BY:

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CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
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F. 949.916.3805
CVC-INC.NET

"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 1 of 5

PROJ: CVEN-125
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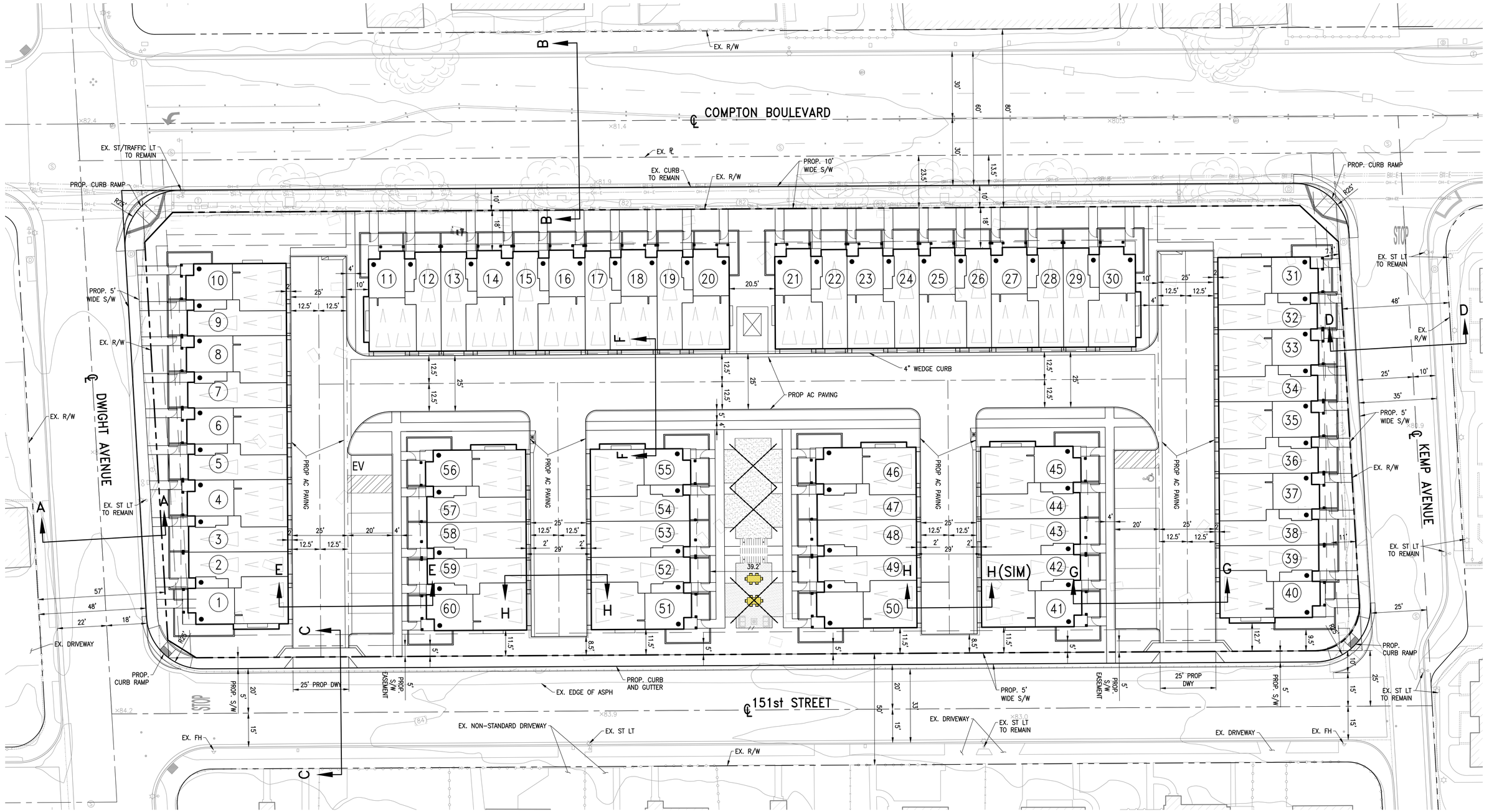
CITY OF COMPTON
CONCEPTUAL SITE PLAN



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LAND PLANNING & SURVEYING

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SCALE: 1" = 20'
0 10 20 40

CONCEPTUAL SITE PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 2 of 5

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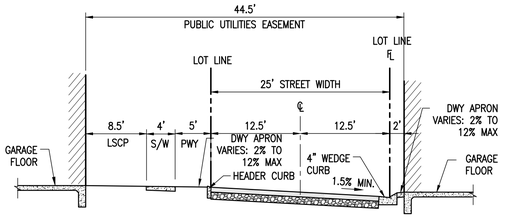
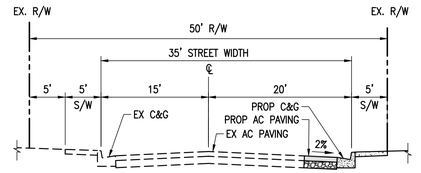
CITY OF COMPTON
STREET SECTIONS



SECTION 'F-F'
N.T.S.



TYPICAL SECTION 'C-C'
151ST ST.
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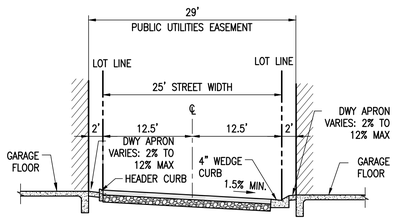

SECTION 'H-H'
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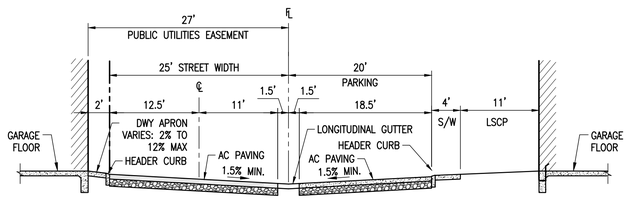

SECTION 'E-E'
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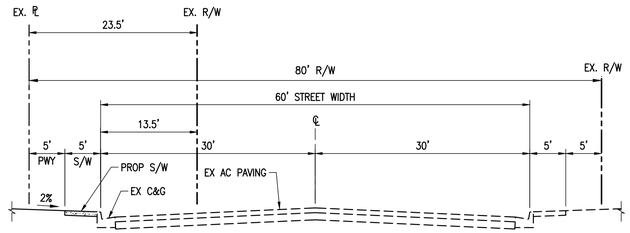

TYPICAL SECTION 'B-B'
COMPTON BLVD.
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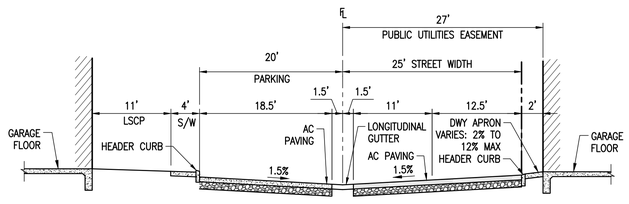

SECTION 'G-G'
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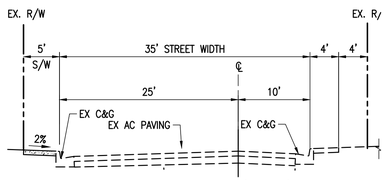

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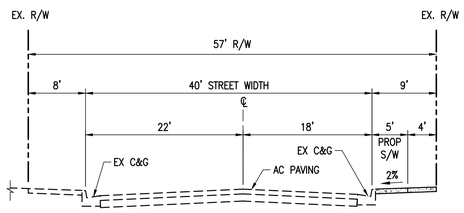
KEMP AVE.
N.T.S.



TPYICAL SECTION 'A-A'
DWIGHT AVE.
N.T.S.

PREPARED BY:
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630
T. 949.916.3800
F. 949.916.3805
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STREET SECTIONS
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 3 of 5

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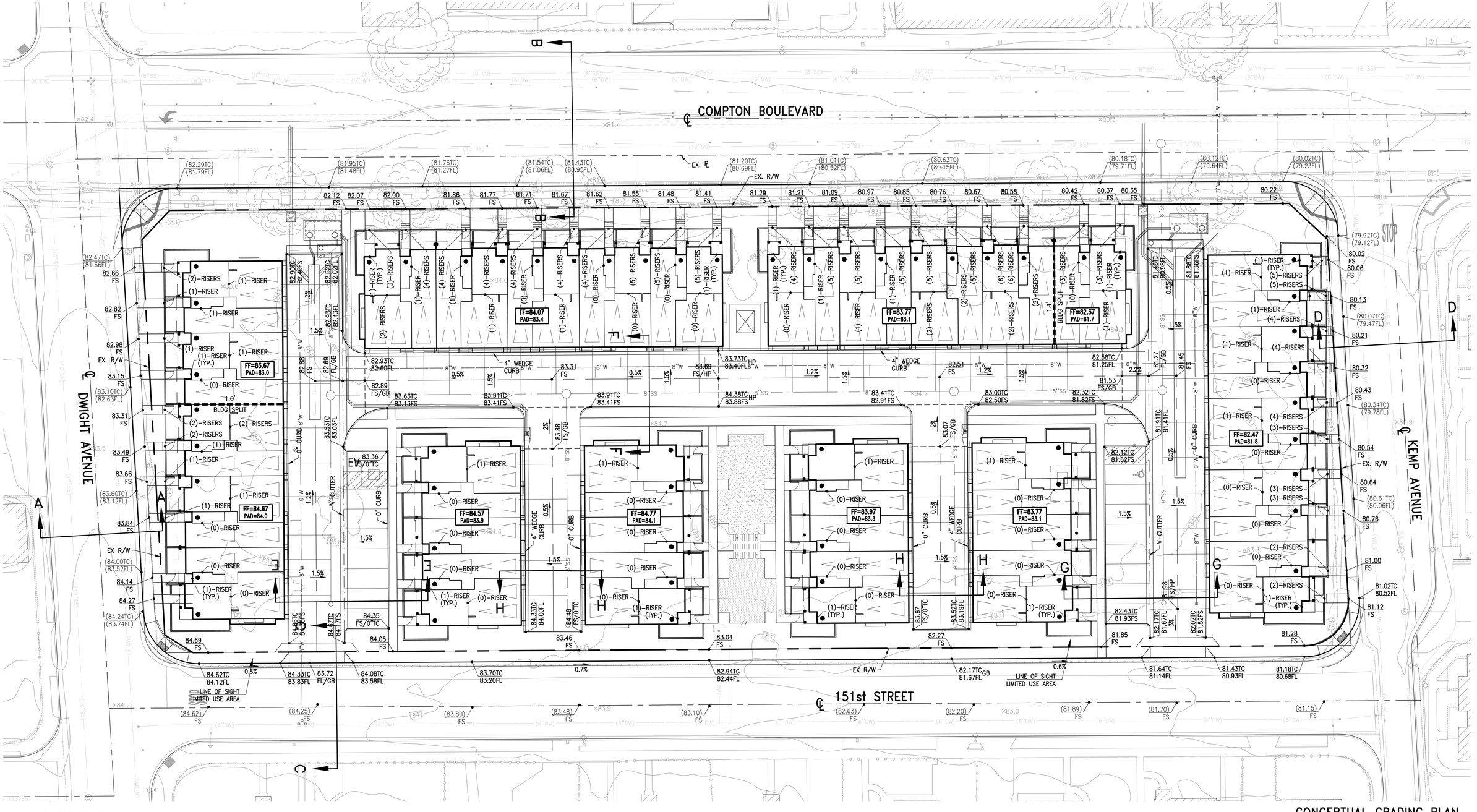
CITY OF COMPTON
CONCEPTUAL GRADING PLAN



PREPARED BY:

C&V CONSULTING, INC. CIVIL ENGINEERING LAND PLANNING & SURVEYING

6 ORCHARD, SUITE 200
LAKE FOREST, CA 92630

T. 949.916.3800
F. 949.916.3805

CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

CONCEPTUAL GRADING PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 4 of 5

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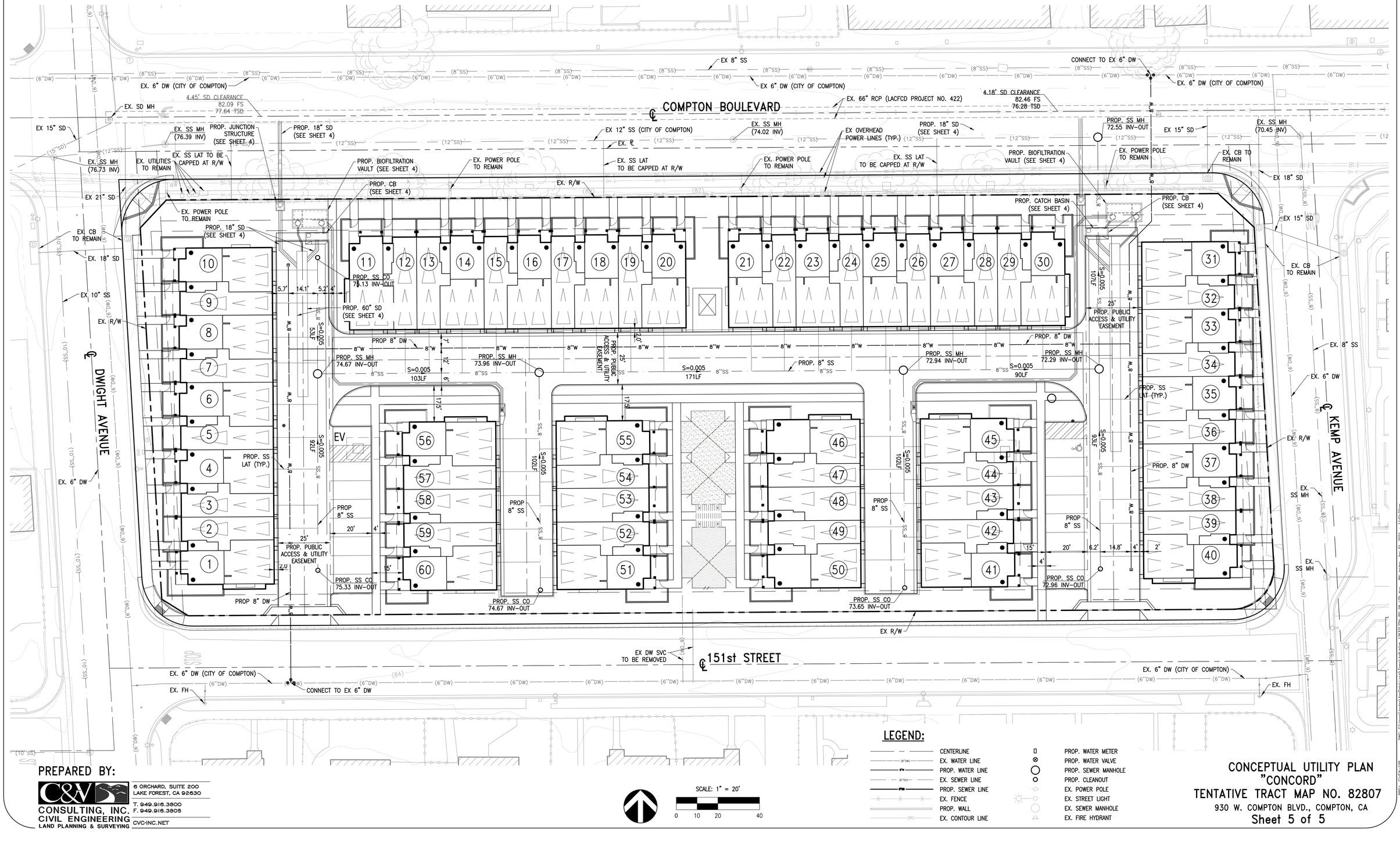
CITY OF COMPTON
CONCEPTUAL UTILITY PLAN



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LAND PLANNING & SURVEYING

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F. 949.916.3805
CVC-INC.NET

SCALE: 1" = 20'

0 10 20 40

LEGEND:

- CENTERLINE
- EX. WATER LINE
- PROP. WATER LINE
- EX. SEWER LINE
- PROP. SEWER LINE
- EX. FENCE
- PROP. WALL
- EX. CONTOUR LINE
- PROP. WATER METER
- PROP. WATER VALVE
- PROP. SEWER MANHOLE
- PROP. CLEANOUT
- EX. POWER POLE
- EX. STREET LIGHT
- EX. SEWER MANHOLE
- EX. FIRE HYDRANT

CONCEPTUAL UTILITY PLAN
"CONCORD"
TENTATIVE TRACT MAP NO. 82807
930 W. COMPTON BLVD., COMPTON, CA
Sheet 5 of 5

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Appendix E

LACDPW SEWER AREA STUDY GUIDELINES,

SEWER ATLAS MAP

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION

AREA STUDY

An area study must be made for all private contract sewer projects. See attached sample. The area study must include the following items:

1. Area being served - In Acres
2. Determined Tributary area to main line being designed (incl. areas of future devel.)- In Acres
3. Existing and Land Use Zoning
4. Anticipated Sewer Discharge in cfs of total area based on zoning, and/or heavy water users
5. Existing or proposed utilities if in conflict
6. Existing and proposed sewers showing pipe size and grade leading up to the trunk line in order for you to evaluate the impact of your proposed development on the existing system
7. Direction of sewer flow
8. Contour lines
9. Scale not to be less than 1"=600'
10. North arrow pointing up or to the left

ZONING COEFFICIENTS

ZONE	COEFFICIENT (cfs/Acre)
Agriculture	0.001
Residential	
R-1	0.004
R-2	0.008
R-3	0.012
R-4	0.016 *
Commerical	
C-1 through C-4	0.015 *
Heavy Industrial	
M-1 through M-4	0.021 *

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown.

The coefficient to be used for any zoned areas not listed will be determined by the County based upon the intended development and use.

The County shall determine which of the coefficients or combination of coefficients shall be used for design as determined by the established or proposed zoning in the study area. Any modifications to these coefficients due to topography, development, or hazard areas, shall be approved by the Department of Public Works.

Estimated Average Daily Sewage Flows for Various Occupancies

Occupancy	Abbreviation	*Average daily flow	
Apartment Buildings:			
Bachelor or Single dwelling units	Apt	100	gal/D.U. → 150
1 bedroom dwelling units	Apt	150	gal/D.U. → 200
2 bedroom dwelling units	Apt	200	gal/D.U. → 250
3 bedroom or more dwelling units	Apt	250	gal/D.U. → use 300 GPD per SMD
Auditoriums, churches, etc.	Aud	5	gal/seat
Automobile parking	P	25	gal/1000 sq ft gross floor area
Bars, cocktails lounges, etc.	Bar	20	gal/seat
Commercial Shops & Stores	CS	100	gal/1000 sq ft gross floor area
Hospitals (surgical)	HS	500	gal/bed
Hospitals (convalescent)	HC	85	gal/bed
Hotels	H	150	gal/room
Medical Buildings	MB	300	gal/1000 sq ft gross floor area
Motels	M	150	gal/unit
Office Buildings	Off	200	gal/1000 sq ft gross floor area
Restaurants, cafeterias, etc.	R	50	gal/seat
Schools:			
Elementary or Jr. High	S	10	gal/student
High Schools	HS	15	gal/student
Universities or Colleges	U	20	gal/student
College Dormitories	CD	85	gal/student

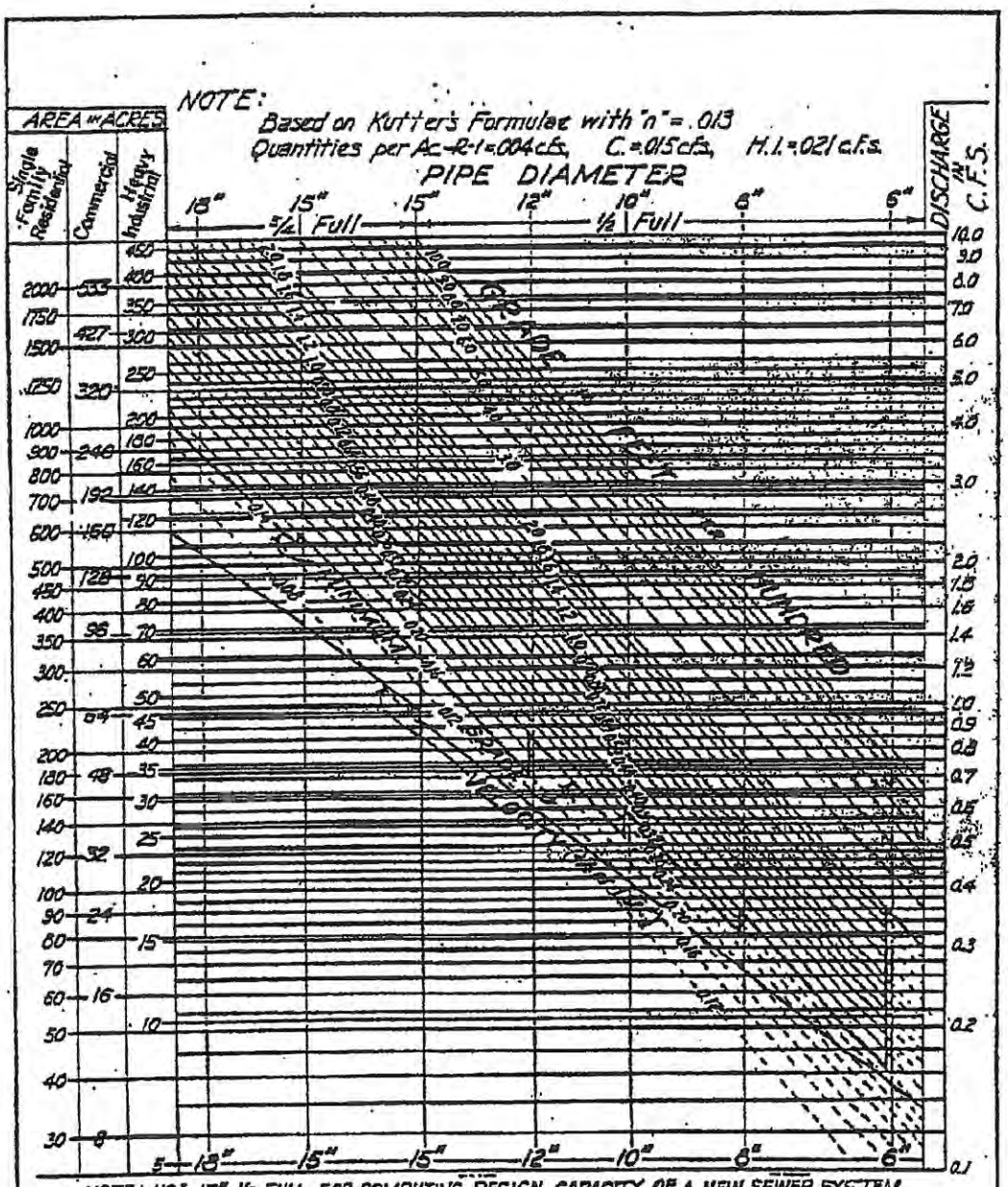
*Multiply the average daily flow by 2.5 to obtain the peak flow

Zoning Coefficients

Zone	Coefficient (cfs/Acre)
Agriculture	**0.001**
Residential+:	
R-1	**0.004**
R-2	**0.008**
R-3	**0.012**
R-4	**0.016***
Commercial:	
C-1 through C-4	**0.015***
Heavy Industrial:	
M1 through M-4	**0.021***

***Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown**

+ Use 0.001 (cfs/unit) for condominiums only



FLOW DIAGRAM FOR THE DESIGN OF CIRCULAR SANITARY SEWERS

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

ASSISTANT DEPUTY

COUNTY ENGINEER

COUNTY ENGINEER STANDARD S-C4

DATE: 3/80

DESIGN RCE 10443

Appendix F

LOS ANGELES COUNTY SANITATION DISTRICT – WILL SERVE LETTER

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

April 5, 2019

Ref. Doc. No.: 4998396

Ms. Caitlin Espinoza
Project Coordinator
C & V Consulting, Inc.
6 Orchard, Suite 200
Lake Forrest, CA 92630

Dear Ms. Espinoza:

Will Serve Letter for 930 West Compton Boulevard Residential Project

The Sanitation Districts of Los Angeles County (Districts) received your will serve letter request for the subject project on March 21, 2019. The proposed project is located within the jurisdictional boundaries of District No. 1. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Joint Outfall G Unit 5 Trunk Sewer, located along the west side of Compton Creek at Compton Boulevard. The Districts' 31.3-inch diameter lined trunk sewer has a capacity of 7.9 million gallons per day (mgd) and conveyed a peak flow of 5.8 mgd when last measured in 2013.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently produces an average flow of 261.1 mgd.

3. The expected average wastewater flow from the project, described in the conceptual site plan as 24 homes, is 6,240 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee for the privilege of connecting (directly or indirectly) to the Districts' Sewerage System for increasing the strength or quantity of wastewater discharged from connected facilities. This connection fee is a capital facilities fee that is imposed in an amount sufficient to construct an incremental expansion of the Sewerage System to accommodate the proposed project. Payment of a connection fee will be required before a permit to connect to the sewer is issued. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, Wastewater & Sewer Systems, click on Will Serve Program, and search for the appropriate link. In determining the impact to the Sewerage System and applicable connection fees, the Districts' Chief Engineer and General Manager will determine the user category (e.g. Condominium, Single

Family home, etc.) that best represents the actual or anticipated use of the parcel or facilities on the parcel. For more specific information regarding the connection fee application procedure and fees, please contact the Connection Fee Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CCA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise you that the Districts intend to provide this service up to the levels that are legally permitted and to inform you of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717.

Very truly yours,

for:

Adriana Raza
Customer Service Specialist
Facilities Planning Department

AR:ar

cc: A. Schmidt
A. Howard

Appendix G

CITY OF COMPTON ZONING MAP

ZONING
THE USE AND REGULATION OF LAND

All land in the City is divided into zones which regulate, through the Zoning Ordinance of the Compton Municipal Code, how a piece of property can be used and physically developed. These zones are designed to promote orderly development, allowing similar uses to coexist while separating incompatible uses.

1. Automatically Permitted Uses

Uses which require no special permits provided that the physical development of the site meets Municipal Code guidelines. Normal permits such as certificates of occupancy, business licenses, building permits, etc., are still required.

2. Conditionally Permitted Uses

Uses which require a special permit, called a "Conditional Use Permit", in addition to all normal permits. Some uses may be "conditionally" permitted in one zone and "automatically" permitted in another zone. Other uses require a Conditional Use Permit no matter where they are located.

The Zoning Ordinance also prohibits certain uses, either in one or more zones or Citywide. If a use is not listed as "automatically" or "conditionally permitted" in the zone or "conditionally permitted" Citywide it is prohibited.

The physical development of land (setbacks, parking, signs, fences, etc.) is also regulated by the Zoning Ordinance. Proposed development must conform to both the usage and the development requirements for the specific zone.

Zoning within the City of Compton is divided into the following designations:

The "R-A" (Residential Agriculture) Zone, which provides for one-family homes on 10,000 square foot or larger lots and certain agricultural uses.

The "R-L" (Low-Density Residential) Zone, which provides for one-family homes on 5,000 square foot or larger lots.

The "R-M" (Medium-Density Residential) Zone, which provides for one dwelling unit per 2,500 square feet on 5,000 square-foot or larger lots. More than four dwelling units require a Conditional Use Permit.

The "R-H" (High-Density Residential) Zone, which provides for one dwelling unit per 1,250 square feet on 5,000 square foot or larger lots. More than four dwelling units require a Conditional Use Permit.

City of Compton
Zoning Map

Legend

- City Limits
- RA - Residential Agriculture
- RL - Low Density Residential
- RM - Medium Density Residential
- RH - High Density Residential
- P - Parking
- PRL - Parking/Low Density Residential
- PRM - Parking/Medium Density Residential
- PRH - Parking/High Density Residential
- CL - Limited Commercial
- CM - Commercial Manufacturing
- ML - Limited Manufacturing
- MH - Heavy Manufacturing
- B - Buffer
- LAC - Los Angeles County
- UNZONED
- creek
- streetsphere

THIS MAP IS A PUBLIC RESOURCE OF GENERAL INFORMATION. THE CITY OF COMPTON MAKES NO WARRANTY, REPRESENTATION OR GUARANTY AS TO THE CONTENT, SEQUENCE, ACCURACY, TIMELINESS OR COMPLETENESS OF ANY OF THE DATABASE INFORMATION PROVIDED HEREIN. THE READER SHOULD NOT RELY ON THE DATA PROVIDED HEREIN FOR ANY REASON. THE CITY OF COMPTON EXPLICITLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE CITY OF COMPTON SHALL ASSUME NO LIABILITY FOR:

1. ANY ERRORS, OMISSIONS, OR INACCURACIES IN THE INFORMATION PROVIDED REGARDLESS OF HOW CAUSED; OR
2. ANY DECISION MADE OR ACTION TAKEN OR NOT TAKEN BY READER IN RELIANCE UPON ANY INFORMATION OR DATA FURNISHED HEREUNDER.

N

PRELIMINARY HYDROLOGY & HYDRAULICS STUDY
TTM 82807
930 W. COMPTON BOULEVARD
COMPTON, CA 90220

Project Address:
930 W. Compton Boulevard
Compton, CA 90220

Prepared For:

City Ventures
3121 Michelson Drive, Suite 150
Irvine, CA 92612
Kim Prijatel, Vice President of Development
(949) 258-7555

Prepared by:

C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
Philip Malcomson, P.E.

Prepared: August 2019
Revised: March 2021

Preliminary Hydrology & Hydraulics Study
For
Tract Map No. 82807

ACKNOWLEDGEMENT AND SIGNATURE PAGE

This Hydrology Study was prepared by C&V Consulting, Inc. under the supervision of Philip Malcomson, P.E.

_____ _____

Philip Malcomson, PE 67819 Date
C&V Consulting, Inc.

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APPENDICES

A. Vicinity Map
B. South Gate Isohyet Map
C. HydroCalc Outputs
D. Existing Conditions Hydrology Map
E. Proposed Conditions Hydrology Map
F. Hydraulic Calculations
G. Detention Calculations
H. LACDPW Allowable Q

I. Purpose

The purpose of this report is to provide quantitative information to verify the design of the storm drain infrastructure and hydrologic methodology of the project site. The values and statements within the confirm the subject site is designed and planned in accordance to the Los Angeles County Hydrology Manual and the City of Compton drainage requirements.

II. Introduction

The proposed project comprises a total of 2.45 acres and is located 930 W. Compton Boulevard, in the City of Compton (APN: 6161-001-902). The site is bounded by W. Compton Boulevard to the north, W. 151st Street and existing single-family residential to the south, S. Kemp Avenue and existing single-family residential to the east, and Dwight avenue and a liquor store to the west. Refer to Appendix A for the Vicinity Map.

The development proposes to construct 8 buildings of 60 residential units with private garages, private drive aisles, sidewalks, guest parking areas, and common landscaped areas. The project site will be accessible via two entrances/exits along W. 151st Street.

The existing site is currently vacant, pervious land. Elevations onsite range between approximately 81 feet to 85 feet above mean sea level with a relative low point near the northeast corner of the site. Existing site drainage is generally directed as sheet flow in the northeast direction and overflows into the rights-of-way of W. Compton Boulevard and S. Kemp Avenue. Within W. Compton Boulevard and S. Kemp Avenue, two (2) existing catch basins capture and convey stormwater to an existing Los Angeles County Flood Control District (LACFCD) 66" storm drain facility within W. Compton Boulevard which flows in the easterly direction and outlets to the existing Compton Creek. Compton Creek drains to the existing Los Angeles River and ultimately the Pacific Ocean at San Pedro Bay.

Proposed site drainage will be collected and conveyed by two (2) proposed curb-inlet catch basins and an area drain system to two (2) proposed underground detention systems which will discharge to the existing LACFCD 66" storm drain at two (2) points of connection. Low flows will be directed to proposed Modular Wetlands System (MWS) Biofiltration Vaults for water quality treatment prior to entering the proposed detention systems. During larger storm events, stormwater runoff will bypass the treatment systems and be conveyed directly to the proposed detention system. The detention system will be equipped with an orifice to mitigate the peak discharge rate to the allowable peak flowrate (Allowable Q) provided Los Angeles County Department of Public Works (LACDPW). Excess flows will be temporarily detained as they are released at the Allowable Q. Refer to Appendix H for the Allowable Q provided by LACFCD.

III. Methodology

The project site's drainage was analyzed per the Los Angeles County Hydrology Manual. The existing and proposed conditions of the site were analyzed for peak flow rate and time of concentration for the 25-, 50-, and 100-year storm events based on acreage and land cover per the LACDPW HydroCalc software.

IV. Design Assumptions

1. The LACDPW HydroCalc Calculator Program was used to determine Tc, peak run-off flow rate, and run-off volumes for each subarea.

2. The property is located in the "South Gate" rainfall region, per Figure 1-H1.9 of the Hydrology Manual. A depth of 6.15 inches of rainfall was used for the 50-year storm.

3. The site is in the soil classification "003" per Figure 1-H1.9 of the Hydrology Manual.

4. The site was analyzed for a 25-year, 50-year, and 100-year storm events. Copies of the HydroCalc output data can be found in Appendix C of this report. The peak runoff values have also been incorporated into the included hydrology exhibits, which are made a part of this study.

5. Proposed storm drains will be sized to convey the 25-year storm per Section 4.3 of the Hydrology Manual.

6. The existing project site is undeveloped and was assumed to be 1% impervious based on recommended values per the Hydrology Manual.

7. The proposed project site was assumed to be approximately 86% impervious based on the development type and recommended values per the Hydrology Manual.

8. Detention Calculations were determined using the LACDPW HydroCalc output values for the 25-year storm event. Refer to Appendix G of this report for detention calculations.

V. Hydraulic Calculations

Pipe Sizing

Onsite storm drain piping will be sized for the 25-year storm event and will be analyzed based on open channel flow. Therefore, WSPG hydraulic pressure analysis is not warranted.

$Q = \frac{k'}{n} d^{8/3} S^{1/2}$ per King's Handbook

k' = 0.463
d = pipe diameter

n=0.013*
S=0.005

Pipe Diameter	Max. Q (cfs)
8"	0.854
12"	2.518
15"	4.566
18"	7.425
24"	15.991
36"	47.146

n=0.013*
S=0.010

Pipe Diameter	Max. Q (cfs)
8"	1.208
12"	3.562
15"	6.457
18"	10.501
24"	22.614
36"	66.675

*A Manning's Roughness Coefficient of 0.013 has been utilized to represent the roughness coefficient of PVC and/or HDPE piping.

Catch Basin Sizing

Catch Basin Sizing will be provided during final engineering.

100-Year Water Surface Elevation (WSE)

The elevation of the 100-year water surface will be analyzed during final engineering. Building finished floors will be set at a minimum of at least 1 foot above the 100-year WSE.

VI. Conclusions

Below is a summary of the project site existing and proposed conditions peak runoff values.

	DA	Q_{25} (cfs)	Q_{50} (cfs)	Q_{100} (cfs)
Existing Condition	X1	1.70	2.53	3.59
Proposed Condition	1	2.94	3.37	3.80
	2	3.70	4.24	4.78
	Total	6.62	7.59	8.56

Refer to Appendix C of this report for additional information and LACDPW HydroCalc output data.

Since this project proposes to drain directly to the existing LACFCD 66" storm drain facility within W. Compton Boulevard, LACDPW provided an Allowable Q of 1.10 cfs/acre of for the proposed development. The product of the Allowable Q (cfs/acre) and the acreage for each drainage area is the total Allowable Q (cfs) for each drainage area.

The onsite detention required to mitigate the proposed condition peak flowrate during the 25-year storm event to the Allowable Q was calculated by utilizing the 25-year storm event hydrographs generated by the LACDPW HydroCalc software and the total Allowable Q. The area under the hydrograph for all flowrates greater than the total Allowable Q equals the amount of detention required. The results are summarized below:

Drainage Area	Acreage	Allowable Q (cfs) (Acreage x 1.1 cfs/acre)	Required Storage (cf)	Provided Storage
1	1.085	1.194	1,243.8	70 lf of 60" pipe → 1,374.5 cf
2	1.365	1.501	1,564.8	100 lf of 60" pipe → 1,963.5 cf
Total	2.45	2.695	2,722	3,338 cf

Refer to Appendix G for detention calculations.

After the required amount of detention was determined, the orifice diameter required to mitigate the discharge rate was calculated by utilizing the following equation:

$$O = KA\sqrt{2gh}$$ per King's Handbook

Where, O = orifice outflow (cfs)
K = constant, 0.65
A = area of orifice (sf)
g = acceleration due to gravity (32.2 ft/s^2)
h = hydraulic head above orifice (60" pipe → h = 5 ft)

After solving the orifice equation for the area, the minimum required diameter for each drainage area was calculated. Orifice calculations for mitigating the 25-year storm event to the Allowable Q for each drainage area (DA) are shown below:

DA 1

Acreage = 1.085

Allowable Q = 1.194 cfs

$$A = \frac{O}{K\sqrt{2gh}}$$

$$A = \frac{1.194 \text{ cfs}}{0.65\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})}} = 0.1024 \text{ ft}^2$$

$$A = \left(\frac{\pi}{4}\right) D^2 \rightarrow D = \sqrt{\frac{4}{\pi}A}$$

$$D = \sqrt{\frac{4}{\pi}(0.1024 \text{ ft}^2)} = 0.361 \text{ ft}$$

$$= 4.33 \text{ in} \rightarrow \text{use } 4.25\text{" orifice}$$

$$O = (0.65)\left(\frac{\pi}{4}\right)\left(\frac{4.25}{12}\text{ft}\right)^2\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})} = 1.149 \text{ cfs} < 1.194 \text{ cfs}\checkmark$$

DA 2

Acreage = 1.365

Allowable Q = 1.501 cfs

$$A = \frac{O}{K\sqrt{2gh}}$$

$$A = \frac{1.501 \text{ cfs}}{0.65\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})}} = 0.1287 \text{ ft}^2$$

$$A = \left(\frac{\pi}{4}\right) D^2 \rightarrow D = \sqrt{\frac{4}{\pi}A}$$

$$D = \sqrt{\frac{4}{\pi}(0.1287 \text{ ft}^2)} = 0.405 \text{ ft}$$

$$= 4.85 \text{ in} \rightarrow \text{use } 4.75\text{" orifice}$$

$$O = (0.65)\left(\frac{\pi}{4}\right)\left(\frac{4.75}{12}\text{ft}\right)^2\sqrt{(2)(32.2\ ^{ft}/_{s^2})(5 \text{ ft})} = 1.435 \text{ cfs} < 1.501 \text{ cfs}\checkmark$$

VII. References

1. Los Angeles County Department of Public Works (LACDPW) Hydrology Manual, January 2006.

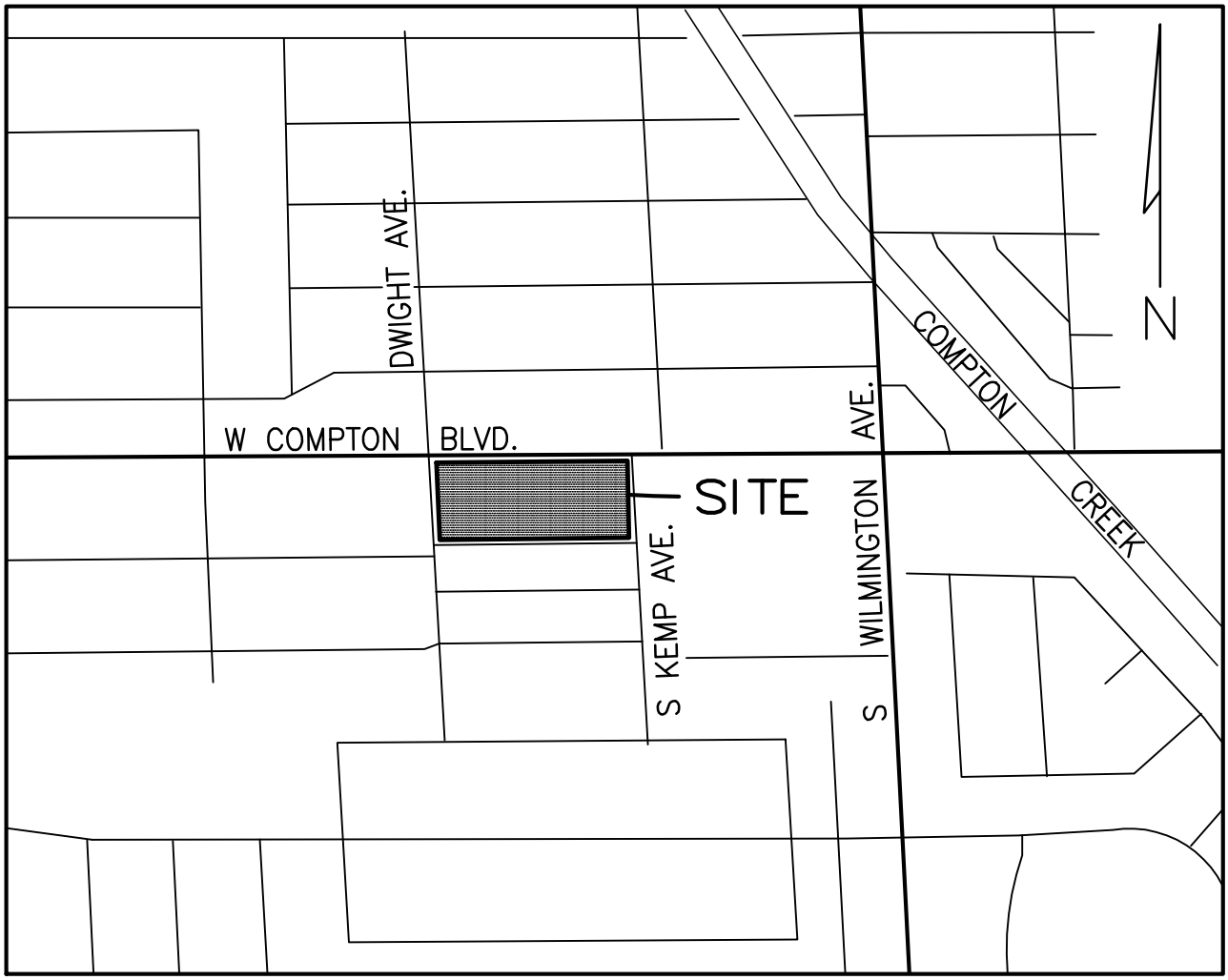
2. LACDPW HydroCalc Program was utilized to determine flow rates and time of concentrations.

3. Existing and Proposed Conditions Hydrology Maps for Tract Map No. 82807, prepared by C&V Consulting, Inc., August 2019

4. KING, HORACE WILLIAMS. HANDBOOK OF HYDRAULICS: for the Solution of Hydraulic Problems (Classic Reprint). FORGOTTEN Books, 2015

APPENDIX A

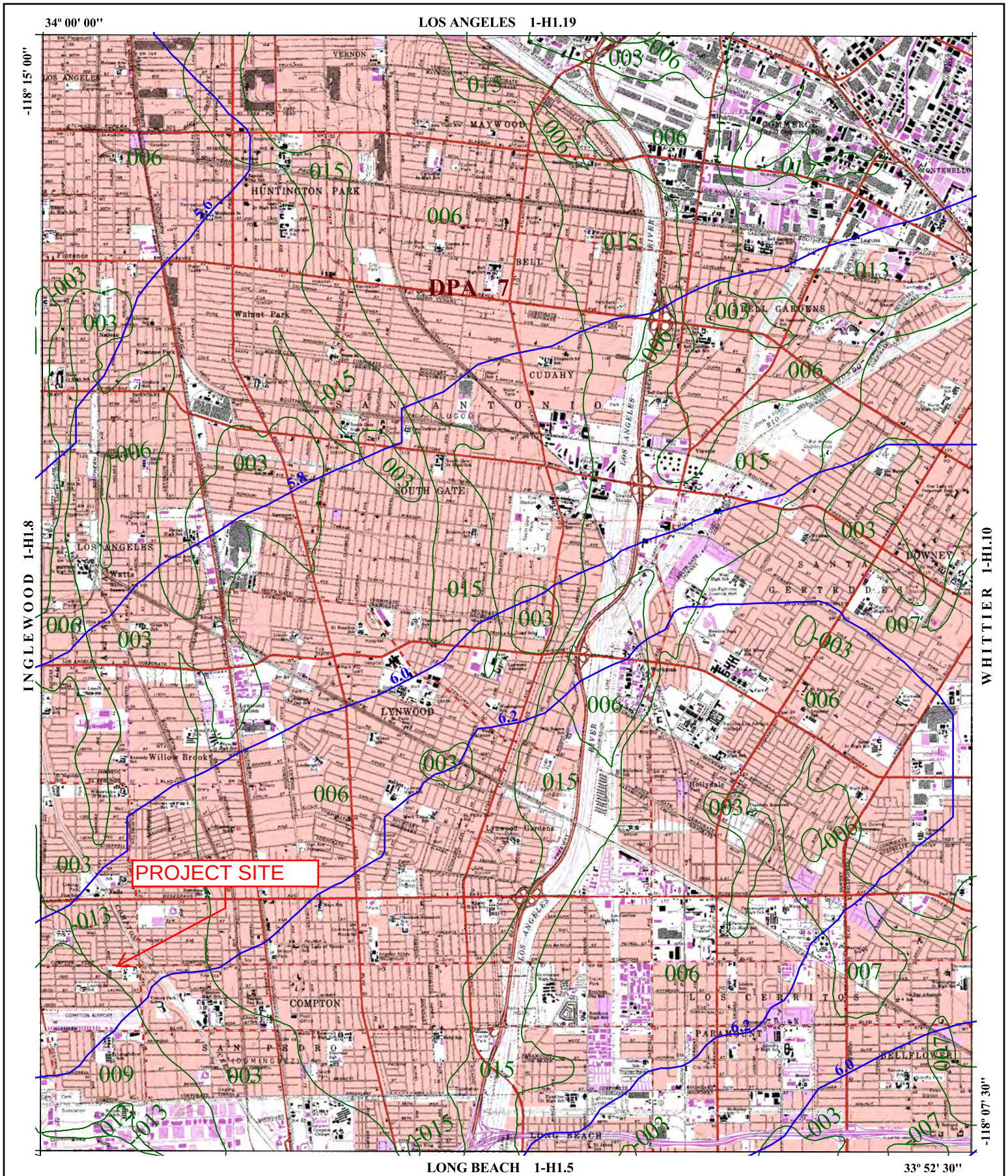
VICINITY MAP



930 W. COMPTON BOULEVARD
COMPTON, CA 90220

APPENDIX B

SOUTH GATE ISOHYETAL MAP



N
W E
S

016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

SOUTH GATE
50-YEAR 24-HOUR ISOHYET

1-H1.9

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

APPENDIX C

HYDROCALC OUTPUTS

EXISTING CONDITIONS CALCULATIONS

Peak Flow Hydrologic Analysis

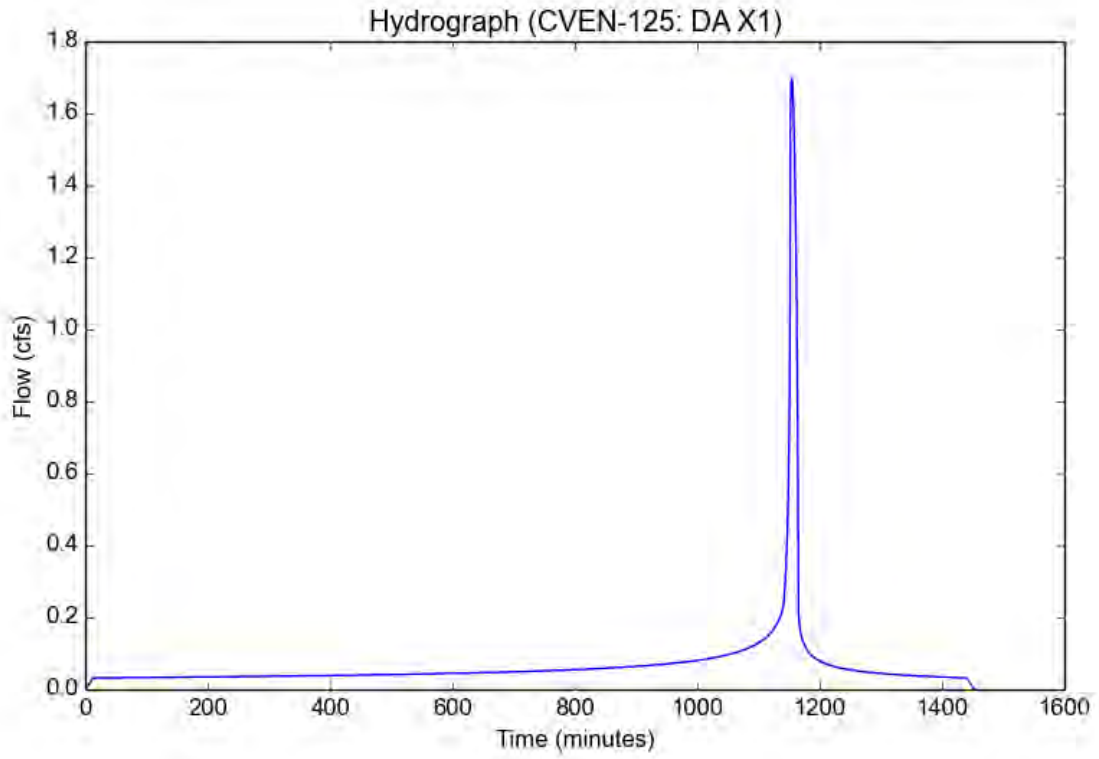
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20190812/DA X1_Q25.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA X1
Area (ac)	2.457
Flow Path Length (ft)	418.0
Flow Path Slope (vft/hft)	0.0086
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.01
Soil Type	3
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.3997
Peak Intensity (in/hr)	2.0561
Undeveloped Runoff Coefficient (Cu)	0.3303
Developed Runoff Coefficient (Cd)	0.336
Time of Concentration (min)	13.0
Clear Peak Flow Rate (cfs)	1.6973
Burned Peak Flow Rate (cfs)	1.6973
24-Hr Clear Runoff Volume (ac-ft)	0.1372
24-Hr Clear Runoff Volume (cu-ft)	5975.4147



Peak Flow Hydrologic Analysis

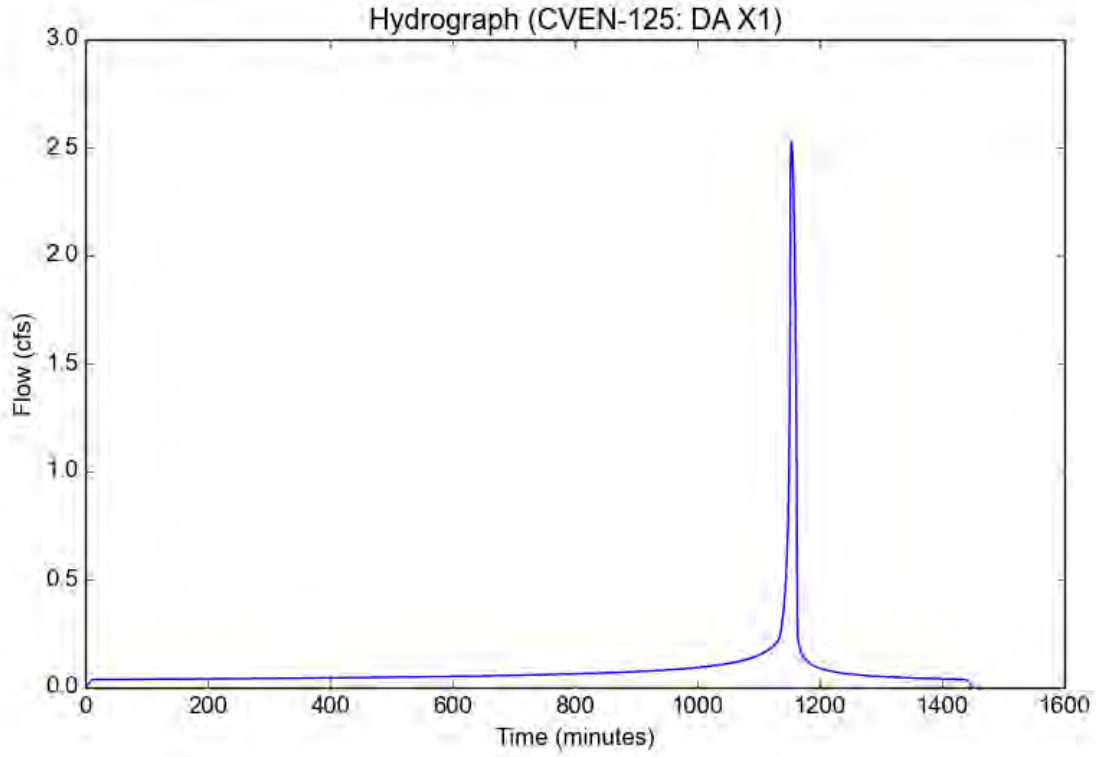
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20190812/DA X1_Q50.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA X1
Area (ac)	2.457
Flow Path Length (ft)	418.0
Flow Path Slope (vft/hft)	0.0086
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.01
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.15
Peak Intensity (in/hr)	2.533
Undeveloped Runoff Coefficient (Cu)	0.401
Developed Runoff Coefficient (Cd)	0.406
Time of Concentration (min)	11.0
Clear Peak Flow Rate (cfs)	2.527
Burned Peak Flow Rate (cfs)	2.527
24-Hr Clear Runoff Volume (ac-ft)	0.1631
24-Hr Clear Runoff Volume (cu-ft)	7102.5288



Peak Flow Hydrologic Analysis

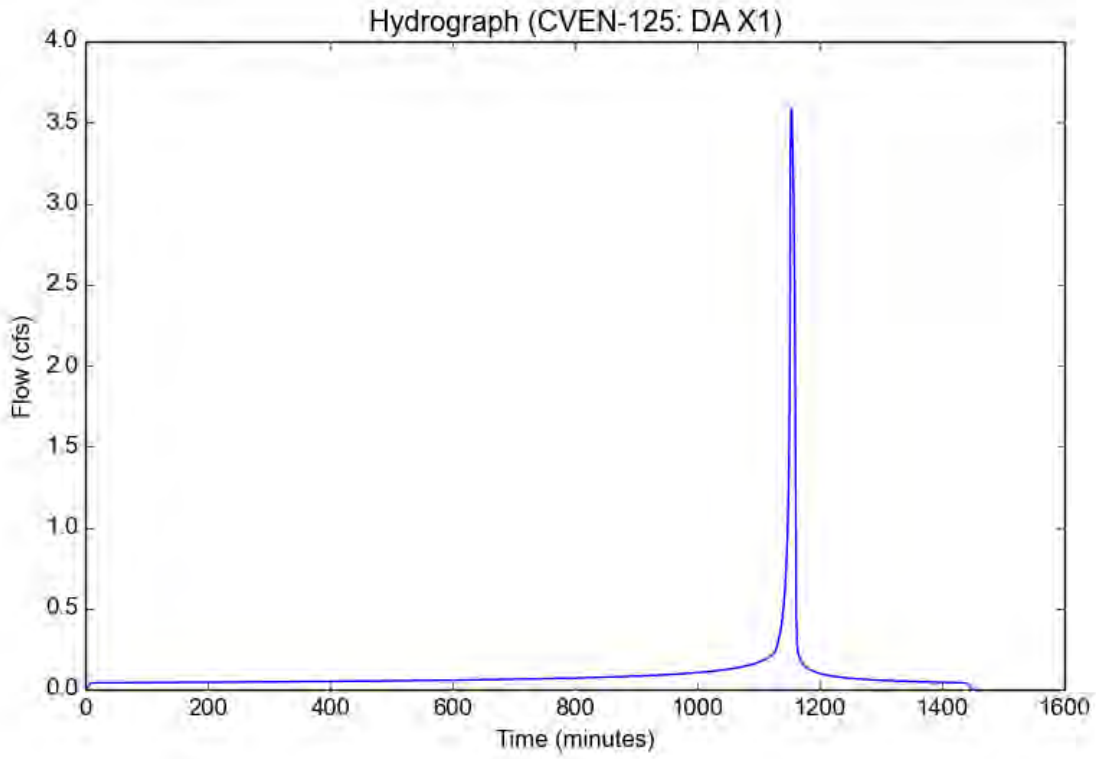
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20190812/DA X1_Q100.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA X1
Area (ac)	2.457
Flow Path Length (ft)	418.0
Flow Path Slope (vft/hft)	0.0086
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.01
Soil Type	3
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.9003
Peak Intensity (in/hr)	3.1232
Undeveloped Runoff Coefficient (Cu)	0.463
Developed Runoff Coefficient (Cd)	0.4674
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	3.5866
Burned Peak Flow Rate (cfs)	3.5866
24-Hr Clear Runoff Volume (ac-ft)	0.1901
24-Hr Clear Runoff Volume (cu-ft)	8281.9288



PROPOSED CONDITIONS CALCULATIONS

Peak Flow Hydrologic Analysis

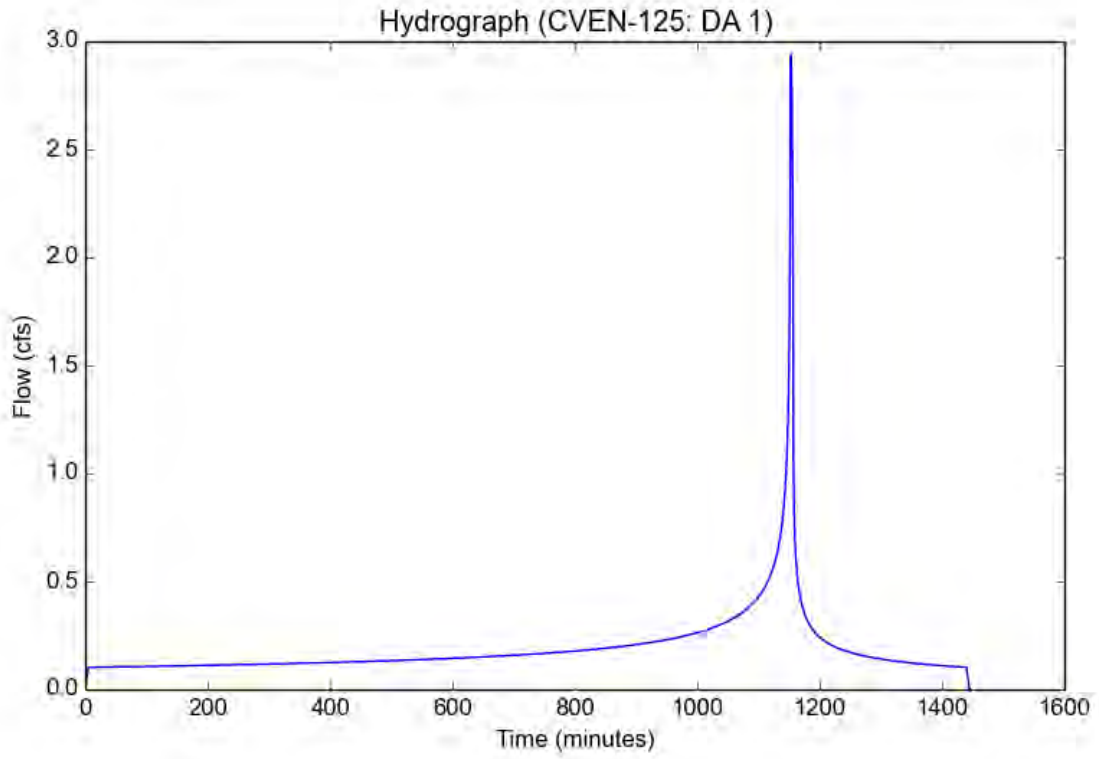
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 1, 25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.3997
Peak Intensity (in/hr)	3.2216
Undeveloped Runoff Coefficient (Cu)	0.4734
Developed Runoff Coefficient (Cd)	0.8403
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.9371
Burned Peak Flow Rate (cfs)	2.9371
24-Hr Clear Runoff Volume (ac-ft)	0.383
24-Hr Clear Runoff Volume (cu-ft)	16683.1509



Peak Flow Hydrologic Analysis

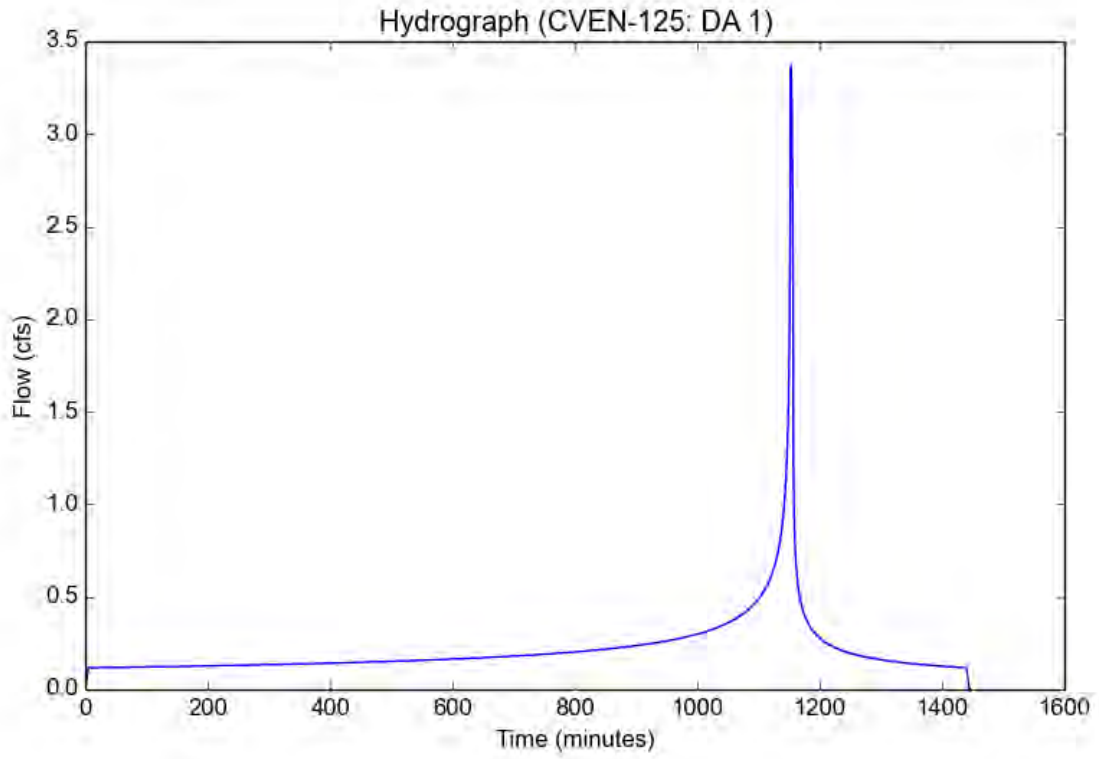
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 1, 50-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.15
Peak Intensity (in/hr)	3.6693
Undeveloped Runoff Coefficient (Cu)	0.515
Developed Runoff Coefficient (Cd)	0.8461
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.3684
Burned Peak Flow Rate (cfs)	3.3684
24-Hr Clear Runoff Volume (ac-ft)	0.4365
24-Hr Clear Runoff Volume (cu-ft)	19015.8376



Peak Flow Hydrologic Analysis

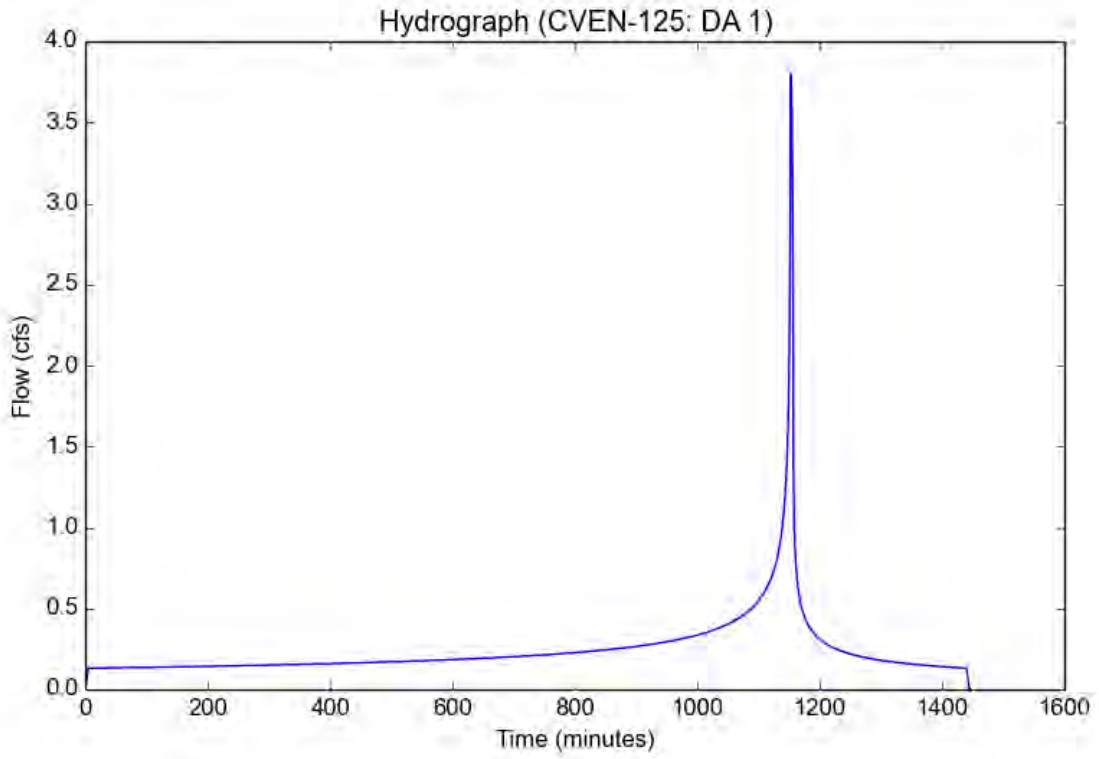
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 1, 100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 1
Area (ac)	1.085
Flow Path Length (ft)	258.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.9003
Peak Intensity (in/hr)	4.1169
Undeveloped Runoff Coefficient (Cu)	0.5477
Developed Runoff Coefficient (Cd)	0.8507
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.7998
Burned Peak Flow Rate (cfs)	3.7998
24-Hr Clear Runoff Volume (ac-ft)	0.4902
24-Hr Clear Runoff Volume (cu-ft)	21351.6355



Peak Flow Hydrologic Analysis

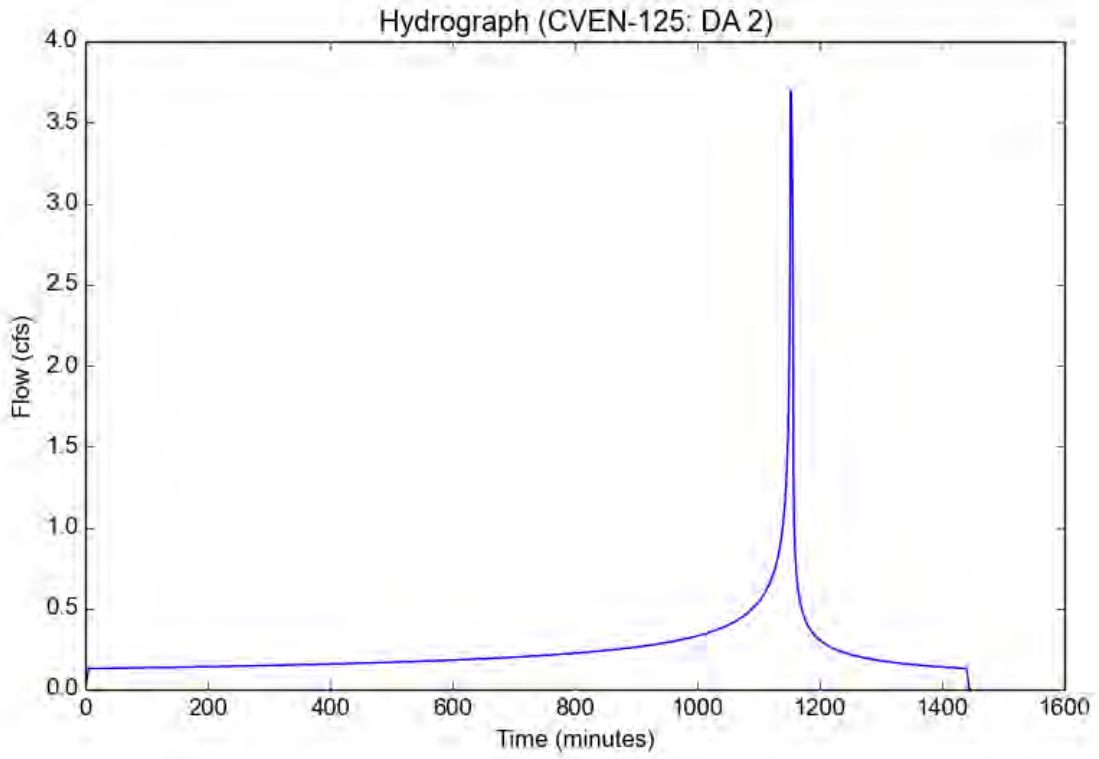
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 2, 25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.3997
Peak Intensity (in/hr)	3.2216
Undeveloped Runoff Coefficient (Cu)	0.4734
Developed Runoff Coefficient (Cd)	0.8403
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.6951
Burned Peak Flow Rate (cfs)	3.6951
24-Hr Clear Runoff Volume (ac-ft)	0.4818
24-Hr Clear Runoff Volume (cu-ft)	20988.4802



Peak Flow Hydrologic Analysis

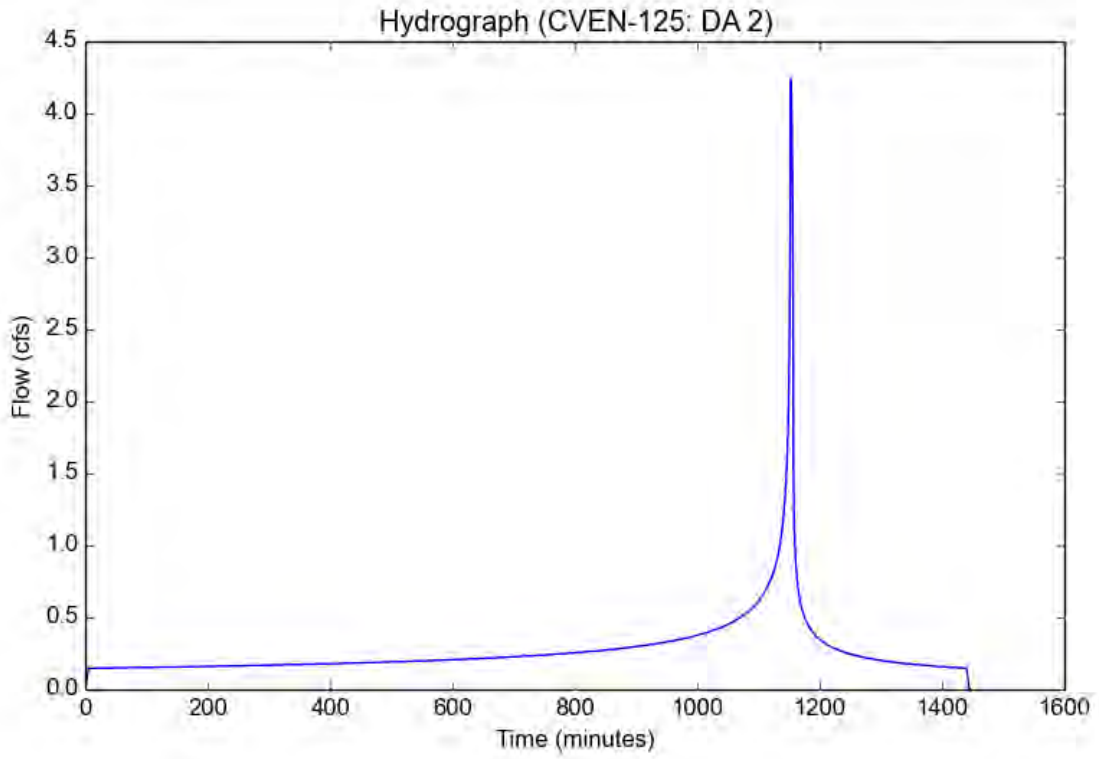
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 2, 50-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.15
Peak Intensity (in/hr)	3.6693
Undeveloped Runoff Coefficient (Cu)	0.515
Developed Runoff Coefficient (Cd)	0.8461
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	4.2377
Burned Peak Flow Rate (cfs)	4.2377
24-Hr Clear Runoff Volume (ac-ft)	0.5492
24-Hr Clear Runoff Volume (cu-ft)	23923.1505



Peak Flow Hydrologic Analysis

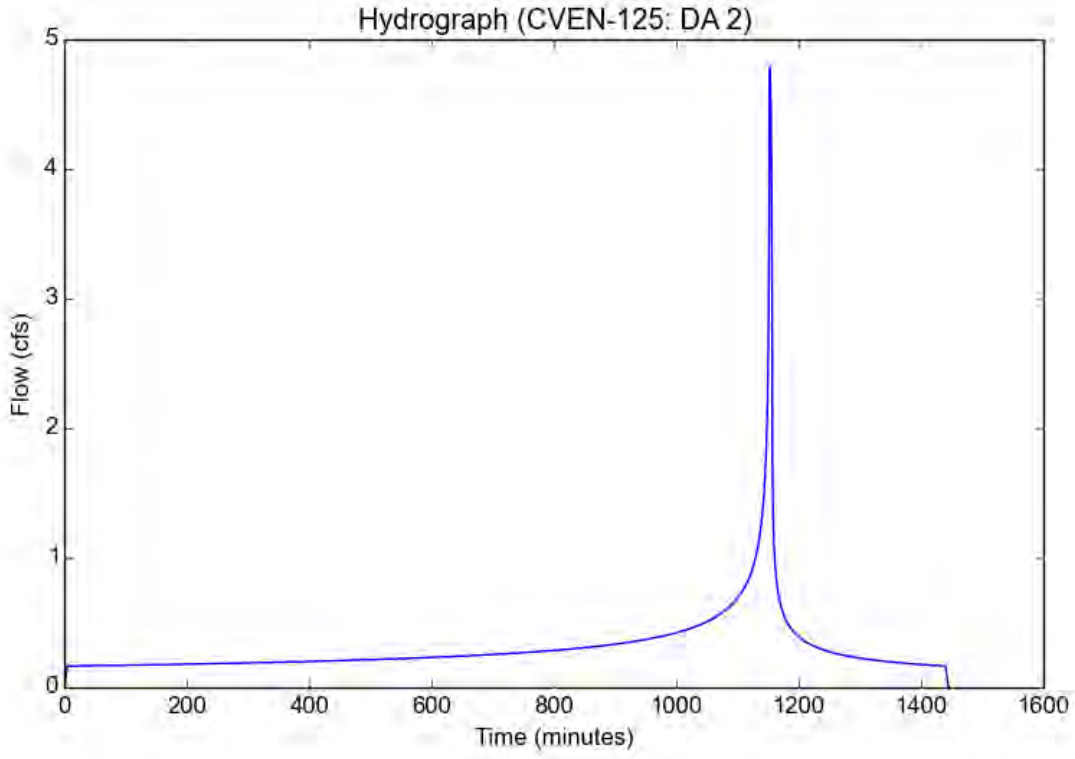
File location: P:/C/CVEN-125/Admin/Reports/Preliminary Hydrology/Appendix C - HydroCalc/20210330/CVEN-125 - DA 2, 100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	CVEN-125
Subarea ID	DA 2
Area (ac)	1.365
Flow Path Length (ft)	259.0
Flow Path Slope (vft/hft)	0.0097
50-yr Rainfall Depth (in)	6.15
Percent Impervious	0.86
Soil Type	3
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

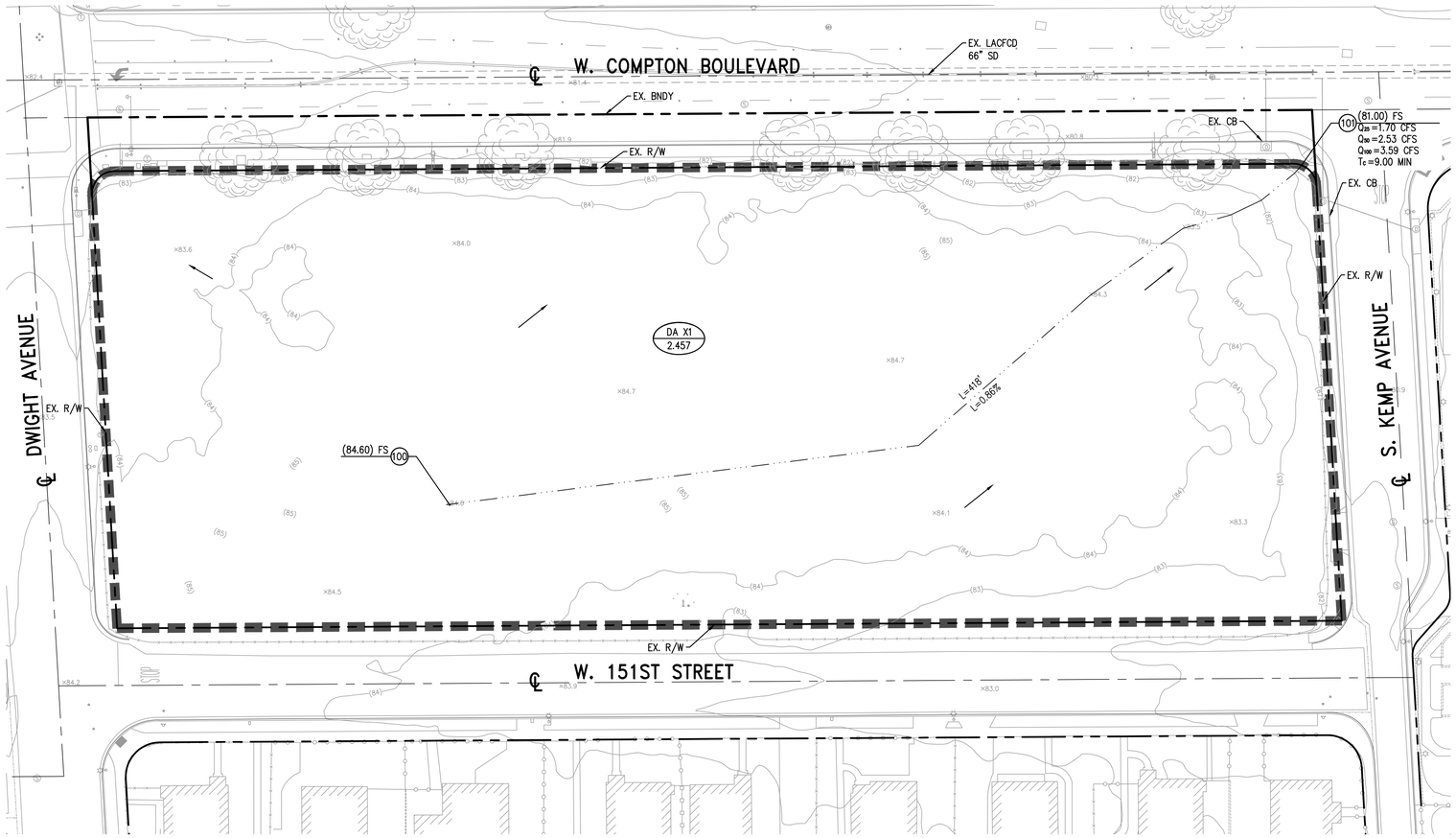
Modeled (100-yr) Rainfall Depth (in)	6.9003
Peak Intensity (in/hr)	4.1169
Undeveloped Runoff Coefficient (Cu)	0.5477
Developed Runoff Coefficient (Cd)	0.8507
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	4.7805
Burned Peak Flow Rate (cfs)	4.7805
24-Hr Clear Runoff Volume (ac-ft)	0.6167
24-Hr Clear Runoff Volume (cu-ft)	26861.735

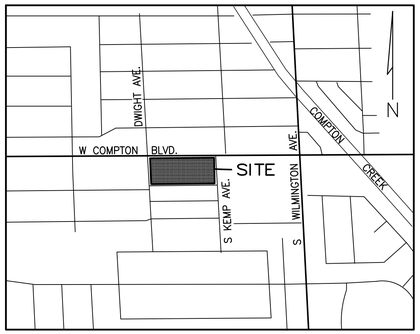


APPENDIX D

EXISTING CONDITIONS HYDROLOGY MAP

EXISTING CONDITION HYDROLOGY MAP
930 W. COMPTON BOULEVARD
CITY OF COMPTON, COUNTY OF LOS ANGELES





VICINITY MAP
NTS

LEGEND

- EXISTING RIGHT-OF-WAY/ BOUNDARY
- DRAINAGE FLOW ARROWS
- DRAINAGE AREA BOUNDARY
- X1 / X.XXX AC — DRAINAGE AREA NUMBER / DRAINAGE AREA IN ACRES
- 1 (00.00) Q100=X.XX CFS Tc=X.X MIN — SPOT ELEVATION / PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS) / TIME OF CONCENTRATION IN MINUTES (MIN)

SCALE: 1" = 30'

0 15 30 60

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING

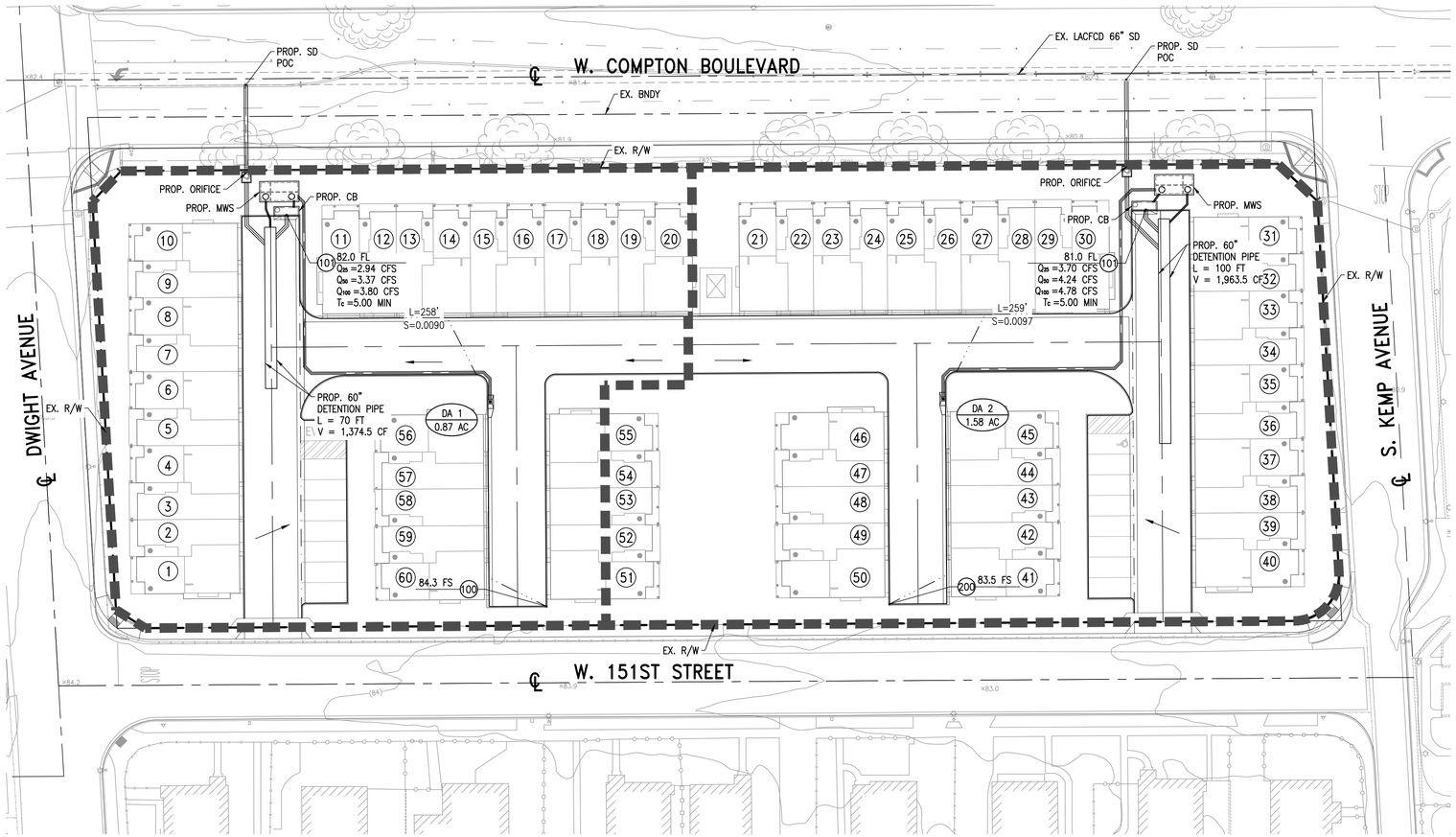
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

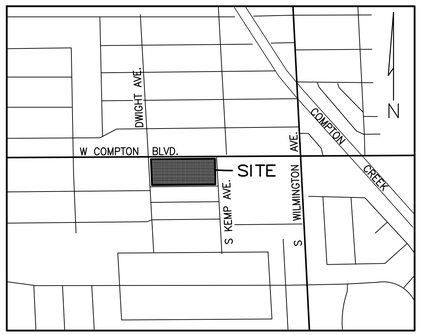
TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

APPENDIX E

PROPOSED CONDITIONS HYDROLOGY MAP

PROPOSED CONDITION HYDROLOGY MAP
930 W. COMPTON BOULEVARD
CITY OF COMPTON, COUNTY OF LOS ANGELES





VICINITY MAP
NTS

LEGEND

- EXISTING BOUNDARY
- PROPOSED RIGHT-OF-WAY/BOUNDARY
- PROPOSED STORM DRAIN
- DRAINAGE FLOW ARROWS
- DRAINAGE AREA BOUNDARY
- DA X / X.XXX — DRAINAGE AREA NUMBER / DRAINAGE AREA IN ACRES
- SPOT ELEVATION
- 1 00.00 / Q_{100}=X.XX CFS / T_c=X.X MIN — PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS) / TIME OF CONCENTRATION IN MINUTES (MIN)

SCALE: 1" = 30'

0 15 30 60

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INFO@CVC-INC.NET
WWW.CVC-INC.NET

TRACT NO. 82807
930 W. Compton Blvd.
Compton, CA

APPENDIX F

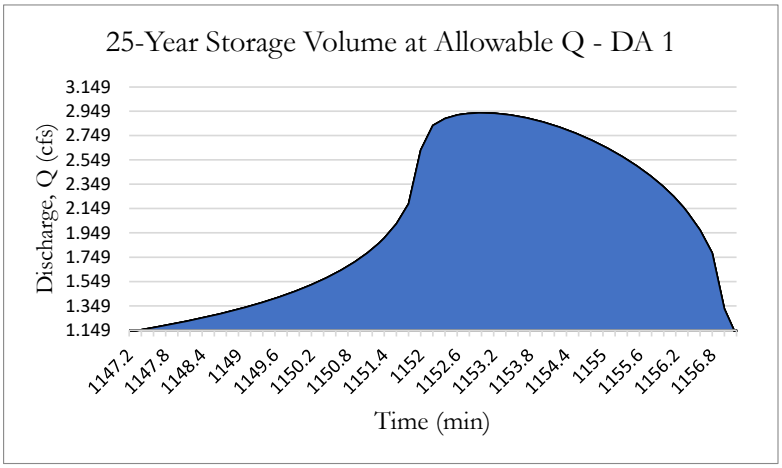
HYDRAULIC CALCULATIONS

APPENDIX G

DETENTION CALCULATIONS

DA 1 Allowable Q = (1.1 cfs/acre)(1.085 acres)
Allowable Q = 1.194 cfs
Orifice Q = 1.149 cfs
Q-25 Hydrograph - DA 1

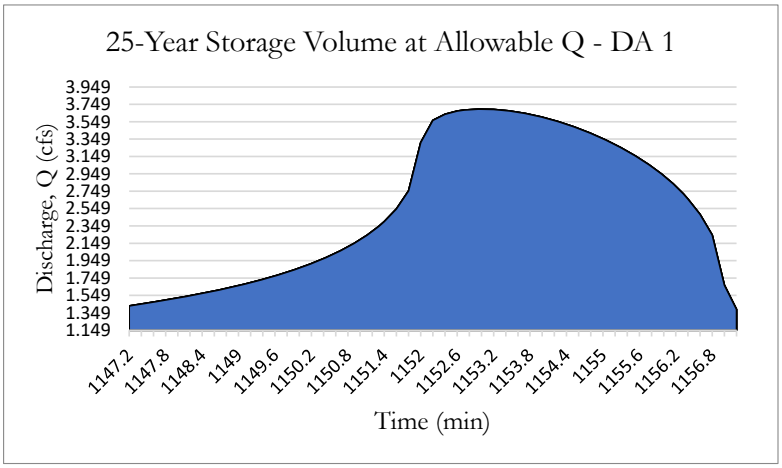
Time (min)	Q (cfs)	Area Under Curve
1147.2	1.13571056	0.228803724
1147.4	1.15232668	0.232207656
1147.6	1.16974988	0.235780088
1147.8	1.188051	0.239536127
1148	1.20731027	0.24349294
1148.2	1.22761912	0.247670144
1148.4	1.24908231	0.2520903
1148.6	1.27182068	0.256779531
1148.8	1.29597463	0.261768321
1149	1.32170858	0.267092551
1149.2	1.34921693	0.27279487
1149.4	1.37873177	0.278926538
1149.6	1.41053361	0.285549961
1149.8	1.444966	0.292742256
1150	1.48245656	0.300570885
1150.2	1.52325229	0.309133129
1150.4	1.568079	0.318612789
1150.6	1.61804889	0.329247891
1150.8	1.67443003	0.341348631
1151	1.73905629	0.355380713
1151.2	1.81475084	0.372102206
1151.4	1.90627121	0.392914857
1151.6	2.02287736	0.421119035
1151.8	2.18831299	0.481815679
1152	2.6298438	0.546287121
1152.2	2.83302741	0.572231801
1152.4	2.88929059	0.580784512
1152.6	2.91855452	0.585148703



1152.8	2.9329325	0.587005727
1153	2.93712476	0.587063586
1153.2	2.93351109	0.585697327
1153.4	2.92346218	0.583128361
1153.6	2.90782143	0.579494061
1153.8	2.88711918	0.57487988
1154	2.86167962	0.5693357
1154.2	2.83167739	0.562884499
1154.4	2.7971676	0.555526706
1154.6	2.75809947	0.547241769
1154.8	2.71431822	0.53798746
1155	2.66555638	0.527696926
1155.2	2.61141288	0.516272851
1155.4	2.55131563	0.503577329
1155.6	2.48445766	0.489414457
1155.8	2.40968691	0.47349931
1156	2.32530619	0.455357898
1156.2	2.22827279	0.434121881
1156.4	2.11294602	0.408500958
1156.6	1.97206357	0.375540707
1156.8	1.7833435	0.310819513
1157	1.32485163	0.242767733
1157.2	1.10282571	0.220565142
		20.73031274
	Volume	1243.8

DA 2 Allowable Q = (1.1 cfs/acre)(1.365 acres)
Allowable Q = 1.501 cfs
Orifice Q = 1.435 cfs
Q-25 Hydrograph - DA 1

Time (min)	Q (cfs)	Area Under Curve
1147.2	1.42879715	0.287849846
1147.4	1.44970131	0.292132213
1147.6	1.47162082	0.296626563
1147.8	1.49464481	0.301351902
1148	1.51887421	0.306329827
1148.2	1.54442406	0.311585019
1148.4	1.57142614	0.317145861
1148.6	1.60003247	0.323045216
1148.8	1.63041969	0.329321436
1149	1.66279467	0.336019661
1149.2	1.69740194	0.343193546
1149.4	1.73453352	0.35090758
1149.6	1.77454228	0.359240273
1149.8	1.81786045	0.368288644
1150	1.86502599	0.378137564
1150.2	1.91634966	0.388909421
1150.4	1.97274455	0.400835444
1150.6	2.03560989	0.414215089
1150.8	2.106541	0.429438601
1151	2.18784501	0.447091865
1151.2	2.28307364	0.468128581
1151.4	2.39821217	0.49431224
1151.6	2.54491023	0.529794915
1151.8	2.75303893	0.606155209
1152	3.30851317	0.687264443
1152.2	3.56413126	0.719904524
1152.4	3.63491397	0.730664386
1152.6	3.67172989	0.73615482



1152.8	3.68981831	0.738491076
1153	3.69509245	0.738563866
1153.2	3.69054621	0.736845025
1153.4	3.67790403	0.733613099
1153.6	3.65822696	0.729040915
1153.8	3.6321822	0.723235978
1154	3.60017758	0.716261042
1154.2	3.56243284	0.708145014
1154.4	3.5190173	0.698888437
1154.6	3.46986707	0.688465451
1154.8	3.41478744	0.676822934
1155	3.3534419	0.663876777
1155.2	3.28532588	0.649504554
1155.4	3.20971966	0.633532768
1155.6	3.12560802	0.615714962
1155.8	3.0315416	0.595692681
1156	2.92538521	0.572869614
1156.2	2.80331093	0.546153334
1156.4	2.65822241	0.51392056
1156.6	2.4809832	0.472454438
1156.8	2.24356118	0.391031
1157	1.66674882	0.305417471
1157.2	1.38742589	0.277485178
		26.08007086
	Volume	1564.8

APPENDIX H

LACDPW ALLOWABLE Q

Office Use Only
☐ Sent Initials: _____
☐ Fax ☐ Email ☐ Other: _____
Date: _____ Time: _____

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION – HYDRAULIC ANALYSIS UNIT

INFORMATION REQUEST SUMMARY

INFORMATION REQUESTED BY

*Requester's Name: Daniel Ramirez
Company: C&V Consulting, Inc.
*Phone Number: 949-916-3800 Fax Number: 949-916-3805
*Email: dramirez@cvc-inc.net

Method of Contact: ☐ Walk-in ☐ Phone ☐ Fax ☒ Email ☐ Prelim. Mtg. Date: 6/05/2019

Intended Use: Due Diligence

Proposed Project Type: Residential Acreage Involved: 2.74

*Will information be used in any litigation? ☐ YES ☒ NO
Case Info. Name: _____ No: _____ Location: _____

INFORMATION REQUESTED (Attach Assessor Map)

LACFCD Facility: Name: West Compton Storm Drain Project No. 422
Unit: _____ Line: H Station: 11+00 -18+00
City: Compton
*Street/Cross-street: Compton Blvd/ Dwight Ave
*Thomas Guide: Page: 734 Grid: G4 ☐ Site Map/Plans Submitted
Info. Requested: To determine if site is tributary to 422 facility, if so, please provide Allowable Q and any available hydraulic data.

***Required Information. See Page 2 of 2 for Instructions.**

BELOW SECTION TO BE COMPLETED BY THE HYDRAULIC ANALYSIS UNIT

INFORMATION PROVIDED:
Hydrology Data, Drainage Map, As Built Drawing, and As Built Hydraulic Calculation Data Sheet

REFERENCES SEARCHED:
Project No. 422 Files.

COMMENTS, ETC:
1- Sub Area No. 6 Allowable Q=11.8/10.7=1.10cfs/acre.

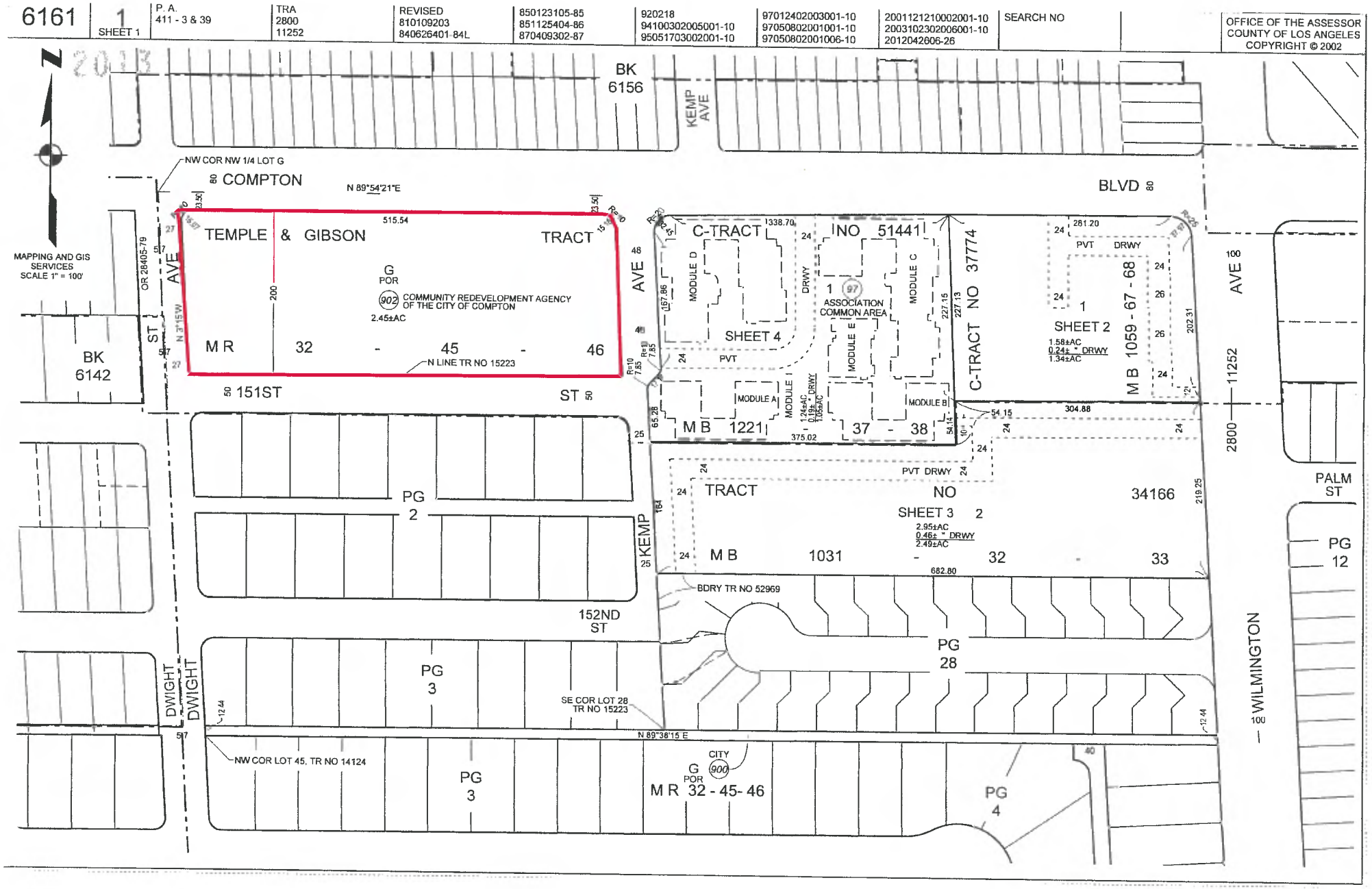
2- See attached Hydraulic Calculation Sheet to obtain Water Surface Elevation.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS DESIGN DIVISION Hydraulic Analysis Unit OFFICIAL RECORD DOCUMENT Issued By: GKA Date: 6/19/2019 Public Service That Works

INFORMATION PROVIDED BY: George K Aintablian Date: 06/19/2019

INFORMATION REVIEWED BY: Date:

Print Save a Copy


6161
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SHEET 1
P. A.
411 - 3 & 39
TRA
2800
11252
REVISED
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SEARCH NO
OFFICE OF THE ASSESSOR
COUNTY OF LOS ANGELES
COPYRIGHT © 2002
MAPPING AND GIS SERVICES
SCALE 1" = 100'
BK 6156
KEMP AVE
NW COR NW 1/4 LOT G
80 COMPTON BLVD 80
N 89°54'21"E
515.54
TEMPLE & GIBSON TRACT
G POR
(902) COMMUNITY REDEVELOPMENT AGENCY OF THE CITY OF COMPTON
2.45±AC
M R 32 - 45 - 46
N LINE TR NO 15223
200
OR 28405-79
AVE
ST
BK 6142
50 151ST ST 50
PG 2
KEMP AVE
152ND ST
DWIGHT AVE
PG 3
SE COR LOT 28 TR NO 15223
N 89°38'15 E
NW COR LOT 45, TR NO 14124
CITY (900)
G POR
M R 32 - 45 - 46
PG 3
PG 4
C-TRACT 1338.70
INO 51441
MODULE D
MODULE C
MODULE E
MODULE A
MODULE I
MODULE B
DRWY
ASSOCIATION COMMON AREA (97)
SHEET 4
PVT
M B 1221
37 - 38
375.02
C-TRACT NO 37774
281.20
PVT DRWY
SHEET 2
1.58±AC
0.24± * DRWY
1.34±AC
M B 1059 - 67 - 68
304.88
2800 11252 AVE
PALM ST
TRACT NO 34166
SHEET 3 2
2.95±AC
0.46± * DRWY
2.49±AC
M B 1031 - 32 - 33
682.80
BDRY TR NO 52969
PG 28
PG 12
WILMINGTON
219.25
202.31

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Sht 1 of 1

Hydraulic Calculation Sheet

PROJECT # 422-LINE "A"

CALCULATED BY HLH

DATE 9-30-64

STA.	ELEV. INV.	D	ELEV. W.S.	SECTION	A	W.P. / k	R / V	Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
0+00	57.66	5.5'	68.69	80'x 7'w x 5'h	37.96	600 8	10.47	397.5	1.70	70.39	.00436							
BC 1+25.8			69.24	"	"	"		"		70.24	"	.00436	125.8	.55				
EC 1+54.8			69.59	"	"	"		"		71.29	"	"	29	.13	.22			
4+51.5			71.09	"	"	"	"	"	"	72.22	"	"	296.7	1.30	.20			
"			72.63	"	"	"	5.99	237.0	.55	73.18	.00395							
4+86.15			72.77	"	"	"	"	"	"	73.32	"	.00395	34.7	.14				
4+94.15			72.31	80' 7'w x 4'h	27.46	3820	8.63	"	1.16	73.47	.00385	.00390	8	.03			.12	
5+65.60	"		72.79	"	"	"	"	"	"	73.95	"	.00385	71.4	.28	.20			
8+94.15			74.06	"	"	"	"	"	"	75.22	"	"	328.60	1.27				
9+92.00			74.44	"	"	"	"	"	"	75.60	"	"	98	.38				
10+00			74.16	66"ϕ	23.76	3364	9.98	"	1.55	75.71	.00496	.00440	8	.03			.08	
13+00			75.65	"	"	"	"	"	"	77.20	"	.00496	300	1.49			.15	
"			75.95	"	"	"	9.48	225.2	1.40	77.35	.00447	.00447	498.40	2.23				
17+98.50			78.23	"	"	"	"	"	"	79.58	"							
" "			78.32	45"ϕ	11.04	1209	9.54	105.4	1.41	79.73	.00162							

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis
OFFICIAL RECORD
Issued By:
Date:
Plot

PROJECT 422-H

FREQUENCY 10

ISOHYETAL ZONE K

W

HYDROLO

Drainage Area Soil Dev.	A Acres	C	CA	I in/hrs.	ΔQ cfs	ΣQ cfs	S Slope	$S^{\frac{1}{2}}$	K	Section	V fp
										L =	196
M-Res.											
1	25.4	.76	19.3	1.83	35.3	35.3	.00281	.053	666	36	5.
2	8.8	.76	6.7	1.78	11.9	47.2	.00152	.039	1209	45	4.
3	10.8	.75	8.1	1.74	14.1	61.3	.00257	.0507	1209	45	5.
4, 4a	15.0	.746	11.2	1.70	19.0	80.3	.00442	.0665	1209	45	7.3
						80.3	.00637	.0798	1006	42	8.
5a	21.6	.73	15.8	1.59	25.1	105.4				Dwight A	
	84.6								L = 2275' Flat		
Re-Res											
1-b	37.0	.795	29.4	1.74	51.1	51.1	.00588	.0767	666	36	7.2
2-b	9.6	.78	7.5	1.68	12.6	63.7	.00596	.0772	825	39	7.
3-b	4.5	.78	3.5	1.66	5.8	69.5	.00477	.0691	1006	42	7.
4-b	23.5	.78	18.3	1.63	29.8	99.3	.00255	.0505	1966	54	6.
6-b	17.1	.76	13.0	1.58	20.5	119.8	.00371	.0609	1966	54	7.
7-b	2.0								Compton Blvd (Main line)		
M-Res	37		Q = 105.4 + 119.8 =			225.2	.00448	.0669	3365	66	9.
6	10.7	.72	7.7	1.53	11.8	237.0	.00496	.0704	3365	66	10.
						237.0	.00375	.0620	3823	7'0"x4'0"	8.
7, 7a, 8	172.2			1.49							
				Wilmington Ave Lateral					L = 4560'		
M-Res.											
7	86.8	.71	61.6	1.46	89.9	89.9	.00392	.0626	1436	48	7.2
7a	70.0	.71	49.7	1.46	71.6	16.15	.00384	.0620	2603	60	8.2
8	15.4	.70	10.8	1.39	15.0	176.5					
											C
	Adjust Q		$\frac{1.39}{1.49}$ (237) = 221 + 176.5 = 397.5 cfs								
1-5a						397.5	.00442	.0665	5962	7'0"x5'6"	10.

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
OFFICIAL RECORD DOCUMENT
By
6-19-2019

WILSEY & HAM

HYDROLOGY CALCULATION SHEET

K	Section	v fps	At min	Et min	L feet	Elev. HGL Sect. Out	Elev. HGL Sect. In	Head Loss hf	Vel Loss or Recovry hv, hr	Junc. & Curve Loss hc, hj	Ground Line Elev.	
	L = 1960' Flat Slope				V = 4'/sec	$\frac{1960}{60\times4}$ =		8.2 Min	tc = 18.2 Min			
	Compton Blvd (Main line)											
6	36"	5.0	.8	18.2	250	88.00		-.70			91.00	
9	45"	4.3	1.0	19.0	250	87.37	87.30	-.38	h_v=+.07	h_c=-.04	90.50	
9	45"	5.5	.9	20.0	300	86.80	86.99	-.77	h_v=-.19		90.50	
9	45"	7.3	2.1	20.9	900	85.42	86.03	-3.98	h_v=-.36	h_c=-.25	90.00	
6	42"	8.3	.8	23.0	400	80.80	81.44	-2.55	h_v=-.24	h_c=-.40		
	Dwight Ave Lateral			23.8			78.25				81.30	
= 2275'	Flat Slope	V = 4'/sec			$\frac{2275}{4\times60}$	= 9.9 Min	tc =	19.9	Min			
6	36"	7.2	1.6	19.9	700	88.00		-4.11			91.00	
5	39"	7.7	.5	21.5	240	83.51	83.89	-1.43	h_v=-.12	h_c=.26	86.50	
6	42"	7.2	.6	22.1	240	82.17	82.08	-1.14	h_v=+.09		86.00	
6	54"	6.2	1.6	22.7	610	81.02	81.03	-7.56	h_v=+.16	h_c=-.17	85.50	
6	54"	7.5	.5	24.3	240	79.01	79.46	-1.89	h_v=-.27	h_c=-.18	83.00	
Hyd (Main line) cont.				24.8			78.12					
5	66"	9.5	1.2	24.8	657.7	77.19	78.12	-3.0	h_v=-.53	h_j=-.40	81.30	
5	66	10.0	.4	26.0	150	74.04	74.19	-.75	h_v=-.15		77.10	
3	7'0"x4'0"	8.5	1.0	26.4	505	73.59	73.29	-1.90	h_v=+.30		77.90	
				27.4			71.69				73.50	
L = 4560'		$\frac{1560}{4\times60}$ =	19 Min.		tc = 29.0	Min.						
6	48"	7.2	1.3	29.0	540	78.70		-2.12			82.00	
3	60"	8.2	2.3	30.3	1150	76.34	76.58	-4.42	h_v=-.24	h_c=-.22	79.50	
				32.6			71.70				73.50	
	Compton Blvd (Main line) cont'd											
2	7'0"x5'6"	10.3	.8	32.6	494	71.21	71.69	-2.20	h_v=-.48	h_j=-.32	73.50	
				33.4			68.69					

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
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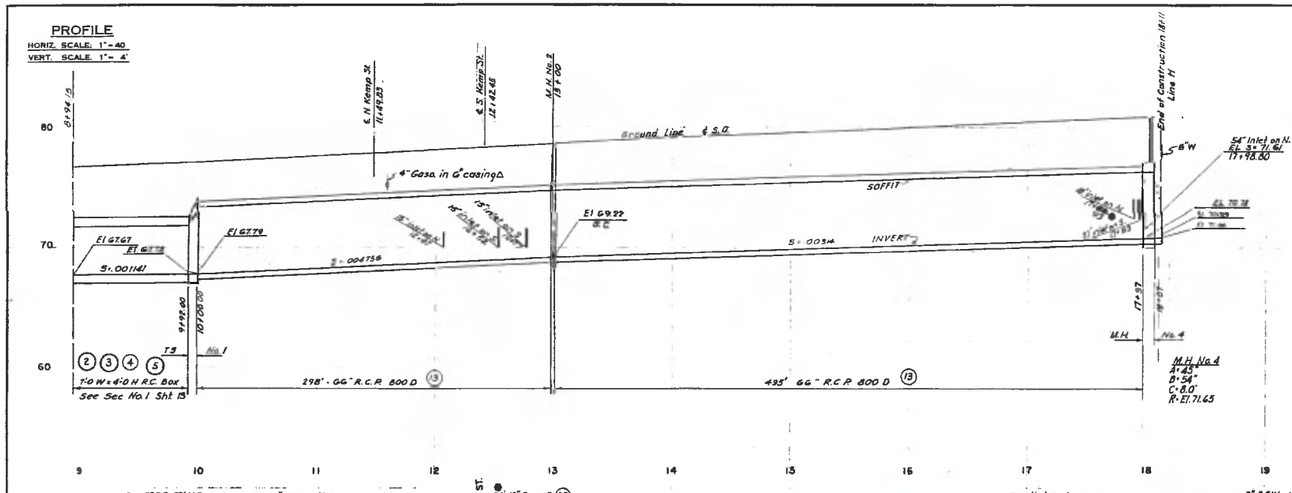
Sheet 1 of 2
Calculated by G.W. Potter
Checked by S.I.H.
Date July 9, 1959

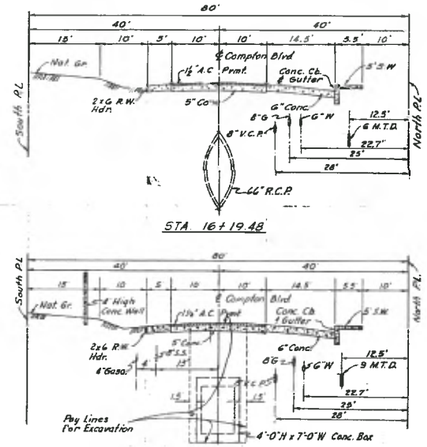
n	Head Loss hf	Vel Loss or Recovry hv, hr	Junc. & Curve Loss hc, hj	Ground Line Elev.				Streets & Limits	Station
	8.2 Min	tc = 18.2 Min							
								In Compton Ave	
	-.70			91.00				153rd St.	
	-.38	hr = +.07		90.50				152nd St.	
	-.77	hv = -.19		90.50				151st St.	
	-3.98	hv = -.36	hc = -.25	90.00				Compton Blvd.	
	-2.55	hv = -.24	hc = -.40						
				81.30				Dwight Ave	18+07.00
	19.9 Min								
	-4.11			91.00				Palmer & Tojouto	
	-1.43	hv = -.12	hc = .26	86.50				Palmer & Maie	
	-1.14	hr = +.09		86.00				Maie & School	
	-7.56	hr = +.16	hc = -.17	85.50				Maie & Magnolia	
	-1.89	hv = -.27	hc = -.18	83.00				Magnolia & Dwight	
	-3.0	hv = -.53	hj = -.40	81.30				Dwight & Compton	18+07.00
	-.75	hv = -.15		77.10				& Kemp St	~~10+00.00~~
	-1.90	hr = +.30		77.90				~~Kemp St.~~	~~11+49.20~~
				73.50				Wilmington Ave	4+94.15
								In Wilmington	
	-2.12			82.00				156th St.	
	-4.42	hv = -.24	hc = -.22	79.50				Laurel St.	
				73.50				Wilmington & Compton	4+94.15
	-2.20	hv = -.48	hj = -.32	73.50				Wilmington & Compton	4+94.15
								Compton Creek	0+00.00
								W.S. K50	60.63

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
UNOFFICIAL RECORD DOCUMENT
Issued By: GKA
Date: 6/17/2019
Service Through Engineering

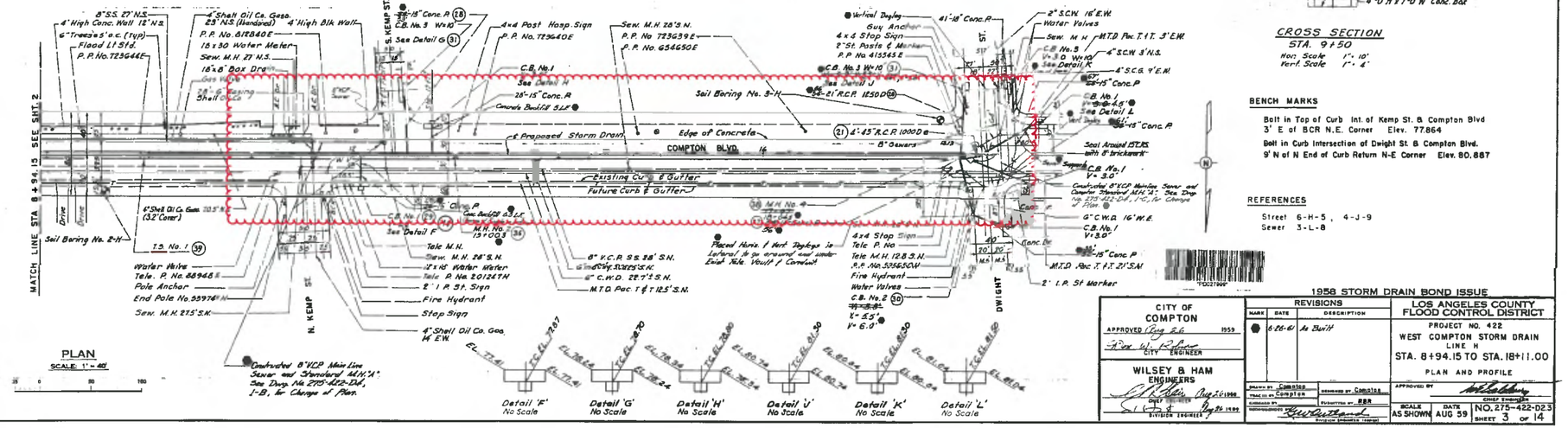
PROFILE

HORIZ. SCALE: 1"= 40
VERT. SCALE: 1"= 4





CROSS SECTION
STA. 9+50
Hori. Scale 1"= 10'
Vert. Scale 1"= 4'



PLAN
SCALE: 1"= 40'

BENCH MARKS

Bolt in Top of Curb Int. of Kemp St. & Compton Blvd 3' E of BCR N.E. Corner Elev. 77.864

Bolt in Curb Intersection of Dwight St. & Compton Blvd. 9' N of N End of Curb Return N-E Corner Elev. 80.887

REFERENCES

Street 6-H-5, 4-J-9
Sewer 3-L-8

CITY OF COMPTON
APPROVED Aug 2-6 1959
CITY ENGINEER

WILSEY & HAM ENGINEERS
CHIEF ENGINEER Aug 26 1959
DIVISION ENGINEER

REVISIONS		
MARK	DATE	DESCRIPTION
●	6-26-61	As Built

1958 STORM DRAIN BOND ISSUE

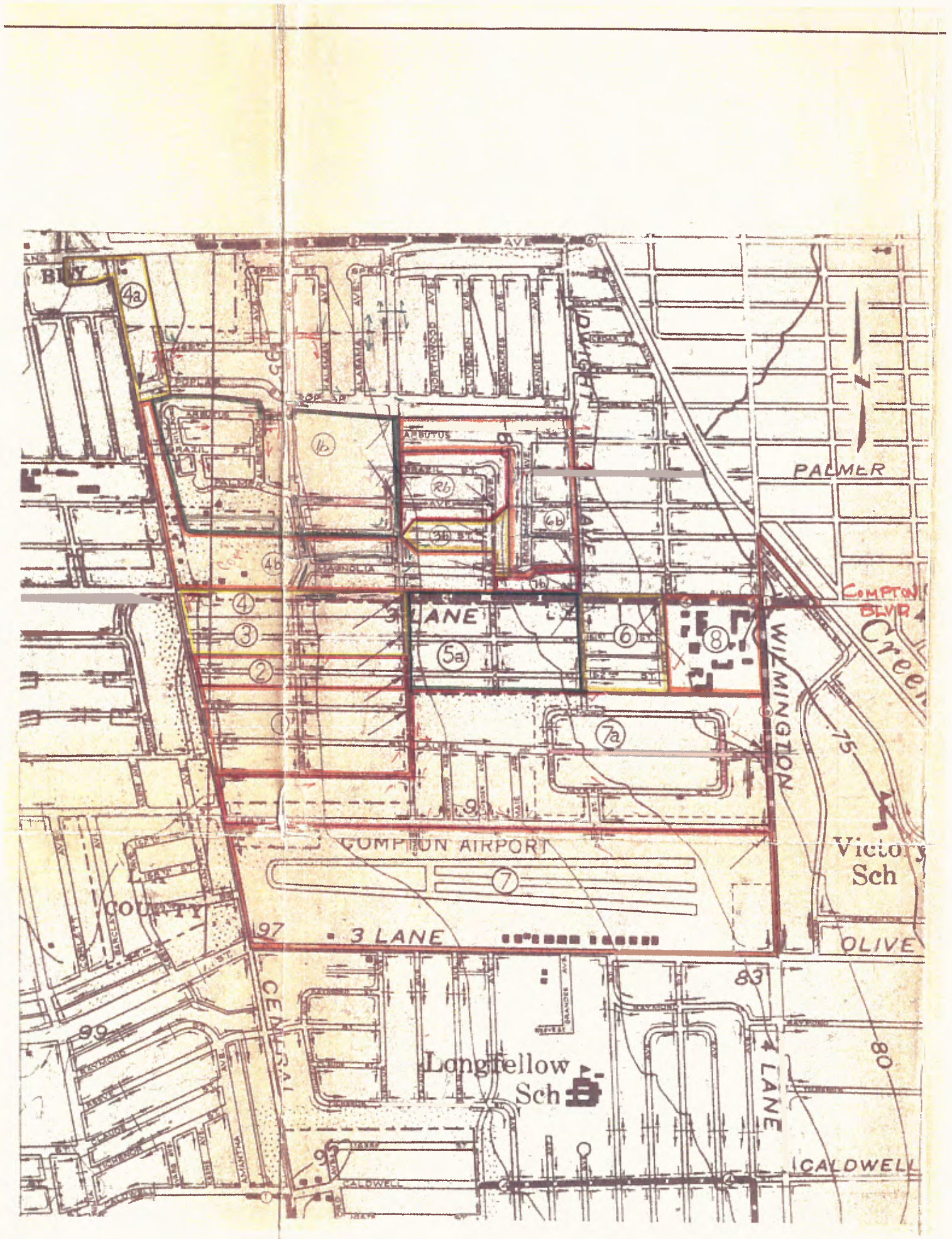
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PROJECT NO. 422
WEST COMPTON STORM DRAIN LINE H
STA. 8+94.15 TO STA. 18+11.00
PLAN AND PROFILE

DRAWN BY Compton
TRACED BY Compton
DESIGNED BY Compton
CHECKED BY
QUANTITIES BY
SUBMITTED BY RBR
DIVISION ENGINEER (Name)

APPROVED BY
CHIEF ENGINEER

SCALE AS SHOWN
DATE AUG 59
NO. 275-422-D2.3
SHEET 3 OF 14



LINE "H"

CC
DEPARTMENT
Issued By
Date
Public Works

EXISTI
DRAIN
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FUTUR
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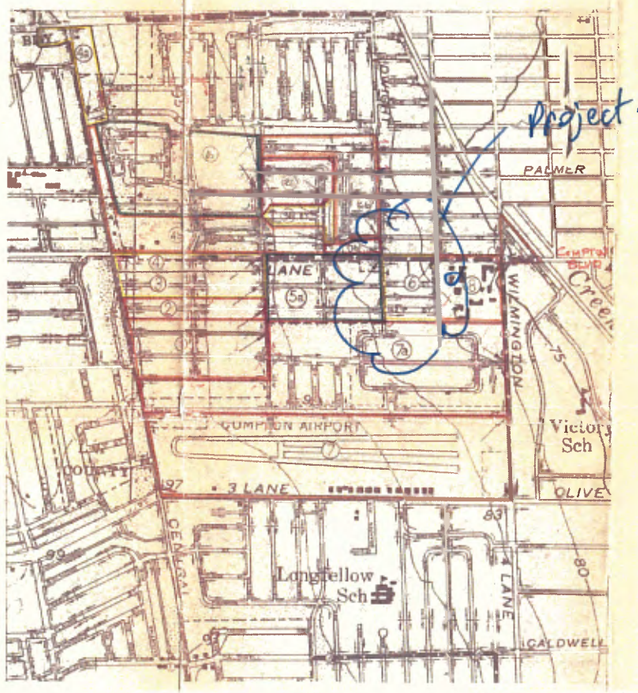
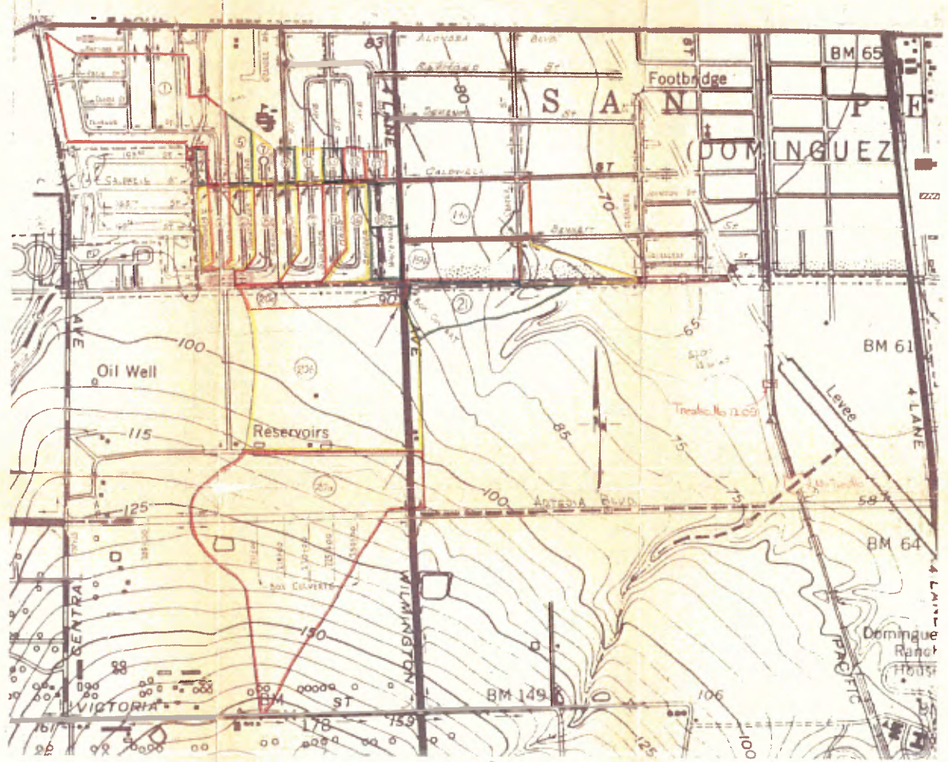
L.
FUTUR
DF



LINE "H"



LINE "J"

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
OFFICIAL RECORD DOCUMENT
Issued By: OKA
Date: 6/12/2017
Public Service That Works

LEGEND

EXISTING DRAINS	—①—
DRAINS to be CONSTRUCTED UNDER 1958 BOND ISSUE	—②—
FUTURE EXTENSIONS of DRAINAGE SYSTEMS BY L.A. COUNTY	—⑤—
FUTURE EXTENSIONS of DRAINAGE SYSTEMS	—⑥—

SCALE
1" = 600'

1958 STORM DRAIN BOND ISSUE

WILSEY and HAM CIVIL ENGINEERS Los Angeles, California	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WEST COMPTON PROJECT NO. 422 DRAINAGE AREA MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT

930 Compton Boulevard,
Compton, California 90220
Stantec Project No: 185804169

Prepared for:
City Ventures Homebuilding, LLC
3121 Michelson Drive, Suite 150
Irvine, California 92612

Prepared by:
Stantec Consulting Services Inc.
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

May 8, 2019

Sign-off Sheet

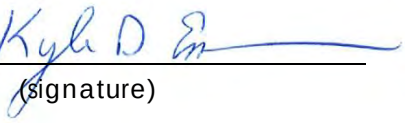
This PHASE II ENVIRONMENTAL SITE ASSESSMENT was prepared by Stantec Consulting Services Inc. for City Ventures Home Building, LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Author _____
(signature)

Deborah Hernandez
Geologic Staff

Quality Reviewer _____
(signature)

Alicia Jansen
Associate Scientist

Independent Reviewer  _____
(signature)

Kyle Emerson, CEG
Managing Principal Geologist

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Executive Summary

The subject property consists of approximately 2.45 acres of vacant land located at 930 Compton Boulevard in Compton, California (the "Property" or the "Site"). The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. Stantec previously completed a Phase I Environmental Site Assessment (ESA) report for the Property, dated April 27, 2018.

The Phase I Environmental Site Assessment had identified the following recognized environmental conditions (RECs) in connection with the Property:

- Historical Agricultural Use. Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

To address these recommendations, Stantec performed a Phase II ESA (*i.e.*, subsurface investigation) on April 24, 2019. The Phase II ESA involved the advancement of six (6) shallow soil borings throughout the Property to a depth of 3.0 feet below ground surface (bgs) and collection of soil samples a depth of 1.0 and 3.0 feet bgs. Soil boring locations are notated in Figure 2. The 1.0 feet bgs soil samples from each boring were analyzed for Organochlorine Pesticides (OCP) by EPA test method 8081 and arsenic and lead by EPA test method 6010B. Stantec concludes that this scope of work was sufficient for evaluating the historical agricultural use of the Property.

The results of the analysis of the soil samples reported 4,4'-DDE in sample HA-2-1 at 0.0022 milligrams per kilogram (mg/kg). Additionally, sample HA-6-1 showed concentrations of 4,4'-DDE and 4,4'-DDT reported at 0.0046 and 0.0036, respectively. None of the detections of organochlorine pesticides were above their respective United States Regional Screening Levels (US EPA RSLs) for residential sites. Therefore, the detected levels of organochlorine pesticides do not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Arsenic was reported above US EPA RSLs for residential sites in five of the six soil samples at concentrations ranging from 1.3 to 4.1 milligrams per kilogram (mg/kg). However, arsenic typically occurs naturally throughout soil in the State of California at levels significantly exceeding the RSL (*i.e.,* the naturally-occurring levels typically range from 0.6 to 12.0 mg/kg). Therefore, reported arsenic concentrations are well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of six samples collected at concentrations ranging from 4.2 to 19 mg/kg, which are well below the residential soil screening level of 80 mg/kg.

Therefore, the metals associated with herbicide application do not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Certified analytical reports with chain of custody documentation are provided in Appendix A.

Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk, in light of the contemplated residential use of the Property, and recommends no further investigation regarding this issue.

1.0 INTRODUCTION

This report documents the methodology and results of a Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) for the real property that approximately 2.4 acres in size and previously developed as a convalescent hospital, located at 930 Compton Boulevard, Compton California (the "Property"). A property location map is illustrated on Figure 1. A property details map illustrating the main features of the Property is provided as Figure 2.

The completed work was conducted in accordance with the Master Services Agreement between Stantec and City Ventures (the "Client"). The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the property description and a summary of past operations. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

1.1 PROPERTY DESCRIPTION AND OPERATIONS

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

1.2 PROPERTY GEOLOGY AND HYDROGEOLOGY

The Property is located in Los Angeles County. The area is located within the Peninsular Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey ["CGS"], 2002). The vicinity consists of recent-age alluvium (CDMG, 1962). Soil at a facility 1,500 feet to the west is reportedly sand (Geotracker, 2015).

According to data presented in Adanta Inc.'s *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.

The Property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.04). The basin is located within the southeastern portion of Los Angeles County. The basin is constrained by the La Brea high to the north, bedrock core complexes to the northeast and east, a drainage province boundary to the southeast, and the Newport-Inglewood Fault to the southwest. Two forebays and one pressure area are present in the basin and water-bearing units consist of sand, gravel and clay up to 2,200 feet in thickness (Department of Water Resources [DWR], 2004).

According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.

2.0 BACKGROUND INFORMATION

Stantec completed a Phase I Environmental Site Assessment (ESA) for the Property and identified the following recognized environmental conditions (RECs) associated with the Property:

- Historical Agricultural Use. Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

Based on these findings a Phase II ESA was recommended for the property. The results of that Phase II ESA are presented below and show that the historical agricultural use does not represent a recognized environmental condition under ASTM E 1527-13.

3.0 FIELD INVESTIGATION PROGRAM

3.1 SCOPE OF WORK

The scope of work consisted of the following general elements:

Pre-Drilling Activities

Prior to the commencement of fieldwork activities Stantec made the following preparations:

- As required by law, Stantec visited the Property to mark the proposed boring locations and acquire a current Underground Service Alert (USA) ticket number prior to commencement of Property drilling activities.
- In accordance with federal OSHA regulations (29 CFR, Section 1910.120), Stantec developed a site-specific Health and Safety Plan (HASP) for the subject property. All Stantec personnel and subcontractors associated with the project were required to be familiar with, and comply with, all provisions of the HASP.

Field Investigation

Stantec provided the services of a field geologist or engineer to supervise and direct all onsite activities. All work was conducted under the supervision of a State of California registered professional and include the following:

- On April 24, 2019, six soil borings (HA-1 through HA-6) were advanced to a depth of 3 feet bgs with soil samples collected at 0.5 to 1.0 foot and 2.5 to 3.0 feet. The soil borings were located at location on the Property where historical agricultural use was noted on aerial photographs. The 1.0 foot soil samples were analyzed for pesticides, lead, and arsenic with the 3 foot soil samples placed on hold pending results from the 1.0 foot samples.

Stantec concludes that this scope of work was sufficient for evaluating the issues identified by the Phase I Environmental Site Assessment.

3.2 SAMPLING PROCEDURES

Soil Sampling

During the investigation, soil samples were collected at depths of 0.5 to 1.0 feet and 2.5 to 3.0 feet. Upon advancement of the hand auger to the desired depth, the auger was withdrawn from the boring, and the contents of the auger bucket were discharged into a clean 8-ounce glass jar provided by the laboratory, and sealed with a threaded Teflon lined lid.

All soil sample containers were sealed tightly and labeled with appropriate identification information (boring number, sample depth, sample collection date, and sample collection time). The samples were then logged on a chain-of-custody form and placed in a cooler for transport to the laboratory. Copies of the chain-of-custody forms are included as Appendix A.

3.3 BORING ABANDONMENT PROCEDURES

Following the completion of drilling and soil sampling, borings were abandoned by removing the sampling equipment from the borehole and subsequently backfilling with soil cuttings.

3.4 DECONTAMINATION PROCEDURES

To maintain quality control during soil sampling, prior to each sampling interval, the sampling equipment was decontaminated in an Alconox scrub solution and double-rinsed, first with tap water followed by a final rinse using distilled water.

3.5 WASTE DISPOSAL

All soil cuttings generated during this investigation were used to backfill the boring.

4.0 LABORATORY TESTING PROGRAM

A total of twelve (12) soil samples from the Property collected during this investigation were delivered under chain-of-custody (Appendix A) to Advanced Technology Laboratories (ATL) based out of Signal Hill, California. ATL is certified to perform hazardous waste testing by the State of California Department of Health Services, Environmental Laboratory Accreditation Program.

Six (6) soil samples were analyzed for arsenic and lead by EPA test method 6010B and organochlorine pesticides by EPA test method 8081A. Analytical results are tabulated in Table 1 and Table 2. Analytical laboratory test results are included in Appendix A and discussed in Section 5.0.

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

On April 24, 2019, Stantec personnel advanced six (6) borings at the Property. Soils encountered during the investigation consisted of silty sand. No groundwater was encountered in any of the boreholes. No staining or hydrocarbon odors were observed in any of the boreholes.

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below. Laboratory test results are summarized in attached Table 1 and Table 2. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

Soil Samples

The results of the analysis of the soil samples reported 4,4'-DDE in sample HA-2-1 at 0.0022 milligrams per kilogram (mg/kg). Additionally, sample HA-6-1 had concentrations of 4,4'-DDE and 4,4'-DDT reported at 0.0046 and 0.0036, respectively. None of the detections of organochlorine pesticides were above their respective United States Regional Screening Levels (US EPA RSLs) for residential sites. Therefore, the detected levels of organochlorine pesticides do not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Arsenic was reported above US EPA RSLs for residential sites in five of the six soil samples at concentrations ranging from 1.3 to 4.1 milligrams per kilogram (mg/kg). However, arsenic occurs naturally throughout California at levels significantly exceeding the RSL (0.6 to 12.0 mg/kg). Therefore, reported arsenic concentrations are well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of six samples collected at concentrations ranging from 4.2 to 19 mg/kg, which are well below the residential soil screening level of 80 mg/kg. Therefore, the metals associated with herbicide does not represent a Recognized Environmental Condition and Stantec recommends no further investigation regarding this issue.

Certified analytical reports with chain of custody documentation are provided in Appendix A.

Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk in light of the contemplated residential use of the Property and recommends no further investigation regarding this issue.

6.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Property conditions may degrade with time; consequently, the findings presented herein are subject to change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the Master Services Agreement (MSA), the MSA shall control.

7.0 REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2019, website http://maps.conservation.ca.gov/doms/index.html

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_____, Certified Sanborn Map Report, Inquiry Number 5253592.3, dated April 10, 2018.

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_____, Aerial Photo Decade Package, Inquiry Number 5253592.5, dated April 10, 2018.

_____, City Directory Abstract, Inquiry Number 5253592.6, dated April 10, 2018.

Stantec Consulting Services, Inc., 2018, Phase I Environmental Site Assessment, 930 Compton Boulevard, Compton, California 90220, dated April 27, 2018

United States Geological Survey (USGS), 2012, South Gate, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

United States Geological Survey (USGS), 2019, website https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm

TABLES

Table 1
Summary of Soil Analytical Results - Lead & Arsenic
City Ventures - Compton
930 Compton Boulevard, Compton, California
Stantec Project No.: 185804169

Sample ID [1]	Sampling Date	Sampling Depth (ft)	Metals (mg/kg)	
			EPA 6010B [2]	
			Arsenic	Lead
USEPA RSLs (mg/kg)			0.68	80
California Background Levels (mg/kg)			0.6-11.0	12.4 - 97.1
Samples				
HA-1-1	4/24/2019	1.0	1.3	6.1
HA-2-1	4/24/2019	1.0	1.9	19
HA-3-1	4/24/2019	1.0	2.3	4.2
HA-4-1	4/24/2019	1.0	4.1	4.5
HA-5-1	4/24/2019	1.0	<1.0	10
HA-6-1	4/24/2019	1.0	1.7	13

NOTES:
(1) Refer to Figure 2 for sampling locations
(2) Concentrations reported in milligrams per kilogram (mg/kg), EPA Test Method 6010B
< - Indicates the concentration was not detected above the laboratory method reporting limit.
-- indicates the sample was not anaylzed

ABBREVIATIONS:
USEPA RSLs - United States Environmental Protection Agency Regional Screening Levels for Residential Soils (May 2016)

BOLD - Indicates the concentration is above the laboratory reporting level
Concentration exceeds USEPA Region 9 RLS
Concentration exceeds Southern California regional background levels

Table 2
Summary of Soil Analytical Results - Pesticides
City Ventures - Compton
930 Compton Boulevard, Compton, California
Stantec Project No.: 185804169

r	Depth [1]	Date	Pesticides (EPA Test Method 8081A)				
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Other OCPs
Screening Levels for residential soil (mg/Kg) [2]			2.3	2.0	1.9	0.034	varies
Hazardous Waste Levels (mg/Kg)			1.0	1.0	1.0	8.0	varies
Typical Background Levels in California			NE	NE	NE	NE	NE
Samples							
HA-1-1	1.0	4/24/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-2-1	1.0	4/24/2019	<0.002	0.0022	<0.002	<0.002	<varies
HA-3-1	1.0	4/24/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-4-1	1.0	4/24/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-5-1	1.0	4/5/2019	<0.002	<0.002	<0.002	<0.002	<varies
HA-6-1	1.0	4/9/2019	<0.002	0.0046	0.0034	<0.002	<varies

NOTES:

(1) Sample depth is reported as feet below ground surface

(2) Screening level value is determined by the more conservative value from the California DTSC HERO Note 3 or USEPA RSLs.

All concentrations reported in milligrams of metal per kilogram of soil (mg/kg)

< - Indicates the concentration was not detected above the laboratory method reporting limit.

BOLD - Indicates the concentration is above the laboratory reporting level

Concentration exceeds USEPA Region 9 RLS

Concentration exceeds Southern California regional background levels

ABBREVIATIONS:

DTSC - Department of Toxic Substances Control

HERO - Human and Ecological Risk Office

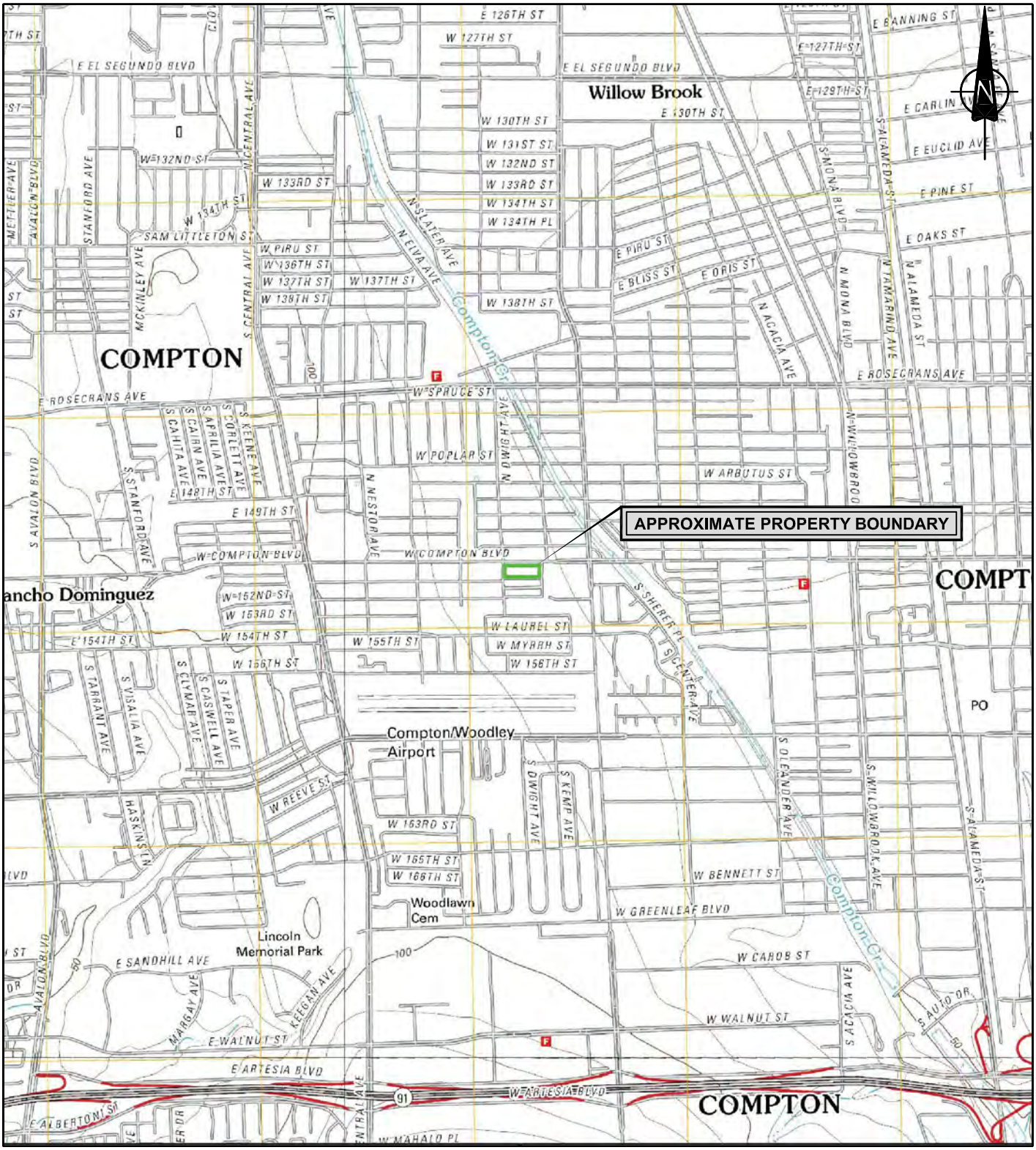
NA - Not analyzed

ND - Not detected

NE - Not established

USEPA RSL - United States Environmental Protection Agency Regional Screening

FIGURES



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY LOCATION MAP

PHASE I ESA

930 WEST COMPTON BOULEVARD, COMPTON, CA

Client: CITY VENTURES

Project No.:	185804169
Scale:	AS SHOWN
Date:	19/05/04
Dwn. By:	CD DM SC2019050012
App'd By:	KE

Fig. No.: 1

Stantec

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LEGEND

- SHALLOW SOIL SAMPLE LOCATION, STANTEC APRIL 2019

0 50 100 150 FT

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY DETAILS

PHASE I ESA

930 WEST COMPTON BOULEVARD, COMPTON, CA

Client:	CITY VENTURES
Project No.:	185804169
Scale:	AS SHOWN
Date:	19/05/04
Dwn. By:	CD DM SC2019050013
App'd By:	KE

Fig. No.: 2

Stantec

APPENDIX A
LABORATORY DATA SHEETS AND QA/QC RESULTS

May 01, 2019

Alicia Jansen
Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
Tel: (909) 335-6116
Fax:(909) 335-6120

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1901660
Client Reference : CV Compton, 185804169

Enclosed are the results for sample(s) received on April 24, 2019 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Stantec		Project Number :	CV Compton, 185804169
735 E. Carnegie Drive, Suite 280		Report To :	Alicia Jansen
San Bernardino , CA 92408		Reported :	05/01/2019

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1-1	1901660-02	Soil	4/24/19 7:10	4/24/19 10:12
HA-2-1	1901660-03	Soil	4/24/19 7:45	4/24/19 10:12
HA-3-1	1901660-05	Soil	4/24/19 8:15	4/24/19 10:12
HA-4-1	1901660-07	Soil	4/24/19 8:40	4/24/19 10:12
HA-5-1	1901660-09	Soil	4/24/19 9:10	4/24/19 10:12
HA-6-1	1901660-11	Soil	4/24/19 9:45	4/24/19 10:12

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-1-1

Lab ID: 1901660-02

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.3**	1.0	1	B9D1193	04/30/2019	04/30/19 13:26	
Lead	**6.1**	1.0	1	B9D1193	04/30/2019	04/30/19 13:26	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
4,4′-DDE	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 17:41	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:41	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 17:41	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 17:41	
Surrogate: Decachlorobiphenyl	*45.5 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 17:41*	
Surrogate: Tetrachloro-m-xylene	*52.2 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 17:41*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-2-1
Lab ID: 1901660-03

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.9**	1.0	1	B9D1193	04/30/2019	04/30/19 13:30	
Lead	**19**	1.0	1	B9D1193	04/30/2019	04/30/19 13:30	

Organochlorine Pesticides by EPA 8081

Analyst: KD/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
4,4′-DDE [2C]	**2.2**	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 17:51	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 17:51	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 17:51	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 17:51	
Surrogate: Decachlorobiphenyl	*49.0 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 17:51*	
Surrogate: Tetrachloro-m-xylene	*73.7 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 17:51*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-3-1

Lab ID: 1901660-05

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**2.3**	1.0	1	B9D1193	04/30/2019	04/30/19 13:31	
Lead	**4.2**	1.0	1	B9D1193	04/30/2019	04/30/19 13:31	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
4,4′-DDE	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:01	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:01	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:01	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:01	
Surrogate: Decachlorobiphenyl	*57.2 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:01*	
Surrogate: Tetrachloro-m-xylene	*65.3 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:01*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-4-1

Lab ID: 1901660-07

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**4.1**	1.0	1	B9D1193	04/30/2019	04/30/19 13:32	
Lead	**4.5**	1.0	1	B9D1193	04/30/2019	04/30/19 13:32	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
4,4′-DDE	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
4,4′-DDT	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:12	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:12	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:12	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:12	
Surrogate: Decachlorobiphenyl	*51.9 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:12*	
Surrogate: Tetrachloro-m-xylene	*70.9 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:12*	

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Client Sample ID HA-5-1

Lab ID: 1901660-09

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	1	B9D1193	04/30/2019	04/30/19 13:33	
Lead	**10**	1.0	1	B9D1193	04/30/2019	04/30/19 13:33	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
4,4′-DDE [2C]	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
4,4′-DDT [2C]	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Chlordane	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:22	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:22	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
gamma-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:22	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:22	
Surrogate: Decachlorobiphenyl	*54.2 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:22*	
Surrogate: Tetrachloro-m-xylene	*81.9 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:22*	

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Client Sample ID HA-6-1

Lab ID: 1901660-11

Total Metals by ICP-AES EPA 6010B — **Analyst: GO**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.7**	1.0	1	B9D1193	04/30/2019	04/30/19 13:34	
Lead	**13**	1.0	1	B9D1193	04/30/2019	04/30/19 13:34	

Organochlorine Pesticides by EPA 8081 — **Analyst: KD/**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
4,4´-DDE [2C]	**4.6**	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
4,4´-DDT [2C]	**3.4**	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Aldrin	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
alpha-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
alpha-Chlordane	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
beta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Chlordane [2C]	ND	8.5	1	B9D1238	04/29/2019	04/29/19 18:33	
delta-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Dieldrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endosulfan I	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endosulfan II	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endosulfan sulfate	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endrin	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endrin aldehyde	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Endrin ketone	ND	2.0	1	B9D1238	04/29/2019	04/29/19 18:33	
gamma-BHC	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
gamma-Chlordane [2C]	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Heptachlor	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Heptachlor epoxide	ND	1.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Methoxychlor	ND	5.0	1	B9D1238	04/29/2019	04/29/19 18:33	
Toxaphene	ND	50	1	B9D1238	04/29/2019	04/29/19 18:33	
Surrogate: Decachlorobiphenyl	*50.3 %*	*32 - 91*		B9D1238	04/29/2019	*04/29/19 18:33*	
Surrogate: Tetrachloro-m-xylene	*73.1 %*	*38 - 93*		B9D1238	04/29/2019	*04/29/19 18:33*	

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QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1193 - EPA 3050B_S										
Blank (B9D1193-BLK1)					Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	ND	1.0	0.12							
Lead	ND	1.0	0.18							
LCS (B9D1193-BS1)					Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	44.2783	1.0	0.12	50.0000		88.6	80 - 120			
Lead	44.8707	1.0	0.18	50.0000		89.7	80 - 120			
Matrix Spike (B9D1193-MS1)			**Source: 1901660-02**		Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	91.2624	1.0	0.12	124.378	1.27926	72.3	49 - 96			
Lead	91.9805	1.0	0.18	124.378	6.08868	69.1	29 - 126			
Matrix Spike Dup (B9D1193-MSD1)			**Source: 1901660-02**		Prepared: 4/30/2019 Analyzed: 4/30/2019					
Arsenic	91.7811	1.0	0.12	125.000	1.27926	72.4	49 - 96	0.567	20	
Lead	92.5801	1.0	0.18	125.000	6.08868	69.2	29 - 126	0.650	20	

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Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S										
Blank (B9D1238-BLK1)							Prepared: 4/29/2019 Analyzed: 4/29/2019			
4,4′-DDD	ND	2.0	0.07							
4,4′-DDD [2C]	ND	2.0	0.07							
4,4′-DDE	ND	2.0	0.11							
4,4′-DDE [2C]	ND	2.0	0.11							
4,4′-DDT	ND	2.0	0.10							
4,4′-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.12							
Aldrin [2C]	ND	1.0	0.12							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.12							
alpha-Chlordane [2C]	ND	1.0	0.12							
beta-BHC	ND	1.0	0.06							
beta-BHC [2C]	ND	1.0	0.06							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.12							
delta-BHC [2C]	ND	1.0	0.12							
Dieldrin	ND	2.0	0.26							
Dieldrin [2C]	ND	2.0	0.26							
Endosulfan I	ND	1.0	0.10							
Endosulfan I [2C]	ND	1.0	0.10							
Endosulfan II	ND	2.0	0.15							
Endosulfan II [2C]	ND	2.0	0.15							
Endosulfan sulfate	ND	2.0	0.16							
Endosulfan Sulfate [2C]	ND	2.0	0.16							
Endrin	ND	2.0	0.14							
Endrin [2C]	ND	2.0	0.14							
Endrin aldehyde	ND	2.0	0.31							
Endrin aldehyde [2C]	ND	2.0	0.31							
Endrin ketone	ND	2.0	0.13							
Endrin ketone [2C]	ND	2.0	0.13							
gamma-BHC	ND	1.0	0.10							
gamma-BHC [2C]	ND	1.0	0.10							
gamma-Chlordane	ND	1.0	0.89							
gamma-Chlordane [2C]	ND	1.0	0.89							
Heptachlor	ND	1.0	0.12							
Heptachlor [2C]	ND	1.0	0.12							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.18							

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
Blank (B9D1238-BLK1) - Continued					Prepared: 4/29/2019 Analyzed: 4/29/2019					
Methoxychlor [2C]	ND	5.0	0.18							
Toxaphene	ND	50	4.7							
Toxaphene [2C]	ND	50	4.7							
Surrogate: Decachlorobiphenyl	*11.67*			*16.6667*		*70.0*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*11.15*			*16.6667*		*66.9*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*11.72*			*16.6667*		*70.3*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*12.31*			*16.6667*		*73.9*	*38 - 93*			
LCS (B9D1238-BS1)					Prepared: 4/29/2019 Analyzed: 4/29/2019					
4,4´-DDD	12.3362	2.0	0.07	16.6667		74.0	66 - 112			
4,4´-DDD [2C]	12.1298	2.0	0.07	16.6667		72.8	66 - 112			
4,4´-DDE	12.4562	2.0	0.11	16.6667		74.7	62 - 112			
4,4´-DDE [2C]	13.0710	2.0	0.11	16.6667		78.4	62 - 112			
4,4´-DDT	12.0140	2.0	0.10	16.6667		72.1	48 - 90			
4,4´-DDT [2C]	12.1237	2.0	0.10	16.6667		72.7	48 - 90			
Aldrin	12.3463	1.0	0.12	16.6667		74.1	58 - 104			
Aldrin [2C]	12.9072	1.0	0.12	16.6667		77.4	58 - 104			
alpha-BHC	12.0072	1.0	0.11	16.6667		72.0	57 - 105			
alpha-BHC [2C]	12.4967	1.0	0.11	16.6667		75.0	57 - 105			
alpha-Chlordane	12.2773	1.0	0.12	16.6667		73.7	62 - 108			
alpha-Chlordane [2C]	12.7833	1.0	0.12	16.6667		76.7	62 - 108			
beta-BHC	11.6513	1.0	0.06	16.6667		69.9	59 - 106			
beta-BHC [2C]	12.4323	1.0	0.06	16.6667		74.6	59 - 106			
delta-BHC	12.7830	1.0	0.12	16.6667		76.7	63 - 115			
delta-BHC [2C]	13.2733	1.0	0.12	16.6667		79.6	63 - 115			
Dieldrin	11.8673	2.0	0.26	16.6667		71.2	59 - 102			
Dieldrin [2C]	12.1300	2.0	0.26	16.6667		72.8	59 - 102			
Endosulfan I	11.3918	1.0	0.10	16.6667		68.4	61 - 99			
Endosulfan I [2C]	11.7305	1.0	0.10	16.6667		70.4	61 - 99			
Endosulfan II	11.8188	2.0	0.15	16.6667		70.9	65 - 105			
Endosulfan II [2C]	11.7683	2.0	0.15	16.6667		70.6	65 - 105			
Endosulfan sulfate	11.0713	2.0	0.16	16.6667		66.4	59 - 107			
Endosulfan Sulfate [2C]	10.4507	2.0	0.16	16.6667		62.7	59 - 107			
Endrin	13.3588	2.0	0.14	16.6667		80.2	65 - 113			
Endrin [2C]	12.8722	2.0	0.14	16.6667		77.2	65 - 113			
Endrin aldehyde	11.3033	2.0	0.31	16.6667		67.8	61 - 109			
Endrin aldehyde [2C]	11.6778	2.0	0.31	16.6667		70.1	61 - 109			
Endrin ketone	10.6785	2.0	0.13	16.6667		64.1	56 - 97			
Endrin ketone [2C]	10.5147	2.0	0.13	16.6667		63.1	56 - 97			
gamma-BHC	12.1808	1.0	0.10	16.6667		73.1	57 - 101			
gamma-BHC [2C]	12.8092	1.0	0.10	16.6667		76.9	57 - 101			

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
LCS (B9D1238-BS1) - Continued						Prepared: 4/29/2019 Analyzed: 4/29/2019				
gamma-Chlordane	12.0672	1.0	0.89	16.6667		72.4	56 - 125			
gamma-Chlordane [2C]	12.6185	1.0	0.89	16.6667		75.7	56 - 125			
Heptachlor	12.7775	1.0	0.12	16.6667		76.7	61 - 105			
Heptachlor [2C]	13.2403	1.0	0.12	16.6667		79.4	61 - 105			
Heptachlor epoxide	11.4355	1.0	0.09	16.6667		68.6	59 - 97			
Heptachlor epoxide [2C]	11.9838	1.0	0.09	16.6667		71.9	59 - 97			
Methoxychlor	12.7437	5.0	0.18	16.6667		76.5	68 - 118			
Methoxychlor [2C]	12.9302	5.0	0.18	16.6667		77.6	68 - 118			
Surrogate: Decachlorobiphenyl	*11.56*			*16.6667*		*69.3*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*11.34*			*16.6667*		*68.0*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*12.39*			*16.6667*		*74.3*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*13.32*			*16.6667*		*79.9*	*38 - 93*			
Matrix Spike (B9D1238-MS1)			**Source: 1901660-02**			Prepared: 4/29/2019 Analyzed: 4/29/2019				
4,4′-DDD	5.22800	2.0	0.07	16.6667	ND	31.4	33 - 116			M2
4,4′-DDD [2C]	5.79500	2.0	0.07	16.6667	ND	34.8	33 - 116			
4,4′-DDE	6.09700	2.0	0.11	16.6667	0.187833	35.5	29 - 128			
4,4′-DDE [2C]	6.46100	2.0	0.11	16.6667	0.182667	37.7	29 - 128			
4,4′-DDT	5.79450	2.0	0.10	16.6667	ND	34.8	27 - 109			
4,4′-DDT [2C]	6.24633	2.0	0.10	16.6667	ND	37.5	27 - 109			
Aldrin	6.46967	1.0	0.12	16.6667	ND	38.8	34 - 110			
Aldrin [2C]	6.71000	1.0	0.12	16.6667	ND	40.3	34 - 110			
alpha-BHC	6.37133	1.0	0.11	16.6667	ND	38.2	39 - 107			M2
alpha-BHC [2C]	6.79917	1.0	0.11	16.6667	ND	40.8	39 - 107			
alpha-Chlordane	6.03667	1.0	0.12	16.6667	ND	36.2	37 - 111			M2
alpha-Chlordane [2C]	6.52383	1.0	0.12	16.6667	ND	39.1	37 - 111			
beta-BHC	3.83567	1.0	0.06	16.6667	ND	23.0	33 - 111			M2
beta-BHC [2C]	3.91300	1.0	0.06	16.6667	ND	23.5	33 - 111			M2
delta-BHC	2.54033	1.0	0.12	16.6667	ND	15.2	25 - 122			M2
delta-BHC [2C]	2.73200	1.0	0.12	16.6667	ND	16.4	25 - 122			M2
Dieldrin	4.14750	2.0	0.26	16.6667	ND	24.9	28 - 114			M2
Dieldrin [2C]	4.40417	2.0	0.26	16.6667	ND	26.4	28 - 114			M2
Endosulfan I	4.81383	1.0	0.10	16.6667	ND	28.9	35 - 107			M2
Endosulfan I [2C]	5.01167	1.0	0.10	16.6667	ND	30.1	35 - 107			M2
Endosulfan II	1.18617	2.0	0.15	16.6667	ND	7.12	13 - 122			M2
Endosulfan II [2C]	1.35533	2.0	0.15	16.6667	ND	8.13	13 - 122			M2
Endosulfan sulfate	0.862500	2.0	0.16	16.6667	ND	5.17	13 - 120			M2
Endosulfan Sulfate [2C]	0.874000	2.0	0.16	16.6667	ND	5.24	13 - 120			M2
Endrin	4.74750	2.0	0.14	16.6667	ND	28.5	31 - 121			M2
Endrin [2C]	5.00467	2.0	0.14	16.6667	ND	30.0	31 - 121			M2
Endrin aldehyde	0.979667	2.0	0.31	16.6667	ND	5.88	18 - 129			M2

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike (B9D1238-MS1) - Continued			**Source: 1901660-02**		Prepared: 4/29/2019 Analyzed: 4/29/2019					
Endrin aldehyde [2C]	0.836500	2.0	0.31	16.6667	ND	5.02	18 - 129			M2
Endrin ketone	1.19933	2.0	0.13	16.6667	ND	7.20	14 - 113			M2
Endrin ketone [2C]	1.18117	2.0	0.13	16.6667	ND	7.09	14 - 113			M2
gamma-BHC	6.15783	1.0	0.10	16.6667	ND	36.9	34 - 104			
gamma-BHC [2C]	6.23800	1.0	0.10	16.6667	ND	37.4	34 - 104			
gamma-Chlordane	11.1458	1.0	0.89	16.6667	ND	66.9	35 - 121			
gamma-Chlordane [2C]	6.02467	1.0	0.89	16.6667	ND	36.1	35 - 121			
Heptachlor	6.90650	1.0	0.12	16.6667	ND	41.4	35 - 110			
Heptachlor [2C]	7.15100	1.0	0.12	16.6667	ND	42.9	35 - 110			
Heptachlor epoxide	5.09900	1.0	0.09	16.6667	ND	30.6	31 - 106			M2
Heptachlor epoxide [2C]	5.25050	1.0	0.09	16.6667	ND	31.5	31 - 106			
Methoxychlor	3.00050	5.0	0.18	16.6667	ND	18.0	21 - 128			M2
Methoxychlor [2C]	2.96517	5.0	0.18	16.6667	ND	17.8	21 - 128			M2
Surrogate: Decachlorobiphenyl	*5.899*			*16.6667*		*35.4*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*6.714*			*16.6667*		*40.3*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*7.172*			*16.6667*		*43.0*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*7.761*			*16.6667*		*46.6*	*38 - 93*			
Matrix Spike Dup (B9D1238-MSD1)			**Source: 1901660-02**		Prepared: 4/29/2019 Analyzed: 4/29/2019					
4,4′-DDD	5.31383	2.0	0.07	16.6667	ND	31.9	33 - 116	1.63	20	M2
4,4′-DDD [2C]	5.56300	2.0	0.07	16.6667	ND	33.4	33 - 116	4.09	20	
4,4′-DDE	6.25800	2.0	0.11	16.6667	0.187833	36.4	29 - 128	2.61	20	
4,4′-DDE [2C]	6.55717	2.0	0.11	16.6667	0.182667	38.2	29 - 128	1.48	20	
4,4′-DDT	5.45450	2.0	0.10	16.6667	ND	32.7	27 - 109	6.04	20	
4,4′-DDT [2C]	5.88950	2.0	0.10	16.6667	ND	35.3	27 - 109	5.88	20	
Aldrin	6.99667	1.0	0.12	16.6667	ND	42.0	34 - 110	7.83	20	
Aldrin [2C]	7.15783	1.0	0.12	16.6667	ND	42.9	34 - 110	6.46	20	
alpha-BHC	7.08283	1.0	0.11	16.6667	ND	42.5	39 - 107	10.6	20	
alpha-BHC [2C]	7.33250	1.0	0.11	16.6667	ND	44.0	39 - 107	7.55	20	
alpha-Chlordane	6.22433	1.0	0.12	16.6667	ND	37.3	37 - 111	3.06	20	
alpha-Chlordane [2C]	6.54850	1.0	0.12	16.6667	ND	39.3	37 - 111	0.377	20	
beta-BHC	4.06400	1.0	0.06	16.6667	ND	24.4	33 - 111	5.78	20	M2
beta-BHC [2C]	3.98867	1.0	0.06	16.6667	ND	23.9	33 - 111	1.92	20	M2
delta-BHC	2.87267	1.0	0.12	16.6667	ND	17.2	25 - 122	12.3	20	M2
delta-BHC [2C]	2.99133	1.0	0.12	16.6667	ND	17.9	25 - 122	9.06	20	M2
Dieldrin	4.31533	2.0	0.26	16.6667	ND	25.9	28 - 114	3.97	20	M2
Dieldrin [2C]	4.44967	2.0	0.26	16.6667	ND	26.7	28 - 114	1.03	20	M2
Endosulfan I	4.98550	1.0	0.10	16.6667	ND	29.9	35 - 107	3.50	20	M2
Endosulfan I [2C]	5.09417	1.0	0.10	16.6667	ND	30.6	35 - 107	1.63	20	M2
Endosulfan II	1.43283	2.0	0.15	16.6667	ND	8.60	13 - 122	18.8	20	M2
Endosulfan II [2C]	1.40583	2.0	0.15	16.6667	ND	8.43	13 - 122	3.66	20	M2

Certificate of Analysis

Stantec	Project Number : CV Compton, 185804169
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/01/2019

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9D1238 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B9D1238-MSD1) - Continued			**Source: 1901660-02**		Prepared: 4/29/2019 Analyzed: 4/29/2019					
Endosulfan sulfate	0.888167	2.0	0.16	16.6667	ND	5.33	13 - 120	2.93	20	M2
Endosulfan Sulfate [2C]	0.973167	2.0	0.16	16.6667	ND	5.84	13 - 120	10.7	20	M2
Endrin	4.90683	2.0	0.14	16.6667	ND	29.4	31 - 121	3.30	20	M2
Endrin [2C]	4.99217	2.0	0.14	16.6667	ND	30.0	31 - 121	0.250	20	M2
Endrin aldehyde	0.932500	2.0	0.31	16.6667	ND	5.59	18 - 129	4.93	20	M2
Endrin aldehyde [2C]	0.879500	2.0	0.31	16.6667	ND	5.28	18 - 129	5.01	20	M2
Endrin ketone	1.29883	2.0	0.13	16.6667	ND	7.79	14 - 113	7.97	20	M2
Endrin ketone [2C]	1.30033	2.0	0.13	16.6667	ND	7.80	14 - 113	9.60	20	M2
gamma-BHC	6.74850	1.0	0.10	16.6667	ND	40.5	34 - 104	9.15	20	
gamma-BHC [2C]	6.70733	1.0	0.10	16.6667	ND	40.2	34 - 104	7.25	20	
gamma-Chlordane	12.5213	1.0	0.89	16.6667	ND	75.1	35 - 121	11.6	20	
gamma-Chlordane [2C]	6.13600	1.0	0.89	16.6667	ND	36.8	35 - 121	1.83	20	
Heptachlor	7.62217	1.0	0.12	16.6667	ND	45.7	35 - 110	9.85	20	
Heptachlor [2C]	7.67483	1.0	0.12	16.6667	ND	46.0	35 - 110	7.07	20	
Heptachlor epoxide	5.44733	1.0	0.09	16.6667	ND	32.7	31 - 106	6.61	20	
Heptachlor epoxide [2C]	5.37983	1.0	0.09	16.6667	ND	32.3	31 - 106	2.43	20	
Methoxychlor	2.95117	5.0	0.18	16.6667	ND	17.7	21 - 128	1.66	20	M2
Methoxychlor [2C]	2.96083	5.0	0.18	16.6667	ND	17.8	21 - 128	0.146	20	M2
Surrogate: Decachlorobiphenyl	*6.307*			*16.6667*		*37.8*	*32 - 91*			
Surrogate: Decachlorobiphenyl [	*6.922*			*16.6667*		*41.5*	*32 - 91*			
Surrogate: Tetrachloro-m-xylene	*8.100*			*16.6667*		*48.6*	*38 - 93*			
Surrogate: Tetrachloro-m-xylene	*8.363*			*16.6667*		*50.2*	*38 - 93*			

Certificate of Analysis

Stantec		Project Number :	CV Compton, 185804169
735 E. Carnegie Drive, Suite 280		Report To :	Alicia Jansen
San Bernardino , CA 92408		Reported :	05/01/2019

Notes and Definitions

M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only ATLCOC Ver:20180415

Method of Transport: ☑ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☑	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA)	NA	☐	6. PRESERVED	☐	☑
3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C:	Received same day as sampling	
4. SEALED	☑	☐			

CUSTOMER

Company: STANTEC
Address: 735 E. CARNEIGIE DR. #280
City: SAN BERNADINO State: CA Zip: 92408
Tel: Fax:

SEND REPORT TO:
Attn: ALICIA JANSEN Email:
Company: Stantec Consulting
Address: 735 E. CARNEIGIE DR #280
City: SAN BERNADINO State: CA Zip: 92408

SEND INVOICE TO: ☑ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

PROJECT SAMPLES

Project Name: CV Compton
Project No.: 185804/169
Sampler: K. Couture
Quote #:
PO #:
Special Instructions/Comments: HOLD 3 ft SAMPLES

ITEM	Laboratory ID (For Lab Use Only)	Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015 (GRO)	8015 (DRO)	8081 (Organochlorine Pesticides)	8082 (PCBs)	8270 (Semi-volatiles)	6010 / 7000 (Title 22 Metals)	TO-15	6010B ARSENIC	HOLD	SOIL	SOLID	GROUNDWATER	WASTEWATER	OIL	Turnaround Time (TAT)	Quantity	Container Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NA2S2O3	Remarks
1	19d660 -01	HA-1-3	4/24/19	0735				X					X	X										
2	-02	HA-1-1		0710																				
3	-03	HA-2-1		0745																				
4	-04	HA-2-3		0805										X										
5	-05	HA-3-1		0815																				
6	-06	HA-3-3		0830										X										
7	-07	HA-4-1		0840																				
8	-08	HA-4-3		0900										X										
9	-09	HA-5-1		0910																				
10	-10	HA-5-3	4/24/19	0935				X					X	X										

SAMPLE RECEIPT

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work --- ask forquote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
   - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; $20 sample/week if extended storage is requested.
   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.
12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	4/24/19		MPP	4/24/19	1012
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Printed Name _____ Signature _____

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 2 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver:20180415

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐			

CUSTOMER

Company: STANTEC
Address: 735 E CARNEGIE DR #280 Tel:
City: SAN BERNARDINO State: CA Zip: 92408 Fax:

SEND REPORT TO:
Attn: ALICIA JAMSEN Email:
Company: STANTEC Consulting
Address: 735 E. CARNEGIE DR #280
City: SAN BERNADINO State: CA Zip: 92408

SEND INVOICE TO: ☐ Same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

PROJECT SAMPLES

Project Name: CV Compton
Project No.: 185804169
Sampler: R. Caltone
Quote #:
PO #:
Special Instructions/Comments: HOLD 3 SAMPLES

ITEM	Laboratory ID (For Lab Use Only)	Sample Description: Sample ID / Location	Date	Time
1	L901660-4	HA-6-1	4/24/19	0945
2	↓ -12	HA-6-3	4/24/19	1000
3				
4				
5				
6				
7				
8				
9				
10				

Requested Analysis: 8260 / 624 (Volatiles); 8015 (GRO); 8015 (DRO); 8081 (Organochlorine Pesticides) X X; 8082 (PCBs); 8270 (Semi-volatiles); 6010 / 7000 (Title 22 Metals); TO-15; 6010B Arsenic X X; HOLD X X

Sample Matrix: SOIL; SOLID; GROUNDWATER; WASTEWATER; OIL

Turnaround Time (TAT)

Container: Quantity; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Bedlar; 7 = Canister; Material: 1=Glass; 2=Plastic; 3=Metal; Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NA2S2O3

Remarks

TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
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5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
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7. Electronic records maintained for five (5) years from report date.
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12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	4/24/19		MRR	4/24/19	1012
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Printed Name _____ Signature _____

Phase I Environmental Site Assessment
930 Compton Boulevard
Compton, California 90220

Prepared for:
City Ventures
3121 Michelson Drive,
Suite 150
Irvine, CA 92612

Prepared by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California 92374

Project No.: 185804169

April 27, 2018

Sign-off Sheet and Signatures of Environmental Professionals

This Phase I Environmental Site Assessment was prepared by Stantec Consulting Services Inc. (Stantec) for City Ventures. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

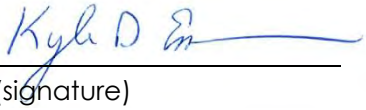
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Author
(signature)

Alicia Jansen
Associate Scientist

Quality Reviewer
(signature)

Dion Monge
Senior Scientist

Independent Reviewer 
(signature)

Kyle Emerson, P.G., C.E.G.
Managing Principal Geologist

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Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds

1.0 SUMMARY

This Phase I Environmental Site Assessment (ESA) report was prepared by Stantec Consulting Services Inc. (Stantec), on behalf of City Ventures (the "Client"), for the property located at 930 Compton Boulevard, Compton, California (the "Property" or the "Site"). City Ventures (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of ASTM International (ASTM) Designation E 1527-13, All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312 and the terms and conditions of the Master Services Agreement between Stantec and Client (the "MSA"), except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 *et seq*.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify adverse environmental conditions including recognized environmental conditions ("RECs") at the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

(1) Due to any release to the environment;

(2) Under conditions indicative of a release to the environment; or

(3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health

and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and a review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

(1) Information that is publicly available;

(2) Information that is obtainable from its source within reasonable time and cost constraints; and

(3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

The Assessor's Parcel Number (APN) for the Property is 6161-001-902.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with the Master Services Agreement between Stantec and Client (the "MSA") and the requirements of ASTM E 1527-13

and AAI. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report.

This report provides an evaluation of specified environmental conditions associated with the identified property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. 40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information. Stantec can neither warrant nor guarantee such thoroughness or reliability, however.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the preparation of this report, and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. Project Specific limiting conditions are provided in Section 2.2.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. The identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law or the MSA. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	Stantec was provided a User Questionnaire form completed by Ms. Kim Prijatel, Vice President of Development of City Ventures, dated April 12, 2018. Ms. Prijatel is not aware of any environmental issues associated with the Property.
Environmental Liens or Activity Use Limitations	No	Recorded title records or search results for any environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA. The lack of review of this information did not appear to affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.
Previous Environmental Permits or Reports Provided by User	No	No previous reports or permits were provided for the Property.
Purpose of the Phase I ESA	Yes	Due Diligence

Stantec forwarded the ASTM recommended User Questionnaire to Ms. Prijatel, Vice President of Development for City Ventures. The completed User Questionnaire returned to Stantec by Ms. Prijatel is included in Appendix C. The significant information provided by the user is summarized below.

1. Information on Environmental Cleanup Liens on Subject Property? **No**
2. Information on Subject property Activity or Use Limitations (including Institutional and Engineering Controls)? **No**
3. Specialized knowledge or experience of the User: **No**
4. Relationship of the purchase price/rent to fair market value of the Subject Property if it were not contaminated? **Does not believe purchase price has been reduced from fair market value.**

5. Commonly known or reasonably ascertainable information about the Subject Property? **The Property is a trucking location with the potential for oil and gas usage.**
6. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation? **None.**

3.1 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The Federal AAI rule (40 CFR §312.28) and ASTM E1527-13 require that all appropriate inquiry must take into account relevant and applicable specialized knowledge and experience on the part of the User regarding the Site, the area surrounding the Site, the conditions of adjoining properties, and any other experience relevant to identifying RECs on the Site.

Ms. Prijatel is familiar with the Site and knows of no RECs associated with the Site.

3.2 PURCHASE PRICE VS. PROPERTY VALUE

The Federal AAI rule (40 CFR §312.29) and ASTM E1527-13 require that persons seeking defense to or protection from liability under CERCLA must take into account the relationship of the purchase price to the fair market value of the property if it were not contaminated to assess whether or not the differential is due to the presence of releases or threatened releases of hazardous substances. This portion of the inquiry is the responsibility of the User, and the User has the option of sharing or not sharing this information with the Environmental Professional performing the Phase I ESA.

Stantec has not performed an independent evaluation of the purchase price of the property and its relationship to fair market value. Stantec submitted a written questionnaire to the User inquiring about the User's knowledge regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated.

Ms. Prijatel believes the purchase price reflects fair market value and has not been reduced due to any environmental issues.

The User provided information is included in Appendix C.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

Topography:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.
Soil/Bedrock Data:	According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.
Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

4.1.1 Property Topography and Surface Water Flow

The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast. Based on the topography, surface water on the Property infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.

The nearest surface water body is a creek known as San Gabriel River, located approximately ½ mile to the east of the Property.

4.1.2 Regional and Property Geology

The Property is located in Los Angeles County. The area is located within the Peninsular Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey ["CGS"], 2002). The vicinity consists of recent-age alluvium (CDMG, 1962). Soil at a facility 1,500 feet to the west is reportedly sand (Geotracker, 2015).

According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.

4.1.3 Regional and Property Hydrogeology

The Property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.04). The basin is located within the southeastern portion of Los Angeles County. The basin is constrained by the La Brea high to the north, bedrock core complexes to the northeast and east, a drainage province boundary to the southeast, and the Newport-Inglewood Fault to the southwest. Two forebays and one pressure area are present in the basin and water-bearing units consist of sand, gravel and clay up to 2,200 feet in thickness (Department of Water Resources [DWR], 2004).

According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred groundwater flow direction is likely to be

northwest direction. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property was identified in the environmental database report. The following table summarizes the listing for the Property:

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Office of State Wide Health Planning & Development 930 W Compton Boulevard Compton, CA 90220	HAZNET	Target Property	No
The Property is listed as disposing of polychlorinated biphenyls (PCBs), material containing PCBs, and asbestos off-site in 2004. This is likely during the building demolition activities. There are no violations related to the off-site disposal of the waste. Given there were no violations listed, the database listings are considered unlikely to represent an environmental condition to the Property.			

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Excel Cleaners 913 W Compton Boulevard Compton, CA 90220	EDR Hist Cleaner	60 feet / northeast	No
This facility is listed as dry cleaner in 1962. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Mac S Radiator Service 929 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	90 feet / north	No

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
This facility is listed as an auto radiator repair service in 1951. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Forst & Son 945 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	107 feet / north	No
This facility is listed as an auto repair service in 1947. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Blackshire & Marshall 1011 W Compton Boulevard Compton, CA 90220	RCRA Non Gen/NLR; FINDS; ECHO	108 feet / west	No
The facility is listed as a transported of hazardous wastes with no reported violations. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Hooper's Carpets / Sinclair C B 1001 W Compton Boulevard Compton, CA 90220	UST; EDR Hist Auto; LUST	162 feet / west-northwest	No
The facility was listed as various gasoline and oil service stations between 1947 and 1951 and Coopers Auto general auto repair in 2010. The facility is currently a carpet shop. The facility had one 1,000-gallon motor oil underground storage tank (UST) and two 2,000-gallon gasoline USTs that were closed in-place in March 2015. The Regional Water Quality Control Board (RWQCB) granted case closure on January 25, 2018 for a release of gasoline to soil. Given the distance, media involved, and closure status, this facility is unlikely to represent an environmental concern to the Property.			

The remaining listings in the database search report provided in Appendix D do not constitute a REC for the property.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property. Copies of responses from the regulatory agencies is provided in Appendix F.

4.3.1 Local Health Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Health (DPH) 5555 Ferguson Drive, Suite 120-04 Commerce, CA 90022	Stantec submitted a request to the Los Angeles County DPH on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.2 Department of Toxic Substances Control (DTSC)

Agency Name Contact Information	Finding
Department of Toxic Substances Control (DTSC) 5796 Corporate Ave., Cypress, CA 90630	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap. Additionally, Stantec researched the online database Envirostor managed by this agency (envirostor.dtsc.ca.gov). No records were found on the database website for the Property address.

4.3.3 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
City of Compton Building and Safety Division 205 S. Willowbrook Avenue Compton, CA 90220 Tel: (310) 605-5509	A request was submitted to the City of Compton Building and Safety Division on April 11, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.4 County Public Works Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Works (DPW) Environmental Programs Division UST Program 900 South Fremont Avenue, 3rd Floor Alhambra, California Tel: (626) 458-3517 http://ladpw.org/epd/CleanLA/OpenFileReview.aspx	According to an email dated April 11, 2018, from Mr. David Coscia, Program Manager II with the Los Angeles County Department of Public Works, there are no records for the Property. Additionally, Stantec researched the online database managed by this agency (http://ladpw.org/epd/CleanLA/OpenFileReview.aspx). No records were found on the database website for the Property. Stantec also research the Solid Waste Management System database managed by this agency (https://dpw.lacounty.gov/epd/swims/OnlineServices/search-methane-hazards-esri.aspx) to determine if methane mitigation is required for the Property. According to this database, the Property is not within 300 feet of an oil or gas well or within 1,000 feet of a methane producing site. Therefore, this agency does not require a methane mitigation system for future Property structures.

4.3.5 Fire Department

Agency Name Contact Information	Finding
County of Los Angeles Fire Department Health Hazardous Materials Division 5825 Rickenbacker Road Commerce, CA 90040 Tel: (323) 890-4045	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.6 California Regional Water Quality Control Board (CRWQCB)

Agency Name, Contact Information	Findings
California State Water Resources Control Board, Los Angeles (CRWQCB) 320 W 4th Street, Suite 200 Los Angeles, CA 90013 (213) 576-6600	Stantec researched the online database Geotracker managed by this agency (geotracker.waterbarods.ca.gov). No records were found on the database website for the Property address.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Land title records and deeds were not provided by the User, and public records were not searched by Stantec.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property, and Adjoining Properties
1928	1": 500'	The Property and adjacent land to the south appear to be used for light agricultural purposes. Compton Boulevard appears adjacent to the north beyond which are small structures. Dwight Avenue appears adjacent to the west.
1938	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1947	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. An increase in residential development appears to the north and south. The Compton Airport appears approximately 1,000 feet to the south.
1952	1": 500'	The Property appears to be vacant land. Residential development appears to the south. Kemp Avenue appears adjacent to the east. An increase in residential development appears in the surrounding area.
1963	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1977	1": 500'	The majority of the Property is developed with a large structure possibly a hospital. The western and southern portion of the property appears to be parking. The surrounding properties appears densely developed with residential structures.
1979	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1981	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. Commercial properties appear to the north beyond Compton Boulevard.
1989	1": 500'	The Property appears similar to the previous aerial photograph. The adjacent parcel to the east appears to be a vacant lot.
1994	1": 500'	The Property appears similar to the previous aerial photograph.
2002	1": 500'	The Property appears similar to the previous aerial photographs. The adjacent property to the east appears to be developed with multi-tenant residential structures.
2005	1": 500'	The Property appears to be a vacant lot. All structures and parking areas have been removed. The surrounding area appears similar to the previous aerial photographs.
2010 / 2012	1": 500'	The Property and surrounding area appears similar to the previous aerial photographs.

Name of aerial photograph source: EDR, 2018

The Property appears to have been used for light agricultural use until circa 1950. A large commercial building, possibly a hospital building, appears on the Property between 1977 and 2005. The building on the Property was demolished and remains a vacant lot at present day. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

4.4.3 City Directories

Stantec retained EDR to research available reverse city directories for the Property, in approximately five year intervals for the years spanning 1920 through 2014. The following is a summary of Stantec's review of the city directory listings:

Subject/Adjoining Property	Year	Listed Occupants
Subject Property: 930 W Compton Boulevard	1995	Kazi Residential Drug Program
Subject Property: 930 W Compton Boulevard	1980	Compton Care Inc
Subject Property: 930 W Compton Boulevard	1976	Willows Resident School & Day Care Center
Subject Property: 930 W Compton Boulevard	1971	Willows Convalescent Hospital

Name of city directories and source: Cole Information Services and Haines Criss-Cross Directory.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec contracted with a third party to search for copies of historical fire insurance maps covering the subject and immediately adjacent properties. The Sanborn® Map Search Report is presented in Appendix E.

Year	Occupant of Property/Adjoining Properties; Indications of Hazardous Substance or Petroleum Usage
1938	The Property is not depicted on the Sanborn Map. West Compton Boulevard appears adjacent to the north beyond which are dwellings. The El Retiro Psychopathic Ward with dormitories and an administration building appear adjacent to the east.

Name of maps and source: EDR, 2018

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-Minute Topographic Maps of the South Gate, Inglewood, Long Beach, and Torrance, California Quadrangles (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern. Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1896 / 1899 / 1902	1:62,500	The map is large scale of the area in the vicinity of the Property. No structures or other features are observable on the Property from this map. A creek appears adjacent to the north-east.
1923 / 1924; 1930	1:24,000	No structures or other features are observable on the Property. The Compton Sanitarium appears adjacent to the east. Redondo Boulevard appears adjacent to the north.
1937	1:24,000	The Property is not located on this map.
1942; 1943; 1947/1948	1:62,500 1:50,000	No structures are observable on the Property from this map. The city of Compton appears to the northeast. Compton Creek appears to the north-east.
1949/1950/1951; 1952; and 1964	1:24,000	No structures are observable on the Property from this map. Multiple buildings associated with the Compton Sanitarium appear adjacent to the east.
1972 and 1981	1:24,000	The Property and surrounding area appear similar to the previous topographic map. No structures are present on the Property.
2012	1:24,000	No site detail is shown on this map.

Name of maps and source: EDR, 2018.

4.4.6 Other Historical Sources

Stantec was not provided with any historical reports for the Property.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Ms. Alicia Jansen, Associate Scientist with Stantec on April 20, 2018. Access to the Property was provided by Ms. Kim Prijatel, Vice President of Development of City Ventures. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.

Weather conditions during the visit to the Property were clear and sunny. There were no weather related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located southeast corner of the intersection of West Compton Boulevard and South Dwight Avenue in the City of Compton, Los Angeles County, California. The surrounding area is a mixture of commercial, retail, restaurants, and residential properties.
Property Operations.	None observed.
Structures, Roads, Other Improvements:	The Property is consists of a vacant lot with no structures or roads present. The Property is surrounded by a locked fence.
Property Size (acres):	Approximately 2.45 acres.
Estimated % of Property Covered by Buildings and/or Pavement:	0%
Observed Current Property Use/Operations:	The Property is consists of a vacant lot with no structures or roads present.
Observed Evidence of Past Property Use(s):	None observed.

Sewage Disposal Method (and age):	City of Compton.
Potable Water Source:	City of Compton.
Electric Utility:	Southern California Edison.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

Given there were no structures on the Property this section is not applicable.

Observations	Description
Heating/Cooling Method:	N/A
Surface Stains or Corrosion:	N/A
Floor Drains and Sumps:	N/A
Other Interior Observations:	N/A

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	Household debris (furniture, dresser, headboard, etc) were observed outside the fenced gate on the southwestern corner of the Property.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	None observed.
Stormwater:	Surface water infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.
Wells:	None observed.
Septic Systems:	None observed.
Other Exterior Observations:	An unlabeled aboveground pipe was observed along the southcentral perimeter within the Property boundary.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches) which would indicate the presence of USTs was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed or reported to Stantec.

5.7 ABOVEGROUND STORAGE TANKS (AST)

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the presence of ASTs was discovered during this Phase I ESA.
Former ASTs:	None observed or reported to Stantec.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	West Compton Boulevard beyond which are retail, restaurants and commercial businesses.
SOUTH	West 151st Street beyond which are residential structures
EAST	South Kemp Avenue beyond which are residential structures
WEST	South Dwight Avenue beyond which are a liquor store and residential structures

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.

6.0 INTERVIEWS

The Property was vacant at the time of the site reconnaissance; therefore, no site interview was conducted. Given the historical records available, the lack of an on-site interview is not considered a significant data gap and is unlikely to impact the conclusions of this report.

7.0 EVALUATION

This section provides a summary overview of Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property.

Opinion 1: Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

Finding 2: An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property that may represent RECs, HRECs, or de minimis conditions.

Opinion 2: Based on one or more of the following reasons: distance from the Property, position of sites with respect to assumed groundwater flow direction, the native soils, and regulatory status, none of the sites identified in the in the environmental records search report are expected to affect soil or groundwater quality at the Property. The environmental records search identified no RECs, HRECs or de minimis conditions at or near the Property.

Finding 3: Recorded title records and search results for environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA.

Opinion 3: The lack of review of this information did not affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.

7.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	As of the date of this report no response has been received from multiple environmental agencies. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from the multiple environmental agencies would alter the conclusions or recommendations of this report.
Data Gaps From Historical Records Review:	None
Data Gaps From Interviews:	None
Other Data Gaps:	None

7.3 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 et seq.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

8.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

The age of the dwelling as follows: maximum risk is from paint applied before 1950.

There is severe risk from paint applied before 1960.

There is moderate risk from deteriorated paint applied before 1970.

There is slight risk from the paint that is intact but applied before 1977.

The condition of the painted surfaces.

The presence of children and certain types of households in the building.

Previously reported cases of lead poisoning in the building or area.

Given there are no structures on the Property, LBP is not an environmental concern.

8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition, in order to determine the need for compliance with EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Given there are no structures on the Property, ACMs are not considered an environmental concern for the Property.

8.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA on average indoor radon concentrations in the vicinity of the Property (http://www.epa.gov/radon/zonemap.html).

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)
Normally-occupied sub grade areas present? (i.e., basement apartments, offices, stores, etc.)		
None		

The property is located in Zone 2 and is considered to have moderate potential for radon. None of the 4 tests conducted in zip code 90220 (zip code for the Property) were above 4 pCi/L. To determine Property-specific radon levels, a radon survey would have to be conducted. However, based on the information available, Stantec concludes that radon appears unlikely to represent an environmental concern to the Property and recommends no further investigation regarding this issue.

8.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is not located within a 100-year or 500-year flood plain.

9.0 REFERENCES

American Society for Testing and Materials (ASTM) International, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2018, website http://www.consrv.ca.gov/dog/maps

California Geological Survey (CGS), 2018, website http://maps.conservation.ca.gov/cgs/fam/

Department of Toxic Substances and Control, 2018, website http://www.envirostor.dtsc.ca.gov/public/

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5253592.2s, dated April 10, 2018.

_____, Certified Sanborn Map Report, Inquiry Number 5253592.3, dated April 10, 2018.

_____, Historical Topographic Map Report, Inquiry Number 5253592.4, dated April 10, 2018

_____, Aerial Photo Decade Package, Inquiry Number 5253592.5, dated April 10, 2018.

_____, City Directory Abstract, Inquiry Number 5253592.6, dated April 10, 2018.

State Water Resource Control Board's Geotracker, 2018, website https://geotracker.waterboards.ca.gov/

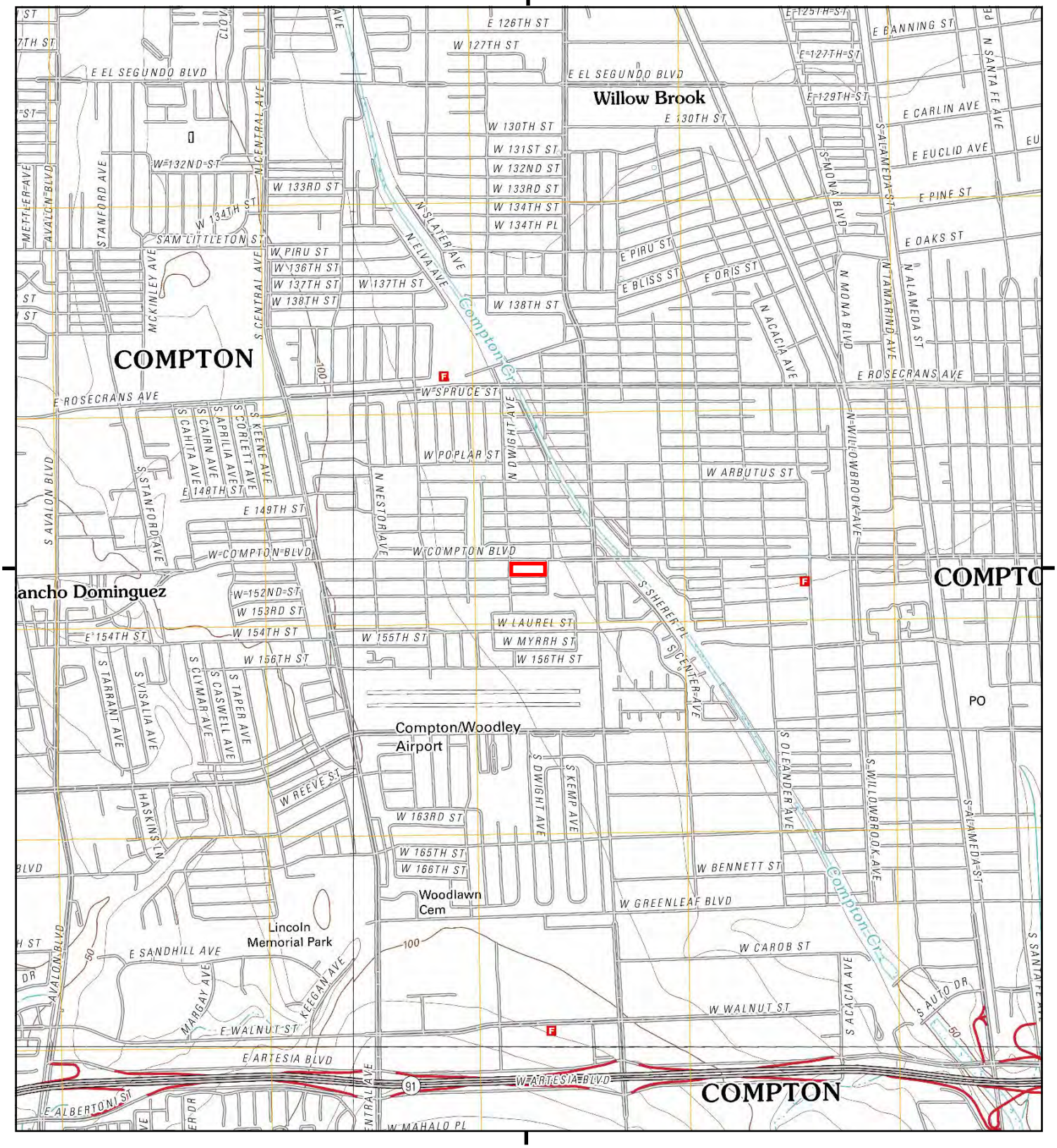
United States Geological Survey (USGS), 2012, South Gate, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

United States Geological Survey (USGS), 2018, website.
https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm

FIGURES

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

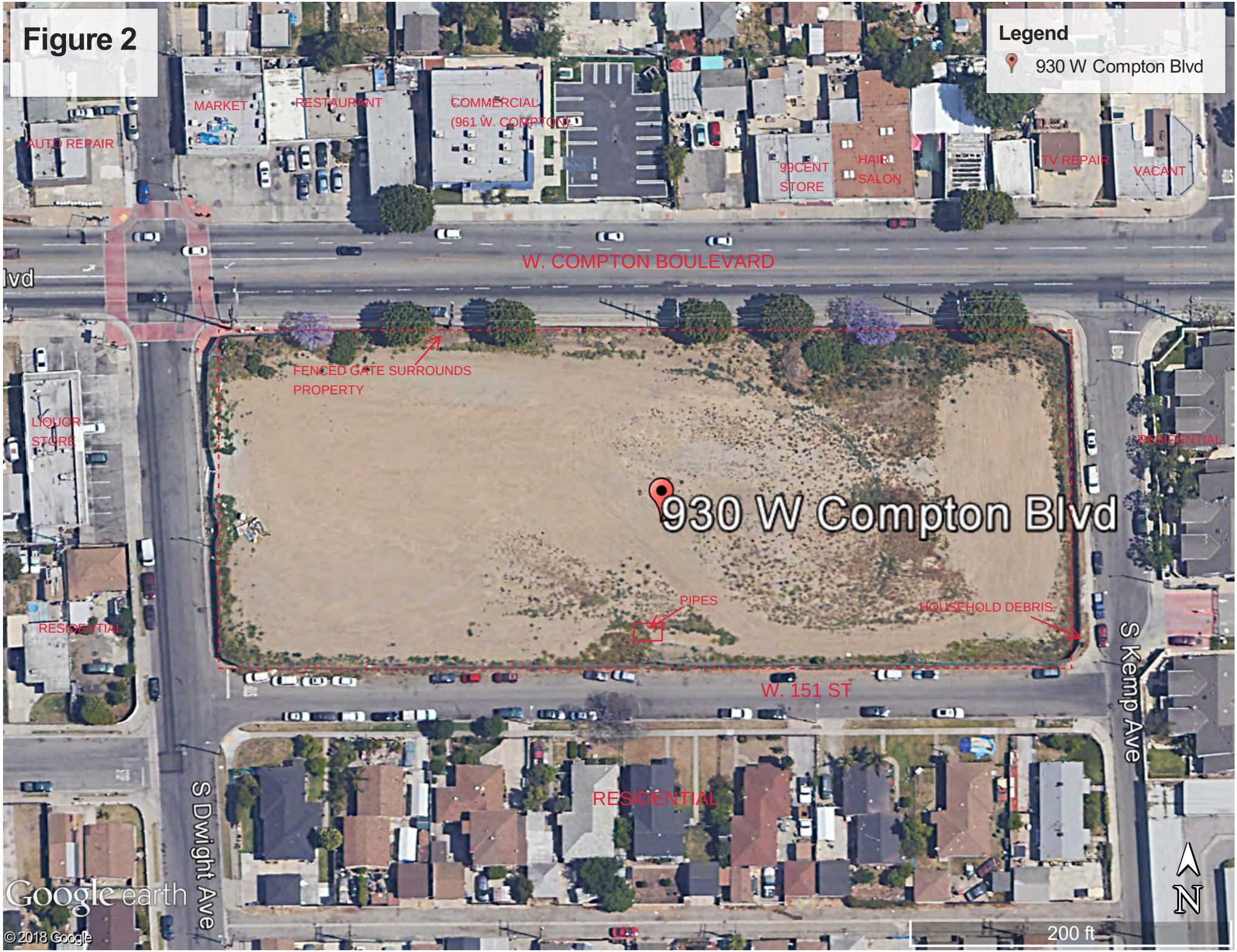


Figure 2
Legend
930 W Compton Blvd
MARKET
RESTAURANT
COMMERCIAL
(961 W. COMPTON)
AUTO REPAIR
99CENT
STORE
HAIR
SALON
TV REPAIR
VACANT
W. COMPTON BOULEVARD
FENCED GATE SURROUNDS
PROPERTY
LIQUOR
STORE
RESIDENTIAL
930 W Compton Blvd
PIPES
HOUSEHOLD DEBRIS
RESIDENTIAL
W. 151 ST
S Kemp Ave
S Dwight Ave
RESIDENTIAL
Google earth
© 2018 Google
N
200 ft

Appendix A PHOTOGRAPHS OF THE PROPERTY AND VICINITY

Photo #1 View of the Property looking west.

Photo #2 View of pipes on the south-central perimeter of the Property.

Photo #3 View of the debris left on the southeastern corner of the Property outside the Property gate at South Kemp Avenue and West 151st Street.

Photo #4 View of West 151st Street and residential structures to the south.

Photo #5 View of South Kemp Avenue beyond which are residential structures to the east.

Photo #6 View of South Dwight Avenue beyond which is a liquor market and residential to the west.

Photo #7 View of West Compton Boulevard beyond which are retail and restaurants to the north.

Photo #8 View of the Property looking north.

Appendix B STANTEC RESUMES

Alicia R Jansen CAC, LRCIA

Environmental Scientist

Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Indoor Air Quality Assessments*, San Jose, California (Staff)
Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)
Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)
Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)
Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)
Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)
Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)
Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Remedial Investigations & Assessments

Multiple Confidential Clients, Phase I Environmental Site Assessments (ESA), Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

Homebuilder, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I ESAs and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

** denotes projects completed with other firms*

Dion Monge

Project Scientist

Dion has extensive knowledge of underground storage tank investigations, Phase I and II environmental site assessment, groundwater monitoring and reporting, soil, soil vapor, and groundwater quality assessments, and testing for asbestos and lead based paint. His project experience is extensive and wide ranging and includes many types of soil, soil vapor, and groundwater assessment and monitoring for planned, existing, and former sites. Dion also has experience in testing fill soils placed on grading sites.

He has experience on redevelopment of former oil field sites that include submittal of construction site review plans, oil well mitigation (venting and casing alterations), abandonment of oil wells, and remedial investigations and remediation involving soil contamination.

Dion also has experience working with 1166 AQMD air monitoring on projects ranging from limited access dry cleaner excavations, solvent excavations, and petroleum excavations related to underground storage tank releases. Included in this type of monitoring is the assessment of a safe work environment for the contractors involved with this type of work.

He has considerable knowledge in asbestos and lead based paint sampling as a building inspector and lead sampling technician. Asbestos and lead based paint surveys have ranged from large office buildings to sampling highway bridges.

EDUCATION

BS, Soil Science, California Polytechnic University, Pomona, Pomona, California, 2004

Health & Safety Certification (29 CFR 1910.120),, 40-Hour OSHA Health & Safety Certification, Redlands, California, 2005

Health & Safety Annual Update Certification, 8-Hour OSHA, Redlands, California, 2009

First Aid/CPR, American Red Cross, Redlands, California, 2009

Certified Building Inspector, AHERA 8-Hour Refresher, Redlands, California, 2009

PROJECT EXPERIENCE

Asbestos, Lead Based Paint, and Hazardous Material Management

Haller Wash Bridge No. 54-0891R&L, San Bernardino County, California (Asbestos and Lead-Based Paint Sampling Assistant)

Dion conducted asbestos and lead based paint survey on highway bridge. He assisted with planning field operations, measuring bridge dimensions, and collecting samples. Tasks included sample collection, bridge measurements, and documentation.

Project Management Oversight

Magnolia Plaza, Fountain Valley, California

Dion is providing project management of soil, soil vapor, and quarterly groundwater sampling related to a solvent release at a former dry cleaning facility. Tasks include preparation of work plans for approval by the Regional Water Quality Control Board and oversight of field sampling, including lithologic logging, for soil and soil vapor investigations performed within a multi-tenant strip center. Additional tasks include preparation of investigative reports and quarterly groundwater monitoring reports. The site remains an open case and preparation of a work plan to use electrical resistive heating ("ERH") will be prepared in the coming weeks.

Dion Monge

Project Scientist

Former Superb Dry Cleaners, Anaheim, California
Dion performed field oversight, direction, and confirmation soil sampling of a limited access excavation within a former dry cleaner unit. Post excavation field activities included application of a barrier type floor sealant along with post excavation indoor air sampling. Remedial work led to regulatory closure being granted from the local agency.

Site Assessment

Proposed Friends Christian High School, Yorba Linda, California
Dion prepared preliminary site assessment (PSA) report for future private school site to identify recognized environmental conditions ("RECs") related to past property usage as an oil field with 21 oil wells abandoned prior to 1990. Completion of the PSA led to his management of the project through site closure. Field investigations and reporting by Dion included Phase II investigations, methane survey, oil well leak testing and venting, backfill and compaction (including soils testing), DOGGR Construction Site Review, and excavation and onsite management of more than 5,000 cubic yards of petroleum impacted soils.

SR-58 Widening, San Bernardino County, California
Dion performed Initial Site Assessment (ISA) for Caltran at Kramer Junction for the proposed widening of State Route 58. The ISA was performed in accordance with guidelines promulgated by the American Society for Testing and Materials (ASTM) and included historical research and coordination of permit/file reviews with local building/planning departments and environmental agencies. Dion's role included the field visit, observation documentation, agency reviews, and reporting.

Soil Sampling

Caltrans I-15, Task Order 28, Hesperia, California
Dion conducted a soil investigation for metals analysis alongside I-15 for disposal recommendations during construction of mortar-lined channels at several locations. He assisted with planning field operations and collected soil samples. Tasks included sample collection, preservation, and documentation.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Kyle has more than 28 years of professional experience—17 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developedl for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminates involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Enerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately $2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than $1 million. Total cost was less than $250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)
Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was $22 million. The case is settled and the closure of the site is pending.

Project Management
Liability and Property Management Consulting Services
Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development
Environmental Development Management and Review (Project Manager)
Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation
Design and Implementation of Biodegradation Programs*, California
Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems
Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manger)
Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*
Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*
Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial
Glendale Redevelopment Project, Glendale, California (Project Manager)
Kyle managed the assessment and remedial actions during the redevelopment of and industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was $450,000.00.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been $2.8 million to date.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

Appendix C USER PROVIDED RECORDS

Stantec Consulting Services Inc.
25864-F Business Center Drive, Redlands, CA 92374-4515
Phone: 909-335-6116
Fax: 909-335-6120

PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser,* or *contiguous property owner,* ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec Consulting Services Inc.

1. Property Information

   Property Name: Compton 1

   Property Address: 930 W. Compton Blvd.

   City: Compton State CA Zip _____

   Property Owner Name: Community Redevelopment Agency of Compton

   Property Owner Phone #: (310) 605-5697

2. Contact For Site Access

   Name: Leslie Nacionales-Tafoya

   Company/Organization/Title: City of Compton

   Phone # 310-605-5697 E-Mail Address: lnacionales-tafoya@comptoncity.org

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

   _____ Yes _X_ No

   If yes, describe or attach details of the lien _____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes _____X_____ No

If yes, describe or attach details of the limitations _____

_____

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____X_____ No

If yes, describe or attach details of your specialized knowledge or experience _____

_____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____X_____No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____Not applicable. User is not involved in a purchase of the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____Yes (describe) _____

_____

__X__No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

____Yes (describe) _____

_____

__X__No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

____Yes (describe) _____

_____

__X__No

Do you know of any environmental cleanups that have taken place at the property?

____Yes (describe) _____

_____

__X__No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of contamination at the property?

____Yes (describe) _____

_____

__X__No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

____Yes (describe) _____

_____

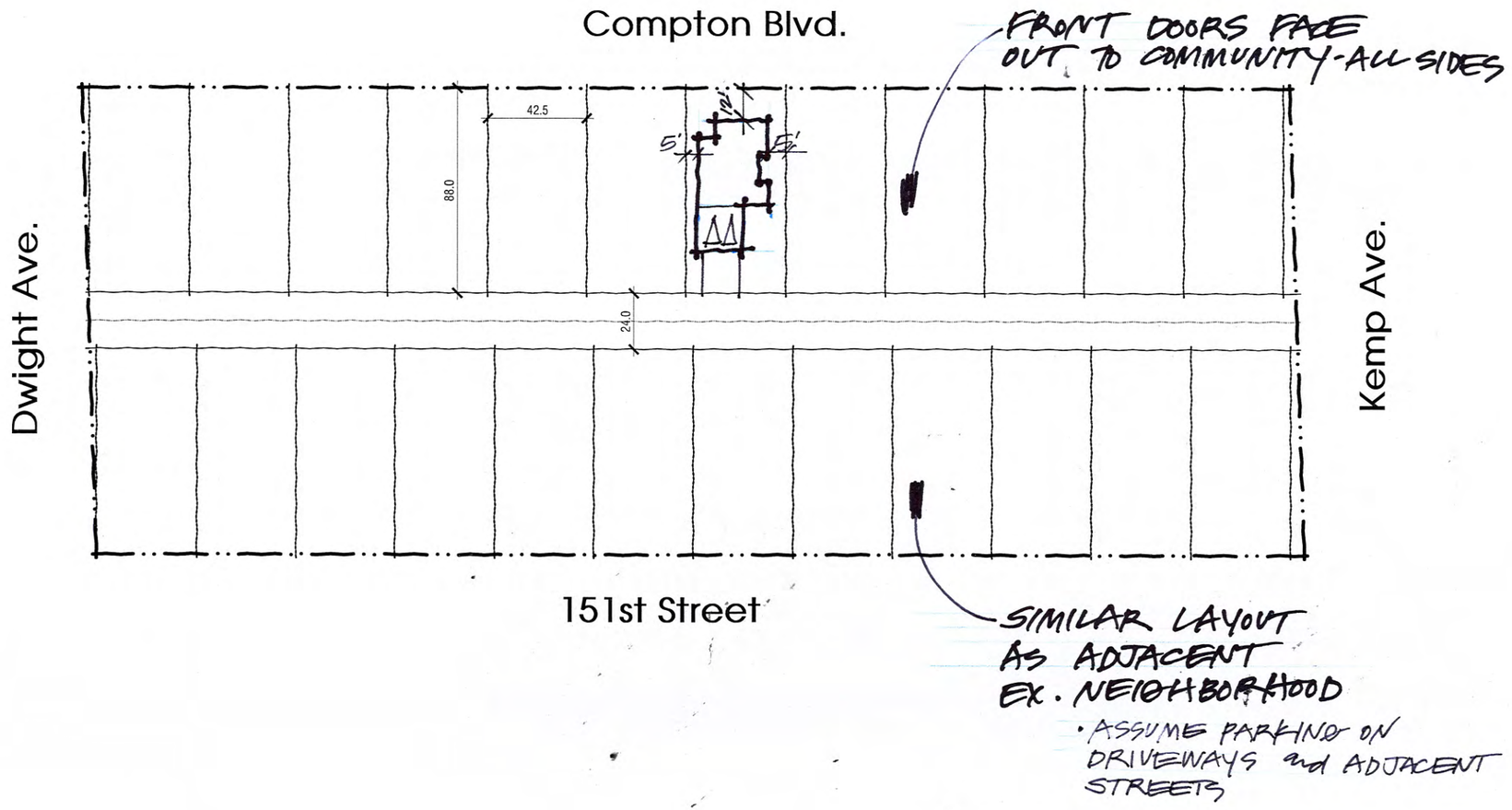
__X__No

Signature: _____

Name (printed): Kim Prijatel

Title: VP Development

Date: 4/10/18



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 42.5' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for Driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 1

0 15 30 60

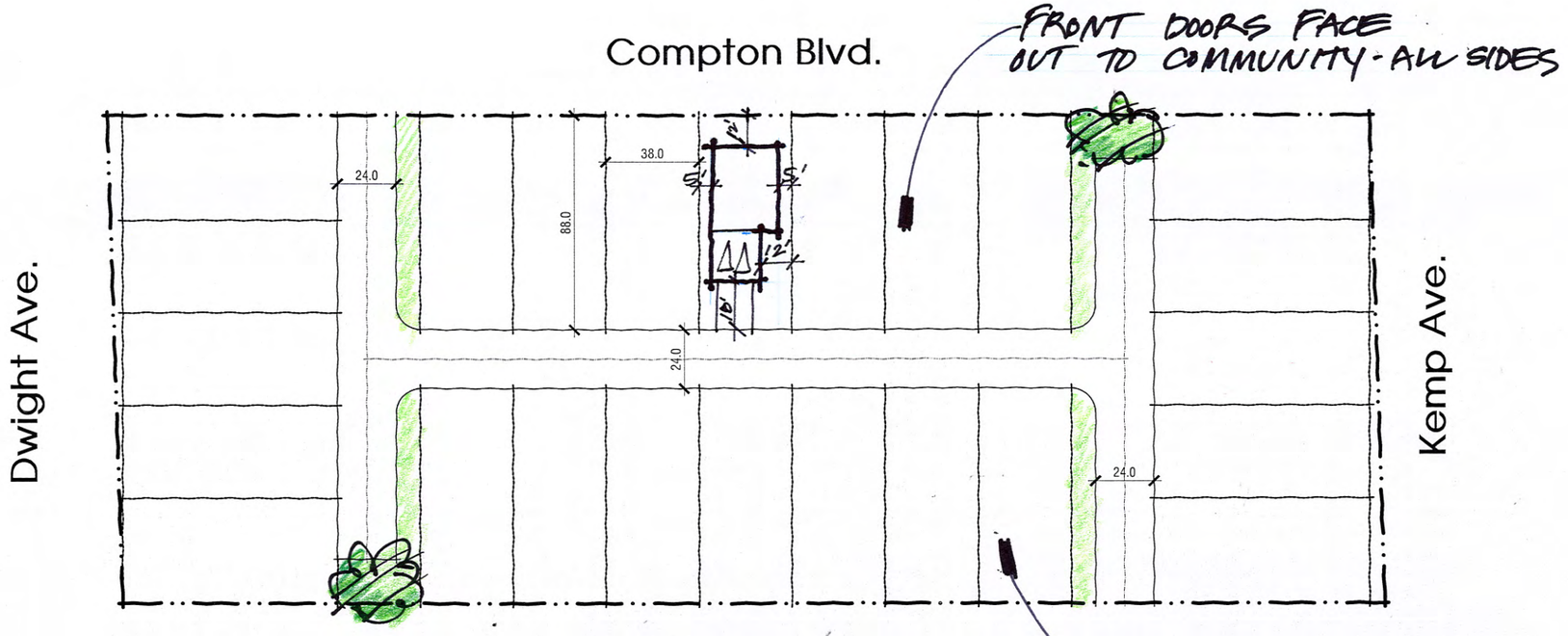
Temple and Gibson Site

Compton, CA

City Ventures

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.wharchitects.com fax 949 250 1529

2013039.00 February 6, 2013



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 38' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 2

Temple and Gibson Site

Compton, CA

City Ventures

0 15 30 60

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.whharchitects.com fax 949 250 1529

2013039.00 February 6, 2013

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.2s
April 11, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

930 COMPTON BOULEVARD
COMPTON, CA 90220

COORDINATES

Latitude (North):	33.8954860 - 33° 53' 43.74''
Longitude (West):	118.2409400 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
930 COMPTON BOULEVARD
COMPTON, CA 90220

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OFFICE OF STATE WIDE	930 W COMPTON BLVD	HAZNET		TP
A2	EXCEL CLEANERS	913 W COMPTON BLVD	EDR Hist Cleaner	Lower	60, 0.011, NE
A3	MAC S RADIATOR SERVI	929 W COMPTON	EDR Hist Auto	Lower	90, 0.017, NNE
A4	FORST & SON	945 W COMPTON BLVD	EDR Hist Auto	Lower	107, 0.020, North
B5	BLACKSHIRE & MARSHAL	1011 W COMPTON BLVD	RCRA NonGen / NLR, FINDS, ECHO	Higher	108, 0.020, WNW
6	FASHION CLEANERS	901 W COMPTON	EDR Hist Cleaner	Lower	139, 0.026, NE
B7	HOOPER'S CARPETS	1001 W COMPTON BLVD	UST	Higher	155, 0.029, WNW
B8	SINCLAIR C B	1001 W COMPTON BLV	EDR Hist Auto	Higher	162, 0.031, WNW
B9	HOOPER'S CARPET	1001 COMPTON BLVD W	LUST	Higher	162, 0.031, WNW
B10	EXOTIC MOTEL	1100 W COMPTON BLVD	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	266, 0.050, West
11	JOE JOHNSON/VACANT L	1205 W COMPTON BLVD	SWEEPS UST	Higher	473, 0.090, West
C12	COMPTON WOODLEY AIRP	901 WEST ALONDRA BLV	SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS...	Higher	1992, 0.377, SSE
C13	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
C14	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
D15	SHELL #204-1740-0304	803 ALONDRA BLVD W	LUST	Higher	2467, 0.467, SSE
D16	SHELL #204-1740-0304	803 ALONDRA	HIST CORTESE	Higher	2467, 0.467, SSE
17	JOHNSON CONTROLS INC	1707 WEST COMPTON BL	RCRA-SQG, LUST, SWEEPS UST, FINDS, ECHO, HAZNET,...	Higher	2514, 0.476, West
18	A & P GAS	1050 ALONDRA BLVD W	LUST	Higher	2571, 0.487, South
19	413 WEST COMPTON BOU	413 WEST COMPTON BOU	ENVIROSTOR	Lower	3274, 0.620, East
20	UNIFORM RENTAL SERVI	730 E. 139TH ST.	ENVIROSTOR	Lower	3698, 0.700, NNE
21	PLAZA CLEANERS	1904 W. ROSECRANS AV	ENVIROSTOR, DRYCLEANERS, EMI	Higher	3920, 0.742, WNW
22	CENTRAL AIRPORT		ENVIROSTOR	Higher	5205, 0.986, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
OFFICE OF STATE WIDE 930 W COMPTON BLVD COMPTON, CA 90220	HAZNET GEPAID: CAC002580652	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-SQG RCRA - Small Quantity Generators
RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
SLIC Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
AST Aboveground Petroleum Storage Tank Facilities
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory

DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- San Gabriel Valley Areas of Concern
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database

HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
EMI Emissions Inventory Data
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
LOS ANGELES CO. HMS HMS: Street Number List
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
UIC UIC Listing
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLAZA CLEANERS Facility Id: 19720019 Status: Refer: 1248 Local Agency	***1904 W. ROSECRANS AV***	***WNW 1/2 - 1 (0.742 mi.)***	***21***	***50***
CENTRAL AIRPORT Facility Id: 80000846 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.986 mi.)	22	52

Lower Elevation	Address	Direction / Distance	Map ID	Page
413 WEST COMPTON BOU Facility Id: 60001929 Facility Id: 60001914 Status: No Action Required Status: Inactive - Needs Evaluation	413 WEST COMPTON BOU	E 1/2 - 1 (0.620 mi.)	19	47
UNIFORM RENTAL SERVI Facility Id: 19720038 Status: Refer: 1248 Local Agency	730 E. 139TH ST.	NNE 1/2 - 1 (0.700 mi.)	20	49

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPET	1001 COMPTON BLVD W	WNW 0 - 1/8 (0.031 mi.)	B9	11
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000006793				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C13	24
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: R-08082 Global Id: T0603792989 Global Id: T0603704769 Global ID: T0603704769 Status: Case Closed				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C14	36
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-08082A Global ID: T0603792989 Status: Leak being confirmed				
SHELL #204-1740-0304	803 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.467 mi.)	D15	37
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-09002 Global Id: T0603703330 Global ID: T0603703330 Status: Case Closed				
JOHNSON CONTROLS INC	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 902200016 Global Id: T0603701244 Global ID: T0603701244 Status: Case Closed				
A & P GAS	1050 ALONDRA BLVD W	S 1/4 - 1/2 (0.487 mi.)	18	45
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000004565				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPETS Database: UST, Date of Government Version: 03/12/2018 Facility Id: LACoFA	1001 W COMPTON BLVD	WNW 0 - 1/8 (0.029 mi.)	B7	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Status: A Tank Status: A Comp Number: 14599	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***
JOE JOHNSON/VACANT L Status: A Comp Number: 13335	1205 W COMPTON BLVD	W 0 - 1/8 (0.090 mi.)	11	14

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Facility Id: 19009158 Status: A	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLACKSHIRE & MARSHAL	***1011 W COMPTON BLVD***	***WNW 0 - 1/8 (0.020 mi.)***	***B5***	***9***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMPTON WOODLEY AIRP Reg Id: R-08082	***901 WEST ALONDRA BLV***	***SSE 1/4 - 1/2 (0.377 mi.)***	***C12***	***15***
SHELL #204-1740-0304	803 ALONDRA	SSE 1/4 - 1/2 (0.467 mi.)	D16	39
JOHNSON CONTROLS INC Reg Id: 902200016	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SINCLAIR C B	1001 W COMPTON BLV	WNW 0 - 1/8 (0.031 mi.)	B8	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
MAC S RADIATOR SERVI	929 W COMPTON	NNE 0 - 1/8 (0.017 mi.)	A3	9

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORST & SON	945 W COMPTON BLVD	N 0 - 1/8 (0.020 mi.)	A4	9

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

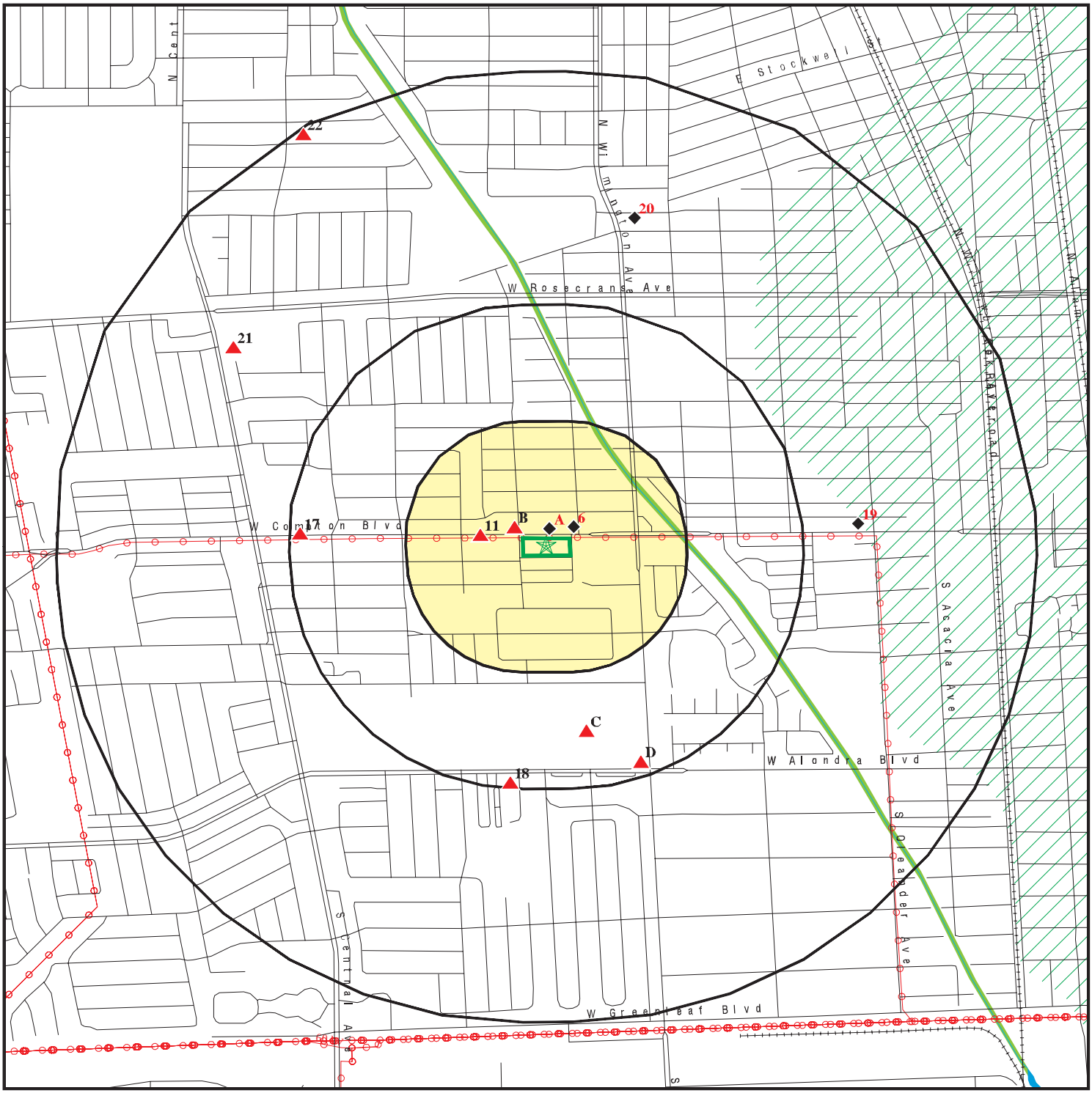
Lower Elevation	Address	Direction / Distance	Map ID	Page
EXCEL CLEANERS	913 W COMPTON BLVD	NE 0 - 1/8 (0.011 mi.)	A2	8
FASHION CLEANERS	901 W COMPTON	NE 0 - 1/8 (0.026 mi.)	6	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
KING/DREW MEDICAL MAGNET	LUST, HIST CORTESE
	CDL
	CDL
	CDL
DOMINGUEZ ENERGY REYES LEASE - ARE	SLIC

OVERVIEW MAP - 5253592.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard ADDRESS: 930 Compton Boulevard Compton CA 90220 LAT/LONG: 33.895486 / 118.24094	CLIENT: Stantec CONTACT: Alicia Jansen INQUIRY #: 5253592.2s DATE: April 11, 2018 8:09 am

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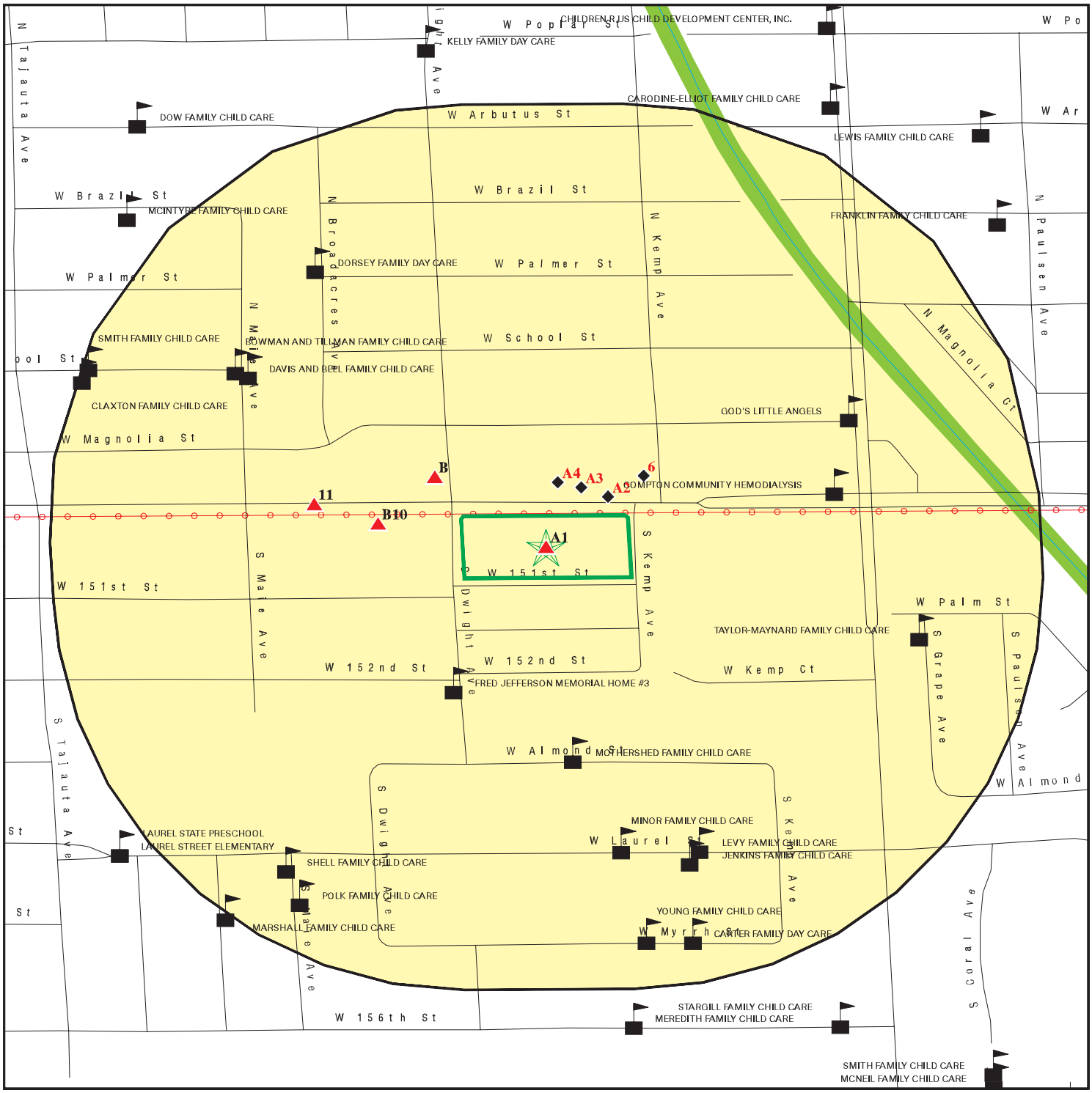
DETAIL MAP - 5253592.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard	CLIENT: Stantec
ADDRESS: 930 Compton Boulevard Compton CA 90220	CONTACT: Alicia Jansen INQUIRY #: 5253592.2s
LAT/LONG: 33.895486 / 118.24094	DATE: April 11, 2018 8:10 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	4	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	0	5	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	0	NR	NR	NR	2
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		1	11	0	8	4	0	24

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **OFFICE OF STATE WIDE HEALTH PLANNING & DEVELOPMENT** **HAZNET** **S112939552**
Target **930 W COMPTON BLVD** **N/A**
Property **COMPTON, CA 90220**

Site 1 of 4 in cluster A

Actual: **82 ft.**

HAZNET:

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	CAR000156125
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Recycler
Tons:	0.55
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0.84
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A2 **EXCEL CLEANERS** **EDR Hist Cleaner** **1009125842**
NE **913 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA 90220**
0.011 mi.
60 ft. **Site 2 of 4 in cluster A**

Relative: **Lower**

EDR Hist Cleaner

Actual: **81 ft.**

Year:	Name:	Type:
1962	EXCEL CLEANERS	Not reported

A3 **MAC S RADIATOR SERVICE** **EDR Hist Auto** **1009048091**
NNE **929 W COMPTON** **N/A**
< 1/8 **COMPTON, CA**
0.017 mi.
90 ft. **Site 3 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1951 MAC S RADIATOR SERVICE AUTOMOBILE RADIATOR REPAIRERS

A4 **FORST & SON** **EDR Hist Auto** **1009016987**
North **945 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA**
0.020 mi.
107 ft. **Site 4 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1947 FORST & SON AUTOMOBILE REPAIRING
1947 FORST & SON AUTOMOBILE REPAIRING

B5 **BLACKSHIRE & MARSHALL** **RCRA NonGen / NLR** **1000173572**
WNW **1011 W COMPTON BLVD** **FINDS** **CAD981685076**
< 1/8 **COMPTON, CA 90220** **ECHO**
0.020 mi.
108 ft. **Site 1 of 5 in cluster B**

Relative: RCRA NonGen / NLR:
Higher

Actual: Date form received by agency: 10/27/1986
83 ft. Facility name: BLACKSHIRE & MARSHALL
Facility address: 1011 W COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981685076
Mailing address: W COMPTON BLVD
COMPTON, CA 90220
Contact: ENVIRONMENTAL MANAGER
Contact address: 1011 W COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-632-9228
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BLACKSHIRE & MARSHALL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner

BLACKSHIRE & MARSHALL (Continued) **1000173572**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751996

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000173572
Registry ID: 110002751996
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002751996

6
NE
< 1/8
0.026 mi.
139 ft.

FASHION CLEANERS
901 W COMPTON
COMPTON, CA 90220

EDR Hist Cleaner **1009125864**
N/A

Relative:
Lower

Actual:
80 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1962	FASHION CLEANERS	Not reported

B7
WNW
< 1/8
0.029 mi.
155 ft.

HOOPER'S CARPETS
1001 W COMPTON BLVD
COMPTON, CA 90220
Site 2 of 5 in cluster B

UST **U004265836**
N/A

Relative:
Higher

Actual:
83 ft.

UST:

Facility ID:	LACoFA
Permitting Agency:	Los Angeles County Fire Department
Latitude:	33.8961
Longitude:	-118.24212

B8
WNW
< 1/8
0.031 mi.
162 ft.

SINCLAIR C B
1001 W COMPTON BLVD
COMPTON, CA
Site 3 of 5 in cluster B

EDR Hist Auto **1009015805**
N/A

Relative:
Higher

Actual:
83 ft.

EDR Hist Auto

Year:	Name:	Type:
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1951	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
2010	COOPERS AUTO	General Automotive Repair Shops

B9
WNW
< 1/8
0.031 mi.
162 ft.

HOOPER'S CARPET
1001 COMPTON BLVD W
COMPTON, CA 90220
Site 4 of 5 in cluster B

LUST **S117896754**
N/A

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006793
Global Id:	T10000006793
Latitude:	33.8961
Longitude:	-118.24211
Status:	Completed - Case Closed
Status Date:	01/25/2018
Case Worker:	MB
RB Case Number:	R-14568
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported

HOOPER'S CARPET (Continued) **S117896754**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000006793
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Reported

Global Id: T10000006793
Action Type: RESPONSE
Date: 06/08/2015
Action: Other Report / Document

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 06/02/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 01/25/2018
Action: Closure/No Further Action Letter

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Began

Global Id: T10000006793
Action Type: RESPONSE
Date: 08/14/2017
Action: Site Assessment Report

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 03/15/2017
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 05/04/2015
Action: Referral to Regional Board

Global Id: T10000006793
Action Type: RESPONSE

HOOPER'S CARPET (Continued) **S117896754**

Date: 02/22/2016
Action: Soil and Water Investigation Workplan

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 11/20/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 10/12/2017
Action: Notification - Preclosure

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Discovery

LUST:
Global Id: T10000006793
Status: Open - Case Begin Date
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Site Assessment
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Eligible for Closure
Status Date: 10/12/2017

Global Id: T10000006793
Status: Completed - Case Closed
Status Date: 01/25/2018

B10 **EXOTIC MOTEL** **SWEEPS UST** **S101584168**
West **1100 W COMPTON BLVD** **CA FID UST** **N/A**
< 1/8 **COMPTON, CA 90220** **LOS ANGELES CO. HMS**
0.050 mi.
266 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
84 ft.

SWEEPS UST:
Status: Active
Comp Number: 14599
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-10-89
Action Date: 11-10-89
Created Date: 11-10-89
Owner Tank Id: UL-E-583756
SWRCB Tank Id: 19-000-014599-000001
Tank Status: A
Capacity: 12000
Active Date: 11-10-89
Tank Use: OIL
STG: P

EXOTIC MOTEL (Continued) **S101584168**

Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19009158
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135671251
Mail To: Not reported
Mailing Address: 866 CALIFORNIA AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: COMPTON 90220
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 014105-014599
Facility Type: Not reported
Facility Status: Removed
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

11
West
< 1/8
0.090 mi.
473 ft.

JOE JOHNSON/VACANT LOT **SWEEPS UST** **S106927840**
1205 W COMPTON BLVD **N/A**
INGLEWOOD, CA

Relative: Higher

Actual: 85 ft.

SWEEPS UST:
Status: Active
Comp Number: 13335
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

C12
SSE
1/4-1/2
0.377 mi.
1992 ft.

Relative:
Higher

Actual:
87 ft.

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A &
901 WEST ALONDRA BLVD
COMPTON, CA 90220

Site 1 of 3 in cluster C

Database(s): SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS ANGELES CO. HMS, NPDES

EDR ID Number: U001562688
EPA ID Number: N/A

SWEEPS UST:

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	3

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: 6
SWRCB Tank Id: 19-000-013049-000006
Tank Status: A
Capacity: 1000
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Created Date: 06-30-89
Owner Tank Id: 7
SWRCB Tank Id: 19-000-013049-000007
Tank Status: A
Capacity: 500
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00027432
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027432.pdf
Region: STATE
Facility ID: 00000041390
Facility Type: Other
Other Type: GENERAL AVIATION AIR
Contact Name: Not reported
Telephone: 2136318140
Owner Name: COUNTY OF LOS ANGELES, DEPT. O
Owner Address: 550 S. VERMONT
Owner City,St,Zip: LOS ANGELES, CA 90020
Total Tanks: 0008

Tank Num: 001
Container Num: 1
Year Installed: 1970
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1970
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: 06

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1970
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	7
Year Installed:	1970
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	008
Container Num:	8
Year Installed:	1970
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	None

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Click here for Geo Tracker PDF:

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	1745
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-08082

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	007662-013049
Facility Type:	0
Facility Status:	Permit
Area:	2P
Permit Number:	00005237T
Permit Status:	Permit

Region:	LA
Permit Category:	Not reported
Facility Id:	007662-050956
Facility Type:	Not reported
Facility Status:	OPEN
Area:	2P
Permit Number:	Not reported
Permit Status:	Not reported

Region:	LA
Permit Category:	I
Facility Id:	007662-I08082
Facility Type:	01
Facility Status:	Closed
Area:	2P
Permit Number:	000010432
Permit Status:	Closed

Region:	LA
Permit Category:	I

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Facility Id: 007662-I08082
Facility Type: 01
Facility Status: Closed
Area: 2P
Permit Number: 00010433J
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 007662-008082
Facility Type: Not reported
Facility Status: OPEN
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	490554
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C381587
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/30/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Department of Public Works
Discharge Address:	PO Box 1460
Discharge City:	Alhambra
Discharge State:	California
Discharge Zip:	91802-1460
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	191256
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/25/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	American Airport Corp
Discharge Address:	2425 Olympic Blvd
Discharge City:	Santa Monica
Discharge State:	California
Discharge Zip:	90404
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	191256
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	09/25/2001
STATUS CODE NAME:	Active
STATUS DATE:	09/25/2001
PLACE SIZE:	77
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Lionardo Iniguez
FACILITY CONTACT TITLE:	Assistant Manager
FACILITY CONTACT PHONE:	310-631-8140
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	liniguez@americanairports.net
OPERATOR NAME:	American Airport Corp
OPERATOR ADDRESS:	2425 Olympic Blvd
OPERATOR CITY:	Santa Monica
OPERATOR STATE:	California
OPERATOR ZIP:	90404
OPERATOR CONTACT NAME:	Carlos Diaz
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-631-8140
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cdiaz@americanairports.net
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-631-8140
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	no
CERTIFIER NAME:	Carlos Diaz
CERTIFIER TITLE:	Airport Manager
CERTIFICATION DATE:	07-JUN-16
PRIMARY SIC:	4581-Airports, Flying Fields, and Airport Terminal Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

C13 **LA CO DPW COMPTON AIRPORT** **LUST** **S105034973**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**

Actual: **87 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792989
Global Id:	T0603792989
Latitude:	33.888737
Longitude:	-118.239565
Status:	Completed - Case Closed
Status Date:	08/25/2015
Case Worker:	JW
RB Case Number:	R-08082A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

LUST:

Global Id:	T0603792989
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603792989
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Phone Number: 6264583507

LUST:

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/03/2013
Action: Staff Letter

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/25/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 02/28/2003
Action: 13267 Requirement

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/14/2003
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: Other
Date: 06/15/2000
Action: Leak Reported

Global Id: T0603792989
Action Type: RESPONSE
Date: 09/15/2005
Action: Well Installation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: Other
Date: 10/17/1998
Action: Leak Discovery

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 07/28/2006
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2004
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: Closure/No Further Action Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/14/2012
Action: Remedial Progress Report

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/16/2001
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/03/2001
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2004
Action: Sensitive Receptor Survey Report

Global Id: T0603792989
Action Type: REMEDIATION
Date: 04/01/2009
Action: Soil Vapor Extraction (SVE)

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 03/28/2014
Action: Notification - Preclosure

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

LUST:
Global Id: T0603792989
Status: Open - Case Begin Date
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 02/25/1999

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Verification Monitoring
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 07/24/2000

Global Id: T0603792989
Status: Open - Remediation
Status Date: 01/17/2006

Global Id: T0603792989
Status: Open - Remediation
Status Date: 07/28/2006

Global Id: T0603792989
Status: Open - Eligible for Closure
Status Date: 06/10/2014

Global Id: T0603792989
Status: Completed - Case Closed
Status Date: 08/25/2015

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704769
Global Id:	T0603704769
Latitude:	33.888675
Longitude:	-118.239369
Status:	Completed - Case Closed
Status Date:	12/16/1994
Case Worker:	JOA
RB Case Number:	R-08082
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603704769
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704769
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704769
Action Type:	Other
Date:	02/27/1992
Action:	Leak Reported

LUST:

Global Id:	T0603704769
Status:	Open - Case Begin Date
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Open - Site Assessment
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Completed - Case Closed
Status Date:	12/16/1994

LUST REG 4:

Region:	4

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704769	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/27/1992
Date Leak Record Entered:	6/8/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		3/2/1992
Date the Case was Closed:		12/16/1994
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2624.92858702247185499175124 26
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		2/27/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	33.8885242 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

C14 **LA CO DPW COMPTON AIRPORT** **LUST** **U002281402**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
87 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082A	
Status:	Leak being confirmed	
Substance:	Perchlorethylene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		OT
Global ID:	T0603792989	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19000	
Cross Street:	WILMINGTON AVE	
Enforcement Type:	DLSEL	
Date Leak Discovered:	10/17/1998	
Date Leak First Reported:		6/15/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	7/24/2000	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/20/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Repair Tank	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	LA CO. PUBLIC WORKS	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2726.537498147868149698838 4725
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		3/7/1991
Preliminary Site Assessment Began:		2/25/1999
Pollution Characterization Began:		6/15/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		6/15/2000
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		6.2
Hist Max MTBE Conc in Soil:		1.39
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	REZA IZADI	
RP Address:	900 S. FREMONT AVE.	
Program:	LUST	
Lat/Long:	33.888737 / -1	
Local Agency Staff:	Not reported	

LA CO DPW COMPTON AIRPORT (Continued) **U002281402**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	37PPB PCE IN GW, NEED FULL REPORTS FOR LOW RISK REVIEW.

D15 **SHELL #204-1740-0304** **LUST** **S102436991**
SSE **803 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.467 mi.
2467 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
85 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703330
Global Id:	T0603703330
Latitude:	33.888781
Longitude:	-118.23741
Status:	Completed - Case Closed
Status Date:	10/16/1996
Case Worker:	YR
RB Case Number:	I-09002
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703330
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703330
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703330
Action Type:	Other
Date:	04/22/1993
Action:	Leak Reported

Global Id:	T0603703330
Action Type:	Other

SHELL #204-1740-0304 (Continued) **S102436991**

Date: 04/14/1993
Action: Leak Discovery

LUST:
Global Id: T0603703330
Status: Open - Case Begin Date
Status Date: 04/14/1993

Global Id: T0603703330
Status: Completed - Case Closed
Status Date: 10/16/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09002
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703330
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: WILMINGTON AVE
Enforcement Type: Not reported
Date Leak Discovered: 4/14/1993
Date Leak First Reported: 4/22/1993
Date Leak Record Entered: 3/8/1993
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/3/1997
Date the Case was Closed: 10/16/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2289.1109250912564268131725747
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported

SHELL #204-1740-0304 (Continued) **S102436991**

Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL PRODUCTS CO
RP Address: 3611 S HARBOR BLVD, SUITE 160, SANTA ANA CA 92704
Program: LUST
Lat/Long: 33.8887692 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 03/03/97 - WELL ABANDONMENT REPORT

D16
SSE
1/4-1/2
0.467 mi.
2467 ft.

SHELL #204-1740-0304
803 ALONDRA
COMPTON, CA 90220

Site 2 of 2 in cluster D

HIST CORTESE **S105126313**
N/A

Relative:
Higher

Actual:
85 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: Not reported
Reg By: Not reported
Reg Id: Not reported

17
West
1/4-1/2
0.476 mi.
2514 ft.

JOHNSON CONTROLS INC EPSD
1707 WEST COMPTON BLVD
COMPTON, CA 90220

RCRA-SQG **1000320800**
LUST **CAD981575061**
SWEEPS UST
FINDS
ECHO
HAZNET
HIST CORTESE
WDS

Relative:
Higher

Actual:
98 ft.

RCRA-SQG:
Date form received by agency: 11/04/1986
Facility name: JOHNSON CONTROLS INC EPSD
Facility address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981575061
Mailing address: P O BOX 4309
COMPTON, CA 90224
Contact: ENVIRONMENTAL MANAGER
Contact address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-537-7200
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOHNSON CONTROLS INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701244
Global Id:	T0603701244
Latitude:	33.896596
Longitude:	-118.250498

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Status: Completed - Case Closed
Status Date: 09/05/1996
Case Worker: YR
RB Case Number: 902200016
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701244
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701244
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701244
Action Type: Other
Date: 03/17/1986
Action: Leak Reported

LUST:
Global Id: T0603701244
Status: Open - Case Begin Date
Status Date: 03/17/1986

Global Id: T0603701244
Status: Open - Site Assessment
Status Date: 06/10/1988

Global Id: T0603701244
Status: Completed - Case Closed
Status Date: 09/05/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902200016
Status: Case Closed

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603701244	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CENTRAL	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/17/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/19/1998
Date the Case was Closed:		9/5/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	FORMER	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1246.62015003768946946278445 93
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/10/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOHNSON CONTROLS, INCORPORATED	
RP Address:	P.O. BOX 4309, COMPTON, CA 90224	
Program:	LUST	
Lat/Long:	33.8959122 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	*PLAN IS INADEQUATE: MORE INFORMATION IS NEEDED TEST INDICATE AIR & BOIREMEDIATION OPTIMUM TREATMENTASSIGNED CASE TO EH	15AUG95

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

SWEEPS UST:

Status:	Active
Comp Number:	10349
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

FINDS:

Registry ID: 110002720011

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000320800
Registry ID:	110002720011
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002720011

HAZNET:

envid:	1000320800
Year:	1995
GEPAID:	CAD981575061
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	P O BOX 4309
Mailing City,St,Zip:	COMPTON, CA 902240000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Tons: 2.5228
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000320800
Year: 1993
GEPAID: CAD981575061
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 4309
Mailing City,St,Zip: COMPTON, CA 902240000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 1.0425
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902200016

WDS:
Facility ID: Los Angeles River 191274001
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 4
Facility Telephone: 7144764321
Facility Contact: Ali Kashani
Agency Name: JOHNSON CONTROLS INC.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 3317
SIC Code 2: Not reported
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: CNWTRS
Waste Type2: H
Waste2: Contaminated Ground Water
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Secondary Waste: Contaminated Soil
Secondary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

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18 **A & P GAS** **LUST** **S113186799**
South **1050 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.487 mi.
2571 ft.

Relative: **Higher**

Actual: **92 ft.**

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004565
Global Id: T10000004565
Latitude: 33.888225547014
Longitude: -118.242279589176
Status: Completed - Case Closed
Status Date: 09/06/2016
Case Worker: AT
RB Case Number: R-14686
Local Agency: LOS ANGELES COUNTY
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Soil, Under Investigation
Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Toluene, Xylene
Site History: Not reported

LUST:
Global Id: T10000004565
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T10000004565
Contact Type: Local Agency Caseworker
Contact Name: LUKE MITCHELL
Organization Name: LOS ANGELES COUNTY

A & P GAS (Continued) **S113186799**

Address: 900 S Fremont Ave
City: ALHAMBRA
Email: lmitchell@dpw.lacounty.gov
Phone Number: 6264583510

LUST:
Global Id: T10000004565
Action Type: Other
Date: 01/31/2013
Action: Leak Reported

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/09/2013
Action: Staff Letter

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 03/13/2013
Action: Referral to Regional Board

Global Id: T10000004565
Action Type: REMEDIATION
Date: 10/09/2012
Action: Excavation

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Stopped

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/24/2013
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 09/06/2016
Action: Closure/No Further Action Letter

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Began

Global Id: T10000004565
Action Type: RESPONSE
Date: 07/05/2016
Action: Correspondence

Global Id: T10000004565
Action Type: RESPONSE
Date: 03/29/2013
Action: Site Assessment Report

Global Id: T10000004565

A & P GAS (Continued) **S113186799**

Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Discovery

LUST:
Global Id: T10000004565
Status: Open - Case Begin Date
Status Date: 10/09/2012

Global Id: T10000004565
Status: Open - Assessment & Interim Remedial Action
Status Date: 01/30/2013

Global Id: T10000004565
Status: Open - Eligible for Closure
Status Date: 04/12/2013

Global Id: T10000004565
Status: Completed - Case Closed
Status Date: 09/06/2016

19
East
1/2-1
0.620 mi.
3274 ft.

413 WEST COMPTON BOULEVARD **ENVIROSTOR** **S113883342**
413 WEST COMPTON BOULEVARD **N/A**
COMPTON, CA 90220

Relative:
Lower

Actual:
70 ft.

ENVIROSTOR:
Facility ID: 60001929
Status: No Action Required
Status Date: 07/09/2014
Site Code: 301635
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Maryam Tasnif-Abbasi
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.89621
Longitude: -118.2293
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301635
Alias Type: Project Code (Site Code)
Alias Name: 60001929
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/28/2014
Comments: Tech Memo Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/12/2013
Comments: Start Work Order issued on 11/12/2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/29/2013
Comments: Contract Fully Executed. Contract Term is 11/1/2013 to 04/30/2014.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 60001914
Status: Inactive - Needs Evaluation
Status Date: 05/29/2014
Site Code: 301582
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Lead Agency:	SMBRP
Program Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	64
Senate:	Not reported
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301582
Alias Type:	Project Code (Site Code)
Alias Name:	60001914
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	01/02/2014
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

20
NNE
1/2-1
0.700 mi.
3698 ft.

UNIFORM RENTAL SERVICES **ENVIROSTOR** **S106797587**
730 E. 139TH ST. **N/A**
COMPTON, CA 90222

Relative:
Lower

Actual:
78 ft.

ENVIROSTOR:

Facility ID:	19720038
Status:	Refer: 1248 Local Agency
Status Date:	09/06/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned

UNIFORM RENTAL SERVICES (Continued) **S106797587**

Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90568
Longitude: -118.2376
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720038
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

21
WNW
1/2-1
0.742 mi.
3920 ft.

PLAZA CLEANERS
1904 W. ROSECRANS AVE.
COMPTON, CA 90220

ENVIROSTOR
DRYCLEANERS
EMI

S103638397
N/A

Relative:
Higher

Actual:
103 ft.

ENVIROSTOR:
Facility ID: 19720019
Status: Refer: 1248 Local Agency
Status Date: 09/07/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO

PLAZA CLEANERS (Continued) **S103638397**

Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90199
Longitude: -118.2517
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DRYCLEANERS:
EPA Id: CAL000025358
NAICS Code: 812331
NAICS Description: Linen Supply
SIC Code: 7213
SIC Description: Linen Supply
Create Date: 05/10/1990
Facility Active: No
Inactive Date: 12/05/2016
Facility Addr2: Not reported
Owner Name: CHUN CHOONG CHA
Owner Address: 1904 W ROSECRANS
Owner Address 2: Not reported
Owner Telephone: 3106325765
Contact Name: CHOONG CHUN
Contact Address: 1904 W ROSECRANS
Contact Address 2: Not reported
Contact Telephone: 3106325765
Mailing Name: Not reported
Mailing Address 1: 1904 W ROSECRANS
Mailing Address 2: Not reported
Mailing City: COMPTON
Mailing State: CA
Mailing Zip: 902200000
Owner Fax: 0000000000
Region Code: 3

PLAZA CLEANERS (Continued) **S103638397**

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

22
NNW
1/2-1
0.986 mi.
5205 ft.

CENTRAL AIRPORT **ENVIROSTOR** **S107736100**
N/A

COMPTON, CA

Relative:
Higher

Actual:
91 ft.

ENVIROSTOR:

Facility ID:	80000846
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35

CENTRAL AIRPORT (Continued) **S107736100**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.90833
Longitude: -118.25
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996700
Alias Type: Federal Facility ID
Alias Name: J09CA7144
Alias Type: INPR
Alias Name: 80000846
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S106386953	DOMINGUEZ ENERGY REYES LEASE - ARE	WILMINGTON	90746	SLIC
COMPTON	S107538181		CORNER OF PINE ST AND COMPTON		CDL
COMPTON	S117037728		NW CORNER OF W ROSECRANS AVE &	90222	CDL
COMPTON	S107540291		POLICE ALLEY BEHIND 637 W COMP	90220	CDL
WILLOWBROOK	S102432239	KING/DREW MEDICAL MAGNET	COMPTON AVE	90059	LUST, HIST CORTESE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/02/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/26/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/16/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 46

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/08/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/29/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 51

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/06/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 12

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 20

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 50

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/15/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 64

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 29
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 16
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

930 COMPTON BOULEVARD
930 COMPTON BOULEVARD
COMPTON, CA 90220

TARGET PROPERTY COORDINATES

Latitude (North):	33.895486 - 33° 53' 43.75''
Longitude (West):	118.24094 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

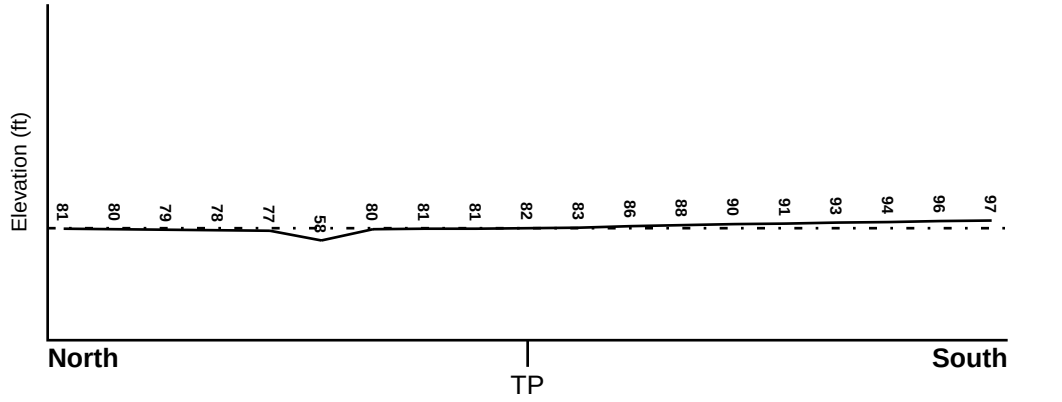
TOPOGRAPHIC INFORMATION

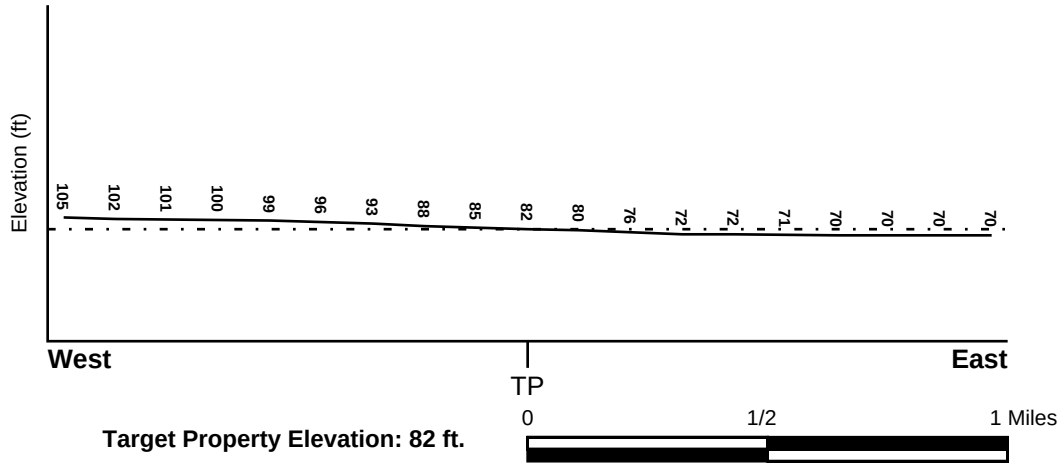
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 82 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1815F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1795F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SOUTH GATE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
25	1/2 - 1 Mile NE	Not Reported
1G	1/2 - 1 Mile NE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000138868	1/4 - 1/2 Mile NNW
2	USGS40000138856	1/4 - 1/2 Mile NE
A3	USGS40000138863	1/4 - 1/2 Mile NNW
B4	USGS40000138825	1/4 - 1/2 Mile ESE
B5	USGS40000138821	1/4 - 1/2 Mile ESE
B6	USGS40000138820	1/4 - 1/2 Mile ESE
B7	USGS40000138822	1/4 - 1/2 Mile ESE
B8	USGS40000138824	1/4 - 1/2 Mile ESE
B9	USGS40000138823	1/4 - 1/2 Mile ESE
16	USGS40000138860	1/2 - 1 Mile WNW
D17	USGS40000138790	1/2 - 1 Mile South
20	USGS40000138909	1/2 - 1 Mile NNW
21	USGS40000138912	1/2 - 1 Mile NNE
22	USGS40000138803	1/2 - 1 Mile SE
26	USGS40000138921	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C10	4131	1/4 - 1/2 Mile NE
C11	4127	1/4 - 1/2 Mile NE
C12	4132	1/4 - 1/2 Mile NE
C13	4134	1/4 - 1/2 Mile NE
C14	4133	1/4 - 1/2 Mile NE
C15	4126	1/4 - 1/2 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

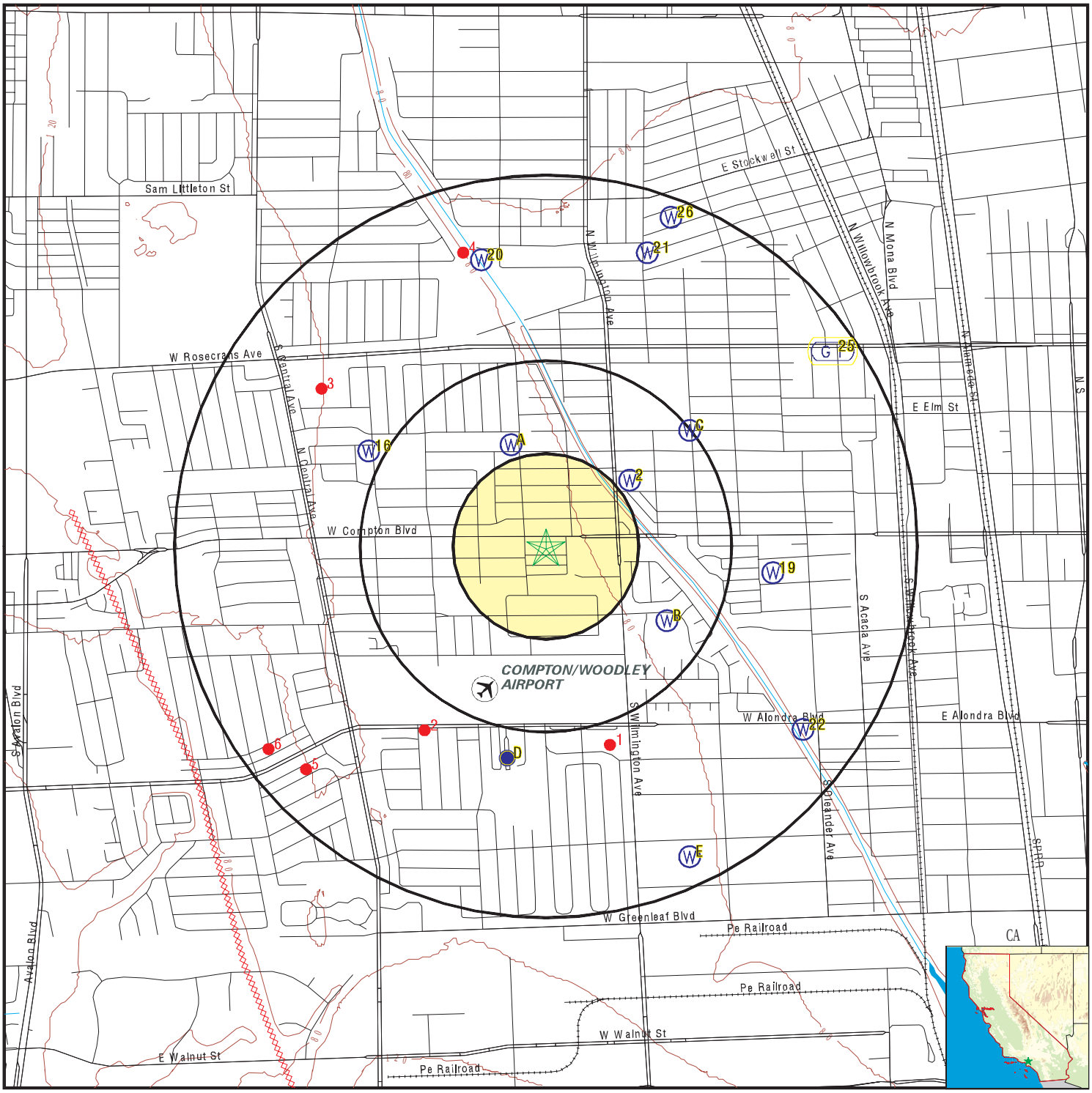
MAP ID	WELL ID	LOCATION FROM TP
D18	CADW60000031115	1/2 - 1 Mile SSW
19	14213	1/2 - 1 Mile East
E23	4135	1/2 - 1 Mile SSE
E24	4154	1/2 - 1 Mile SSE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204626	1/2 - 1 Mile SSE
2	CAOG11000204888	1/2 - 1 Mile SSW
3	CAOG11000204647	1/2 - 1 Mile NW
4	CAOG11000204579	1/2 - 1 Mile NNW
5	CAOG11000204709	1/2 - 1 Mile SW
6	CAOG11000204561	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 5253592.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	930 Compton Boulevard	CLIENT:	Stantec
ADDRESS:	930 Compton Boulevard Compton CA 90220	CONTACT:	Alicia Jansen
LAT/LONG:	33.895486 / 118.24094	INQUIRY #:	5253592.2s
		DATE:	April 11, 2018 8:10 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138868**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335358118142801		
Monloc name:	003S013W21A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994605
Longitude:	-118.2420164	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	200
Welldepth units:	ft	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138856**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335353118141001		
Monloc name:	003S013W22E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8980716
Longitude:	-118.2370162	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	596
Welldepth units:	ft	Wellholedepth:	640
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A3
NNW **FED USGS** **USGS40000138863**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335357118143501		
Monloc name:	003S013W21B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994556
Longitude:	-118.2431222	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19481222	Welldepth:	442
Welldepth units:	ft	Wellholedepth:	495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B4
ESE **FED USGS** **USGS40000138825**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140606		
Monloc name:	003S013W22M007S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	170
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B5
ESE **FED USGS** **USGS40000138821**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140602		
Monloc name:	003S013W22M003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	850
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B6
ESE **FED USGS** **USGS40000138820**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140601		
Monloc name:	003S013W22M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	1495
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B7
ESE **FED USGS** **USGS40000138822**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140603		
Monloc name:	003S013W22M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	605
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B8
ESE **FED USGS** **USGS40000138824**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140605		
Monloc name:	003S013W22M006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	315
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B9
ESE **FED USGS** **USGS40000138823**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140604		
Monloc name:	003S013W22M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	400
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C10
NE **CA WELLS** **4131**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-16K01 S	User ID:	4TH
FRDS Number:	1910021004	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 12-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	06-JUN-13	Findings:	0.498 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	06-JUN-13	Findings:	5.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	06-JUN-13	Findings:	0.178 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	06-JUN-13	Findings:	0.405 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	06-JUN-13	Findings:	6.26 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06-JUN-13	Findings:	0.41 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	4.8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06-JUN-13	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		

C11
NE **CA WELLS** **4127**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M05 S	User ID:	4TH
FRDS Number:	1910147005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 05		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:			
	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	17-JAN-12	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-JAN-12	Findings:	0.78 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	13-FEB-12	Findings:	17.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	23-APR-12	Findings:	19.2 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	23-APR-12	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	23-APR-12	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	14-MAY-12	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	21. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	19.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	42. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-OCT-12	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-NOV-12	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-13	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	18.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-MAR-13	Findings:	18.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	22-APR-13	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		

Sample Collected:	20-MAY-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-JUN-13	Findings:	21.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	22.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-AUG-13	Findings:	22.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-SEP-13	Findings:	21.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	620. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	21-OCT-13	Findings:	7.71
Chemical:	PH, LABORATORY		
Sample Collected:	21-OCT-13	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	21-OCT-13	Findings:	250. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	21-OCT-13	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	21-OCT-13	Findings:	40. MG/L
Chemical:	SODIUM		
Sample Collected:	21-OCT-13	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	21-OCT-13	Findings:	35. MG/L
Chemical:	CHLORIDE		
Sample Collected:	21-OCT-13	Findings:	91. MG/L
Chemical:	SULFATE		
Sample Collected:	21-OCT-13	Findings:	0.39 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	21-OCT-13	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	21-OCT-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	21-OCT-13	Findings:	400. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	21-OCT-13	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	21-OCT-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	21-OCT-13	Findings:	640. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	21-OCT-13	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	12-NOV-13	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-14	Findings:	0.59 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	14-JAN-14	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-APR-14	Findings:	0.62 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07-APR-14	Findings:	1.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-APR-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-JUL-14	Findings:	25. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-JUL-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-OCT-14	Findings:	0.55 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06-OCT-14	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-OCT-14	Findings:	1.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	26-FEB-15	Findings:	0.7 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-MAR-15	Findings:	0.559 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	02-MAR-15	Findings:	8.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	02-MAR-15	Findings:	0.142 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	02-MAR-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	02-MAR-15	Findings:	44. UG/L
Chemical:	MANGANESE		

Sample Collected:	02-MAR-15	Findings:	5.82 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02-MAR-15	Findings:	0.327 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02-MAR-15	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	02-MAR-15	Findings:	1.e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06-APR-15	Findings:	53. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-MAY-15	Findings:	21. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-JUN-15	Findings:	46. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	50. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	1.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	03-AUG-15	Findings:	58. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-15	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	04-JAN-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-FEB-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-APR-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	09-MAY-16	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-JUN-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	11-JUL-16	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-AUG-16	Findings:	0.49 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-SEP-16	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	590. US
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	03-OCT-16	Findings:	7.87
Chemical:	PH, LABORATORY		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03-OCT-16	Findings:	210. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	64. MG/L
Chemical:	CALCIUM		
Sample Collected:	03-OCT-16	Findings:	13. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03-OCT-16	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	03-OCT-16	Findings:	3.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03-OCT-16	Findings:	30. MG/L
Chemical:	CHLORIDE		
Sample Collected:	03-OCT-16	Findings:	83. MG/L
Chemical:	SULFATE		
Sample Collected:	03-OCT-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03-OCT-16	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	03-OCT-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	350. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03-OCT-16	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-DEC-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-FEB-17	Findings:	22. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-MAR-17	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-MAY-17	Findings:	0.63 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05-JUN-17	Findings:	42. UG/L
Chemical:	MANGANESE		

C12
NE
1/4 - 1/2 Mile
Lower

CA WELLS **4132**

Water System Information:

Prime Station Code:	03S/13W-21A01 S	User ID:	4TH
FRDS Number:	1910021005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-A - DESTROYED		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C13
NE **CA WELLS** **4134**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21C06 S	User ID:	4TH
FRDS Number:	1910021006	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C14
NE **CA WELLS** **4133**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21B01 S	User ID:	4TH
FRDS Number:	1910021007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-C		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	28-JUN-12	Findings:	1. UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-AUG-12	Findings:	0.8 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	14-FEB-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-MAR-13	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-APR-13	Findings:	0.74 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10-APR-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	870. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02-FEB-12	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02-FEB-12	Findings:	340. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	99. MG/L
Chemical:	CALCIUM		
Sample Collected:	02-FEB-12	Findings:	22. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02-FEB-12	Findings:	52. MG/L
Chemical:	SODIUM		
Sample Collected:	02-FEB-12	Findings:	3.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02-FEB-12	Findings:	81. MG/L
Chemical:	CHLORIDE		
Sample Collected:	02-FEB-12	Findings:	150. MG/L
Chemical:	SULFATE		
Sample Collected:	02-FEB-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02-FEB-12	Findings:	2.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	02-FEB-12	Findings:	160. UG/L
Chemical:	IRON		
Sample Collected:	02-FEB-12	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	540. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	02-FEB-12	Findings:	1.02
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	02-FEB-12	Findings:	0.38 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	23-FEB-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-MAR-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		

C15
NE **CA WELLS** **4126**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M04 S	User ID:	4TH
FRDS Number:	1910147001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 02		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	06-OCT-14	Findings:	600. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-OCT-14	Findings:	7.82
Chemical:	PH, LABORATORY		
Sample Collected:	06-OCT-14	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	221. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	65.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	06-OCT-14	Findings:	13.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-OCT-14	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	06-OCT-14	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06-OCT-14	Findings:	30. MG/L
Chemical:	CHLORIDE		

Sample Collected:	06-OCT-14	Findings:	79. MG/L
Chemical:	SULFATE		
Sample Collected:	06-OCT-14	Findings:	5.7e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	06-OCT-14	Findings:	360. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-OCT-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-JAN-15	Findings:	0.758 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-JAN-15	Findings:	0.222 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	05-JAN-15	Findings:	0.188 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	05-JAN-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	05-JAN-15	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05-JAN-15	Findings:	0.35 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	4.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05-JAN-15	Findings:	0.69 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-JAN-15	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04-APR-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04-APR-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-MAY-16	Findings:	200. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUN-16	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	30-SEP-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	30-SEP-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	30-SEP-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-MAR-17	Findings:	130. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	62. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	22.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	22-APR-13	Findings:	20.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.41 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	22-APR-13	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	18-JUN-13	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		

16
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138860**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335356118145801		
Monloc name:	003S013W21C006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8992167
Longitude:	-118.249236	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	395
Welldepth units:	ft	Wellholedepth:	481
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D17
South **FED USGS** **USGS40000138790**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335314118142901		
Monloc name:	003S013W21R003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8872385
Longitude:	-118.242294	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	90
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19520619	Welldepth:	470
Welldepth units:	ft	Wellholedepth:	470
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-09-14	122.45	

D18
SSW **CA WELLS** **CADW60000031115**
1/2 - 1 Mile
Higher

Objectid:	31115
Latitude:	33.8872
Longitude:	-118.2432
Site code:	338872N1182432W001
State well numbe:	03S13W21R003S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles

Basin code:	'4-11.04'
Basin desc:	Central
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000031115

19
East
1/2 - 1 Mile
Lower

CA WELLS **14213**

Water System Information:

Prime Station Code:	1910026-015	User ID:	4TH
FRDS Number:	1910026015	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335340.0 1181346.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 17		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:	205 S WILLOWBROOK AVE COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		
Sample Collected:	16-APR-12	Findings:	19. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	700. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-12	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-12	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	79. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-12	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-12	Findings:	44. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-12	Findings:	3.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-12	Findings:	54. MG/L
Chemical:	CHLORIDE		

Sample Collected:	16-APR-12	Findings:	99. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-12	Findings:	3. UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-12	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-12	Findings:	650. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-12	Findings:	430. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-12	Findings:	3.9 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03-MAY-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	03-MAY-12	Findings:	740. UG/L
Chemical:	ALUMINUM		
Sample Collected:	18-SEP-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	16-DEC-13	Findings:	2.14 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	16-DEC-13	Findings:	1.95 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	16-APR-15	Findings:	770. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-15	Findings:	7.86
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-15	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

Sample Collected:	16-APR-15	Findings:	230. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-15	Findings:	280. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-15	Findings:	84. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-15	Findings:	17. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-15	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-15	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-15	Findings:	68. MG/L
Chemical:	CHLORIDE		
Sample Collected:	16-APR-15	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-15	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-15	Findings:	3.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-15	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-15	Findings:	530. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-15	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	500. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-15	Findings:	480. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-15	Findings:	6.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	16-APR-15	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

20
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000138909**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335424118143501		
Monloc name:	003S013W16K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9066826
Longitude:	-118.243961	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	230
Welldepth units:	ft	Wellholedepth:	270
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

21
NNE **FED USGS** **USGS40000138912**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335425118140701		
Monloc name:	003S013W15M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9069603
Longitude:	-118.236183	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	443
Welldepth units:	ft	Wellholedepth:	445
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
SE **FED USGS** **USGS40000138803**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335318118134401		
Monloc name:	003S013W22Q004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8883333
Longitude:	-118.2288889	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	65
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	642
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E23
SSE **CA WELLS 4135**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-21R03 S	User ID:	4TH
FRDS Number:	1910021010	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 31-A - INACTIVE		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

E24
SSE **CA WELLS 4154**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-27E02 S	User ID:	4TH
FRDS Number:	1910026009	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 11		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:			
	205 S WILLOWBROOK AVE		
	COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		

Sample Collected:	17-JAN-12	Findings:	370. UG/L
Chemical:	IRON		
Sample Collected:	17-JAN-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-FEB-12	Findings:	20.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-FEB-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-MAR-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	26-MAR-12	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-MAY-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-MAY-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	390. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-12	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-JUL-12	Findings:	21.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-JUL-12	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-AUG-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	22.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	24.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	120. UG/L
Chemical:	IRON		

Sample Collected:	15-OCT-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-NOV-12	Findings:	18. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-NOV-12	Findings:	430. UG/L
Chemical:	IRON		
Sample Collected:	19-NOV-12	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-DEC-12	Findings:	17.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	960. UG/L
Chemical:	IRON		
Sample Collected:	17-DEC-12	Findings:	52. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	690. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	31-OCT-14	Findings:	7.83
Chemical:	PH, LABORATORY		
Sample Collected:	31-OCT-14	Findings:	210. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	80. MG/L
Chemical:	CALCIUM		
Sample Collected:	31-OCT-14	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	31-OCT-14	Findings:	50. MG/L
Chemical:	SODIUM		
Sample Collected:	31-OCT-14	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	31-OCT-14	Findings:	44. MG/L
Chemical:	CHLORIDE		
Sample Collected:	31-OCT-14	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	31-OCT-14	Findings:	0.23 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	31-OCT-14	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	6.e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	31-OCT-14	Findings:	440. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	31-OCT-14	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	26-NOV-14	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-DEC-14	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-JAN-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-FEB-15	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-MAR-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-MAY-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-JUN-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JUL-15	Findings:	180. UG/L
Chemical:	IRON		
Sample Collected:	24-JUL-15	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-AUG-15	Findings:	260. UG/L
Chemical:	IRON		
Sample Collected:	27-AUG-15	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-SEP-15	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-OCT-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-NOV-15	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	20-NOV-15	Findings:	56. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-DEC-15	Findings:	190. UG/L
Chemical:	IRON		
Sample Collected:	29-DEC-15	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JAN-16	Findings:	140. UG/L
Chemical:	IRON		
Sample Collected:	27-JAN-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-MAR-16	Findings:	190. UG/L
Chemical:	IRON		

Sample Collected:	16-MAR-16	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-MAR-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-APR-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-JUN-16	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-JUL-16	Findings:	300. UG/L
Chemical:	IRON		
Sample Collected:	15-JUL-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-SEP-16	Findings:	320. UG/L
Chemical:	IRON		
Sample Collected:	14-SEP-16	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-NOV-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-DEC-16	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JAN-17	Findings:	150. UG/L
Chemical:	IRON		
Sample Collected:	24-JAN-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-MAY-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-17	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-17	Findings:	37. UG/L
Chemical:	MANGANESE		

25
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

26
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138921**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335430118140301		
Monloc name:	003S013W15M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9083492
Longitude:	-118.2350719	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	445
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

1G
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **CAOG11000204626**
1/2 - 1 Mile

District nun:	1	Api number:	03705359
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Dominguez Extension Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	22
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204626		

2
SSW **OIL_GAS** **CAOG11000204888**
1/2 - 1 Mile

District nun:	1	Api number:	03705741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Woodley-Comptom	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000204888		

3
NW **OIL_GAS** **CAOG11000204647**
1/2 - 1 Mile

District nun:	1	Api number:	03705393
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Federal Oil Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Barnes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204647		

4
NNW **OIL_GAS** **CAOG11000204579**
1/2 - 1 Mile

District nun:	1	Api number:	03705295
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. U. Combs		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	16
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204579		

5
SW **OIL_GAS** **CAOG11000204709**
1/2 - 1 Mile

District nun:	1	Api number:	03705488
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	28
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Central Heights	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204709		

6
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000204561**

District nun:	1	Api number:	03705271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Central Heights Oil Co. Ltd.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Veach	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204561		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90220	4	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E HISTORICAL RECORDS

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.3

April 11, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.3

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0230-4821-8DF0

PO # NA

Project NA

Maps Provided:

1938

Sanborn® Library search results

Certification #: 0230-4821-8DF0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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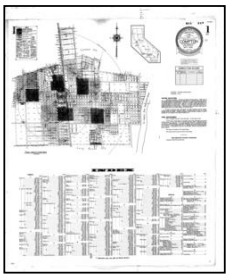
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1938 Source Sheets

Volume 1, Sheet 6
1938

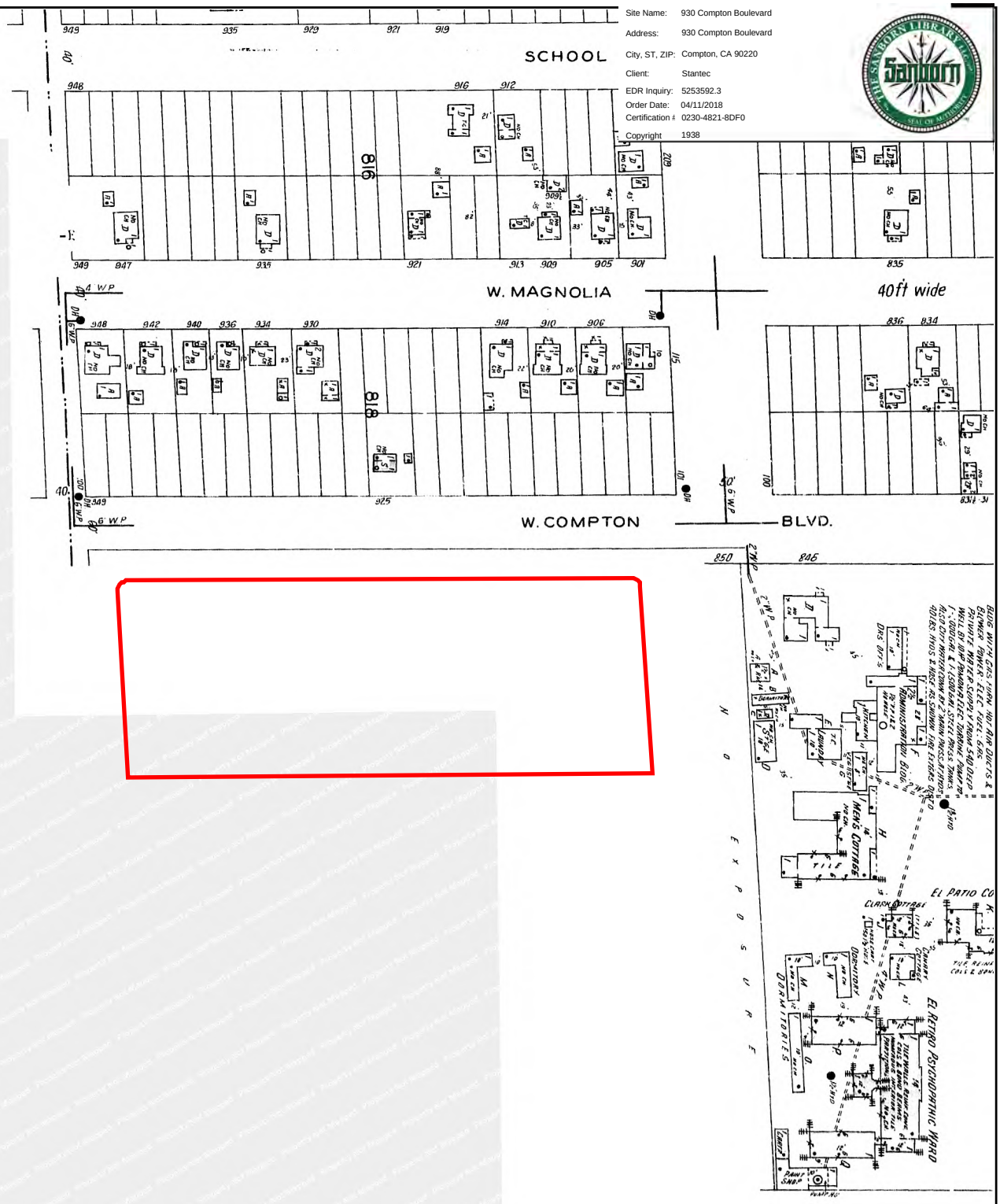
Volume 1, Sheet 26
1938



Volume 1, Sheet 1
1938

Volume 1, Sheet 6
1938

Site Name: 930 Compton Boulevard
Address: 930 Compton Boulevard
City, ST, ZIP: Compton, CA 90220
Client: Stantec
EDR Inquiry: 5253592.3
Order Date: 04/11/2018
Certification #: 0230-4821-8DF0
Copyright 1938



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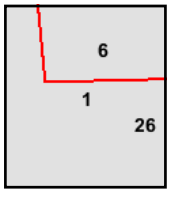
Certification # 0230-4821-8DF0

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 6
Volume 1, Sheet 1
Volume 1, Sheet 26
Volume 1, Sheet 6

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.4

April 10, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/10/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.4

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	33.895486 33° 53' 44" North
Longitude:	-118.24094 -118° 14' 27" West
UTM Zone:	Zone 11 North
UTM X Meters:	385258.30
UTM Y Meters:	3751260.79
Elevation:	82.00' above sea level

Maps Provided:

2012	1942
1981	1937
1972	1930
1964	1924
1952	1923
1949, 1950, 1951	1902
1947, 1948	1899
1943	1896

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

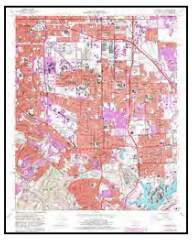
South Gate
2012
7.5-minute, 24000

Inglewood
2012
7.5-minute, 24000

Long Beach
2012
7.5-minute, 24000

Torrance
2012
7.5-minute, 24000

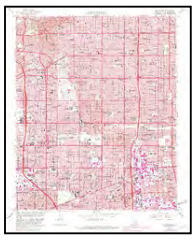
1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978

South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

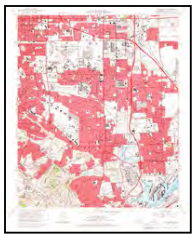
Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets

South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Inglewood
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963

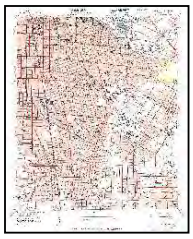


Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



SOUTH GATE
1952
7.5-minute, 24000

Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1949, 1950, 1951 Source Sheets

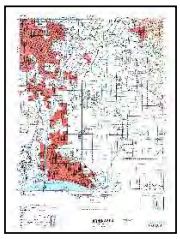
Long Beach
1949
7.5-minute, 24000

South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947

Inglewood
1950
7.5-minute, 24000
Aerial Photo Revised 1947

Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

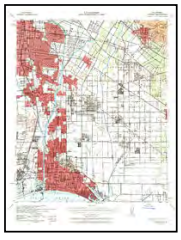
1947, 1948 Source Sheets



DOWNEY
1947
15-minute, 50000

REDONDO
1948
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets

Downey
1942
15-minute, 62500

1937 Source Sheets

Watts
1937
7.5-minute, 24000

1930 Source Sheets

Compton
1930
7.5-minute, 24000

1924 Source Sheets

Watts
1924
7.5-minute, 24000

Compton
1924
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets

Watts
1923
7.5-minute, 24000

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

Downey
1899
15-minute, 62500

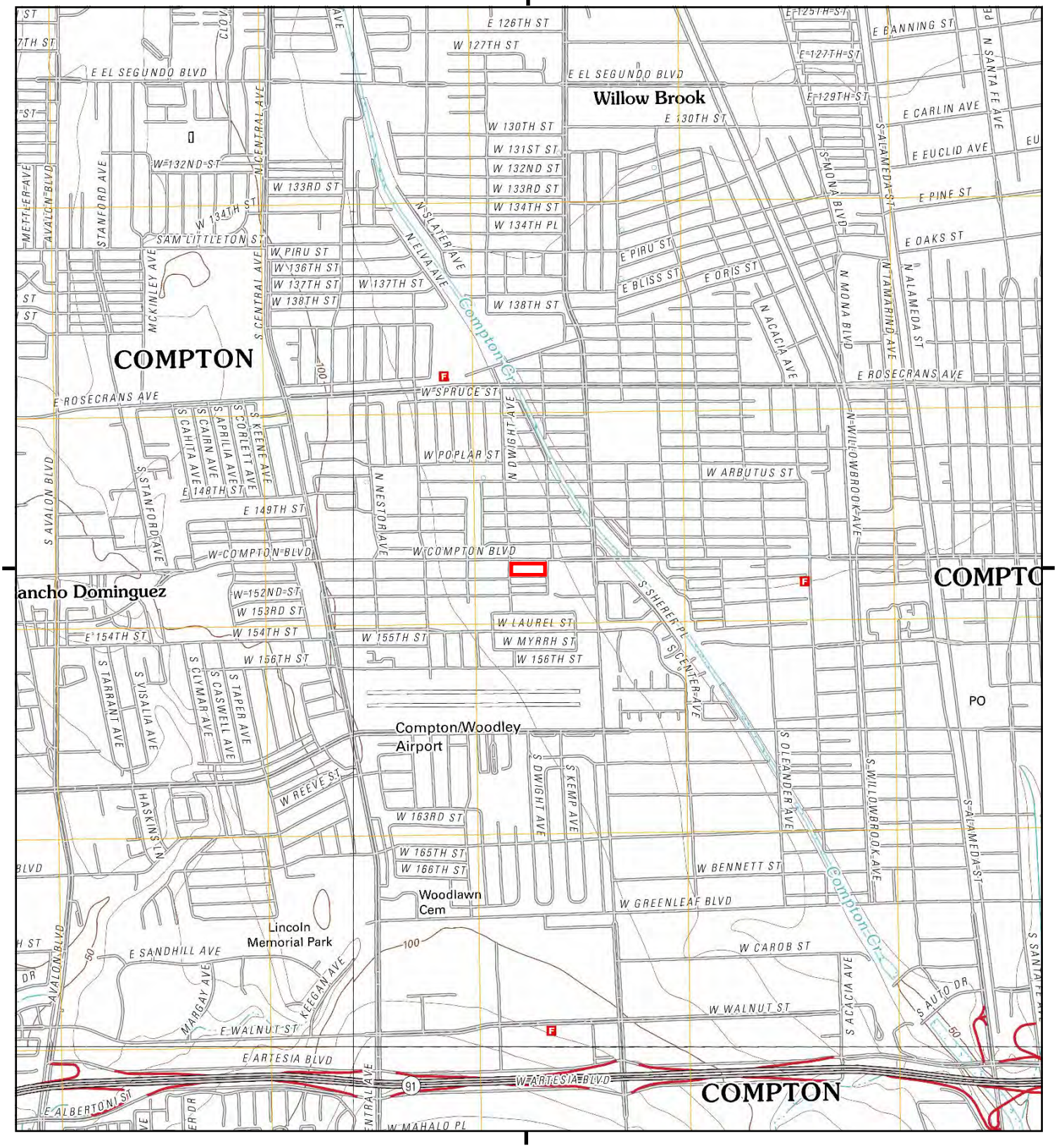
1896 Source Sheets

Downey
1896
15-minute, 62500

Redondo
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

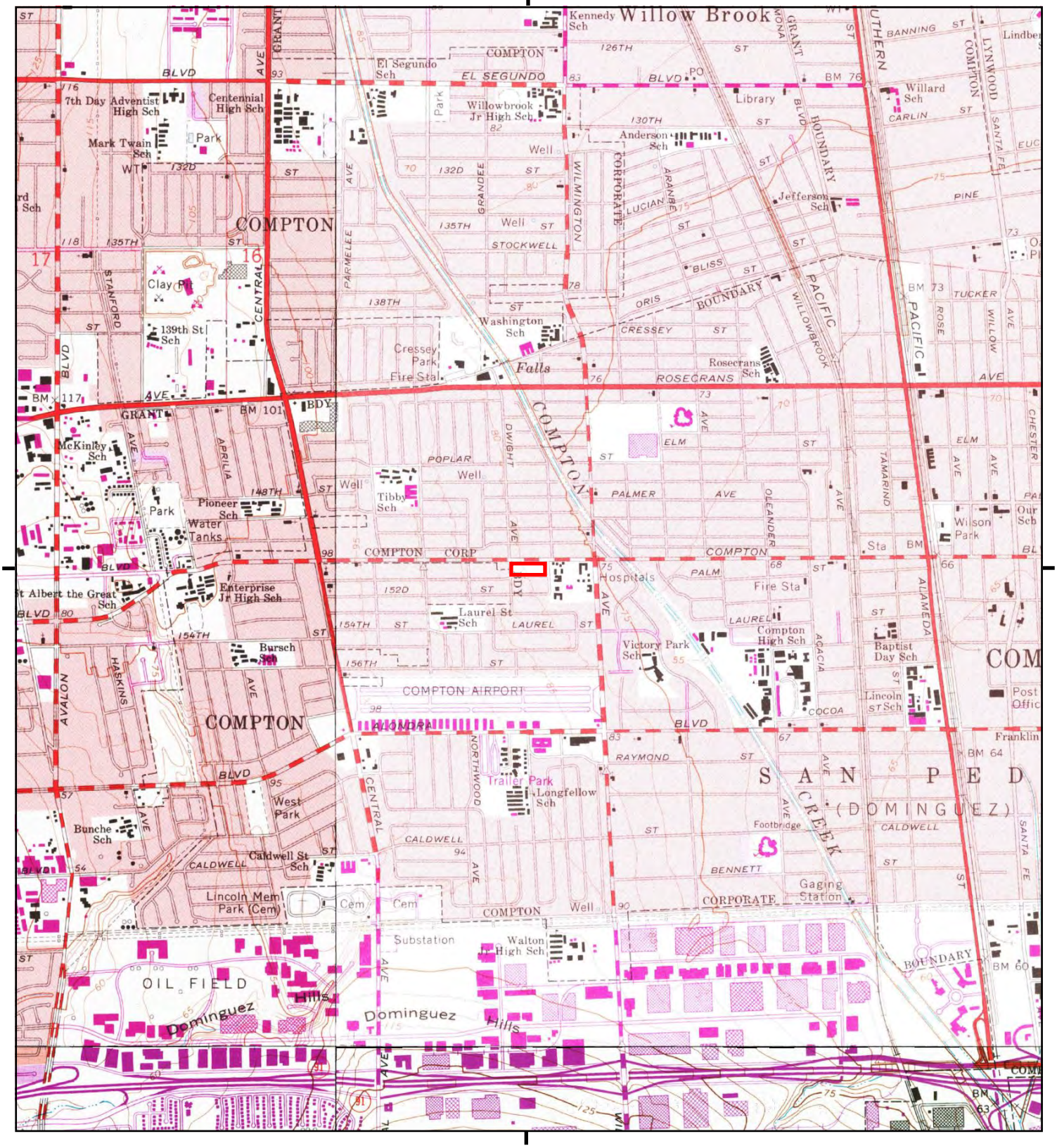
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

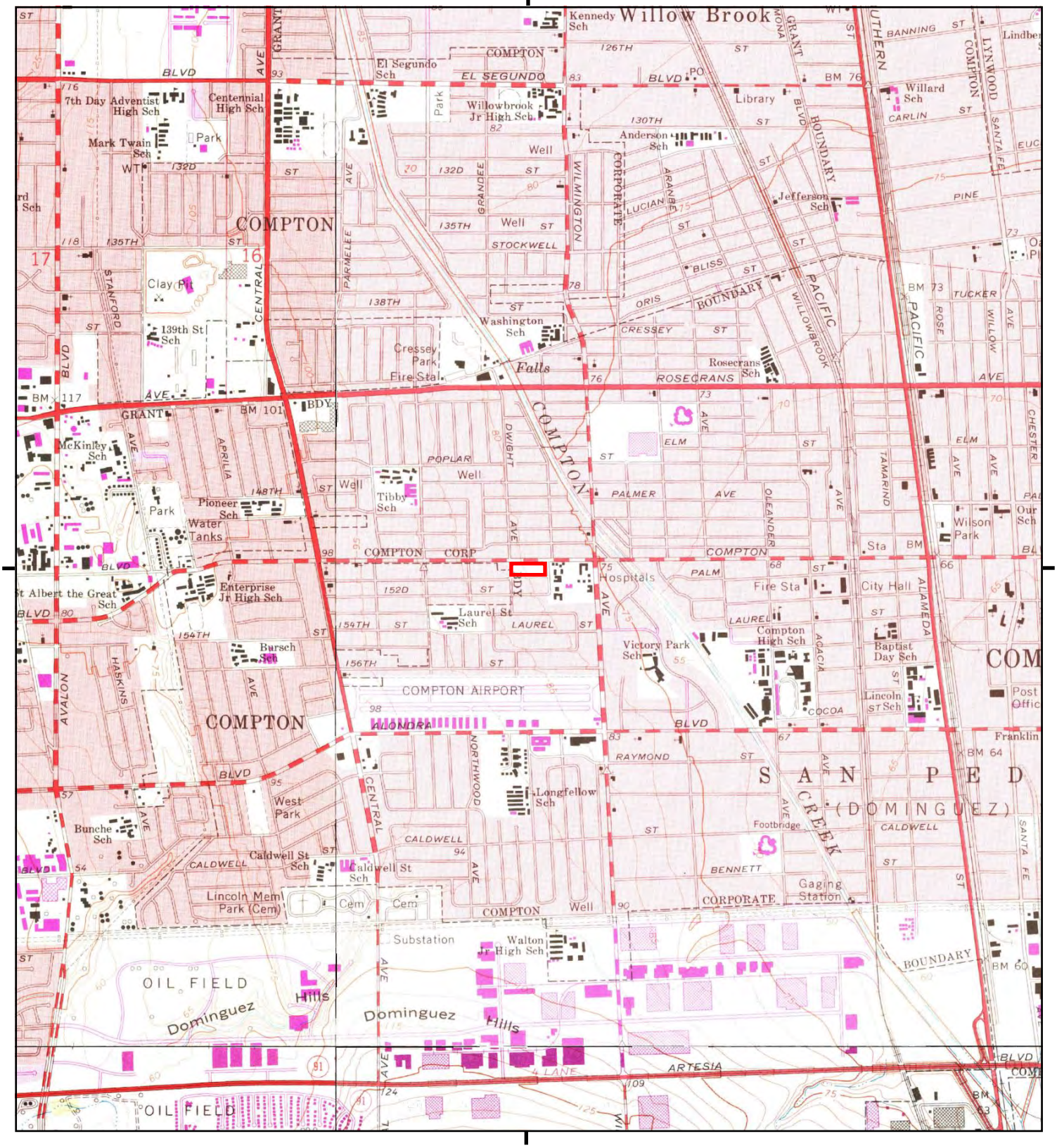
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1981, 7.5-minute
SE, Long Beach, 1981, 7.5-minute
SW, Torrance, 1981, 7.5-minute
NW, Inglewood, 1981, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



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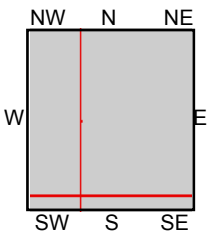
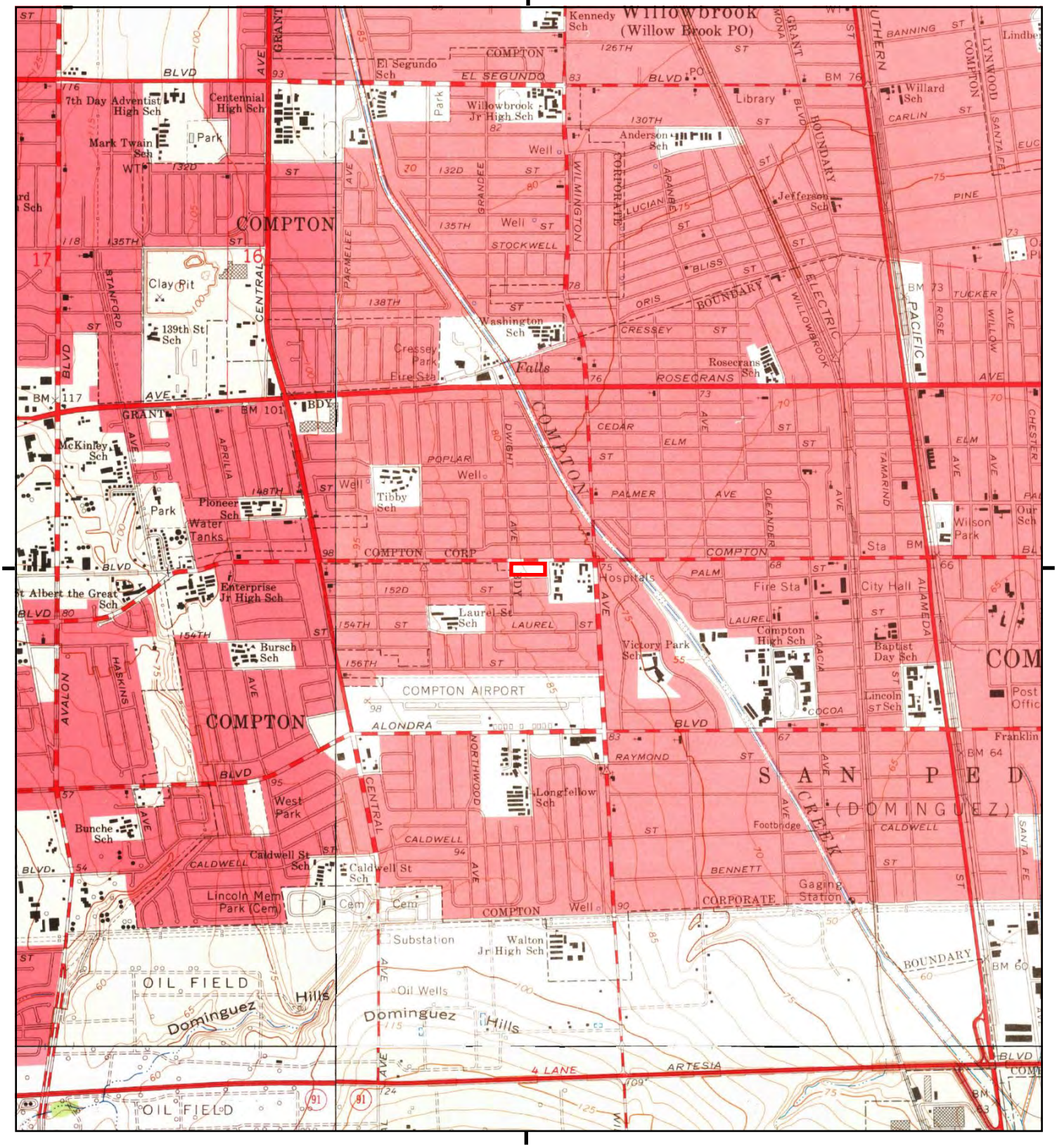
0 Miles 0.25 0.5 1 1.5



TP, South Gate, 1972, 7.5-minute
SE, Long Beach, 1972, 7.5-minute
SW, Torrance, 1972, 7.5-minute
NW, Inglewood, 1972, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

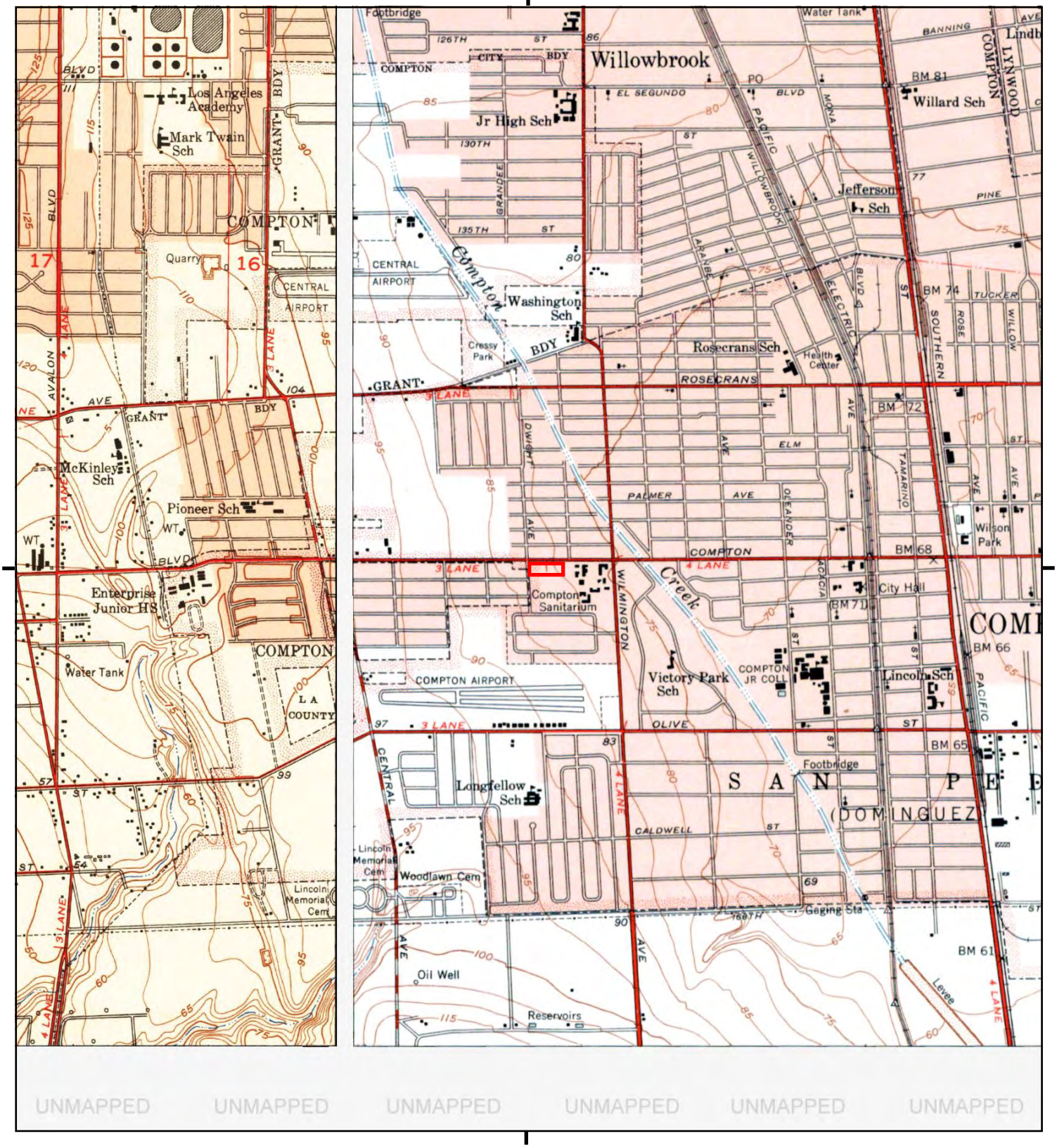
TP, South Gate, 1964, 7.5-minute
SE, Long Beach, 1964, 7.5-minute
SW, Torrance, 1964, 7.5-minute
NW, Inglewood, 1964, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1952



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NW N NE
W E
SW S SE

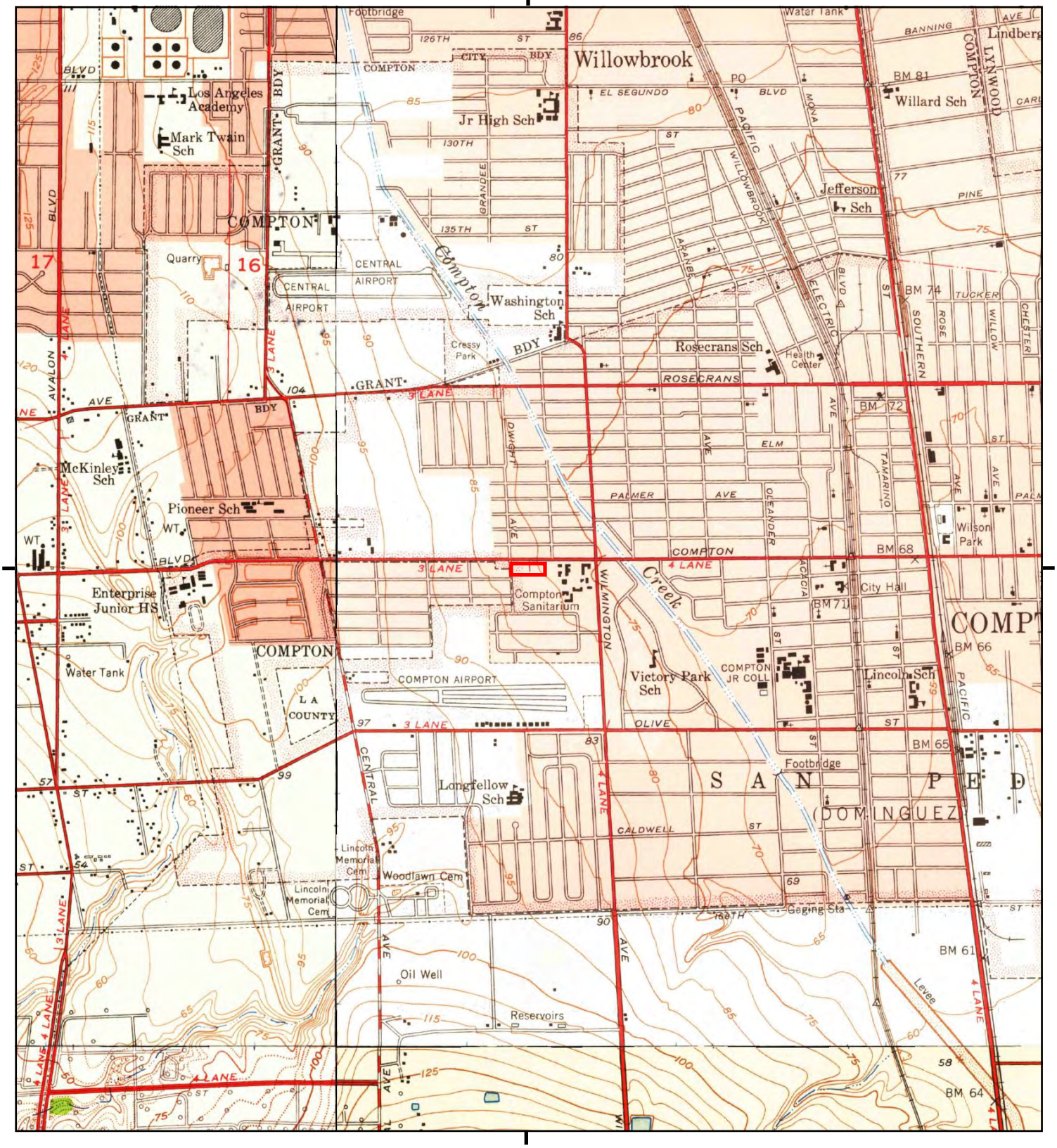
TP, SOUTH GATE, 1952, 7.5-minute
NW, Inglewood, 1952, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1949, 1950, 1951



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

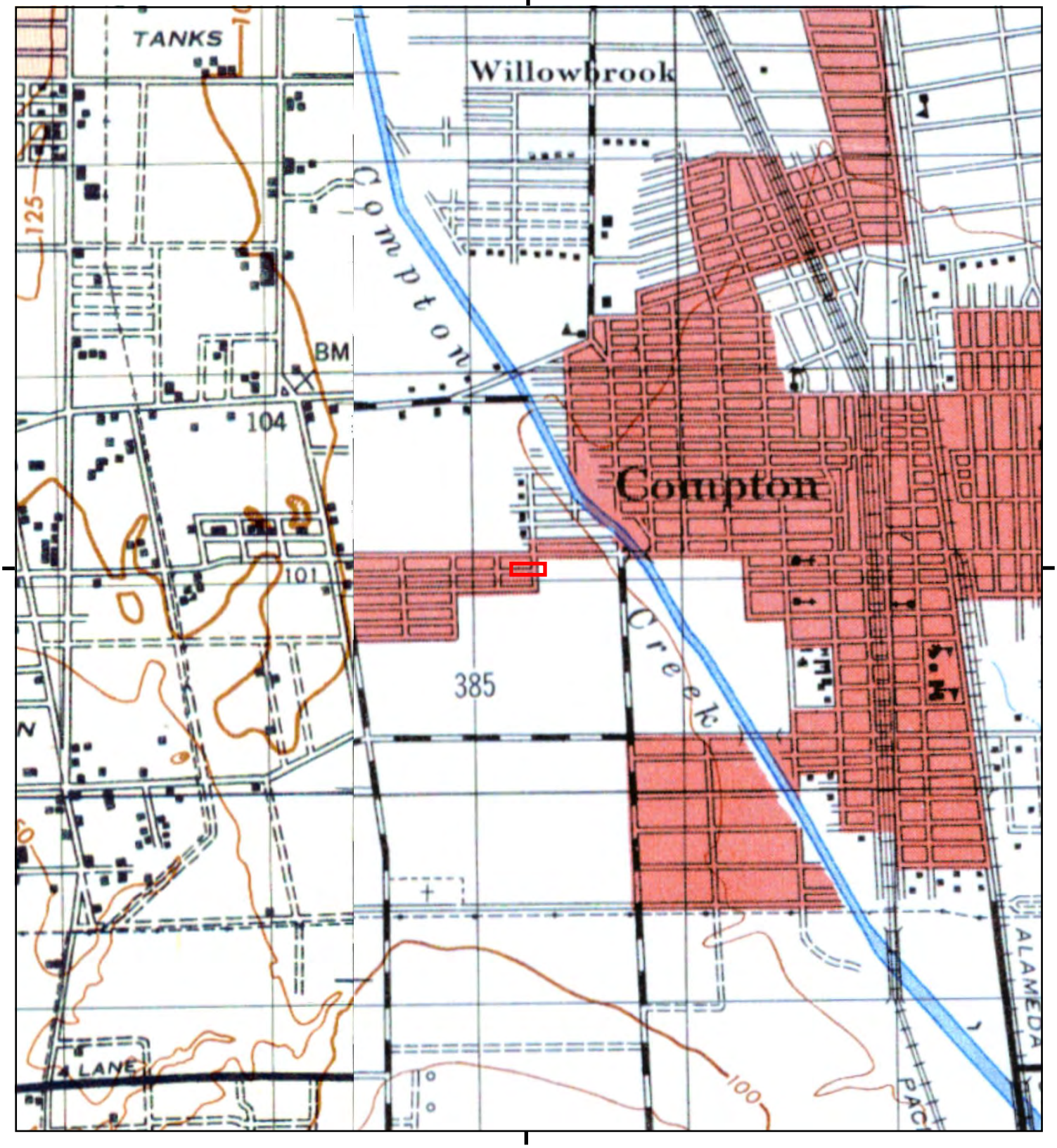
TP, South Gate, 1949, 7.5-minute
SE, Long Beach, 1949, 7.5-minute
SW, Torrance, 1951, 7.5-minute
NW, Inglewood, 1950, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1947, 1948



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

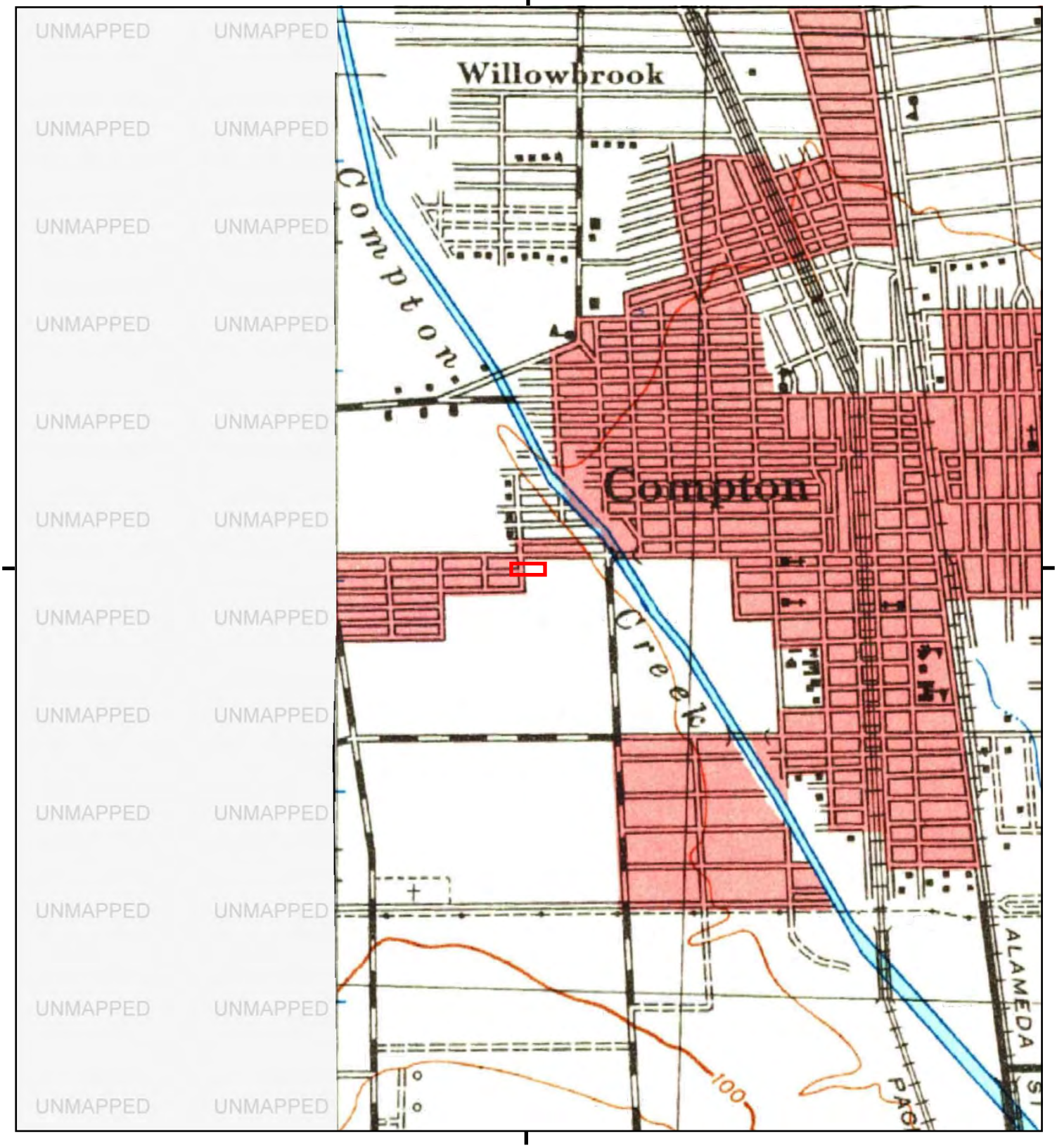
TP, DOWNEY, 1947, 15-minute
W, REDONDO, 1948, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1943



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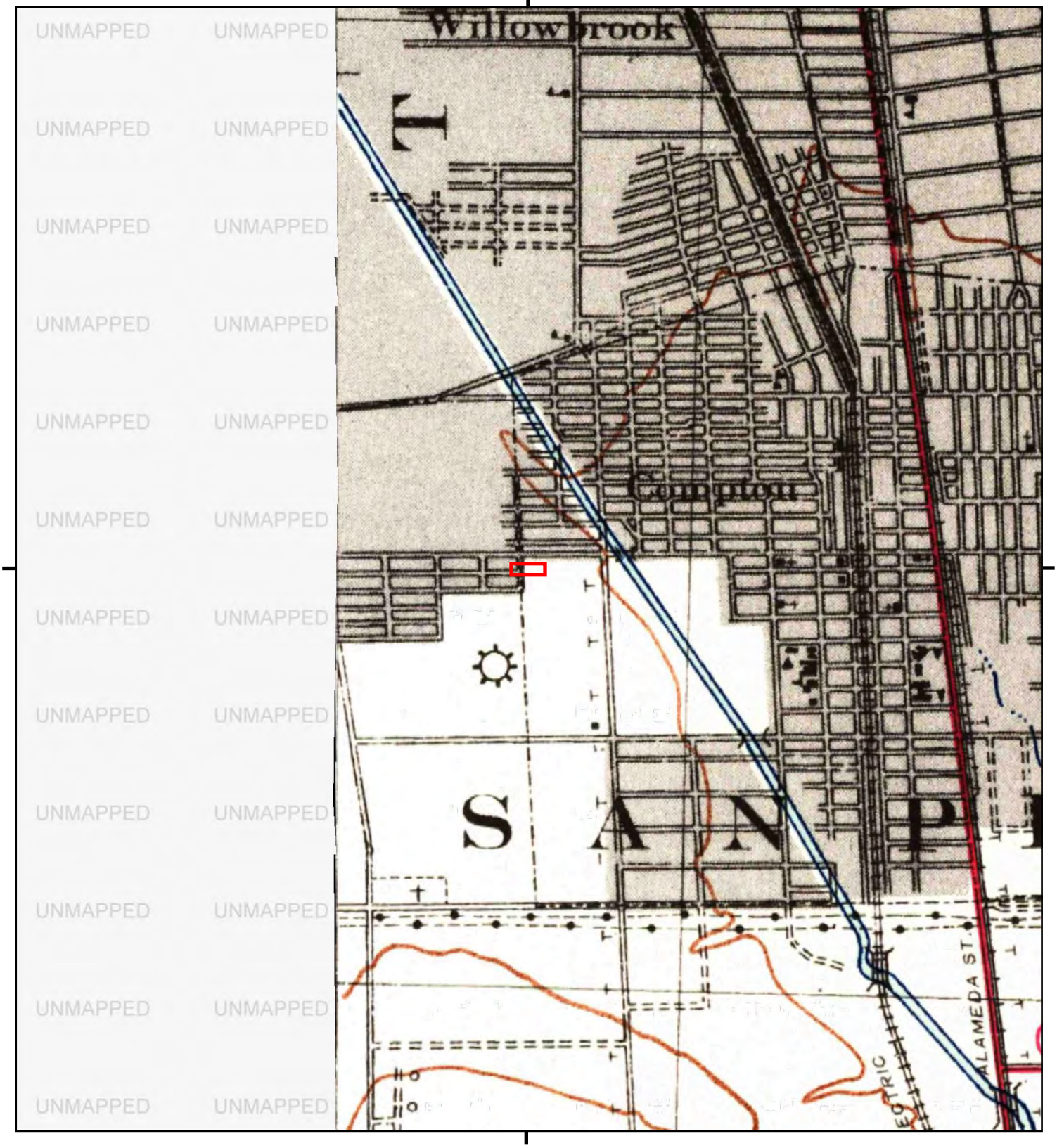
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1943, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

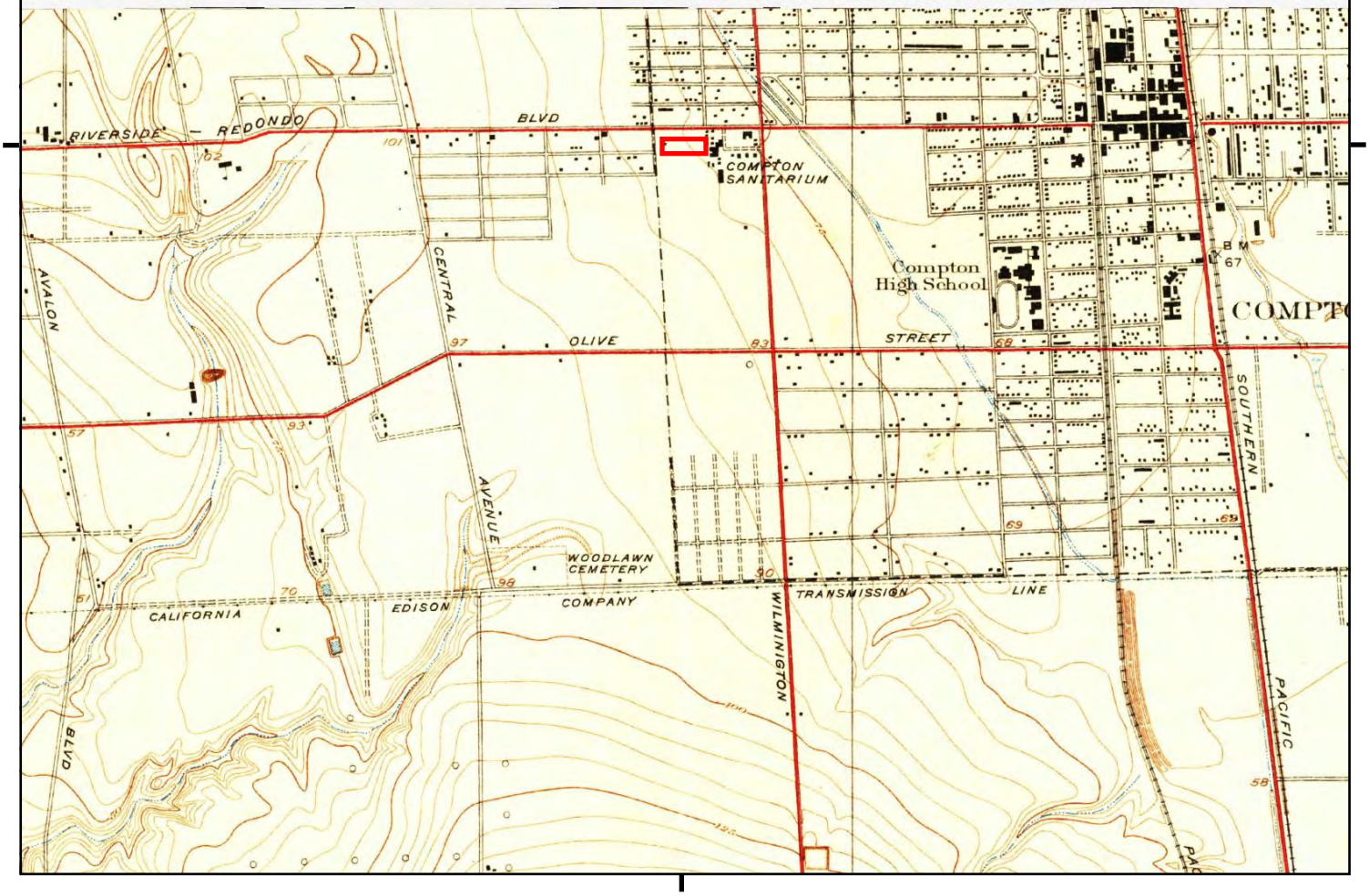
NW N NE
W E
SW S SE

N, Watts, 1937, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

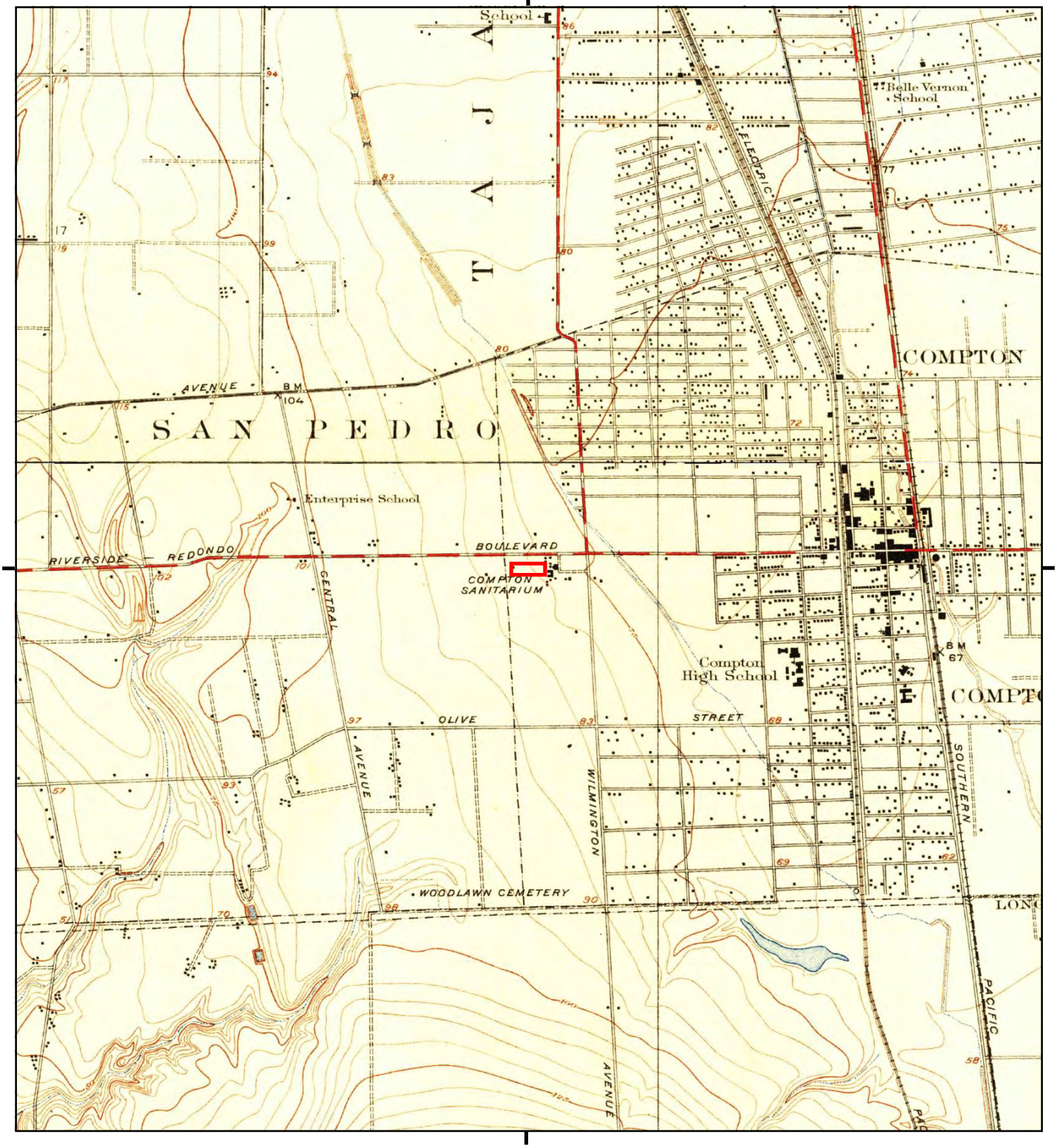
TP, Compton, 1930, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1924



This report includes information from the following map sheet(s).

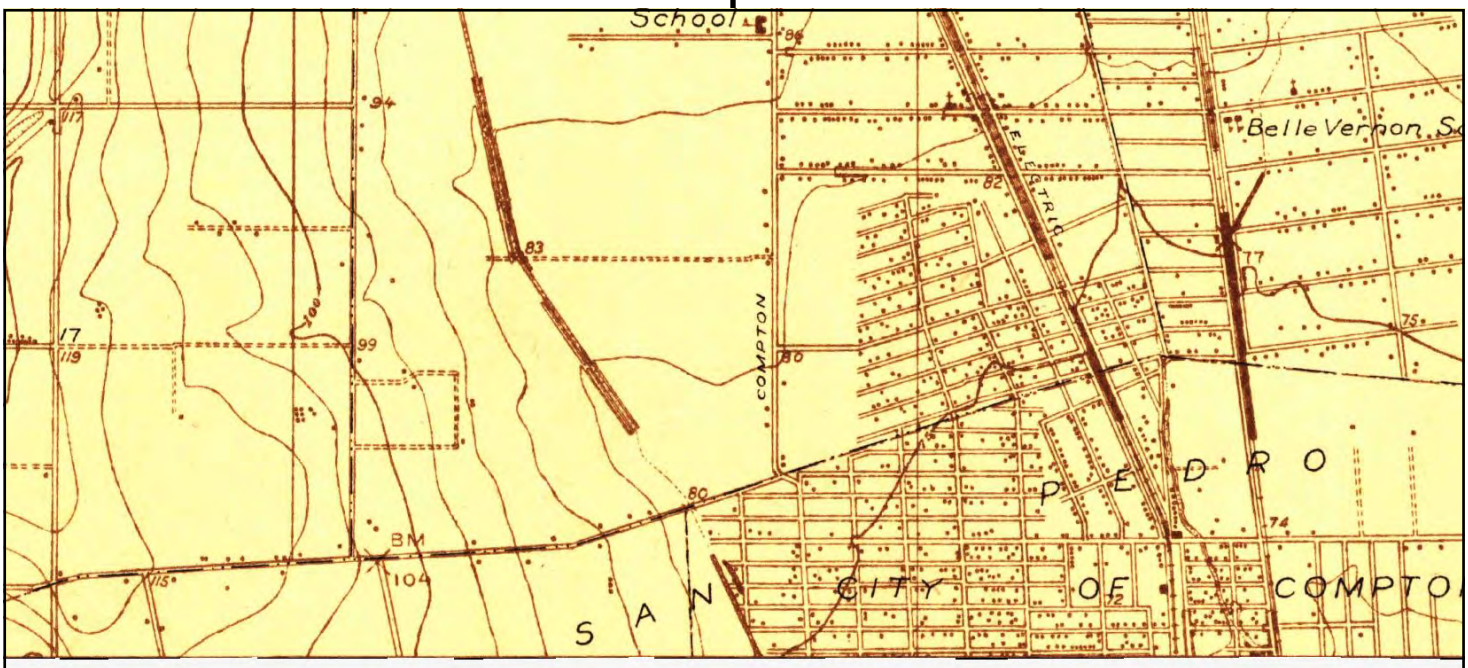
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1924, 7.5-minute
N, Watts, 1924, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



UNMAPPED

This report includes information from the following map sheet(s).

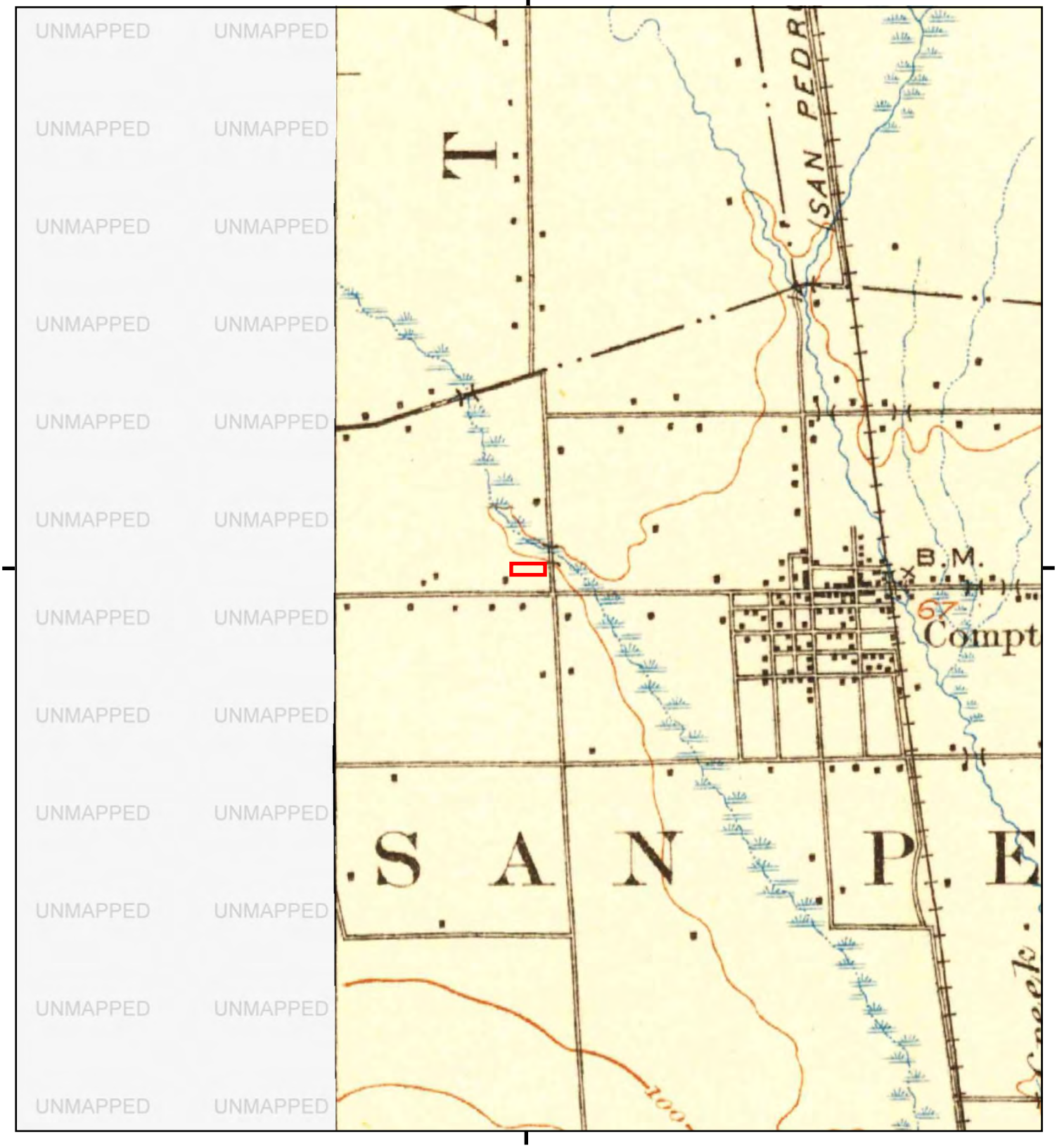
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Watts, 1923, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

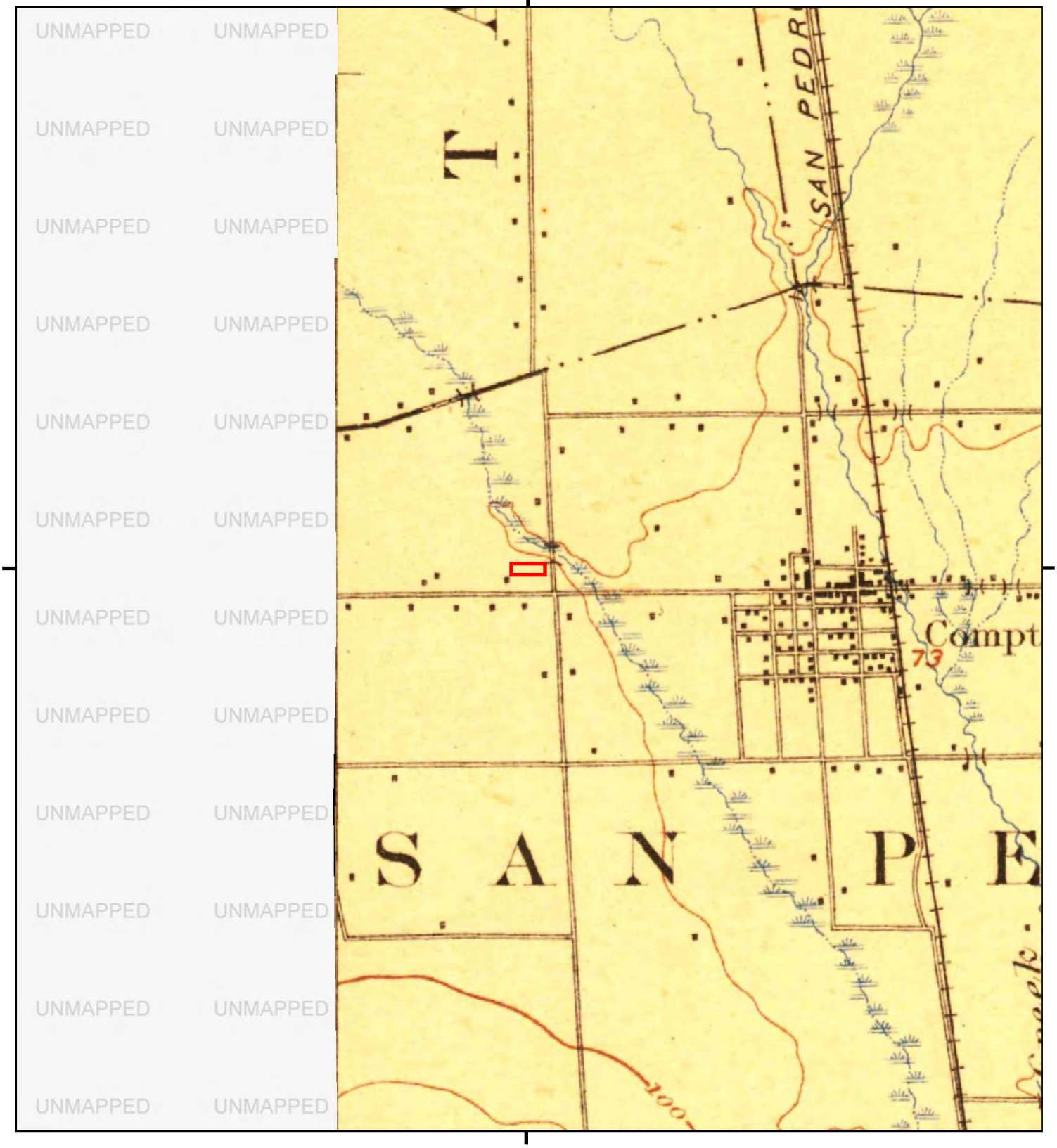
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

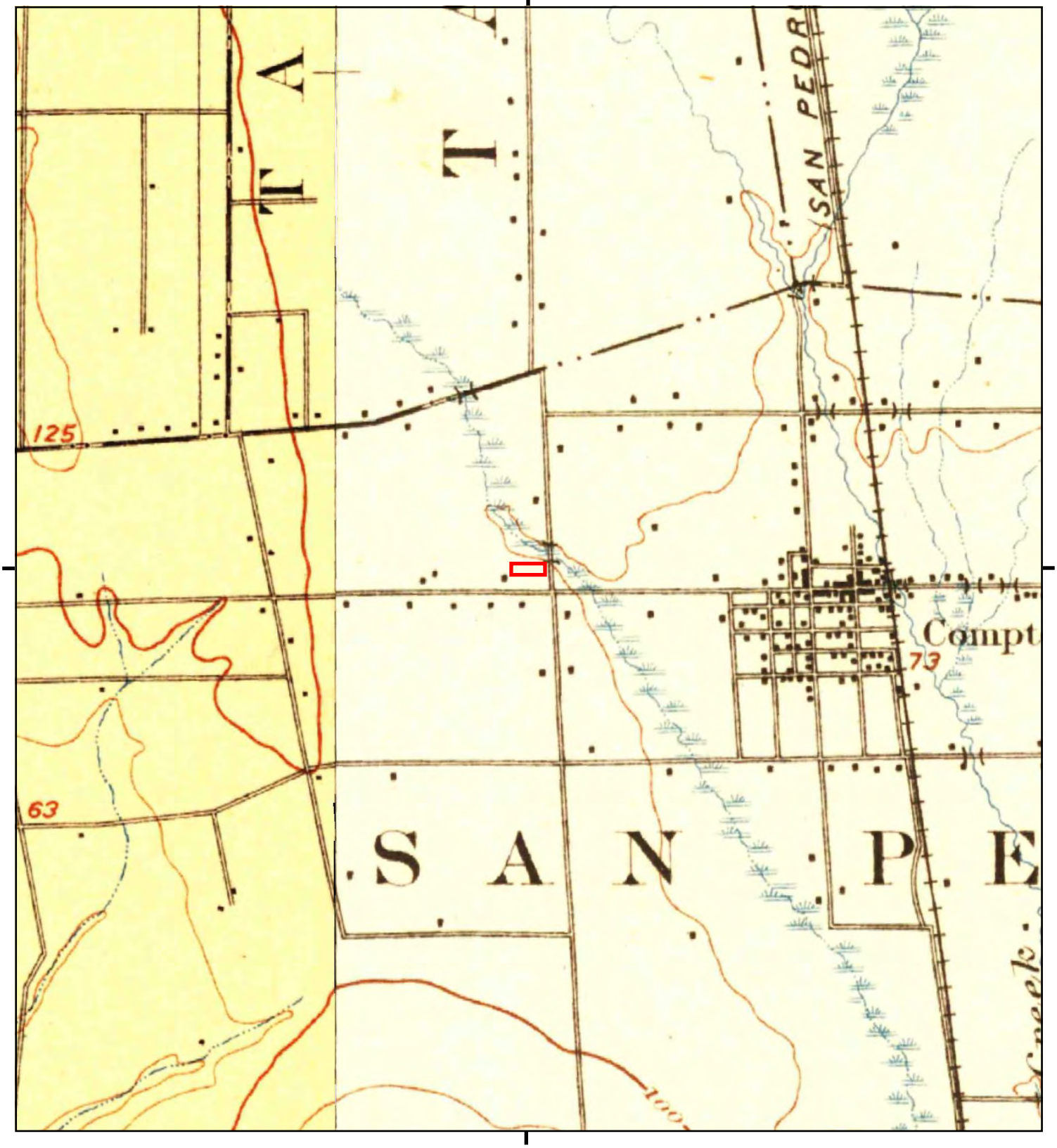
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute
W, Redondo, 1896, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.9

April 11, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.9

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	USGS
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

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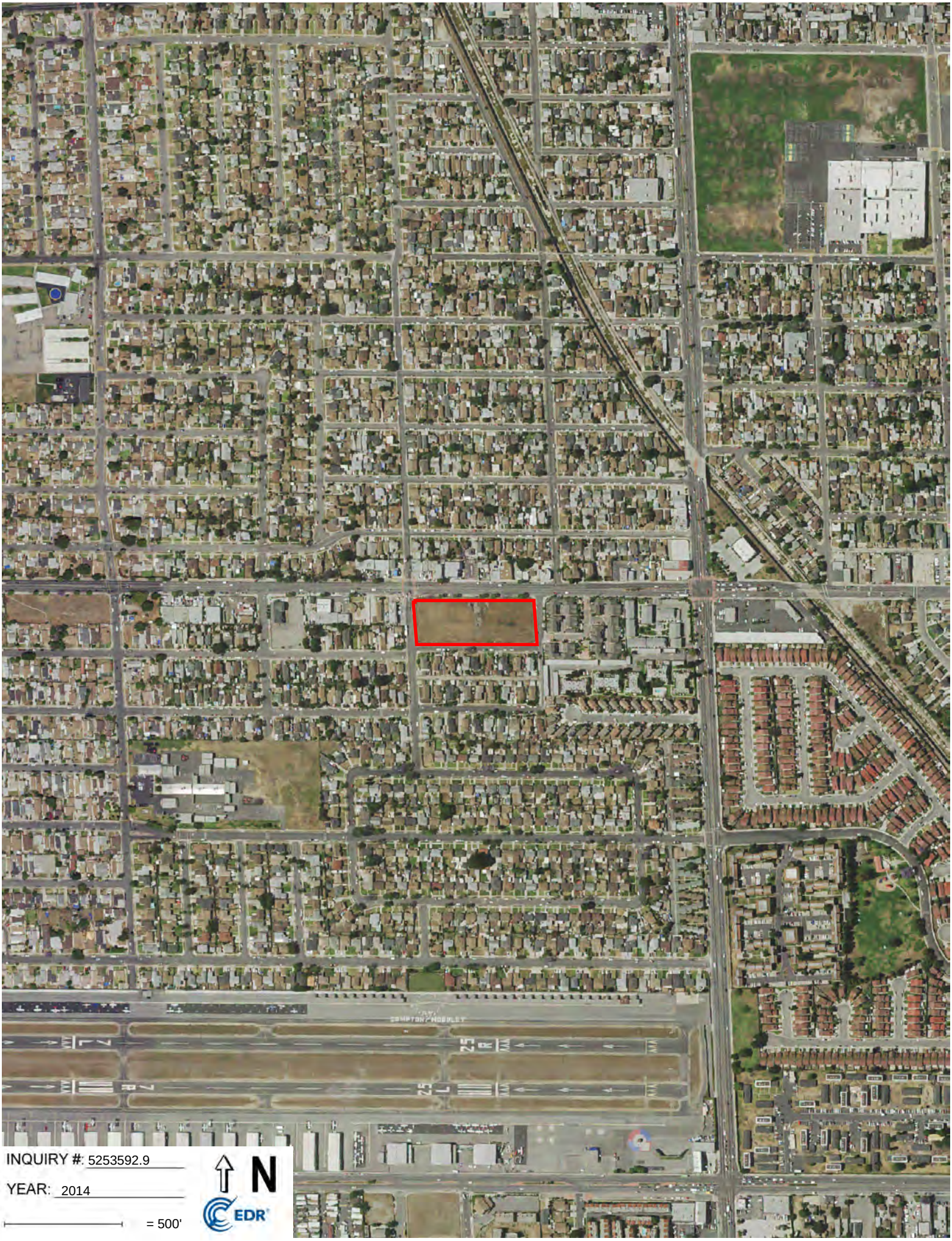


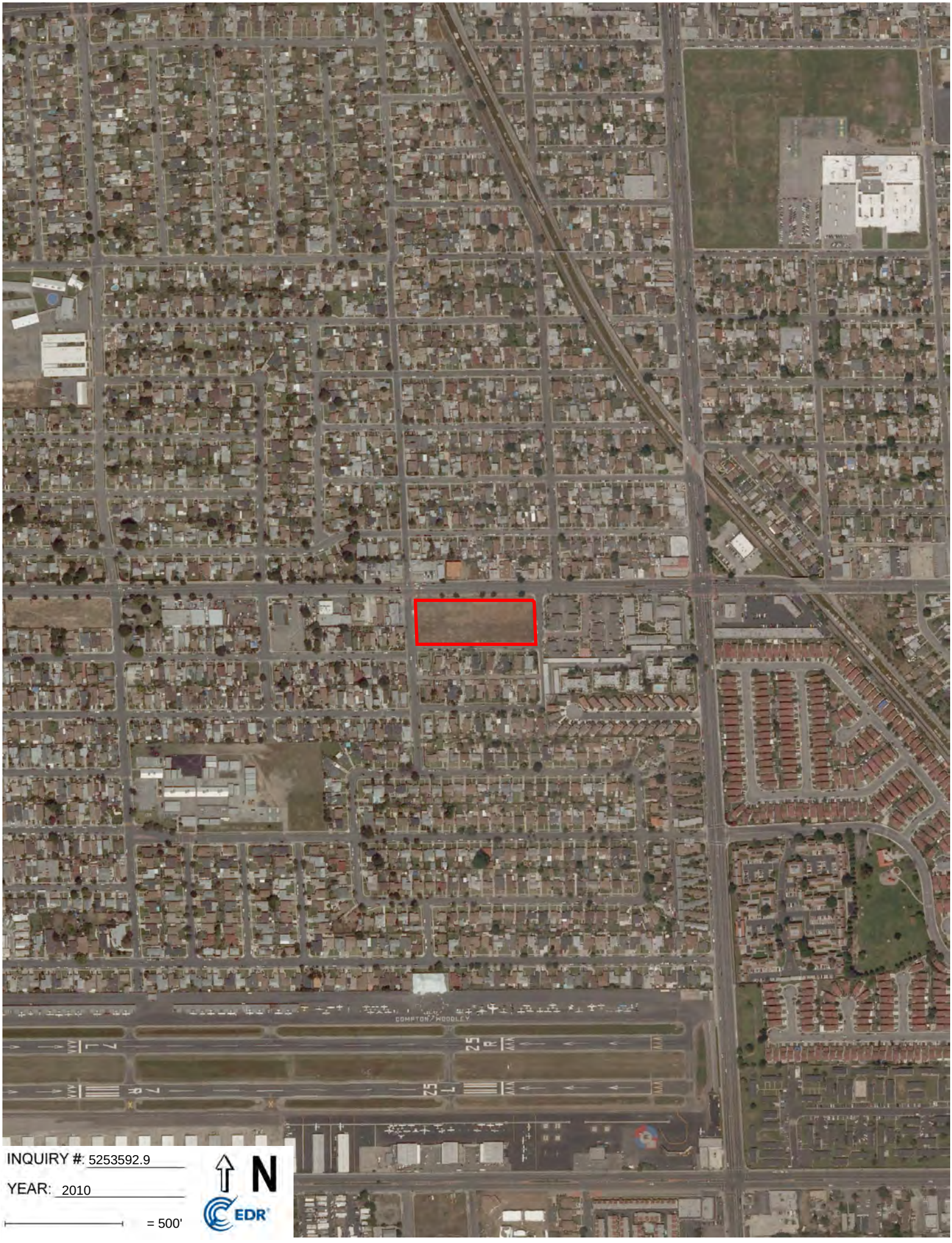
INQUIRY #: 5253592.9

YEAR: 2014

= 500'

N

EDR


COMPTON/WOODLEY
INQUIRY #: 5253592.9
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 2002

= 500'

N

EDR

COMPTON
25 R
25 L
INQUIRY #: 5253592.9
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1989

= 500'

N

EDR

COMPTON
INQUIRY #: 5253592.9
YEAR: 1981
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1979

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 1977

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1963
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1947
= 500'
N
EDR

INQUIRY #: 5253592.9
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1928

= 500'

N

EDR

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.5
April 10, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Directory Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	X	X	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	X	X	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	X	X	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

930 Compton Boulevard
Compton, CA 90220

FINDINGS DETAIL

Target Property research detail.

W COMPTON BLVD

930 W COMPTON BLVD

Year	*Uses*	*Source*
2001	XXXX	Haines & Company, Inc.
1995	Kazi Residential Drug Program	Pacific Bell
1980	COMPTON CARE INC	Pacific Telephone
1976	Willows Resident School & Day Care Center	Pacific Telephone
1971	Willows Convalescent Hospital	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DWIGHT AVE S

113 DWIGHT AVE S

Year	Uses	Source
2001	HERNANDEZBema Sdo	Haines & Company, Inc.

153 DWIGHT AVE S

Year	Uses	Source
2001	PEREZR	Haines & Company, Inc.

157 DWIGHT AVE S

Year	Uses	Source
2001	GARCIAJuvenlino	Haines & Company, Inc.

E 152ND ST

1101 E 152ND ST

Year	Uses	Source
1951	CHunt H G	Pacific Directory Co.
1950	HUNT HAROLD 0 R	Pacific Telephone

1107 E 152ND ST

Year	Uses	Source
1951	Schmidt W L R9	Pacific Directory Co.
1950	SHEPPARD R BIIURTON REV R	Pacific Telephone

1108 E 152ND ST

Year	Uses	Source
1954	BILLINGS ROY W	R. L. Polk & Co.
1951	AGoldman Dan I R9	Pacific Directory Co.
1950	GOLDMAN DAN R	Pacific Telephone

1113 E 152ND ST

Year	Uses	Source
1954	GOSS MARGIE	R. L. Polk & Co.
1951	Pohlmann K A R9	Pacific Directory Co.
1950	P TLIMANN KARL A R	Pacific Telephone

FINDINGS

1117 E 152ND ST

Year	Uses	Source
1951	AParker J E R9	Pacific Directory Co.
1950	PARKER JASR	Pacific Telephone

1118 E 152ND ST

Year	Uses	Source
1951	Psalmonds R I R9	Pacific Directory Co.
1950	MCCLAIN WALTER WR	Pacific Telephone

1122 E 152ND ST

Year	Uses	Source
1951	Adams R L	Pacific Directory Co.
1950	PRICE ARTHUR R	Pacific Telephone

1123 E 152ND ST

Year	Uses	Source
1954	CLAYTON LARNEY M	R. L. Polk & Co.
1951	AWiemann D J	Pacific Directory Co.
1950	WIERNANO DANALD JR	Pacific Telephone

1127 E 152ND ST

Year	Uses	Source
1954	BLANTON DW	R. L. Polk & Co.
1951	ATabinq RH	Pacific Directory Co.
1950	TABING ROBT E R	Pacific Telephone

1128 E 152ND ST

Year	Uses	Source
1954	CATCHINGS ELMER	R. L. Polk & Co.
1951	n Ramsay H R	Pacific Directory Co.
1950	RAMSAY HAROLD R R	Pacific Telephone

1132 E 152ND ST

Year	Uses	Source
1954	LEWIS JEWELL	R. L. Polk & Co.
1951	ASippy S D R9	Pacific Directory Co.
1950	SIPPY S D MRS R	Pacific Telephone

1138 E 152ND ST

Year	Uses	Source
1954	QUINN AL G R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1951	AQuinn A G	Pacific Directory Co.
1950	QUINNI AL G R	Pacific Telephone

1143 E 152ND ST

Year	Uses	Source
1954	DRVOL EDW J R	R. L. Polk & Co.
1951	ADrvol E J R9	Pacific Directory Co.
1950	DRVOL EDWJ R	Pacific Telephone

1144 E 152ND ST

Year	Uses	Source
1951	ASaksa Wm	Pacific Directory Co.
1950	FRETAS J F R	Pacific Telephone

1147 E 152ND ST

Year	Uses	Source
1954	SEFER CHAS R	R. L. Polk & Co.
1951	ASefer Chas	Pacific Directory Co.
1950	SEFER CHAS R	Pacific Telephone

N DWIGHT AVE

105 N DWIGHT AVE

Year	Uses	Source
1980	HOOPER MICHAEL D	Pacific Telephone
1964	OROZCO OSCAR	Pacific Telephone
1960	OROZCO OSCAR	Pacific Telephone
1957	OROZCO OSCAR	Pacific Telephone

300 N DWIGHT AVE

Year	Uses	Source
1964	JORDAN BIRDIE	Pacific Telephone
1960	KNIGHT LOUIS	Pacific Telephone
1954	TRAMEL JAS H	R. L. Polk & Co.
1950	TRAMEL VIRGINIA R	Pacific Telephone

305 N DWIGHT AVE

Year	Uses	Source
1985	IRBY MARGIE	Pacific Bell
1980	GONZALEZ ANTONIO	Pacific Telephone
1957	HINKSON R J	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	WILLIAMS CHESTER D	R. L. Polk & Co.

311 N DWIGHT AVE

Year	Uses	Source
1960	LEWELLEN BINA	Pacific Telephone
1957	WILLIAMS NETTIE MRS	Pacific Telephone
1954	WILLIAMS NETTIE MRS	R. L. Polk & Co.
1950	SCUDDER JAS R	Pacific Telephone

N KEMP AVE

111 N KEMP AVE

Year	Uses	Source
1954	BENSON MABLE MRS	R. L. Polk & Co.

209 N KEMP AVE

Year	Uses	Source
2001	LEWIS Lorenco	Haines & Company, Inc.
1964	HOWARD W G	Pacific Telephone
1960	HOWARD W G	Pacific Telephone
1957	HOWARD W G	Pacific Telephone
1954	MOSES FLOYD	R. L. Polk & Co.

305 N KEMP AVE

Year	Uses	Source
1980	CULPEPPER BEATRICE	Pacific Telephone

309 N KEMP AVE

Year	Uses	Source
2001	RIOSJesus	Haines & Company, Inc.

311 N KEMP AVE

Year	Uses	Source
1985	TAPIA SALVADOR	Pacific Bell

313 N KEMP AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

315 N KEMP AVE

Year	Uses	Source
1980	CISNEROS LAZARO F	Pacific Telephone
1964	HIATT GERALD	Pacific Telephone
1960	HIATT GERALD	Pacific Telephone
1957	HIATT GERALD	Pacific Telephone
1954	HIATT GERALD R	R. L. Polk & Co.
1950	HIATT GERALD R	Pacific Telephone

S DWIGHT AVE

113 S DWIGHT AVE

Year	Uses	Source
1985	RAMIREZ ALEJANDRO MORENO	Pacific Bell

S Dwight Ave

153 S Dwight Ave

Year	Uses	Source
2014	KARRIEM ALI	EDR Digital Archive

S DWIGHT AVE

153 S DWIGHT AVE

Year	Uses	Source
1995	Perez R	Pacific Bell

S KEMP AVE

201 S KEMP AVE

Year	Uses	Source
2001	SMARTINEZJaime	Haines & Company, Inc.
1995	Martinez Angela A	Pacific Bell
1985	WIZARDARY ENTERPRISES	Pacific Bell

203 S KEMP AVE

Year	Uses	Source
2001	MARTINEZGlor	Haines & Company, Inc.
1995	Martinez Gloria	Pacific Bell
1981	GARNER YVONNE COMPTON	Pacific Telephone
1980	GARNER YVONNE	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	SMITH FERGUSON	Pacific Telephone

205 S KEMP AVE

Year	Uses	Source
1975	LONG SHARON	Pacific Telephone
1964	JOHNSON ERMA	Pacific Telephone
	JOHNSON OLIVER	Pacific Telephone
1960	BOND WESLEY	Pacific Telephone
	BOND DOROTHY MAE	Pacific Telephone
1957	WICKER JERRY	Pacific Telephone

S Kemp Ave

207 S Kemp Ave

Year	Uses	Source
2014	OLAGUE TREE & GARDEN SERVICE	EDR Digital Archive

S KEMP AVE

207 S KEMP AVE

Year	Uses	Source
2001	AGUILERAFran	Haines & Company, Inc.
1960	SMITH PEARL P	Pacific Telephone

SCHOOL

930 SCHOOL

Year	Uses	Source
1981	MITCHELL ERMA COMPTON	Pacific Telephone

W 151ST

932 W 151ST

Year	Uses	Source
1986	EDWARDS PEARLEAN COMPTON	Pacific Bell
1981	EDWARDS PEARLEAN COMPTON	Pacific Telephone
1971	Robinson Bobbie	Pacific Telephone

950 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

FINDINGS

964 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

1109 W 151ST

Year	Uses	Source
1981	WASHINGTON VIRGIL COMPTON	Pacific Telephone

W 151ST ST

910 W 151ST ST

Year	Uses	Source
1954	BENELL IRENE M	R. L. Polk & Co.

916 W 151ST ST

Year	Uses	Source
2001	8 MCCLOUDKathy	Haines & Company, Inc.
1964	PERRY LE ROY	Pacific Telephone
1957	DAKE JACK	Pacific Telephone
1954	SEMPLE DOUGLAS M R	R. L. Polk & Co.
1950	NAFFAIGER CHAS JR R	Pacific Telephone

918 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	HIRSHEL WM	R. L. Polk & Co.
	AFRICK MAY	R. L. Polk & Co.
1950	SMITH GEO J R	Pacific Telephone

924 W 151ST ST

Year	Uses	Source
2001	ENLLANCHELus 00 I	Haines & Company, Inc.
1964	MARSHALL CURRIE	Pacific Telephone
1960	BRADLEY EUGENE	Pacific Telephone
1957	TIMLIN WM D	Pacific Telephone
1954	TIMLIN WM D	R. L. Polk & Co.

926 W 151ST ST

Year	Uses	Source
2001	XXXXI I	Haines & Company, Inc.
1960	BLAYLOCK WILLARD E	Pacific Telephone

FINDINGS

932 W 151ST ST

Year	Uses	Source
2001	MACIELJuan 00 t	Haines & Company, Inc.
1985	EDWARDS PEARLEAN	Pacific Bell
1980	EDWARDS PEARLEAN	Pacific Telephone
1976	Edwards Pearlean	Pacific Telephone
1975	EDWARDS PEARLEAN	Pacific Telephone
1967	Robinson Bobbie	Pacific Telephone
1957	PEREZ EBARISTO PAUL	Pacific Telephone
1954	WOOLERY LENNETH A	R. L. Polk & Co.
1950	AULT GEO R	Pacific Telephone

934 W 151ST ST

Year	Uses	Source
2001	MACIELJuan M	Haines & Company, Inc.
1976	Mc Williams David	Pacific Telephone
1964	BOWMAN WM MRS	Pacific Telephone
1960	ZURITA CLARENCE	Pacific Telephone
1957	ZURITA CLARENCE	Pacific Telephone
1950	LUCAS JAS R R	Pacific Telephone

940 W 151ST ST

Year	Uses	Source
2001	HUDSO	Haines & Company, Inc.
1985	HUDSON KATE	Pacific Bell
1980	HUDSON KATE	Pacific Telephone
1975	HUDSON KATE	Pacific Telephone
1954	FARRIS SAML	R. L. Polk & Co.

942 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	BRADSHAW ROSETTA	Pacific Telephone
1960	ELIZONDO RAYMON	Pacific Telephone
1957	ELIZONDO RAYMON	Pacific Telephone
1950	ISAACS VIRGINIA	Pacific Telephone

948 W 151ST ST

Year	Uses	Source
2001	CASTROGerardo 00 HI	Haines & Company, Inc.
1985	SMITH WARREN H	Pacific Bell

FINDINGS

Year	Uses	Source
1960	SMITH WARREN H	Pacific Telephone

950 W 151ST ST

Year	Uses	Source
1976	Smith Elouise	Pacific Telephone
	Smith Warren H	Pacific Telephone
1964	SMITH WARREN H	Pacific Telephone
1960	MARSHALL CURRIE	Pacific Telephone
1958	Marshall Currie	Pacific Telephone
1957	BISHOP ARTIE BELLE	Pacific Telephone
1950	JOHNSON HELEN R	Pacific Telephone

956 W 151ST ST

Year	Uses	Source
2001	GUZMANGualbedo 00 o	Haines & Company, Inc.
1954	MERRILL ROBT R MRS	R. L. Polk & Co.
1950	THARP HOWARD W JR R	Pacific Telephone

958 W 151ST ST

Year	Uses	Source
2001	ORTEGAManuel J	Haines & Company, Inc.
1950	FORTTER W C R	Pacific Telephone

964 W 151ST ST

Year	Uses	Source
2001	OLMOSJuan	Haines & Company, Inc.
1975	GRIFFIN AGNES	Pacific Telephone
1960	HARRIS JOHN E	Pacific Telephone
1957	HARRIS JOHN E	Pacific Telephone
1954	RULE ELMER A R	R. L. Polk & Co.

966 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	LETTRIES CHAS W	Pacific Bell
1954	ENDRES PAUL B	R. L. Polk & Co.

972 W 151ST ST

Year	Uses	Source
2001	FRANKLIN Benose 00 D	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1975	FORD ANNIE	Pacific Telephone
1954	ARNS STEVEN D	R. L. Polk & Co.
1950	CARUSO CARL R	Pacific Telephone

974 W 151ST ST

Year	Uses	Source
2001	FRANKLIN D	Haines & Company, Inc.
1958	Bell Jas C	Pacific Telephone
1957	BELL JAS C	Pacific Telephone
1954	CARUSO CARL	R. L. Polk & Co.
1950	KAHN PETER H R	Pacific Telephone

1023 W 151ST ST

Year	Uses	Source
2001	RAMIREZAlen	Haines & Company, Inc.
1980	PERRALES BERNARD	Pacific Telephone
1975	MORALES ANSELMO	Pacific Telephone

1026 W 151ST ST

Year	Uses	Source
2001	GARCIA LUI	Haines & Company, Inc.
1985	PERALES ISABEL	Pacific Bell
1980	PERALES ISABEL	Pacific Telephone
1975	PERALES ISABEL	Pacific Telephone

1027 W 151ST ST

Year	Uses	Source
2001	FORDMdlon 00 i MCCLINTON Louilse V	Haines & Company, Inc.
1985	PIPER LOUISE V	Pacific Bell
1980	PIPER LOUISE V	Pacific Telephone
1975	PIPER LOUISE V	Pacific Telephone

1029 W 151ST ST

Year	Uses	Source
2001	LARA Emery 00 yr	Haines & Company, Inc.

1030 W 151ST ST

Year	Uses	Source
2001	ROBLES Maria	Haines & Company, Inc.
1980	PERALES HERMAN C & TERESA	Pacific Telephone

FINDINGS

1031 W 151ST ST

Year	Uses	Source
2001	DAVISLee	Haines & Company, Inc.

1034 W 151ST ST

Year	Uses	Source
2001	GIBSONEarl	Haines & Company, Inc.
1985	GONZALES MARIA	Pacific Bell
1980	GONZALEZ MARIA	Pacific Telephone

1102 W 151ST ST

Year	Uses	Source
2001	STEVERSONLois	Haines & Company, Inc.

1105 W 151ST ST

Year	Uses	Source
2001	DEBOSE Clilfford	Haines & Company, Inc.

W 151st St

1106 W 151st St

Year	Uses	Source
2014	MACCABEE FREIGHT SERVICES	EDR Digital Archive
2010	MACCABEE FREIGHT SERVICES	EDR Digital Archive

W 151ST ST

1106 W 151ST ST

Year	Uses	Source
2001	FINISTER	Haines & Company, Inc.
1976	Finister Addie	Pacific Telephone
1975	FINISTER ADDIE	Pacific Telephone

1109 W 151ST ST

Year	Uses	Source
2001	MARESDavid	Haines & Company, Inc.
1976	Washington ington ington Virgil	Pacific Telephone

1112 W 151ST ST

Year	Uses	Source
2001	8 BALLESTEROSLuisaa	Haines & Company, Inc.

FINDINGS

1115 W 151ST ST

Year	Uses	Source
2001	8 PADILLARicardo	Haines & Company, Inc.

1116 W 151ST ST

Year	Uses	Source
2001	BALLESTEROSR	Haines & Company, Inc.

1119 W 151ST ST

Year	Uses	Source
2001	8 MEZAJose	Haines & Company, Inc.
1980	GUERRA IGNACIO	Pacific Telephone

1120 W 151ST ST

Year	Uses	Source
2001	RODRIGUEZArturo 00 S	Haines & Company, Inc.

W 152ND

932 W 152ND

Year	Uses	Source
1981	SIMMONS CHAS E COMPTON	Pacific Telephone

972 W 152ND

Year	Uses	Source
1981	LEMELLE C D COMPTON	Pacific Telephone
1971	Howard Patsy	Pacific Telephone

975 W 152ND

Year	Uses	Source
1981	DAWSON JOS COMPTON	Pacific Telephone
1962	Fenderson Iley	Pacific Telephone

W 152ND PL

925 W 152ND PL

Year	Uses	Source
1950	F ER REBT HI R	Pacific Telephone

926 W 152ND PL

Year	Uses	Source
1985	SIMONTON THEO	Pacific Bell

Year	Uses	Source
1950	LRADFORD EARL A R	Pacific Telephone

933 W 152ND PL

Year	Uses	Source
1950	DROVDAL ORVILLE J R	Pacific Telephone

972 W 152ND PL

Year	Uses	Source
1980	LEMEILE C D	Pacific Telephone
1975	HOWARD PATSY	Pacific Telephone
1964	BALL LILLIE	Pacific Telephone
	NORWOOD CHAS	Pacific Telephone
1950	FELDMAN BERNARD G R	Pacific Telephone

973 W 152ND PL

Year	Uses	Source
1985	ROJAS EFRAIN	Pacific Bell
1954	TOOLE RICHARD D	R. L. Polk & Co.
1950	FELIX JAS P LOS ANGELES MIRROR DISTR	Pacific Telephone

W 152ND ST

908 W 152ND ST

Year	Uses	Source
2001	GRAYS Kim	Haines & Company, Inc.
1950	STUCKER DANI0R	Pacific Telephone

909 W 152ND ST

Year	Uses	Source
1954	KNUDSON MARVIN	R. L. Polk & Co.

910 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MALLORY THURRON E	Pacific Telephone
1954	EVANS E E	R. L. Polk & Co.

916 W 152ND ST

Year	Uses	Source
2001	GARIBAYDa Vid	Haines & Company, Inc.

Year	Uses	Source
1964	LEMONS LUCILLE	Pacific Telephone
1960	LEMONS LUCILLE	Pacific Telephone
1950	HAUSER ROBT G R	Pacific Telephone

917 W 152ND ST

Year	Uses	Source
2001	AVALOSRodnguez Maria	Haines & Company, Inc.
1960	HARRIS BETTI CAROL	Pacific Telephone
1957	WILSON MAMIE G	Pacific Telephone
	JOHNSON HORTESSE	Pacific Telephone
1954	SPAPNOLA EUGENE P	R. L. Polk & Co.

918 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	DOUGLAS ALLEN JR	Pacific Telephone
1957	THOMAS H W	Pacific Telephone
1954	SILLS EDW R	R. L. Polk & Co.
1950	SILLS EDW R	Pacific Telephone

919 W 152ND ST

Year	Uses	Source
2001	VEGA Maria	Haines & Company, Inc.
1964	HARRIS NAPOLEON	Pacific Telephone
1954	GERHARD GLORIA	R. L. Polk & Co.

W 152nd St

924 W 152nd St

Year	Uses	Source
2010	RUFINO DANIEL	EDR Digital Archive

W 152ND ST

924 W 152ND ST

Year	Uses	Source
2001	CRUZ Daniel	Haines & Company, Inc.
1950	GUSTAFSON ARTHUR A R	Pacific Telephone

FINDINGS

925 W 152ND ST

Year	Uses	Source
2001	GARAYRamon	Haines & Company, Inc.
1976	Mc Carty Beatrice	Pacific Telephone

926 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

927 W 152ND ST

Year	Uses	Source
2001	RAMIREZEsmeralda	Haines & Company, Inc.
1950	LEWIS JOHN CLARKR	Pacific Telephone

932 W 152ND ST

Year	Uses	Source
2001	GOMEZPedro	Haines & Company, Inc.
1976	Simmons Chas E	Pacific Telephone
1967	Simmons Chas E	Pacific Telephone
1954	FISHBEIN SOL	R. L. Polk & Co.

933 W 152ND ST

Year	Uses	Source
2001	SWILLISDewlu	Haines & Company, Inc.
1954	DICKHUDT WM D	R. L. Polk & Co.

934 W 152ND ST

Year	Uses	Source
1964	SMITH EVELYN	Pacific Telephone
1954	M HOINOSKI FRANK	R. L. Polk & Co.
1950	FINEGAN HARLAND S R	Pacific Telephone

935 W 152ND ST

Year	Uses	Source
1954	HAUSKINS ROY H	R. L. Polk & Co.

940 W 152ND ST

Year	Uses	Source
2001	PORTILLOYadira	Haines & Company, Inc.
1954	FARMER WANDA R	R. L. Polk & Co.
1950	FARMER WANDAR	Pacific Telephone

FINDINGS

941 W 152ND ST

Year	Uses	Source
2001	ROSSTheodore	Haines & Company, Inc.
1954	FULLER PATRICIA ANN	R. L. Polk & Co.

942 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	BUOKRIDQE RUSSELL R R	R. L. Polk & Co.

943 W 152ND ST

Year	Uses	Source
1964	DUNCAN MILTON	Pacific Telephone
1960	DUNCAN MILTON	Pacific Telephone
1957	DUNCAN MILTON	Pacific Telephone
1954	SWANGER ROBT D	R. L. Polk & Co.

948 W 152ND ST

Year	Uses	Source
1960	HENDERSON JAS D	Pacific Telephone
1950	BEST GORU4UN BR	Pacific Telephone

949 W 152ND ST

Year	Uses	Source
2001	NAVAREmili o	Haines & Company, Inc.
1958	Sanders Richard A	Pacific Telephone

950 W 152ND ST

Year	Uses	Source
1957	GLENN JAS D	Pacific Telephone
1954	BATESOLE KENNETH L R	R. L. Polk & Co.
1950	BATESCIE KENNETH L R	Pacific Telephone

951 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

956 W 152ND ST

Year	Uses	Source
2001	SWILLIAMSKeilh	Haines & Company, Inc.
1964	SMITH RECIE	Pacific Telephone
1954	SHAON WM V	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1950	SCHARFENBERG GEO W R	Pacific Telephone

957 W 152ND ST

Year	Uses	Source
2001	TORRESGollleemo	Haines & Company, Inc.
1960	FLETCHER ADELL	Pacific Telephone
1950	LAIRD WESLEY W R	Pacific Telephone

958 W 152ND ST

Year	Uses	Source
1960	COOPER CLARENCE	Pacific Telephone
1957	SMITH ROBT H	Pacific Telephone
1954	HONEYCUTT DONALD B R	R. L. Polk & Co.
1950	HONEYCUTT DONALD BR	Pacific Telephone

959 W 152ND ST

Year	Uses	Source
2001	TORRESMaria	Haines & Company, Inc.
1964	TUCKER LONZO	Pacific Telephone
1960	TUCKER LONZO	Pacific Telephone
1954	PERRY GORDON E	R. L. Polk & Co.
1950	TAYLOR F J DR R	Pacific Telephone

964 W 152ND ST

Year	Uses	Source
2001	POLK Sylvester	Haines & Company, Inc.

965 W 152ND ST

Year	Uses	Source
2001	GOSZALEZIvete	Haines & Company, Inc.
1960	HUBER BURT	Pacific Telephone
1954	BREWER WM H	R. L. Polk & Co.

966 W 152ND ST

Year	Uses	Source
1967	Williams Dwight	Pacific Telephone
1960	THOMPSON JEANETTE	Pacific Telephone
1957	THOMPSON ALTON	Pacific Telephone
1950	ROBAUGH JOHN W R	Pacific Telephone

FINDINGS

967 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	WILLIS JOE W	Pacific Telephone
1957	HALL HARMON M	Pacific Telephone
1954	HALL HARMON M	R. L. Polk & Co.
1950	GETZ J S DR R	Pacific Telephone

972 W 152ND ST

Year	Uses	Source
2001	JACKSON Charles	Haines & Company, Inc.
1976	Howard Patsy	Pacific Telephone

973 W 152ND ST

Year	Uses	Source
2001	VILLALOBOS	Haines & Company, Inc.

974 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1976	Chevis Minnie	Pacific Telephone

975 W 152ND ST

Year	Uses	Source
2001	CEJAJo	Haines & Company, Inc.
1960	FENDERSON ILEY	Pacific Telephone
1957	FENDERSON ILEY	Pacific Telephone

980 W 152ND ST

Year	Uses	Source
1957	KOTARSKI VINCENT	Pacific Telephone

982 W 152ND ST

Year	Uses	Source
2001	GRAY Le	Haines & Company, Inc.
1967	Bowser Avis	Pacific Telephone
1964	BOWSER AVIS	Pacific Telephone
1950	PFEIFER ROBT H R	Pacific Telephone

1003 W 152ND ST

Year	Uses	Source
2001	WILLISEmmett	Haines & Company, Inc.

FINDINGS

1004 W 152ND ST

Year	Uses	Source
2001	CHANLin	Haines & Company, Inc.

1007 W 152ND ST

Year	Uses	Source
2001	BRAMBILADnlores	Haines & Company, Inc.

1011 W 152ND ST

Year	Uses	Source
2001	TANNER James	Haines & Company, Inc.

1015 W 152ND ST

Year	Uses	Source
2001	GONZALEZRoque	Haines & Company, Inc.

1016 W 152ND ST

Year	Uses	Source
2001	RODRIGUEZF	Haines & Company, Inc.

1019 W 152ND ST

Year	Uses	Source
2001	ALVARADOManue	Haines & Company, Inc.

1100 W 152ND ST

Year	Uses	Source
2001	OWEBBERArchie	Haines & Company, Inc.

1108 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1114 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1115 W 152ND ST

Year	Uses	Source
2001	SACEVESAlberto	Haines & Company, Inc.

1117 W 152ND ST

Year	Uses	Source
2001	GONZALEZNalividad	Haines & Company, Inc.

FINDINGS

1118 W 152ND ST

Year	Uses	Source
2001	SANDOVALCarlos	Haines & Company, Inc.

W ALMOND ST

937 W ALMOND ST

Year	Uses	Source
2001	KIRKS Karen	Haines & Company, Inc.
1985	WYNNE GEO H	Pacific Bell
1964	WYNNE GEO H	Pacific Telephone
1960	WYNNE GEO H	Pacific Telephone
1954	DERBYSHIRE EDGAR W R	R. L. Polk & Co.
1951	Derbyshire E W	Pacific Directory Co.

941 W ALMOND ST

Year	Uses	Source
2001	OCLAYTONMae	Haines & Company, Inc.
1954	KESSLERJ L R	R. L. Polk & Co.
1951	AKesslcr J K	Pacific Directory Co.
1950	KESSLER J K R	Pacific Telephone

945 W ALMOND ST

Year	Uses	Source
2001	NETTLES Freddie L	Haines & Company, Inc.
1985	PRINCE T C	Pacific Bell
1960	PRINCE T C	Pacific Telephone
1957	PRINCE T C	Pacific Telephone
1954	GWIN KENCETH E R	R. L. Polk & Co.
1951	AGwin K E	Pacific Directory Co.
1950	GWIN KENNETH E R	Pacific Telephone

949 W ALMOND ST

Year	Uses	Source
2001	SWANSONImogene	Haines & Company, Inc.
1985	SWANSON IMOGENE	Pacific Bell
1976	Swanson Imogene	Pacific Telephone
1964	WILLIAMS ROBT A	Pacific Telephone
1957	WILLIAMS R G	Pacific Telephone
1954	MILLER JOHN L R	R. L. Polk & Co.
1951	AMiller J L	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1950	MILLER JOHN L R	Pacific Telephone

953 W ALMOND ST

Year	Uses	Source
1985	MATHERSHED W	Pacific Bell
1980	MATHERSHED W	Pacific Telephone
1975	MATHERSHED W	Pacific Telephone
1957	OCELLO LOUIS C	Pacific Telephone
1954	OCELLO LOUIS C R	R. L. Polk & Co.
1951	AOcello L S	Pacific Directory Co.

957 W ALMOND ST

Year	Uses	Source
2001	DIAZArtuna	Haines & Company, Inc.
1960	GOMEZ MAX	Pacific Telephone
1957	GOMES MAX	Pacific Telephone
1954	GOMEZ MAX	R. L. Polk & Co.
1951	ABurgesser F W	Pacific Directory Co.
1950	BURGESSER F W R	Pacific Telephone

961 W ALMOND ST

Year	Uses	Source
2001	FAULKNERTommy	Haines & Company, Inc.
1980	FAULKNER TOMMY L JR	Pacific Telephone
1975	FAULKNER TUMMY L JR	Pacific Telephone
1964	BISHOP BEATRICE N	Pacific Telephone
1951	APorter H J	Pacific Directory Co.
1950	WILES C HR	Pacific Telephone

965 W ALMOND ST

Year	Uses	Source
1985	POOL JAS	Pacific Bell
1980	POOL JAS	Pacific Telephone
1975	POOL JAS	Pacific Telephone
1951	AKaplanek R J	Pacific Directory Co.

969 W ALMOND ST

Year	Uses	Source
2001	SBATTLE Nathan	Haines & Company, Inc.
1985	JONES SHIRLEY	Pacific Bell

FINDINGS

Year	Uses	Source
1960	WIEGELT ROBT	Pacific Telephone
1957	WIEGELT ROBT	Pacific Telephone
1954	WIEGELT ROBTR	R. L. Polk & Co.
1951	AWiegelt Robt	Pacific Directory Co.
1950	WIEGELT ROBTR	Pacific Telephone

973 W ALMOND ST

Year	Uses	Source
2001	WIMNM	Haines & Company, Inc.
1985	WRAGGS LESSIE DEAN	Pacific Bell
	WRAGGS LESSIE D	Pacific Bell
1976	Wraggs Lessie Dean	Pacific Telephone
1964	KELLY JAS	Pacific Telephone
1960	BLAIZE ALDWIN L	Pacific Telephone
1957	BLAIZE ALDWIN L	Pacific Telephone
1954	LASS H W MIKE R	R. L. Polk & Co.
1951	ALass H W M	Pacific Directory Co.
1950	LASS H W MIKE R	Pacific Telephone

1001 W ALMOND ST

Year	Uses	Source
2001	SMERCADOSeraltio	Haines & Company, Inc.
1985	TAYLOR ROSIE	Pacific Bell
1980	ESTERS WINSTON J SR	Pacific Telephone
1975	ESTERS WINSTON J SR	Pacific Telephone
1960	ESTERS ROYCE W	Pacific Telephone
1954	ROBINSON ROSS A R	R. L. Polk & Co.
1951	ARobinson R A	Pacific Directory Co.
1950	SMITH WM IT COMDR RET R	Pacific Telephone

1005 W ALMOND ST

Year	Uses	Source
1964	TRAMBLE SYLVESTER	Pacific Telephone
1957	JAMES ISABELLE	Pacific Telephone
1954	TREWEEK LOYAL S R	R. L. Polk & Co.
1951	ATrewecp L S	Pacific Directory Co.
1950	AMES WM A JR R	Pacific Telephone

FINDINGS

1009 W ALMOND ST

Year	Uses	Source
2001	DANDRIDGEHyacinth	Haines & Company, Inc.
1985	DANDRIDGE DARLENE M	Pacific Bell
	LAKE HYACINTH M	Pacific Bell
1980	DANDRIDGE DARLENE M	Pacific Telephone
	LAKE HYACINTH M	Pacific Telephone
1976	Lake Hyacinth M	Pacific Telephone
	Dandridge Hiedy V	Pacific Telephone
1975	LAKE HYACINTH M	Pacific Telephone
	DANDRIGE DARLENE M	Pacific Telephone
1964	LAKE HYACINTH M	Pacific Telephone
1960	LAKE HYACINTH M	Pacific Telephone
1958	Lake Hyacinth M	Pacific Telephone
1957	LAKE HYACINTH NI	Pacific Telephone
1954	DANDRIDGE HENRY	R. L. Polk & Co.
1951	ADorsott H H	Pacific Directory Co.
1950	DORSETT H H R	Pacific Telephone

W COMPTON BLVD

851 W COMPTON BLVD

Year	Uses	Source
2001	BCCTRUCKINGAND	Haines & Company, Inc.
1995	Davis Linn atty at law	Pacific Bell
	Duncan Anthony DDS	Pacific Bell
	Ortega John Ratty	Pacific Bell
	Joyce Maureen C atty	Pacific Bell
1976	Carter Philip M atty	Pacific Telephone
	Hall Roland W Sr atty	Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION	Pacific Telephone
1971	Action Enterprises	Pacific Telephone
	Washington Geo Jr Dr dntst	Pacific Telephone
1964	WASHINGTON GEO JR DR DNTST	Pacific Telephone

857 W COMPTON BLVD

Year	Uses	Source
1964	K C APPLIANCES & SERV	Pacific Telephone
1954	ZUCKWEILER W E	R. L. Polk & Co.

Year	Uses	Source
1951	AGump Bros poultry	Pacific Directory Co.

861 W COMPTON BLVD

Year	Uses	Source
2001	FRANKSBARBER	Haines & Company, Inc.
1951	1/2 Dale W W	Pacific Directory Co.
	Belin L M Mrs	Pacific Directory Co.

W Compton Blvd

863 W Compton Blvd

Year	Uses	Source
2014	MARSHALL TERRY	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive
2010	MARSHALL / SONS LANDSCAPING CO	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive

W COMPTON BLVD

863 W COMPTON BLVD

Year	Uses	Source
2001	LOZANOJosfeina 00 I	Haines & Company, Inc.
1995	Elizarraras Emigdio	Pacific Bell
1975	AGUILAR GLORIA	Pacific Telephone
1964	HODGE GULOY V	Pacific Telephone
	HODGE LENA K	Pacific Telephone
1957	DEMOREE FRANK	Pacific Telephone
1951	ASpencer W S	Pacific Directory Co.
1950	SPENCER WM S R	Pacific Telephone

873 W COMPTON BLVD

Year	Uses	Source
2001	HEINANDEZBsmardo	Haines & Company, Inc.

W Compton Blvd

891 W Compton Blvd

Year	Uses	Source
2010	GRIMALDO RUBEN	EDR Digital Archive

FINDINGS

W COMPTON BLVD

891 W COMPTON BLVD

Year	Uses	Source
2001	TORREZRa 5a	Haines & Company, Inc.
1975	HOLLOWAY MELVILLE J	Pacific Telephone
1964	HOLLOWAY MELVILLE J	Pacific Telephone
1960	HOLLOWAY MELVILLE J	Pacific Telephone
1957	HOLLOWAY MELVILLE J	Pacific Telephone
1954	SONES WAYNE H R	R. L. Polk & Co.
1951	ASoncs W H	Pacific Directory Co.
1950	SONES WAYNE H R	Pacific Telephone
1947	Sones W H	Pacific Directory Co.

W Compton Blvd

901 W Compton Blvd

Year	Uses	Source
2014	ANTISTA INC	EDR Digital Archive

W COMPTON BLVD

901 W COMPTON BLVD

Year	Uses	Source
2001	SDALEShrley	Haines & Company, Inc.
1985	DALES APPLIANCES & SERVICE	Pacific Bell
1980	DALES APPLIANCES & SERVICE	Pacific Telephone
1975	DALE S APPLIANCES & SERVICE	Pacific Telephone
1964	FASHION CLEANERS	Pacific Telephone
1960	FASHION CLEANERS	Pacific Telephone
1957	GEORGE S CLEANERS	Pacific Telephone
1954	EXCEL CLEANERS	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Vacant	Pacific Directory Co.

W Compton Blvd

903 W Compton Blvd

Year	Uses	Source
2010	J ROOFING	EDR Digital Archive

FINDINGS

W COMPTON BLVD

903 W COMPTON BLVD

Year	Uses	Source
2001	DANIELSRENTAL	Haines & Company, Inc.
1971	Countee Noyal Realty	Pacific Telephone
1954	HENRIETTA S BEAUTY SALON	R. L. Polk & Co.

W Compton Blvd

905 W Compton Blvd

Year	Uses	Source
2010	FLAVA INC	EDR Digital Archive

W COMPTON BLVD

905 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Sir Chriss Beauty Salon	Pacific Bell
1985	HAIR AND NAILS UNLIMITED	Pacific Bell
	HAIR AND NAILS UNLIMITED	Pacific Bell
1976	Calloway Monument Co	Pacific Telephone
	Calloway Harry	Pacific Telephone
1960	ALCO MAINTENANCE CO	Pacific Telephone
1957	WOODS RADIO & TV SHOP	Pacific Telephone
1951	Vacant	Pacific Directory Co.

W Compton Blvd

909 W Compton Blvd

Year	Uses	Source
2014	CALLOWAY MONUMENT CO	EDR Digital Archive
2010	CALLOWAY MONUMENT CO	EDR Digital Archive

W COMPTON BLVD

909 W COMPTON BLVD

Year	Uses	Source
2001	CALLOWAYMNMNTCO	Haines & Company, Inc.
1995	Calloway Monument Co	Pacific Bell

Year	Uses	Source
1964	ALCO MAINTENANCE CO	Pacific Telephone
1957	MULE TRUCK LINE	Pacific Telephone
1951	AFowlie W H trailer rentals	Pacific Directory Co.
1950	FOWLIE WM H TRAILR RENTALS	Pacific Telephone
1947	Fowlie W H trailer rentals	Pacific Directory Co.

W Compton Blvd

911 W Compton Blvd

Year	Uses	Source
2014	WALKERS TV SERVICE	EDR Digital Archive
	BJ WALKERS TV SERVICE	EDR Digital Archive
2010	BJ WALKERS TV SERVICE	EDR Digital Archive
	WALKERS TV SERVICE	EDR Digital Archive

W COMPTON BLVD

911 W COMPTON BLVD

Year	Uses	Source
2001	TILLMANLinda 00 I WALKERSAPPLIANCE	Haines & Company, Inc.
1995	Walkers Appliance Service	Pacific Bell
	Walkers TV Service	Pacific Bell
1960	NU-FASHION BARBER SHOP	Pacific Telephone
1957	EXCEL CLEANERS	Pacific Telephone

913 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MADDOX CLIFFORD	Pacific Bell

919 W COMPTON BLVD

Year	Uses	Source
2001	ANDRESWROUGHT	Haines & Company, Inc.
1995	One Day Home Care Iron Sales	Pacific Bell
1980	PACIFIC EXPRESS ORNAMENTAL IRON	Pacific Telephone
1975	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone
	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	SINE WAVE CORP	Pacific Telephone

923 W COMPTON BLVD

Year	Uses	Source
1960	EXCEL CLEANERS	Pacific Telephone

925 W COMPTON BLVD

Year	Uses	Source
1940	Vacant	Los Angeles Directory Co.

W Compton Blvd

929 W Compton Blvd

Year	Uses	Source
2010	MUEBLERIA LOS AMIGOS	EDR Digital Archive

W COMPTON BLVD

929 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1957	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1954	MAC S RADIATOR SERV	R. L. Polk & Co.
1951	AMacs Radiator Serv	Pacific Directory Co.
1950	MAC S RADIATOR SERV	Pacific Telephone

933 W COMPTON BLVD

Year	Uses	Source
2001	CENTRLSYSTEMS	Haines & Company, Inc.
1980	A A AUTO REPAIR	Pacific Telephone
1975	A A AUTO REPAIR	Pacific Telephone
1964	A A A AUTO REPAIR	Pacific Telephone

935 W COMPTON BLVD

Year	Uses	Source
2001	SOOOAshok	Haines & Company, Inc.

FINDINGS

937 W COMPTON BLVD

Year	Uses	Source
1957	TOPANGA TUBE CO ELECTREC TUBES	Pacific Telephone
1954	HUB CITY UPHOLSTERY	R. L. Polk & Co.
1951	ACompton Mattress Shop	Pacific Directory Co.
1950	COMPTON MATTRESS CO	Pacific Telephone

W Compton Blvd

939 W Compton Blvd

Year	Uses	Source
2010	YOUNGS STYLE CENTER	EDR Digital Archive

W COMPTON BLVD

939 W COMPTON BLVD

Year	Uses	Source
2001	YOUNGSSTYLE	Haines & Company, Inc.
1995	Youngs Style Center	Pacific Bell
	Youngs Style Center	Pacific Bell
1985	WIZ STORE	Pacific Bell
1964	WATKINS PRODUCTS DISTRIBUTORS	Pacific Telephone
1960	G S PUBLIC RELATION SYSTEM	Pacific Telephone
1957	NOMIA S BEAUTY SALON	Pacific Telephone
1954	MYHAND-KELLY HDWE CO	R. L. Polk & Co.
1951	AMyhand Kelly Hdw Co	Pacific Directory Co.
1950	MYHAND-KEILY HDWE CO	Pacific Telephone

940 W COMPTON BLVD

Year	Uses	Source
1947	Enterprise High Schi	Pacific Directory Co.

W Compton Blvd

941 W Compton Blvd

Year	Uses	Source
2010	DIAZ JOSE M	EDR Digital Archive

FINDINGS

W COMPTON BLVD

941 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	ADELL S BAR-B-Q	Pacific Bell
1980	ADELLS BAR B Q	Pacific Telephone
1975	ADELLS BAR B Q	Pacific Telephone
1964	LEONARD S BAR-B-Q	Pacific Telephone
1960	HARRIS BAR-B-QUE	Pacific Telephone
1957	GLOSSON S BARBECUE	Pacific Telephone
1954	KATHIE S CHICKEN PIES	R. L. Polk & Co.
1951	a Offenhauscr Fred	Pacific Directory Co.
	AOffenhauser Fred bakery	Pacific Directory Co.
1950	KATBIE S CHICKEN PIES	Pacific Telephone
1947	Barclay Albt bkry	Pacific Directory Co.

945 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Tapia Maria Elena	Pacific Bell
	Carolyn Fikess Gifts	Pacific Bell
	One Nation Enterprise	Pacific Bell
1985	HUBBARD WILLIE B	Pacific Bell
1960	FORST BESSIE M	Pacific Telephone
1954	FORST W E R	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
	AForat W E	Pacific Directory Co.
1950	FORST W E R	Pacific Telephone
1947	Forst & Son radiator repr	Pacific Directory Co.
	Under Construction	Pacific Directory Co.

962 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

963 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

965 W COMPTON BLVD

Year	Uses	Source
1975	MEYERS GENE	Pacific Telephone
1971	Acme Answering Service	Pacific Telephone
1964	ACME ANSWERING SERV	Pacific Telephone
1960	KELSEYS TERMITE CONTROL CO	Pacific Telephone
1957	AGUAYO JOSE	Pacific Telephone
1951	AStanley J D	Pacific Directory Co.
1950	WORKMAN OSCAR MRS R	Pacific Telephone

975 W COMPTON BLVD

Year	Uses	Source
1995	Flowers & Much More	Pacific Bell
	Gonzalez Rosa	Pacific Bell
1980	GRAY TRUMAN	Pacific Telephone

979 W COMPTON BLVD

Year	Uses	Source
1985	J P SAMPLE SHOP	Pacific Bell
1980	J P SAMPLE SHOP	Pacific Telephone
1975	J P SAMPLE SHOP	Pacific Telephone

981 W COMPTON BLVD

Year	Uses	Source
1985	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Bell
	WEBB S PIANO SERVICE	Pacific Bell
1980	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Telephone
1976	Woolfolk Henderson K Ins Agcy	Pacific Telephone
	Henderson K Woolfolk Ins Agcy	Pacific Telephone
1975	HENDERSON K WOOLFOLK INS ASCY	Pacific Telephone
1964	S S S MEN S CLOTHING & CERAMICS	Pacific Telephone

W Compton Blvd

983 W Compton Blvd

Year	Uses	Source
2014	LORETOS FRIED TURKEY	EDR Digital Archive
2010	LORETOS FRIED TURKEY	EDR Digital Archive

FINDINGS

W COMPTON BLVD

983 W COMPTON BLVD

Year	Uses	Source
1985	SIMS CHOP SUEY NO 5	Pacific Bell
1975	CARL S CANDY STORE	Pacific Telephone

W Compton Blvd

985 W Compton Blvd

Year	Uses	Source
2010	V NEWS	EDR Digital Archive

W COMPTON BLVD

985 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1985	UNITED RUBBER WORKERS OF AMERICA LOCAL NO 451 AFLCIO	Pacific Bell
1964	WEBB S PIANO SHOP	Pacific Telephone
	WEBB OTBA L WEBB S PIANO SHOP	Pacific Telephone

987 W COMPTON BLVD

Year	Uses	Source
2001	BAILEYJulia	Haines & Company, Inc.
1995	Scott & Tolberts Barber Shop	Pacific Bell
1985	SCOTT & TOLBERT S BARBER SHOP	Pacific Bell

W Compton Blvd

989 W Compton Blvd

Year	Uses	Source
2010	HOUSE OF BEAUTY	EDR Digital Archive

W COMPTON BLVD

989 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1995	Wessie & Jeanette House Of Beauty	Pacific Bell

Year	Uses	Source
1985	WESSIE & JEANETTE HOUSE OF BEAUTY	Pacific Bell

995 W COMPTON BLVD

Year	Uses	Source
1985	QTS	Pacific Bell
1980	BARBARA ANN COMMUNITY MARKET	Pacific Telephone
1975	MCDANIEL MKT	Pacific Telephone
1964	MCDANIEL MKT	Pacific Telephone
1960	MCDANIEL MKT	Pacific Telephone

W Compton Blvd

1001 W Compton Blvd

Year	Uses	Source
2010	HOOPERS CARPETS	EDR Digital Archive
	COOPERS AUTO	EDR Digital Archive

W COMPTON BLVD

1001 W COMPTON BLVD

Year	Uses	Source
2001	3 DOBSONLIllie	Haines & Company, Inc.
1995	Hoopers Carpet	Pacific Bell
1985	HOOPER S CARPET	Pacific Bell
1980	HOOPERS CARPET	Pacific Telephone
1975	HOLIFIELD CARPET CO	Pacific Telephone
1954	WALTON S RICHFIELD SERV	R. L. Polk & Co.
1951	a Sinclair C B	Pacific Directory Co.
	Sinclair C B gas sta	Pacific Directory Co.
1947	Sinclair C B gas sta	Pacific Directory Co.

1009 W COMPTON BLVD

Year	Uses	Source
1995	Brack Berkley Billiards	Pacific Bell
	Nancys Nails	Pacific Bell

FINDINGS

W Compton Blvd

1011 W Compton Blvd

Year	Uses	Source
2010	NU 2 U THRIFT STORE	EDR Digital Archive

W COMPTON BLVD

1011 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	BLACKSHIRE JERRY TRUCKING GARDENA	Pacific Bell
1985	BLACKSHIRE JERRY TRUCKING	Pacific Bell
1957	JONES MARVIN A	Pacific Telephone
1954	HUGHES ROBT R	R. L. Polk & Co.
1951	Hughes RR	Pacific Directory Co.
1947	Rushlow H C	Pacific Directory Co.

W Compton Blvd

1015 W Compton Blvd

Year	Uses	Source
2010	NANCY NAILS	EDR Digital Archive

W COMPTON BLVD

1015 W COMPTON BLVD

Year	Uses	Source
1985	COMPTON CRUSADE OUTREACH	Pacific Bell
1980	COMPTON CRUSADE OUTREACH	Pacific Telephone

W Compton Blvd

1016 W Compton Blvd

Year	Uses	Source
2014	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive
2010	YOUNGKON CORP	EDR Digital Archive
	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1016 W COMPTON BLVD

Year	Uses	Source
2001	NATES LIQUOR	Haines & Company, Inc.
1995	Nates Liquor	Pacific Bell
1985	NATE S LIQUOR	Pacific Bell
1980	B & G LIQUOR	Pacific Telephone
1975	MEMO LIQUOR INC	Pacific Telephone
1964	MEMO LIQUOR INC	Pacific Telephone
1947	Copeland Ferne	Pacific Directory Co.

1018 W COMPTON BLVD

Year	Uses	Source
2001	MORALESReyes	Haines & Company, Inc.
1995	Fierros Carmen	Pacific Bell
1960	ANNIE RUTHS PHYSICAL THERAPY SERV	Pacific Telephone
1947	Mc Laughlin J T	Pacific Directory Co.

1020 W COMPTON BLVD

Year	Uses	Source
2001	DRTEGARodolo 00 I	Haines & Company, Inc.
1985	HOLIFIELD CLEVELAND SR	Pacific Bell
1980	MUHAMMAD SHADEED	Pacific Telephone
	HOLIFIELD CLEVELAND SR	Pacific Telephone
1971	Victorian Annie Ruth	Pacific Telephone
	Rhoten Annie Ruth Dr	Pacific Telephone
1960	WALLENDAL BERNICE H	Pacific Telephone
	HODGE LENA K	Pacific Telephone
	HODGE GULEY V	Pacific Telephone
1954	TORY TESTER W	R. L. Polk & Co.

W Compton Blvd

1021 W Compton Blvd

Year	Uses	Source
2010	J J PLACE	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1021 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	B S CLEANERS	Pacific Telephone
1975	B S CLEANERS	Pacific Telephone
1964	R & H MEAT	Pacific Telephone
1960	POLLARD S MKT	Pacific Telephone
1957	POLLARD S MKT	Pacific Telephone
1954	DERRY S MKT	R. L. Polk & Co.
1951	Derry V gro	Pacific Directory Co.
	a enoo Drrv Dale	Pacific Directory Co.
1950	DERRY S MKT	Pacific Telephone
1947	Derrys Market	Pacific Directory Co.
	a Derry Dale	Pacific Directory Co.

1022 W COMPTON BLVD

Year	Uses	Source
1995	Family Charitable & Educational Services	Pacific Bell
1985	EXOTIC INN MOTEL	Pacific Bell
1967	Science of Desired Living Institute Hdqtrs The	Pacific Telephone
1964	TEMPLE OF DESIRED LIVING THE	Pacific Telephone
1950	HALL JOLER	Pacific Telephone
1947	Hall J D	Pacific Directory Co.

1023 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Willie Perrys	Pacific Bell
1985	WILLIE PERRYS	Pacific Bell
1975	OTTO S SERVICE CENTER	Pacific Telephone
1964	CREWR MUFFLER SHOP	Pacific Telephone
1960	CREW R MUFFLER SHOP	Pacific Telephone
1957	CREW R FIX-IT SHOP	Pacific Telephone
1954	GENUNG JESSIE M	R. L. Polk & Co.
	TAYLOR HARRY L	R. L. Polk & Co.
1951	a Genunq Eula Mrs	Pacific Directory Co.
1947	Erlitz P F printer	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	a Genung Eula Mrs	Pacific Directory Co.

1025 W COMPTON BLVD

Year	Uses	Source
1964	SAMPSON BERNICE	Pacific Telephone
1960	COOPER VARREE	Pacific Telephone
1957	BALSTAD GERHARD	Pacific Telephone
1954	BALSTAD GERHARD R	R. L. Polk & Co.
1951	ABalstad Gerhard	Pacific Directory Co.
1950	BALSTAD GERHARD R	Pacific Telephone
1947	Savage Ralph	Pacific Directory Co.

1027 W COMPTON BLVD

Year	Uses	Source
1957	MARSHALL JESSIE M	Pacific Telephone
1954	WHITE SALLIE F	R. L. Polk & Co.
1951	Kummcrfeld Keith	Pacific Directory Co.
1947	Balstad Gerhard	Pacific Directory Co.

1028 W COMPTON BLVD

Year	Uses	Source
1990	RUSHING NORT S GARDENA	Pacific Bell
1986	RUSHING NORT S GARDENA	Pacific Bell
	WILLIAMS JIMMIE JR GARDENA	Pacific Bell
1985	APPLEWHITE R	Pacific Bell
	CHO WOO JAE	Pacific Bell
	HUNT MARTHA	Pacific Bell
	JACOBSON JEFF Y	Pacific Bell
	JUNG WOONG-KIL	Pacific Bell
	LESSER M B	Pacific Bell
	MA T	Pacific Bell
	MARTINEZ ROSA	Pacific Bell
	MC DEVITT K	Pacific Bell
	MOY SHUK K	Pacific Bell
	NIZAMI ARIF	Pacific Bell
	NUGENT MARK	Pacific Bell
	QUO VADIS APARTMENTS I	Pacific Bell
	RUSHING NORT S	Pacific Bell
	SANCHEZ MARIO	Pacific Bell

FINDINGS

Year	Uses	Source
1985	SULLINS HARVEY E	Pacific Bell
	THOMAS ELIZABETH	Pacific Bell
	WEBB WILLIE LEE	Pacific Bell
	WHEELER CORNELL	Pacific Bell
	WILLIAMS JIMMIE JR	Pacific Bell
	YESSAAD KARIM	Pacific Bell
	YOON KI SEUNG	Pacific Bell
1981	AREDAS DANL GARDENA	Pacific Telephone
	RUSHING NORT S GARDENA	Pacific Telephone
1980	BADOY NORMA S	Pacific Telephone
	DIAZ WM J	Pacific Telephone
	LESSER M B	Pacific Telephone
	MESA LARRY P	Pacific Telephone
	BADOY NORMA S	Pacific Telephone
	GORDON VIOLET	Pacific Telephone
	HAJNAL GEORGE	Pacific Telephone
	INGRAM DAVID	Pacific Telephone
	JONES KENNETH L	Pacific Telephone
	KELLY DONALD	Pacific Telephone
	KEOHO C M	Pacific Telephone
	KUBOTA D	Pacific Telephone
	LATHROP DAVID	Pacific Telephone
	LEE LINDA	Pacific Telephone
	LEE REUBEN	Pacific Telephone
1976	Jones Lisa J	Pacific Telephone
	Moore Katherine	Pacific Telephone
	Mosley Merion W	Pacific Telephone
	Humphries Roslyn	Pacific Telephone
	Johns Freddie Lee	Pacific Telephone
1975	BLOUNT ELIZABETH	Pacific Telephone
	CHISM SHELIA	Pacific Telephone
	DURAN MATIAS M	Pacific Telephone
	GRINLEY ROBT	Pacific Telephone
	HALLIDAY CHAS R	Pacific Telephone
	HARRIS HUBERT	Pacific Telephone
	HODGE ROBERT A	Pacific Telephone
	JOHNS FREDDIE LEE	Pacific Telephone
	MILES MARVIN	Pacific Telephone

Year	Uses	Source
1975	MOORE KATHRINE	Pacific Telephone
	MORINELLO JAS	Pacific Telephone
	MOSLEY MERION W	Pacific Telephone
	MULLIGAN MARK	Pacific Telephone

1029 W COMPTON BLVD

Year	Uses	Source
1967	Wilkey Leroy	Pacific Telephone
1964	HARRIS OLA	Pacific Telephone
	HARRIS WILLIE S	Pacific Telephone
	WILKEY LEROY	Pacific Telephone
1960	ROSS LOIS N	Pacific Telephone
1954	DITTENBER VIOLET R	R. L. Polk & Co.
1951	a ADittnber Geo	Pacific Directory Co.
	b Gonung M R	Pacific Directory Co.
	c Whitley Wm jr	Pacific Directory Co.
	d Mcllroy Otis	Pacific Directory Co.
	e Thompson J M	Pacific Directory Co.
1950	DITTENBER GEO H R	Pacific Telephone
1947	Genung M R	Pacific Directory Co.

1038 W COMPTON BLVD

Year	Uses	Source
2001	COMNT	Haines & Company, Inc.

1048 W COMPTON BLVD

Year	Uses	Source
1980	INTERNATIONAL BUDDHIST PROGRESS SOCIETY	Pacific Telephone
1970	SAINT THOMAS LUTHERAN CHURCH	Pacific Telephone
1960	MCCRACKEN LEVE	Pacific Telephone
1957	MCCRACKEN LEVE	Pacific Telephone
1954	MCCRACKEN LEVE	R. L. Polk & Co.
1950	MCCRACKEN LEVE R	Pacific Telephone

1100 W COMPTON BLVD

Year	Uses	Source
2001	HARTHOLIFIELEmrly	Haines & Company, Inc.
1981	ASBURY W W OIL SALES & SERVICE COMPTON	Pacific Telephone
1980	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1975	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1971	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

1108 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	JENNINGS FURNITURE	Pacific Bell
	MANUEL GOMEZ	Pacific Bell
1975	JAMES METAL POLISHING CO	Pacific Telephone

1116 W COMPTON BLVD

Year	Uses	Source
1964	KELLY JAS A	Pacific Telephone
1960	KELLY JAS A	Pacific Telephone
1957	KETLY JAS A	Pacific Telephone
1954	L(ELLY JAS A	R. L. Polk & Co.
1950	KELLY JAS A R	Pacific Telephone

W Compton Blvd

1118 W Compton Blvd

Year	Uses	Source
2014	VISTA COATINGS INC	EDR Digital Archive
2010	VISTA COATINGS INC	EDR Digital Archive

W COMPTON BLVD

1118 W COMPTON BLVD

Year	Uses	Source
2001	ACUNAMIchaal	Haines & Company, Inc.
1995	Vista Coatings Inc	Pacific Bell
1985	B & B COATING	Pacific Bell
1981	B & W PLATING CO INC COMPTON	Pacific Telephone
1980	B & W PLATING CO INC	Pacific Telephone
1975	B & W PLATING CO	Pacific Telephone
1971	B & W Plating Co	Pacific Telephone

FINDINGS

1120 W COMPTON BLVD

Year	Uses	Source
1980	LAMIS WM D	Pacific Telephone
1975	KAMEI AKEMI	Pacific Telephone
1964	LAMIS GRACE	Pacific Telephone
1960	GARRETT BESSIE H MRS	Pacific Telephone
	LINCOLN K M	Pacific Telephone
	REHM WM G	Pacific Telephone
	TOLAND THOS A	Pacific Telephone
1957	GANRTT BESSUE H MRS	Pacific Telephone
1954	GARRETT BESSIE H MRS	R. L. Polk & Co.
1950	GARRETT BESSLE H MRSF R	Pacific Telephone

1126 W COMPTON BLVD

Year	Uses	Source
1950	SOUTHERN CALIFORNIA WATER COMPANY GARDENA	Pacific Telephone

1130 W COMPTON BLVD

Year	Uses	Source
1986	MCMILLAN CLARECE GARDENA	Pacific Bell
1985	ARAI HIDEO	Pacific Bell
	BULL ANGELA C	Pacific Bell
	FOSTER CORNEL	Pacific Bell
	FUNAYAMA YUNY Y	Pacific Bell
	HO CHUNG	Pacific Bell
	KERSEY C	Pacific Bell
	KIKUCHI D	Pacific Bell
	KIYOTO FUMIHIRO	Pacific Bell
	MANNARI TSUTOMU	Pacific Bell
	MCMILLAN CLARECE	Pacific Bell
	OHIZUMI SATOSHI	Pacific Bell
	OSHIMO JERRY	Pacific Bell
	PARK HENRY	Pacific Bell
	PEGOUSKE E L	Pacific Bell
	RICE THOS J	Pacific Bell
	RODRIGUEZ GREGORIO N	Pacific Bell
	TAKARA JOHN	Pacific Bell
	TOKURA ISAO	Pacific Bell
1981	MCMILLAN CLARECE GARDENA	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	CONTRERAS RICARDO	Pacific Telephone
	FRANCO PEDRO	Pacific Telephone
	FUNAYAMA YUNY Y	Pacific Telephone
	HTWE MAUNG M	Pacific Telephone
	KOHARA KEIZO	Pacific Telephone
	LOPEZ CONSTANTINO M	Pacific Telephone
	MALDONADO JULIO	Pacific Telephone
	MCMILLAN CLARECE	Pacific Telephone
	ORTEGA EMELIA	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PESZESZER EVA	Pacific Telephone
1976	Mc Millan Clarece	Pacific Telephone
1975	BOGARD LOUIS	Pacific Telephone
	CHAN LUPLIN	Pacific Telephone
	DEFENDORF DE LOYCE P	Pacific Telephone
	DOMINGUEZ RICHARD L	Pacific Telephone
	EXLINE WM A	Pacific Telephone
	GORDON HARRY	Pacific Telephone
	GOSA QUENTELLA	Pacific Telephone
	GUERA HENRY	Pacific Telephone
	HEIN S L	Pacific Telephone
	HERNANDEZ OSCAR	Pacific Telephone
	KOBAYASHI NORIMITSU I	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	MATSUSHITA M	Pacific Telephone
	MCGRADY K	Pacific Telephone
	MCGREGOR BERRY	Pacific Telephone
	MCMILLAN CLARENCE	Pacific Telephone
	MILLER Y E	Pacific Telephone
	NAKAMOTO YUJI	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PAL SUNG JA LEE	Pacific Telephone
1970	BALISKI CHERYL	Pacific Telephone
	BEITMAN JEAN	Pacific Telephone
	COPENHAVER HAROLD A	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	GREGG ROBT	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	HAGIWARA MASAAKI	Pacific Telephone
	HARADA LAWRENCE S	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	ITO SHIGERU H	Pacific Telephone
	KAWASHIMA YASUMASA	Pacific Telephone
	KIEWEL ANTHONY R	Pacific Telephone
	KIMBLE RONALD W	Pacific Telephone
	KREGNESS JAS	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	LA LIBERTE MARY	Pacific Telephone
	LEWELLEN DON	Pacific Telephone
	LILAOOWALA RASHID	Pacific Telephone
	NAKAMURA K	Pacific Telephone
	NELSON MARVIN	Pacific Telephone
	HO CHUNG	Pacific Telephone
	HO CHUNG	Pacific Telephone
	NIEMANN MILTON H	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PIERSON ALBERT O	Pacific Telephone
	RADISICH THOMAS	Pacific Telephone
	SERRANO PETE	Pacific Telephone
1964	BAILEY FRANCES L	Pacific Telephone
	BRANSON RENEE	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	FARRIS REBECCA	Pacific Telephone
	GARRATT DONALD	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	LANG JUDY	Pacific Telephone
	MERHA FRANK	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PRATHER R LARRY	Pacific Telephone
	RILEY ROBT K	Pacific Telephone
	SCAFFIDI ROY T	Pacific Telephone
	TARCA EDW L	Pacific Telephone
1957	SINGER JAS N	Pacific Telephone
	SINGER JOHN A	Pacific Telephone
1954	SINGER JAS M	R. L. Polk & Co.

Year	Uses	Source
1950	SINGER JAS M R	Pacific Telephone

1133 W COMPTON BLVD

Year	Uses	Source
1975	MAURMAN MARGLE MRS	Pacific Telephone
1970	MAURMAN MARGIE MRS	Pacific Telephone
1964	MAURMAN MARGIE MRS	Pacific Telephone
1960	MAURMAN MARGIE MRS	Pacific Telephone
1957	MAURMAN MARGIE MRS	Pacific Telephone

1136 W COMPTON BLVD

Year	Uses	Source
1950	HAGER CHAS F R	Pacific Telephone

1139 W COMPTON BLVD

Year	Uses	Source
1985	TUAI ERIC J	Pacific Bell
1970	SMALLEY WM R	Pacific Telephone
1964	SMALLEY WM R	Pacific Telephone
1960	SMALLEY WM R	Pacific Telephone
1957	SMALLEY WINNETKA R	Pacific Telephone

1145 W COMPTON BLVD

Year	Uses	Source
1985	BOWLING BANKS D	Pacific Bell
1981	BOWLING BANKS D GARDENA	Pacific Telephone
1980	BOWLING BANKS D	Pacific Telephone
1976	Bowling Banks D	Pacific Telephone
1975	BOWLING BANKS D	Pacific Telephone
	BOWLING BRAD	Pacific Telephone
1971	Bowling Banks D	Pacific Telephone
1970	B-B RUBBISH DISPOSAL CO	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1967	Bowling Banks D	Pacific Telephone
1964	B B RUBBISH	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1962	Bowling Banks D	Pacific Telephone
1960	BOWLING BANKS D	Pacific Telephone
1958	Bowling Banks D	Pacific Telephone
1957	BOWLING BANKS D	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	PALMER CHET RLTR	R. L. Polk & Co.

1148 W COMPTON BLVD

Year	Uses	Source
1985	ALBEE J	Pacific Bell
	AUSMAN MABLE	Pacific Bell
	BLANCHARD ALICE	Pacific Bell
	JANES ARTHUR V	Pacific Bell
	MARTINEZ F P	Pacific Bell
	MOORE L	Pacific Bell
	RABE JOS J	Pacific Bell
	SAKATANI RICHARD	Pacific Bell
	SALOMAA SAM	Pacific Bell
	STANCLIFFE CALRICE	Pacific Bell
	TANIMOTO BERT & YUMIKO	Pacific Bell
1980	AUSMAN MABLE	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	KICZA JOHN E	Pacific Telephone
	MARSH PAUL & KATHERINE	Pacific Telephone
1976	Okamura Tom	Pacific Telephone
1975	MAGEL BEN	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	HOU GEO T	Pacific Telephone
	AUSMAN MABLE	Pacific Telephone
1971	Tani Tom T	Pacific Telephone
1970	CHODA PHILIP	Pacific Telephone
	FOREMAN DENNY R	Pacific Telephone
	GREEN WM E	Pacific Telephone
	HONDA PAUL	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	LEWIS CAROL	Pacific Telephone
	NIELAND CHAS R	Pacific Telephone
	OTA EDDIE M	Pacific Telephone
	RABRE JOS J	Pacific Telephone
	SILVIO JOS	Pacific Telephone
	TAYLOR B J	Pacific Telephone
1964	BOONE PETER	Pacific Telephone
	CLARK CAROL	Pacific Telephone
	DAVIS DONALD LEVI	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	DAVIS SHARON	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	MURPHY JULIA	Pacific Telephone
	WIRTHLIN CHERIE M	Pacific Telephone
1957	BARRETT W VERNON	Pacific Telephone
1954	BARRETT W VERNON	R. L. Polk & Co.
1950	BARRETT W VERNON R	Pacific Telephone

1152 W COMPTON BLVD

Year	Uses	Source
1985	HARTLEY ROBERT E	Pacific Bell
	KITAOKA BRIAN	Pacific Bell
	MIKAWA DAN V	Pacific Bell
	ODANAKA ERICK J	Pacific Bell
	PIZZOLONGO BARRY	Pacific Bell
	TEAFORD WATSON	Pacific Bell
	UM BYUNG C	Pacific Bell
	WILLOTT MILLICENT	Pacific Bell
1980	BROMLEY JACK I	Pacific Telephone
	HIGAR H W	Pacific Telephone
	KOJIMA GEORGE	Pacific Telephone
	PATTI R	Pacific Telephone
1975	BOUMAN C P	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	HAGA HIDEJI	Pacific Telephone
	HIGAR H W	Pacific Telephone
	LINDSEY L E	Pacific Telephone
1971	Schade Erna	Pacific Telephone
1970	BARBERA SALVATORE	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	GREEN ALFRED I	Pacific Telephone
	GREEN FRANCES	Pacific Telephone
	HENDERSON JIM	Pacific Telephone
	KAWAOKA YOSHI	Pacific Telephone
	KOELLER JOHN L	Pacific Telephone
	LINDSEY L E	Pacific Telephone
	POLAN MICHAEL	Pacific Telephone
	SAITO TAKEO	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	SATO K	Pacific Telephone
	SCHADE ERNA	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
1967	Schade Erna	Pacific Telephone
1964	BELL EDW I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	FLETCHER JOE W	Pacific Telephone
	KOPACK CHAS	Pacific Telephone
	MCKINNEY GILBERT V	Pacific Telephone
	RENSHAW WELDON L	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
	WHITCHER MASON B	Pacific Telephone
	WINN JAN	Pacific Telephone
	YOUNG BARBARA MRS	Pacific Telephone
	WINN TOM L	Pacific Telephone
	WOLLER G W	Pacific Telephone

1156 W COMPTON BLVD

Year	Uses	Source
1985	PACION EFREN F	Pacific Bell
1970	REDRO VECENTE	Pacific Telephone
1964	ORDWAY JAN	Pacific Telephone

1157 W COMPTON BLVD

Year	Uses	Source
1980	KOBAYASHI BOBBY K	Pacific Telephone
1975	NAGAI TAKEHIKO	Pacific Telephone
1970	EMI NORITAKA	Pacific Telephone
1964	LEITNER RONI J	Pacific Telephone
1962	Leitner Ronl J	Pacific Telephone
1960	LEITNER RONI J	Pacific Telephone
1958	Leitner Roni J	Pacific Telephone
1957	LEITNER RONIIJ	Pacific Telephone

1158 W COMPTON BLVD

Year	Uses	Source
1985	HOBY R G	Pacific Bell
1980	HOBY R G PLMBNG	Pacific Telephone
1975	HOBY R G PLMBNG	Pacific Telephone

Year	Uses	Source
1970	HOBY R G PLMBNG	Pacific Telephone
	HOBY R G	Pacific Telephone
	HOBY R G	Pacific Telephone
1964	HOBY R G PLMBNG	Pacific Telephone
1960	HOBY R G PLMBNG	Pacific Telephone
1957	HOBY RICHARD G	Pacific Telephone
1954	HOBY RICHARD G	R. L. Polk & Co.

1169 W COMPTON BLVD

Year	Uses	Source
1970	GORSHA STANLEY	Pacific Telephone
1964	FOWLER RAY	Pacific Telephone
1960	MCNABB ELLIOTT H	Pacific Telephone
1957	MCNABB EILIOTT H	Pacific Telephone

1218 W COMPTON BLVD

Year	Uses	Source
1985	SCHNEIDER DANIEL	Pacific Bell
1980	MAIN BOB	Pacific Telephone
1975	LYNSKEY JAS O	Pacific Telephone
1970	LYNSKEY JAS O	Pacific Telephone
1964	NIX MARIE L	Pacific Telephone
1960	NIX MARIE L	Pacific Telephone

1228 W COMPTON BLVD

Year	Uses	Source
1985	MONROE LESTER L	Pacific Bell
1970	MINAYA WILLAM	Pacific Telephone
1964	VAUGHAN W M	Pacific Telephone
1960	VAUGHAN W M	Pacific Telephone
1954	VAUGHAN W M	R. L. Polk & Co.

1234 W COMPTON BLVD

Year	Uses	Source
1985	IKE HELDE	Pacific Bell
1980	OKUMURA MITSUO	Pacific Telephone
	DANBARA LEE T	Pacific Telephone
	KAMIMURA KEITH	Pacific Telephone
1975	NGUYEN LUAN	Pacific Telephone
	GONZALES ENRIQUE	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	MOLINA BILLY R	Pacific Telephone
	MORILLO GWEN	Pacific Telephone

1238 W COMPTON BLVD

Year	Uses	Source
1980	PINE AMLULA F	Pacific Telephone
1976	Polk Robt S	Pacific Telephone
1975	POLK ROBT S	Pacific Telephone
1970	LAYTON EDW E	Pacific Telephone
1964	LAYTON EDW E	Pacific Telephone
1960	LAYTON EDW E	Pacific Telephone

1251 W COMPTON BLVD

Year	Uses	Source
1985	IWATA CLYDE	Pacific Bell
1970	QUIJADA ROBT D	Pacific Telephone

1257 W COMPTON BLVD

Year	Uses	Source
1976	Saito M H	Pacific Telephone
1971	Saito M H	Pacific Telephone
1970	SAITO M H	Pacific Telephone
1967	Saito M H	Pacific Telephone
1962	Saito M H	Pacific Telephone
1960	SAITO M H	Pacific Telephone
1957	SALTOL IN H	Pacific Telephone
1954	SAITO M H	R. L. Polk & Co.

1316 W COMPTON BLVD

Year	Uses	Source
1985	ROMERSHEUSER OTTO B	Pacific Bell
1970	ROMERSHEUSER OTTO B	Pacific Telephone
1964	BOWEN CECIL L	Pacific Telephone
1960	BOWEN CECIL L	Pacific Telephone
1954	BOWEN CECIL L	R. L. Polk & Co.

1328 W COMPTON BLVD

Year	Uses	Source
1985	MITCHELTREE WAYNE	Pacific Bell
1980	MITCHELTREE WAYNE	Pacific Telephone

Year	Uses	Source
1975	HAMASAKI MOTOE	Pacific Telephone
1970	HIGGINS ROBT O	Pacific Telephone
1964	HIGGINS ROBT O	Pacific Telephone
1960	HIGGINS ROBT O	Pacific Telephone
1957	HIGGINS ROBT O	Pacific Telephone
1954	DEASON CHAS BRYAN	R. L. Polk & Co.

1332 W COMPTON BLVD

Year	Uses	Source
1985	TAKAMORI HIDEYUKI	Pacific Bell
1970	TAKAMORI HIDEYUKI	Pacific Telephone
1964	TAKAMORI HIDEYUKI	Pacific Telephone
1958	Howard Evelyn	Pacific Telephone
1954	HOWARD CLINTON B	R. L. Polk & Co.

1339 W COMPTON BLVD

Year	Uses	Source
1985	CRUZ JOSE	Pacific Bell
1975	BRUEMMER IRMA	Pacific Telephone
	BRUEMMER DAVID	Pacific Telephone
1970	RUBI HOPE	Pacific Telephone
	RUBI JOE M	Pacific Telephone
1964	PEREGRIN JOS	Pacific Telephone
1957	CHRISTENSEN ANNA E	Pacific Telephone
1954	CHRISTENSEN ANNA E	R. L. Polk & Co.

1340 W COMPTON BLVD

Year	Uses	Source
1985	TAYLOR WAYNE A	Pacific Bell
1970	TAYLOR WAYNE A	Pacific Telephone
1964	TAYLOR WAYNE A	Pacific Telephone
1960	TAYLOR WAYNE A	Pacific Telephone
1957	TAYLOR WAYNE A	Pacific Telephone
1954	TAYLOR WAYNE A	R. L. Polk & Co.

1426 W COMPTON BLVD

Year	Uses	Source
1980	COBIAN MIGUEL U	Pacific Telephone
1975	SOUTHERN CALIFORNIA FIRST NATIONAL BANK	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Southern California Fence Co	Pacific Telephone
1970	SMYTHERS L G	Pacific Telephone
1964	SMYTHERS SAM	Pacific Telephone
1960	SMYTHERS SAM	Pacific Telephone
1957	SMYTHERS SAM	Pacific Telephone
1954	SMYTHERS SAM	R. L. Polk & Co.

1439 W COMPTON BLVD

Year	Uses	Source
1970	SEMON S STUDIO-CERAMICS	Pacific Telephone
1960	SEMONS STUDIO CERAMICS	Pacific Telephone
1957	SEMEN S STUDIO-CERAMICS	Pacific Telephone
1954	BOWLIN CHAS C	R. L. Polk & Co.

1447 W COMPTON BLVD

Year	Uses	Source
1985	TORRES JAVIER I	Pacific Bell
1980	HEMBREE EVELYN M	Pacific Telephone
1975	GARAY SALVADOR	Pacific Telephone
	CHAMKUNTHOD RENEE	Pacific Telephone
	AVILA ALICIA	Pacific Telephone
	AHN NEE JOE JR	Pacific Telephone
1970	PETERSEN JON	Pacific Telephone
	MUROKITA J N	Pacific Telephone
	LAVILLA REGINALD I	Pacific Telephone
	KURDIEH ISAAC M	Pacific Telephone
	DE NIO ANN	Pacific Telephone
	AHNEE JOE JR	Pacific Telephone
1964	YAMASAKI MICHIHARU	Pacific Telephone
	UWAHORI TED	Pacific Telephone
	UWAHORI SADAE	Pacific Telephone
	KALBERER LOLA	Pacific Telephone
	MACKEY MARVIN JR	Pacific Telephone
	KALBERER DON	Pacific Telephone
	FARNHAM MICHAEL	Pacific Telephone
	FARNHAM LINDA J	Pacific Telephone

FINDINGS

1451 W COMPTON BLVD

Year	Uses		Source
1985	SPENCER RALPH		Pacific Bell
	JONES C VAUGHN		Pacific Bell
	GOMEZ RICHARD		Pacific Bell
	MISHIMA MASARU		Pacific Bell
1980	MISHIMA MASARU		Pacific Telephone
	BAECHLER F N		Pacific Telephone
	JONES C VAUGHN		Pacific Telephone
	JACOBSON ISABELL M		Pacific Telephone
	GOMEZ RICHARD		Pacific Telephone
	BAECHLER F N		Pacific Telephone
1975	FRANKLIN FRANCES E		Pacific Telephone
1970	FRAZEUR LENORE A		Pacific Telephone
	FRANKLIN FRANCES E		Pacific Telephone
1964	FRAZEUR LENORE A		Pacific Telephone
1960	WHARTON DUANE F		Pacific Telephone
	RADWAY RUSSELL		Pacific Telephone
	LA BREE C A		Pacific Telephone
	GLABMAN DAVE		Pacific Telephone
	EDWARDS OREN G		Pacific Telephone
	EDWARDS BETTY		Pacific Telephone
1958	Ashbeck Sevact A		Pacific Telephone

851A W COMPTON BLVD

Year	Uses		Source
1990	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1986	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1985	JOYCE MAUREEN C ATTY		Pacific Bell
1981	JOYCE MAUREEN C ATTY	COMPTON	Pacific Telephone
1980	JOYCE MAUREEN C ATTY		Pacific Telephone
1975	CARTER PHILIP M ATTY		Pacific Telephone
	COMPTON LAW SCHOOL		Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION		Pacific Telephone

905A W COMPTON BLVD

Year	Uses	Source
1990	CALLOWAY MONUMENT CO COMPTON	Pacific Bell

FINDINGS

Year	Uses	Source
1986	CALLOWAY MONUMENT CO COMPTON	Pacific Bell
1985	CALLOWAY HARRY	Pacific Bell
	CALLOWAY MONUMENT CO	Pacific Bell
1981	CALLOWAY HARRY COMPTON	Pacific Telephone
	CALLOWAY MONUMENT CO COMPTON	Pacific Telephone
1980	CALLOWAY HARRY	Pacific Telephone
	CALLOWAY MONUMENT CO	Pacific Telephone
1975	J & L SILK SCREEN	Pacific Telephone
1964	NOMIAS BEAUTY SALON	Pacific Telephone
1960	NOMIA S BEAUTY SALON	Pacific Telephone

1020A W COMPTON BLVD

Year	Uses	Source
1957	SIMPSON CARL A RL EST	Pacific Telephone

1021A W COMPTON BLVD

Year	Uses	Source
1950	DERRY DALER	Pacific Telephone

1029B W COMPTON BLVD

Year	Uses	Source
1960	DEWBERRY MARTHA E	Pacific Telephone
1957	EDDINGTON TED L	Pacific Telephone
1950	GENUNG JESSIE M R	Pacific Telephone

14181/2 W COMPTON BLVD

Year	Uses	Source
1957	VALLES EDW R	Pacific Telephone

14281/2 W COMPTON BLVD

Year	Uses	Source
1957	SHEAN WM	Pacific Telephone

1418 1/2 W COMPTON BLVD

Year	Uses	Source
1985	TERUKO IMAMOTO	Pacific Bell
1970	RAGON RONALD C	Pacific Telephone
1960	SHEAN WM	Pacific Telephone

FINDINGS

1438 1/2 W COMPTON BLVD

Year	Uses	Source
1985	MORENO RAFAEL	Pacific Bell
1970	PANDO MARTIN	Pacific Telephone

1448 1/4 W COMPTON BLVD

Year	Uses	Source
1970	GLEASON CATHERINE	Pacific Telephone
1954	DONALDSON GUY B	R. L. Polk & Co.

W MAGNOLIA

815 W MAGNOLIA

Year	Uses	Source
1986	JANUARY JAS COMPTON	Pacific Bell
1981	JANUARY JAS COMPTON	Pacific Telephone

821 W MAGNOLIA

Year	Uses	Source
1981	HAYES JAS COMPTON	Pacific Telephone
	HAYES JAS P COMPTON	Pacific Telephone

822 W MAGNOLIA

Year	Uses	Source
1990	PIERCE ROBT COMPTON	Pacific Bell

824 W MAGNOLIA

Year	Uses	Source
1990	PHILLIPS DEBORAH D COMPTON	Pacific Bell
1981	PHILLIPS DEBORAH D COMPTON	Pacific Telephone

921 W MAGNOLIA

Year	Uses	Source
1981	PITTS ANDREW COMPTON	Pacific Telephone

931 W MAGNOLIA

Year	Uses	Source
1981	CURL DENA E COMPTON	Pacific Telephone

1023 W MAGNOLIA

Year	Uses	Source
1990	RATCLIFF HOMER L COMPTON	Pacific Bell

Year	Uses	Source
1986	RATCLIFF HOMER L COMPTON	Pacific Bell
1981	RATCLIFF HOMER L COMPTON	Pacific Telephone

W MAGNOLIA ST

810 W MAGNOLIA ST

Year	Uses	Source
2001	CONWAYVarteta	Haines & Company, Inc.
1964	DAVIS MARY ELIZABETH	Pacific Telephone
1960	DAVIS MARY ELIZABETH	Pacific Telephone
1957	DAVIS MARY ELIZABETH	Pacific Telephone
1951	AKcnt M AMrb	Pacific Directory Co.
1950	KENT MAE A R	Pacific Telephone
1947	Kent M A Mrs	Pacific Directory Co.
1940	Kent G P	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

812 W MAGNOLIA ST

Year	Uses	Source
1964	CRUZ DELLA	Pacific Telephone
1960	CRUZ DELLA	Pacific Telephone
1940	Henderson Le Roy	Los Angeles Directory Co.
1931	Kesling Ernest	Los Angeles Directory Co.

814 W MAGNOLIA ST

Year	Uses	Source
1928	Morton J G	Los Angeles Directory Co.

815 W MAGNOLIA ST

Year	Uses	Source
2001	JANUARYJames	Haines & Company, Inc.
1985	JANUARY JAS	Pacific Bell
1980	JANUARY JAS	Pacific Telephone
1976	January Jas	Pacific Telephone
1975	JANUARY JAS	Pacific Telephone
1960	CUMMINS M K MISS	Pacific Telephone
1957	CUMMILNS M K MISS	Pacific Telephone
1954	CUMMINS M K MISS	R. L. Polk & Co.
1951	LPranz Theo R3	Pacific Directory Co.
1950	PRANZ THEO R	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Henry R C	Pacific Directory Co.

816 W MAGNOLIA ST

Year	Uses	Source
2001	GUTIERREZLUi	Haines & Company, Inc.
1985	WALTER ESSIE	Pacific Bell
1951	APries Fred R3	Pacific Directory Co.
1950	ORELLA WM J R	Pacific Telephone

821 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	HAYES JAMNES P	Pacific Telephone
1960	GRACE JOEL	Pacific Telephone

822 W MAGNOLIA ST

Year	Uses	Source
1985	PIERCE ROBT	Pacific Bell
1980	PIERCE ROBT	Pacific Telephone
1976	Pierce Robt	Pacific Telephone
1975	PIERCE ROBT	Pacific Telephone
1964	WAYFER GARNETT	Pacific Telephone
1960	WAFER ROBT	Pacific Telephone
1957	FICARA R5PUB ACCT	Pacific Telephone
	FICARA R S	Pacific Telephone
1954	FICARA R S PUB ACCT	R. L. Polk & Co.
	FICARA BILLIE MIMEOGRAPHING SERV	R. L. Polk & Co.
1951	ASturqcll H C S	Pacific Directory Co.
1950	STURGEIL HOUSTON C R	Pacific Telephone
1947	Sturgell H C	Pacific Directory Co.
1940	Crowder M J Mrs	Los Angeles Directory Co.
	Crowder G I	Los Angeles Directory Co.
1931	Yeoman	Los Angeles Directory Co.
1928	Smith C M	Los Angeles Directory Co.

823 W MAGNOLIA ST

Year	Uses	Source
2001	61 R An Ihony	Haines & Company, Inc.
1985	TURNER ALVIN	Pacific Bell

Year	Uses	Source
1980	DAWSON MARISA	Pacific Telephone
1960	YOUNGBLOOD CAPERS	Pacific Telephone
1957	YOUNGHLOOD CAPERS	Pacific Telephone

824 W MAGNOLIA ST

Year	Uses	Source
2001	PHILLIPSDeborahr	Haines & Company, Inc.
1985	PHILLIPS DEBORAH D	Pacific Bell
1980	PHILLIPS DEBORAH D	Pacific Telephone
1976	Phillips Deborah D	Pacific Telephone
1954	CAUGHTHRAN THEE D R	R. L. Polk & Co.
1951	ACaughthran T D	Pacific Directory Co.
1950	CAUGHTHRANTHEO D R	Pacific Telephone

825 W MAGNOLIA ST

Year	Uses	Source
2001	OUINTE 90 SWaslter	Haines & Company, Inc.
1960	RICHARDSON LYLE R	Pacific Telephone
1957	RICHARDSON LYLE	Pacific Telephone

826 W MAGNOLIA ST

Year	Uses	Source
1947	Under Construction	Pacific Directory Co.

827 W MAGNOLIA ST

Year	Uses	Source
2001	MALONESandra	Haines & Company, Inc.
1967	Setzer Jos	Pacific Telephone
1964	SETZER JOS	Pacific Telephone
1960	YORK ERVIN F	Pacific Telephone
1957	YORK ERVIN F	Pacific Telephone
1954	YORK ERVIN F MRS R	R. L. Polk & Co.
1951	AYork E F R3	Pacific Directory Co.
1950	YORK ERVIN F MRS R	Pacific Telephone

830 W MAGNOLIA ST

Year	Uses	Source
2001	SPUUDOMayra	Haines & Company, Inc.
1980	LATHON DARLENE	Pacific Telephone
	LATHON DARRYLL J	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	Chatmon Marie J	Pacific Telephone
1975	CHATMON MARIE J	Pacific Telephone
1960	FOWLIE MARIE	Pacific Telephone
1954	FOWLIE WM H	R. L. Polk & Co.
1951	Fowlie W H R3	Pacific Directory Co.
1947	Fowlie W H	Pacific Directory Co.

833 W MAGNOLIA ST

Year	Uses	Source
2001	CARRASCOTi Ifany	Haines & Company, Inc.
1985	MARTIN TOMMY PLUMBING CO	Pacific Bell
1980	MARTIN TOMMY PLUMBING CO	Pacific Telephone
1960	CAMERON JOHN G	Pacific Telephone
1957	CAMERON JOHN G	Pacific Telephone
1954	CAMERON JOHN G	R. L. Polk & Co.
1951	AJennison C R	Pacific Directory Co.

834 W MAGNOLIA ST

Year	Uses	Source
2001	JACKSONLrida	Haines & Company, Inc.
1957	SLIER EARL H	Pacific Telephone
1954	SLIER EARL H R	R. L. Polk & Co.
1951	ASiler E H	Pacific Directory Co.
1947	Siler E H	Pacific Directory Co.
1940	Angel J 3 R	Los Angeles Directory Co.
1931	Angel J R	Los Angeles Directory Co.

835 W MAGNOLIA ST

Year	Uses	Source
1960	ZARAGOZA TRINIDAD	Pacific Telephone
1957	GOMES MIKE	Pacific Telephone
1951	a Lambrer M M Mrs	Pacific Directory Co.
	Provenqhi Enrica Mrs	Pacific Directory Co.
1950	EVANS A R R	Pacific Telephone
1947	Evans A R	Pacific Directory Co.
1940	Tanner Chas jr	Los Angeles Directory Co.
1931	Eisiminger R L	Los Angeles Directory Co.
1928	Eisiminger R L	Los Angeles Directory Co.

FINDINGS

836 W MAGNOLIA ST

Year	Uses	Source
2001	ARALJOJosa	Haines & Company, Inc.
1964	ANDERSON ORA	Pacific Telephone
1960	ANDERSON ORA	Pacific Telephone
1957	COTTRELL ETHRAGE	Pacific Telephone
1954	EDWARDS FRANK	R. L. Polk & Co.
1951	AVandonbrook F A	Pacific Directory Co.
1950	VANDENBROOK FRED R	Pacific Telephone
1947	Vandenbrook F	Pacific Directory Co.
1940	Ho well C H	Los Angeles Directory Co.
1928	Angel J R	Los Angeles Directory Co.

840 W MAGNOLIA ST

Year	Uses	Source
1985	PRESCOTT BERNICE	Pacific Bell
1954	MVAYHALL J O	R. L. Polk & Co.
1951	AMayhall J	Pacific Directory Co.
1950	MYAILH J O R	Pacific Telephone

843 W MAGNOLIA ST

Year	Uses	Source
2001	VALLERYMaco	Haines & Company, Inc.
1980	LEE SHIRLEY	Pacific Telephone
1964	VALLERY MARCO G JR	Pacific Telephone
1960	VALLERY MARCO G JR	Pacific Telephone
1957	VALLERY MARCO0JR	Pacific Telephone
1954	L(EGLEY JAS J R	R. L. Polk & Co.
1951	AKeqley J J Ci	Pacific Directory Co.
1950	KEGLEY JASJ R	Pacific Telephone

845 W MAGNOLIA ST

Year	Uses	Source
2001	WALKER Edward	Haines & Company, Inc.
1985	TROTTER DAVID E	Pacific Bell
1980	JONES LILLIAN B	Pacific Telephone
1964	JONES LILLIAN B	Pacific Telephone
1960	JONES LILLIAN BERTAVIA	Pacific Telephone
	JONES FLORENCE LORRAINE	Pacific Telephone
1957	IJELLEY LAMAR M REV	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	KELLEY L LIV REV	R. L. Polk & Co.
1951	AWiso E A	Pacific Directory Co.
1950	WISE E A R	Pacific Telephone

846 W MAGNOLIA ST

Year	Uses	Source
2001	FOSTER Davd	Haines & Company, Inc.
1985	MCCLAIN ETTA	Pacific Bell
	MCCLAIN GEAO R	Pacific Bell
1980	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1975	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1964	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1957	LEERING CHAS M	Pacific Telephone
1954	JENKINS WM	R. L. Polk & Co.
1951	Jcnkins Wm	Pacific Directory Co.
	a Meyman John	Pacific Directory Co.
1947	Gibson F W	Pacific Directory Co.

901 W MAGNOLIA ST

Year	Uses	Source
1985	MAY L J	Pacific Bell
1975	MAY L J	Pacific Telephone
1964	MAY ELIZABETH	Pacific Telephone
	MAY L J REV	Pacific Telephone
1951	ASchrocdor H Mrs	Pacific Directory Co.
1950	SCHROEDER HELENA R	Pacific Telephone
1947	Schroeder Helena	Pacific Directory Co.
1940	Mc Knight Louise	Los Angeles Directory Co.
1931	Kerley Jos	Los Angeles Directory Co.

902 W MAGNOLIA ST

Year	Uses	Source
1995	Cleveland Helen J	Pacific Bell
1960	FRISCO ERVIN	Pacific Telephone
1954	HALL MAMIE	R. L. Polk & Co.
1951	Alrocor Louis	Pacific Directory Co.

Year	Uses	Source
1947	Milinkovich D T	Pacific Directory Co.
1940	Cantway Julia L	Los Angeles Directory Co.
1931	Coates Sog	Los Angeles Directory Co.
1928	Coucth J P	Los Angeles Directory Co.

905 W MAGNOLIA ST

Year	Uses	Source
2001	CRISTE Mooses	Haines & Company, Inc.
1995	Cristen Moises	Pacific Bell
1985	HENDERSON ENEZ	Pacific Bell
1980	HENDERSON ENEZ	Pacific Telephone
1975	HENDERSON ENEZ	Pacific Telephone
1960	SALAZAR JOE M	Pacific Telephone
1957	GANZALES ALEX V	Pacific Telephone
1951	Brown E MrsR	Pacific Directory Co.
1947	Brown C E Mrs	Pacific Directory Co.
1940	Vought B L	Los Angeles Directory Co.
1931	Mc Cowan L S	Los Angeles Directory Co.
1928	Force Ray	Los Angeles Directory Co.

W Magnolia St

906 W Magnolia St

Year	Uses	Source
2010	LAND MARK ELECTRIC	EDR Digital Archive

W MAGNOLIA ST

906 W MAGNOLIA ST

Year	Uses	Source
2001	MASON Soncene	Haines & Company, Inc.
1995	Parker Doris A	Pacific Bell
	Parker Doris A	Pacific Bell
1975	MCCARTY ALBERT	Pacific Telephone
1964	CARTER JOHN	Pacific Telephone
1960	CLARK ALVINUS	Pacific Telephone
1957	KROSNICKI HENRY	Pacific Telephone
1954	KROSNICKI HENRY	R. L. Polk & Co.
1951	AMelnick J M R3	Pacific Directory Co.
1950	MELNICKJOS MR	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Melnick J M	Pacific Directory Co.
1940	Flanders W A	Los Angeles Directory Co.
1931	Clark E M	Los Angeles Directory Co.

909 W MAGNOLIA ST

Year	Uses	Source
1964	BLANCO GEO	Pacific Telephone
1957	SALAZAR JOE N	Pacific Telephone
1954	FARRAN T J	R. L. Polk & Co.
1951	Egan Rob I	Pacific Directory Co.
	1/2 Vacant	Pacific Directory Co.
	1/2 Hall F C	Pacific Directory Co.
1947	Anderson Agnes	Pacific Directory Co.
	1/2 Dutton W R	Pacific Directory Co.
	Transient	Pacific Directory Co.
1940	Bovee Burdette	Los Angeles Directory Co.
	1/2 Anderson Agnes Mrs	Los Angeles Directory Co.
1931	Bovee Wm	Los Angeles Directory Co.
1928	3ovee Win	Los Angeles Directory Co.

910 W MAGNOLIA ST

Year	Uses	Source
2001	MARTINONLUz	Haines & Company, Inc.
1995	Flores Roman Juan	Pacific Bell
1954	FRIESEN C H	R. L. Polk & Co.
1951	AMc Clellan P D	Pacific Directory Co.
1950	MCCLELLAN P DR	Pacific Telephone
1947	Mc Clellan P D	Pacific Directory Co.
1940	Eckles T G	Los Angeles Directory Co.
1931	Pyle Ford	Los Angeles Directory Co.

913 W MAGNOLIA ST

Year	Uses	Source
2001	ACOSTAGodofledo	Haines & Company, Inc.
1980	BELL ALLEN	Pacific Telephone
1976	Bell Allen	Pacific Telephone
1975	BELL ALLEN	Pacific Telephone
1964	MCKINNEY RUTH	Pacific Telephone
1960	RAY GROVER C MRS	Pacific Telephone

Year	Uses	Source
1957	RAY GROVER C MRS	Pacific Telephone
1954	RAY GROVER C R	R. L. Polk & Co.
1951	ARay G C	Pacific Directory Co.
1947	Milinkovich D E	Pacific Directory Co.
1940	Bovee L M Mrs	Los Angeles Directory Co.
1931	Bovee L M Mrs	Los Angeles Directory Co.
1928	Maxwell J W	Los Angeles Directory Co.

914 W MAGNOLIA ST

Year	Uses	Source
2001	OIOARRACCarrn	Haines & Company, Inc.
1954	MORFORD RAY	R. L. Polk & Co.
1951	APhilpot E D	Pacific Directory Co.
1947	Ketcham L L	Pacific Directory Co.
1940	Ketcham L L	Los Angeles Directory Co.
1931	Allen Chas	Los Angeles Directory Co.

W Magnolia St

915 W Magnolia St

Year	Uses	Source
2010	INLAND BOATMAN	EDR Digital Archive

W MAGNOLIA ST

915 W MAGNOLIA ST

Year	Uses	Source
2001	SEUTTERFIELOMyron	Haines & Company, Inc.
1964	BROWN CURTIS	Pacific Telephone
1960	BROWN LOIS	Pacific Telephone
	BROWN CURTIS	Pacific Telephone
1957	ZEPEDA JESUS	Pacific Telephone
1954	ZEPEDA JESUS	R. L. Polk & Co.
1951	ATallcy C C S	Pacific Directory Co.
1950	TALLEY SIGN SENT	Pacific Telephone
1947	Maloy E G	Pacific Directory Co.

918 W MAGNOLIA ST

Year	Uses	Source
1995	Sood Sam Ashok	Pacific Bell

FINDINGS

Year	Uses	Source
1975	HENDERSON RALPH	Pacific Telephone
1954	BURGESS BERTHA	R. L. Polk & Co.

919 W MAGNOLIA ST

Year	Uses	Source
1962	AEROTOOL ENGINEERING CO	Pacific Telephone
1960	AEROTOOL ENGINEERING CO	Pacific Telephone

920 W MAGNOLIA ST

Year	Uses	Source
2001	STEPHENSDorothy	Haines & Company, Inc.
1995	Stewart Frances J	Pacific Bell
1985	STEWART FRANCES J	Pacific Bell
1980	FINE FRANCES J	Pacific Telephone
1975	FINE FRANCES J	Pacific Telephone
1964	FINE MARVEL L	Pacific Telephone
1960	FINE MARVEL L	Pacific Telephone
1957	FINE MARVEL L	Pacific Telephone
1954	FINE MARVEL L	R. L. Polk & Co.
1951	APontrolli J S	Pacific Directory Co.
1950	PONTRELLI JOE	Pacific Telephone

W Magnolia St

921 W Magnolia St

Year	Uses	Source
2010	ROBINSON INCOME TAX SERVICE	EDR Digital Archive

W MAGNOLIA ST

921 W MAGNOLIA ST

Year	Uses	Source
2001	P 11 TSE 1a	Haines & Company, Inc.
1985	PITTS NETTIE M	Pacific Bell
1980	PITTS ANDREW	Pacific Telephone
1975	PITTS ANDREW	Pacific Telephone
1960	MYATT GLEAN	Pacific Telephone
1951	Cobb Irene Mrs	Pacific Directory Co.
1947	Young W V	Pacific Directory Co.
1940	Kolstad H D	Los Angeles Directory Co.

Year	Uses	Source
1931	Kolstad H B	Los Angeles Directory Co.

924 W MAGNOLIA ST

Year	Uses	Source
2001	NIETOAntono	Haines & Company, Inc.
1960	POWELL JOE N	Pacific Telephone
1957	CONLEY NANCY E	Pacific Telephone
1954	FESLER HARRY D R	R. L. Polk & Co.
1951	AFeslor H D R3	Pacific Directory Co.

W Magnolia St

925 W Magnolia St

Year	Uses	Source
2014	ISAKE LOCKETT HOLLOWAY RN	EDR Digital Archive

W MAGNOLIA ST

925 W MAGNOLIA ST

Year	Uses	Source
2001	FRITZ Howard	Haines & Company, Inc.
1995	Fritz Howard	Pacific Bell
1985	FRITZ HOWARD	Pacific Bell
1980	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1975	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1960	FRITZ HOWARD	Pacific Telephone
1957	FRITZ HOWARD	Pacific Telephone
1954	FRITZ HOWARD	R. L. Polk & Co.
1951	ADouqhcrty John R3	Pacific Directory Co.
1950	DOUGHERTY JOHN D R	Pacific Telephone

927 W MAGNOLIA ST

Year	Uses	Source
1995	Ordonez Castilio Isaac	Pacific Bell
1951	AFicara R S a	Pacific Directory Co.

FINDINGS

W Magnolia St

930 W Magnolia St

Year	Uses	Source
2014	MARISCAL LOGISTICS	EDR Digital Archive
2010	MARISCAL LOGISTICS	EDR Digital Archive

W MAGNOLIA ST

930 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZRosano	Haines & Company, Inc.
1964	SALDANA P M	Pacific Telephone
1960	SALDANA P N	Pacific Telephone
1957	SALDANA PM	Pacific Telephone
1954	ABSHER THOS C R	R. L. Polk & Co.
1951	AAbsher T C	Pacific Directory Co.
1950	ABSHER THOS C R	Pacific Telephone
1947	Absher T C	Pacific Directory Co.
1940	Absher T C	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.
1928	Kingsbury H L	Los Angeles Directory Co.

W Magnolia St

931 W Magnolia St

Year	Uses	Source
2010	JALISCO AUTO GLASS	EDR Digital Archive

W MAGNOLIA ST

931 W MAGNOLIA ST

Year	Uses	Source
1980	CURL DENA E	Pacific Telephone
1976	Hamd L W Jr	Pacific Telephone
1964	WILSON DOROTHY H	Pacific Telephone
1957	G CHAS M	Pacific Telephone
1954	KING CHAS M	R. L. Polk & Co.
1951	Mercill E C	Pacific Directory Co.

FINDINGS

934 W MAGNOLIA ST

Year	Uses	Source
1957	FORD ZELIA B	Pacific Telephone
1951	APowcrs R B R3	Pacific Directory Co.
1950	POWERS WILLARD L R	Pacific Telephone
1947	Powers R B	Pacific Directory Co.
1940	Powers R B	Los Angeles Directory Co.
1931	Benoit Chas	Los Angeles Directory Co.
1928	Benoit C C	Los Angeles Directory Co.

935 W MAGNOLIA ST

Year	Uses	Source
2001	C 00 ZINEAlbet	Haines & Company, Inc.
1985	CORZINE ALBERT J	Pacific Bell
1980	CORZINE ABOERT J	Pacific Telephone
1975	CORZINE ALBERT J	Pacific Telephone
1964	CORZINE ALBERT J	Pacific Telephone
1960	HEATLEY MARY G	Pacific Telephone
1954	COLLETTE JOHN P	R. L. Polk & Co.
	HEATLEY MARY C R	R. L. Polk & Co.
1951	AColelte G A	Pacific Directory Co.
1950	COLLETTE RUTH E R	Pacific Telephone
1947	Collette G A	Pacific Directory Co.
1940	Hamilton M T	Los Angeles Directory Co.
1931	Wilson J A	Los Angeles Directory Co.

936 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZNaocy	Haines & Company, Inc.
1964	HARRIS CHAS	Pacific Telephone
1960	LAMB FRED W MRS	Pacific Telephone
	FRED W MRS	Pacific Telephone
1957	FRED W MRS	Pacific Telephone
1954	LAMB FRED W R	R. L. Polk & Co.
1951	ALamb F W R3	Pacific Directory Co.
1950	LAMB FRED W R	Pacific Telephone
1947	Bennett Frank	Pacific Directory Co.
1940	Leahy E G	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

937 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	COLLETTE RUTH E MRS	Pacific Telephone
1957	COLLETTE RUTH E MRS	Pacific Telephone
	COLLETTE GEO M	Pacific Telephone
1951	Collette F J	Pacific Directory Co.

940 W MAGNOLIA ST

Year	Uses	Source
2001	VAUGHNBemio	Haines & Company, Inc.
1964	HINES CLINTON	Pacific Telephone
1957	EADE RONALD	Pacific Telephone
1954	ABSHER GEO R	R. L. Polk & Co.
1951	AAbsher Geo	Pacific Directory Co.
1947	Edwards R H	Pacific Directory Co.
1940	Edwards Roy	Los Angeles Directory Co.
1931	Cameron Gordon	Los Angeles Directory Co.

941 W MAGNOLIA ST

Year	Uses	Source
2001	PATTERSO Ca lton	Haines & Company, Inc.
1964	JACKSON MILTON	Pacific Telephone
1960	JACKSON MILTON	Pacific Telephone
1958	Jackson Milton	Pacific Telephone
1957	JACKSON MILTON	Pacific Telephone
1954	PUBLISKY F O	R. L. Polk & Co.
1951	APublisky F R3	Pacific Directory Co.
1950	PUBIISKY F OR	Pacific Telephone

942 W MAGNOLIA ST

Year	Uses	Source
2001	YOUNG DIr	Haines & Company, Inc.
1995	Scott Kirk P	Pacific Bell
1985	SCOTT KIRK P	Pacific Bell
1960	SCOTT KIRK P	Pacific Telephone
1957	SCOTT KILIRK P	Pacific Telephone
1954	PRAZANT ADAM H	R. L. Polk & Co.
1951	APrazant A H R3	Pacific Directory Co.
1947	Prazant A H	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1940	Myers Matthew	Los Angeles Directory Co.
1931	Goody J S	Los Angeles Directory Co.

943 W MAGNOLIA ST

Year	Uses	Source
1947	Publisky F	Pacific Directory Co.

947 W MAGNOLIA ST

Year	Uses	Source
2001	HOLTJerna	Haines & Company, Inc.
1985	HOLT JENNIE WREN	Pacific Bell
1980	HOLT JENNIE WREN	Pacific Telephone
1975	HOLT LEROY	Pacific Telephone
1964	HOLT JEANNIE WREN	Pacific Telephone
	HOLT LEROY	Pacific Telephone
1957	HILIMAN LYDIA C	Pacific Telephone
1954	ANDERSON AGNES	R. L. Polk & Co.
1951	AKruso E J R3	Pacific Directory Co.
1950	KRUSE ERNEST J R	Pacific Telephone
1947	Kruse E J	Pacific Directory Co.
1940	Farley J W	Los Angeles Directory Co.
1931	Pfeifer B N	Los Angeles Directory Co.

948 W MAGNOLIA ST

Year	Uses	Source
2001	OPATERudolph	Haines & Company, Inc.
1985	PATE RUDOLPH DAVIS	Pacific Bell
1980	PATE RUDOLPH DAVIS	Pacific Telephone
1975	PATE RUDOLPH DAVIS	Pacific Telephone
1964	PATE RUDOLPH DAVIS	Pacific Telephone
1960	WILLIS ALBERT S	Pacific Telephone
1958	Willis Albert S	Pacific Telephone
1957	VWILLIS ALBERT S	Pacific Telephone
1954	WILLIS ALBERT S	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Turner W D	Pacific Directory Co.
1940	Turner W D	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

1000 W MAGNOLIA ST

Year	Uses	Source
1980	CANNICK BLANCHE	Pacific Telephone
1976	Cannick Yvonne	Pacific Telephone
1975	CANNICK YVONNE	Pacific Telephone
1964	ELMORE D D	Pacific Telephone
1954	SINCLAIR CHAS	R. L. Polk & Co.
1951	Sinclair Chas S	Pacific Directory Co.

1001 W MAGNOLIA ST

Year	Uses	Source
1976	Harris Willie L Jr	Pacific Telephone
	Harris Crissie B	Pacific Telephone
1975	HARRIS CRISSIE B	Pacific Telephone
1960	FORSYTHE F B	Pacific Telephone
1957	FORSYTHE F B	Pacific Telephone
1954	ANDERSON HAROLD J	R. L. Polk & Co.
1951	ACarriker V G	Pacific Directory Co.
1950	CARRIKER VERNON GR	Pacific Telephone

1004 W MAGNOLIA ST

Year	Uses	Source
2001	FLORESMarc 6lio R	Haines & Company, Inc.
1991	Bean &Assoc	Pacific Bell
1957	BANULOS LUPE	Pacific Telephone

1005 W MAGNOLIA ST

Year	Uses	Source
2001	LAWSONClarce	Haines & Company, Inc.
1964	RIDDICK JAS	Pacific Telephone
	RIDDICK VELMA	Pacific Telephone
1960	RIDDICK VELMA	Pacific Telephone
1957	GRANT AUBREY L	Pacific Telephone
1954	MCTIGHE FRANCES MARY	R. L. Polk & Co.
	MCTIGHE THOS F	R. L. Polk & Co.
1951	AMc Tighe T J	Pacific Directory Co.

1006 W MAGNOLIA ST

Year	Uses	Source
2001	OARCIAAdolo	Haines & Company, Inc.
1995	Veterans Of Foreign Wars Ship 8310	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Orozco Alfonso	Pacific Bell
1985	BURTON JULIA M	Pacific Bell
1957	CRINER RAYMOND	Pacific Telephone

1008 W MAGNOLIA ST

Year	Uses	Source
2001	FRANCOBngrda	Haines & Company, Inc.
1995	Ramirez Brigida	Pacific Bell
1964	JOHNSON EDNA	Pacific Telephone
	BROWN LEE	Pacific Telephone

1019 W MAGNOLIA ST

Year	Uses	Source
2001	CULPEPPERJame	Haines & Company, Inc.
1960	SIMMS J D	Pacific Telephone
1958	Simms J D	Pacific Telephone
1957	SIMMS J D	Pacific Telephone
1954	GUSTAFSON IRVIN N R	R. L. Polk & Co.
1951	AGustafson I N	Pacific Directory Co.
1950	GUSTAFSON INRIN N R	Pacific Telephone

1022 W MAGNOLIA ST

Year	Uses	Source
2001	ROLDANFredy	Haines & Company, Inc.

1023 W MAGNOLIA ST

Year	Uses	Source
2001	RATCLI FFCloude Oe	Haines & Company, Inc.
1995	Ratcliff Homer L	Pacific Bell
1985	RATCLIFF HOMER L	Pacific Bell
1960	RAYFORD THOS L	Pacific Telephone
1951	ACrew R W	Pacific Directory Co.

1025 W MAGNOLIA ST

Year	Uses	Source
1957	TAYLOR RITER C	Pacific Telephone
1954	TAYLOR RITER C	R. L. Polk & Co.
1950	TAYLOR RITER C R	Pacific Telephone

FINDINGS

1029 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1030 W MAGNOLIA ST

Year	Uses	Source
2001	GOMEZJUIo	Haines & Company, Inc.

1034 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1036 W MAGNOLIA ST

Year	Uses	Source
1928	Compton Gardena Milling Co	Los Angeles Directory Co.

1055 W MAGNOLIA ST

Year	Uses	Source
1960	RIDDICK JAS	Pacific Telephone

1101 W MAGNOLIA ST

Year	Uses	Source
1958	LOS ANGELES COUNTY OF HEALTH DEPT	Pacific Telephone
	Burbank	Pacific Telephone

1104 W MAGNOLIA ST

Year	Uses	Source
1957	VAN OORT ROGER	Pacific Telephone

1106 W MAGNOLIA ST

Year	Uses	Source
1958	American Printing Co	Pacific Telephone

1118 W MAGNOLIA ST

Year	Uses	Source
1995	Briggs Joan Y	Pacific Bell

1121 W MAGNOLIA ST

Year	Uses	Source
1985	Alves W L Inc	Pacific Bell
	Alvestad Lonnie	Pacific Bell
1958	Marginator Co	Pacific Telephone

FINDINGS

1126 W MAGNOLIA ST

Year	Uses	Source
1995	Taylor Stephen	Pacific Bell

846A W MAGNOLIA ST

Year	Uses	Source
1960	HOLLON JACK	Pacific Telephone
1957	HOLLON JACK	Pacific Telephone

918B W MAGNOLIA ST

Year	Uses	Source
1960	BROWN ELLNORA MRS	Pacific Telephone
1957	BROWN ELLNORA MRS	Pacific Telephone

1008A W MAGNOLIA ST

Year	Uses	Source
1957	SIMS W T	Pacific Telephone

909 1/2 W MAGNOLIA ST

Year	Uses	Source
1964	PEEKS WM H	Pacific Telephone

W SCHOOL ST

901 W SCHOOL ST

Year	Uses	Source
2001	MULLEN Samuel	Haines & Company, Inc.
1951	ARussell W O	Pacific Directory Co.

903 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

904 W SCHOOL ST

Year	Uses	Source
2001	OROWNRIDGELeon	Haines & Company, Inc.

905 W SCHOOL ST

Year	Uses	Source
2001	SEPHRIAMMablean	Haines & Company, Inc.
1954	PACHECO JOSE G	R. L. Polk & Co.
1951	AWise Clarence	Pacific Directory Co.

FINDINGS

906 W SCHOOL ST

Year	Uses	Source
2001	BANTONOl Ire	Haines & Company, Inc.
1980	JOHNSON ERNEST C	Pacific Telephone
1975	BANTON OLLIE	Pacific Telephone

909 W SCHOOL ST

Year	Uses	Source
2001	MAROUEZMaxmi Oa	Haines & Company, Inc.
1954	GILLORY JAS A	R. L. Polk & Co.
1951	AJohnson L E	Pacific Directory Co.

910 W SCHOOL ST

Year	Uses	Source
2001	CIFUENTESWhiman	Haines & Company, Inc.
1985	SUNIA F	Pacific Bell
1928	Vacant	Los Angeles Directory Co.

912 W SCHOOL ST

Year	Uses	Source
1957	OROSCO AGAPITO	Pacific Telephone
1951	Hutton J C	Pacific Directory Co.
1940	Hutton Alma Mrs	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.

913 W SCHOOL ST

Year	Uses	Source
2001	CLAYTON Kalie	Haines & Company, Inc.
1985	CLAYTON CHAS	Pacific Bell
1980	CLAYTON CHAS	Pacific Telephone
1975	CLAYTON CHAS	Pacific Telephone
1964	HUFF MAE VESTER	Pacific Telephone
1960	HUFF MAE VESTER	Pacific Telephone
1957	HUFF MAE VESTER	Pacific Telephone
1951	Mc Laughlin Jack	Pacific Directory Co.

916 W SCHOOL ST

Year	Uses	Source
2001	WEBBLuaclle	Haines & Company, Inc.
1951	Wood WE	Pacific Directory Co.
1940	Wood W E	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1931	Wood W E	Los Angeles Directory Co.
1928	Vacant	Los Angeles Directory Co.

919 W SCHOOL ST

Year	Uses	Source
2001	MIDDLETONRobe IJ	Haines & Company, Inc.
1975	MIDDLETON DARAYE	Pacific Telephone
1960	HAMIC ALBERT	Pacific Telephone
1957	HAMIC ALBERT	Pacific Telephone
1951	AWeist Geo	Pacific Directory Co.
1950	WIEST MAE MRSR	Pacific Telephone
1940	Wiest A	Los Angeles Directory Co.
1931	Fawcett Ralph	Los Angeles Directory Co.

920 W SCHOOL ST

Year	Uses	Source
2001	FRAUSTOAntonra	Haines & Company, Inc.
1975	BROWN MARY JO	Pacific Telephone
	BROWN MARY JO	Pacific Telephone

921 W SCHOOL ST

Year	Uses	Source
2001	VILLARREALDaniel	Haines & Company, Inc.
1980	LUJANO JOSE G	Pacific Telephone
1951	ASmith L E	Pacific Directory Co.
1940	Loyd Osborn	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

922 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLLea	Haines & Company, Inc.
1960	DYER FOREST C	Pacific Telephone
1957	DYER FOREST C	Pacific Telephone
1954	DYER FOREST C R	R. L. Polk & Co.
1951	ADyer F C	Pacific Directory Co.
1950	DYER FOREST C R	Pacific Telephone

925 W SCHOOL ST

Year	Uses	Source
2001	ELACRUZHortencia	Haines & Company, Inc.

Year	Uses	Source
1975	LOPEZ ISIDORO	Pacific Telephone
1964	HARRISON LEO J	Pacific Telephone
	HARRISON DAISY MAE	Pacific Telephone

927 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	BALSZ LUZ	Pacific Bell
1980	BALSZ NICHOLAS R	Pacific Telephone
1975	BALSZ NICHOLAS R	Pacific Telephone

W School St

928 W School St

Year	Uses	Source
2014	RECOVER NOW SOBER LIVING LLC	EDR Digital Archive

W SCHOOL ST

928 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLRickey	Haines & Company, Inc.
1985	BACOT LEOLA	Pacific Bell
1980	BACOT LEOLA	Pacific Telephone
1975	BACOT LEOLA	Pacific Telephone
1951	Nelson J E	Pacific Directory Co.

929 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1951	Basz Nicholas	Pacific Directory Co.
1940	Ledwell 3 J	Los Angeles Directory Co.
1931	Benson John	Los Angeles Directory Co.
1928	Bailey A S	Los Angeles Directory Co.

930 W SCHOOL ST

Year	Uses	Source
2001	RIGGSYolanda	Haines & Company, Inc.
1951	ACarter S D	Pacific Directory Co.

FINDINGS

931 W SCHOOL ST

Year	Uses	Source
2001	EVANS Roger	Haines & Company, Inc.
1980	EVANS ROBIN	Pacific Telephone
1951	Moore W H	Pacific Directory Co.

934 W SCHOOL ST

Year	Uses	Source
2001	RAMOSVlicor	Haines & Company, Inc.
1960	RAMOS VICTOR D	Pacific Telephone
1957	O VICTOR 0	Pacific Telephone
1954	RAMOS VICTOR D	R. L. Polk & Co.
1951	ATaylor H G	Pacific Directory Co.

935 W SCHOOL ST

Year	Uses	Source
1964	WATSON TRAVIS	Pacific Telephone
	WATSON FRANCIS	Pacific Telephone
1954	DEARY CARROLL I R	R. L. Polk & Co.
1951	ADeary C I	Pacific Directory Co.
1950	DEARY CARROLL I R	Pacific Telephone
1940	Deary C I	Los Angeles Directory Co.

937 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1957	JENKINS MYIRTLE A	Pacific Telephone

938 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MITCHELL ERMA J	Pacific Bell
1980	DANSLER ELIJAH	Pacific Telephone
	MITCHELL ERMA J	Pacific Telephone
1975	GUZMAN RAYMOND	Pacific Telephone
1964	GUZMAN RAYMOND	Pacific Telephone
1951	Anderson D E	Pacific Directory Co.

940 W SCHOOL ST

Year	Uses	Source
2001	RSCKER Alfred	Haines & Company, Inc.

FINDINGS

941 W SCHOOL ST

Year	Uses	Source
2001	RODRIGUEZAISerlo	Haines & Company, Inc.
1951	Ringness Clara Mrs	Pacific Directory Co.

942 W SCHOOL ST

Year	Uses	Source
2001	CARRILLOVIcente	Haines & Company, Inc.
1951	Pinon M A	Pacific Directory Co.

945 W SCHOOL ST

Year	Uses	Source
2001	SROBINSON Ida	Haines & Company, Inc.

946 W SCHOOL ST

Year	Uses	Source
1985	RUCKER BETTY BEASLEY	Pacific Bell
1951	ABramson E L Mrs	Pacific Directory Co.

980 W SCHOOL ST

Year	Uses	Source
1957	BAUM PLASTIC CO	Pacific Telephone

1000 W SCHOOL ST

Year	Uses	Source
2001	COLLINSJanice	Haines & Company, Inc.
1954	SLATE CARL L	R. L. Polk & Co.
1951	Slate C L	Pacific Directory Co.

1006 W SCHOOL ST

Year	Uses	Source
2001	TATE Rbert	Haines & Company, Inc.
1960	SCOTT CLESSIE	Pacific Telephone
1951	ACarlson L H	Pacific Directory Co.

1013 W SCHOOL ST

Year	Uses	Source
2001	GARCl AAngelila	Haines & Company, Inc.
1957	YEAGER KATHERINE L	Pacific Telephone
1954	YEAGER KATHERINE L R	R. L. Polk & Co.
1951	Yeager K L Mrs	Pacific Directory Co.
1950	YEAGER KATHERINE L R	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
930 Compton Boulevard	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1000 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1000 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1003 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1004 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1011 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1013 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1018 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1019 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1019 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1023 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1026 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1028 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1029B W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1031 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1036 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1038 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1048 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1055 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1100 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1100 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1102 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1104 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1105 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151st St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1107 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1108 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
111 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1116 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1120 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1122 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1123 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1132 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1133 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1136 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1144 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1972, 1969, 1966, 1965, 1963, 1961, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1148 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1152 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1156 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1157 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1961, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1158 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1169 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1218 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1228 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1234 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1238 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1251 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1257 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1969, 1966, 1965, 1964, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1316 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1328 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1332 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1339 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1340 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14181/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14281/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1438 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1439 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1447 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1448 1/4 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1451 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S Dwight Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
157 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
201 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
203 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
205 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S Kemp Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
209 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
309 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
313 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
810 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
814 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
816 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
823 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
825 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
826 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
827 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
830 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
833 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
834 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
835 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
836 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
840 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
843 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
845 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
846 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
846A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
857 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
861 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
873 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
901 W Compton Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
905 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 1/2 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
909 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
913 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
917 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
918 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918B W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
921 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152nd St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
925 W Magnolia St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W School St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
929 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 SCHOOL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W Magnolia St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
932 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
935 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
936 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
940 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
942 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
946 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
947 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
948 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
951 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
953 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
957 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
957 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
959 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
961 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
962 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
963 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
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965 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
969 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
973 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
979 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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982 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
987 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
995 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix F AGENCY RECORDS

From: David Coscia
To: Jansen, Alicia
Subject: Public Records Request - 930 Compton Blvd, 90220
Date: Wednesday, April 11, 2018 10:33:00 AM

Hello Alicia

Per your request, County of Los Angeles Public Works has no records for this site.

Regards,

Mr. David Coscia
Program Manager II
Los Angeles County Public Works
(626) 458-3519

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

April 11, 2018

Alicia Jansen
STANTEC CONSULTING SERVICES
25864-F Business Center Drive
Redlands, CA 92374

930 COMPTON BLVD. AND W. COMPTON BLVD, COMPTON, CA
PR4-041018-7

Dear Ms. Jansen:

The Department of Toxic Substances Control has received your letter to review records under the Public Records Act.

After a thorough review of our files we have found that, no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available at each DTSC Regional File Room Office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5337.

Sincerely,

Julie Johnson

Julie Johnson
Regional Records Coordinator

RECEIVED
APR 16 2018

Printed on Recycled Paper

From: Negrini, Camille
To: Jansen, Alicia
Subject: 18-1479
Date: Monday, April 23, 2018 2:29:16 PM
Attachments: image001.png
image003.png

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: *(930 W Compton Blvd, Compton CA 90220)*

This search revealed that no records were found for the above noted address.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destoyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at *(310) 534-6270.*

Los Angeles County Fire Department
Health Hazardous Materials Division
Inspection Section / Southwest District
HHMD Website

Phase I Environmental Site Assessment
930 Compton Boulevard
Compton, California 90220

Prepared for:
City Ventures
3121 Michelson Drive,
Suite 150
Irvine, CA 92612

Prepared by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California 92374

Project No.: 185804169

April 27, 2018

Sign-off Sheet and Signatures of Environmental Professionals

This Phase I Environmental Site Assessment was prepared by Stantec Consulting Services Inc. (Stantec) for City Ventures. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

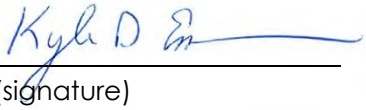
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Author
(signature)

Alicia Jansen
Associate Scientist

Quality Reviewer
(signature)

Dion Monge
Senior Scientist

Independent Reviewer 
(signature)

Kyle Emerson, P.G., C.E.G.
Managing Principal Geologist

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Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds

1.0 SUMMARY

This Phase I Environmental Site Assessment (ESA) report was prepared by Stantec Consulting Services Inc. (Stantec), on behalf of City Ventures (the "Client"), for the property located at 930 Compton Boulevard, Compton, California (the "Property" or the "Site"). City Ventures (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of ASTM International (ASTM) Designation E 1527-13, All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312 and the terms and conditions of the Master Services Agreement between Stantec and Client (the "MSA"), except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 *et seq*.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify adverse environmental conditions including recognized environmental conditions ("RECs") at the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

(1) Due to any release to the environment;

(2) Under conditions indicative of a release to the environment; or

(3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health

and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and a review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

(1) Information that is publicly available;

(2) Information that is obtainable from its source within reasonable time and cost constraints; and

(3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property consists of approximately 2.45 acres of vacant land. The Property was previously developed with a convalescent hospital. The surrounding area is a mixture of commercial and residential properties. A Property location map is illustrated on Figure 1. A Property Vicinity Plan illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

The Assessor's Parcel Number (APN) for the Property is 6161-001-902.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with the Master Services Agreement between Stantec and Client (the "MSA") and the requirements of ASTM E 1527-13

and AAI. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report.

This report provides an evaluation of specified environmental conditions associated with the identified property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. 40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information. Stantec can neither warrant nor guarantee such thoroughness or reliability, however.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the preparation of this report, and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. Project Specific limiting conditions are provided in Section 2.2.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. The identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law or the MSA. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	Stantec was provided a User Questionnaire form completed by Ms. Kim Prijatel, Vice President of Development of City Ventures, dated April 12, 2018. Ms. Prijatel is not aware of any environmental issues associated with the Property.
Environmental Liens or Activity Use Limitations	No	Recorded title records or search results for any environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA. The lack of review of this information did not appear to affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.
Previous Environmental Permits or Reports Provided by User	No	No previous reports or permits were provided for the Property.
Purpose of the Phase I ESA	Yes	Due Diligence

Stantec forwarded the ASTM recommended User Questionnaire to Ms. Prijatel, Vice President of Development for City Ventures. The completed User Questionnaire returned to Stantec by Ms. Prijatel is included in Appendix C. The significant information provided by the user is summarized below.

1. Information on Environmental Cleanup Liens on Subject Property? **No**
2. Information on Subject property Activity or Use Limitations (including Institutional and Engineering Controls)? **No**
3. Specialized knowledge or experience of the User: **No**
4. Relationship of the purchase price/rent to fair market value of the Subject Property if it were not contaminated? **Does not believe purchase price has been reduced from fair market value.**

5. Commonly known or reasonably ascertainable information about the Subject Property? **The Property is a trucking location with the potential for oil and gas usage.**
6. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation? **None.**

3.1 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The Federal AAI rule (40 CFR §312.28) and ASTM E1527-13 require that all appropriate inquiry must take into account relevant and applicable specialized knowledge and experience on the part of the User regarding the Site, the area surrounding the Site, the conditions of adjoining properties, and any other experience relevant to identifying RECs on the Site.

Ms. Prijatel is familiar with the Site and knows of no RECs associated with the Site.

3.2 PURCHASE PRICE VS. PROPERTY VALUE

The Federal AAI rule (40 CFR §312.29) and ASTM E1527-13 require that persons seeking defense to or protection from liability under CERCLA must take into account the relationship of the purchase price to the fair market value of the property if it were not contaminated to assess whether or not the differential is due to the presence of releases or threatened releases of hazardous substances. This portion of the inquiry is the responsibility of the User, and the User has the option of sharing or not sharing this information with the Environmental Professional performing the Phase I ESA.

Stantec has not performed an independent evaluation of the purchase price of the property and its relationship to fair market value. Stantec submitted a written questionnaire to the User inquiring about the User's knowledge regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated.

Ms. Prijatel believes the purchase price reflects fair market value and has not been reduced due to any environmental issues.

The User provided information is included in Appendix C.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

Topography:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.
Soil/Bedrock Data:	According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.
Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

4.1.1 Property Topography and Surface Water Flow

The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast. Based on the topography, surface water on the Property infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.

The nearest surface water body is a creek known as San Gabriel River, located approximately ½ mile to the east of the Property.

4.1.2 Regional and Property Geology

The Property is located in Los Angeles County. The area is located within the Peninsular Ranges Geomorphic Province, which includes northwest-southeast trending mountain ranges and valleys that have been developed by the San Andreas Fault system (California Geological Survey ["CGS"], 2002). The vicinity consists of recent-age alluvium (CDMG, 1962). Soil at a facility 1,500 feet to the west is reportedly sand (Geotracker, 2015).

According to data presented in Adanta Inc's *Supplemental Soil Sampling Report* dated July 13, 2017 for the Hooper's Carpet located approximately 130 feet to the northwest, subsurface conditions in the Property vicinity consist of brown sandy clay and clay to approximately 10 feet below ground surface (bgs) underlain by silty sand and sandy silt to approximately 66.5 feet bgs, maximum depth advanced.

4.1.3 Regional and Property Hydrogeology

The Property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.04). The basin is located within the southeastern portion of Los Angeles County. The basin is constrained by the La Brea high to the north, bedrock core complexes to the northeast and east, a drainage province boundary to the southeast, and the Newport-Inglewood Fault to the southwest. Two forebays and one pressure area are present in the basin and water-bearing units consist of sand, gravel and clay up to 2,200 feet in thickness (Department of Water Resources [DWR], 2004).

According to data presented in Central Congregation of Jehovah's Witnesses Semi-Annual Groundwater Monitoring Report 2nd Half 2017 located at 1914 West Compton Boulevard, depth to groundwater in the Property vicinity was reported between 36.59 to 45.26 feet bgs with a groundwater flow direction to the northwest.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred groundwater flow direction is likely to be

northwest direction. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property was identified in the environmental database report. The following table summarizes the listing for the Property:

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Office of State Wide Health Planning & Development 930 W Compton Boulevard Compton, CA 90220	HAZNET	Target Property	No
The Property is listed as disposing of polychlorinated biphenyls (PCBs), material containing PCBs, and asbestos off-site in 2004. This is likely during the building demolition activities. There are no violations related to the off-site disposal of the waste. Given there were no violations listed, the database listings are considered unlikely to represent an environmental condition to the Property.			

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Excel Cleaners 913 W Compton Boulevard Compton, CA 90220	EDR Hist Cleaner	60 feet / northeast	No
This facility is listed as dry cleaner in 1962. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Mac S Radiator Service 929 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	90 feet / north	No

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
This facility is listed as an auto radiator repair service in 1951. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Forst & Son 945 W Compton Boulevard Compton, CA 90220	EDR Hist Auto	107 feet / north	No
This facility is listed as an auto repair service in 1947. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Blackshire & Marshall 1011 W Compton Boulevard Compton, CA 90220	RCRA Non Gen/NLR; FINDS; ECHO	108 feet / west	No
The facility is listed as a transported of hazardous wastes with no reported violations. Given the lack of any reported releases and because the facility is not adjacent to the Property, this facility is unlikely to represent an environmental concern to the Property.			
Hooper's Carpets / Sinclair C B 1001 W Compton Boulevard Compton, CA 90220	UST; EDR Hist Auto; LUST	162 feet / west-northwest	No
The facility was listed as various gasoline and oil service stations between 1947 and 1951 and Coopers Auto general auto repair in 2010. The facility is currently a carpet shop. The facility had one 1,000-gallon motor oil underground storage tank (UST) and two 2,000-gallon gasoline USTs that were closed in-place in March 2015. The Regional Water Quality Control Board (RWQCB) granted case closure on January 25, 2018 for a release of gasoline to soil. Given the distance, media involved, and closure status, this facility is unlikely to represent an environmental concern to the Property.			

The remaining listings in the database search report provided in Appendix D do not constitute a REC for the property.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property. Copies of responses from the regulatory agencies is provided in Appendix F.

4.3.1 Local Health Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Health (DPH) 5555 Ferguson Drive, Suite 120-04 Commerce, CA 90022	Stantec submitted a request to the Los Angeles County DPH on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.2 Department of Toxic Substances Control (DTSC)

Agency Name Contact Information	Finding
Department of Toxic Substances Control (DTSC) 5796 Corporate Ave., Cypress, CA 90630	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap. Additionally, Stantec researched the online database Envirostor managed by this agency (envirostor.dtsc.ca.gov). No records were found on the database website for the Property address.

4.3.3 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
City of Compton Building and Safety Division 205 S. Willowbrook Avenue Compton, CA 90220 Tel: (310) 605-5509	A request was submitted to the City of Compton Building and Safety Division on April 11, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.4 County Public Works Department

Agency Name Contact Information	Finding
Los Angeles County Department of Public Works (DPW) Environmental Programs Division UST Program 900 South Fremont Avenue, 3rd Floor Alhambra, California Tel: (626) 458-3517 http://ladpw.org/epd/CleanLA/OpenFileReview.aspx	According to an email dated April 11, 2018, from Mr. David Coscia, Program Manager II with the Los Angeles County Department of Public Works, there are no records for the Property. Additionally, Stantec researched the online database managed by this agency (http://ladpw.org/epd/CleanLA/OpenFileReview.aspx). No records were found on the database website for the Property. Stantec also research the Solid Waste Management System database managed by this agency (https://dpw.lacounty.gov/epd/swims/OnlineServices/search-methane-hazards-esri.aspx) to determine if methane mitigation is required for the Property. According to this database, the Property is not within 300 feet of an oil or gas well or within 1,000 feet of a methane producing site. Therefore, this agency does not require a methane mitigation system for future Property structures.

4.3.5 Fire Department

Agency Name Contact Information	Finding
County of Los Angeles Fire Department Health Hazardous Materials Division 5825 Rickenbacker Road Commerce, CA 90040 Tel: (323) 890-4045	Stantec submitted a records request for the Property by facsimile to this agency on April 10, 2018. As of the date of this report no response has been received. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

4.3.6 California Regional Water Quality Control Board (CRWQCB)

Agency Name, Contact Information	Findings
California State Water Resources Control Board, Los Angeles (CRWQCB) 320 W 4th Street, Suite 200 Los Angeles, CA 90013 (213) 576-6600	Stantec researched the online database Geotracker managed by this agency (geotracker.waterbarods.ca.gov). No records were found on the database website for the Property address.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Land title records and deeds were not provided by the User, and public records were not searched by Stantec.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property, and Adjoining Properties
1928	1": 500'	The Property and adjacent land to the south appear to be used for light agricultural purposes. Compton Boulevard appears adjacent to the north beyond which are small structures. Dwight Avenue appears adjacent to the west.
1938	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1947	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. An increase in residential development appears to the north and south. The Compton Airport appears approximately 1,000 feet to the south.
1952	1": 500'	The Property appears to be vacant land. Residential development appears to the south. Kemp Avenue appears adjacent to the east. An increase in residential development appears in the surrounding area.
1963	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1977	1": 500'	The majority of the Property is developed with a large structure possibly a hospital. The western and southern portion of the property appears to be parking. The surrounding properties appears densely developed with residential structures.
1979	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph.
1981	1": 500'	The Project and surrounding area appear similar to the previous aerial photograph. Commercial properties appear to the north beyond Compton Boulevard.
1989	1": 500'	The Property appears similar to the previous aerial photograph. The adjacent parcel to the east appears to be a vacant lot.
1994	1": 500'	The Property appears similar to the previous aerial photograph.
2002	1": 500'	The Property appears similar to the previous aerial photographs. The adjacent property to the east appears to be developed with multi-tenant residential structures.
2005	1": 500'	The Property appears to be a vacant lot. All structures and parking areas have been removed. The surrounding area appears similar to the previous aerial photographs.
2010 / 2012	1": 500'	The Property and surrounding area appears similar to the previous aerial photographs.

Name of aerial photograph source: EDR, 2018

The Property appears to have been used for light agricultural use until circa 1950. A large commercial building, possibly a hospital building, appears on the Property between 1977 and 2005. The building on the Property was demolished and remains a vacant lot at present day. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

4.4.3 City Directories

Stantec retained EDR to research available reverse city directories for the Property, in approximately five year intervals for the years spanning 1920 through 2014. The following is a summary of Stantec's review of the city directory listings:

Subject/Adjoining Property	Year	Listed Occupants
Subject Property: 930 W Compton Boulevard	1995	Kazi Residential Drug Program
Subject Property: 930 W Compton Boulevard	1980	Compton Care Inc
Subject Property: 930 W Compton Boulevard	1976	Willows Resident School & Day Care Center
Subject Property: 930 W Compton Boulevard	1971	Willows Convalescent Hospital

Name of city directories and source: Cole Information Services and Haines Criss-Cross Directory.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec contracted with a third party to search for copies of historical fire insurance maps covering the subject and immediately adjacent properties. The Sanborn® Map Search Report is presented in Appendix E.

Year	Occupant of Property/Adjoining Properties; Indications of Hazardous Substance or Petroleum Usage
1938	The Property is not depicted on the Sanborn Map. West Compton Boulevard appears adjacent to the north beyond which are dwellings. The El Retiro Psychopathic Ward with dormitories and an administration building appear adjacent to the east.

Name of maps and source: EDR, 2018

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-Minute Topographic Maps of the South Gate, Inglewood, Long Beach, and Torrance, California Quadrangles (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern. Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1896 / 1899 / 1902	1:62,500	The map is large scale of the area in the vicinity of the Property. No structures or other features are observable on the Property from this map. A creek appears adjacent to the north-east.
1923 / 1924; 1930	1:24,000	No structures or other features are observable on the Property. The Compton Sanitarium appears adjacent to the east. Redondo Boulevard appears adjacent to the north.
1937	1:24,000	The Property is not located on this map.
1942; 1943; 1947/1948	1:62,500 1:50,000	No structures are observable on the Property from this map. The city of Compton appears to the northeast. Compton Creek appears to the north-east.
1949/1950/1951; 1952; and 1964	1:24,000	No structures are observable on the Property from this map. Multiple buildings associated with the Compton Sanitarium appear adjacent to the east.
1972 and 1981	1:24,000	The Property and surrounding area appear similar to the previous topographic map. No structures are present on the Property.
2012	1:24,000	No site detail is shown on this map.

Name of maps and source: EDR, 2018.

4.4.6 Other Historical Sources

Stantec was not provided with any historical reports for the Property.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Ms. Alicia Jansen, Associate Scientist with Stantec on April 20, 2018. Access to the Property was provided by Ms. Kim Prijatel, Vice President of Development of City Ventures. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.

Weather conditions during the visit to the Property were clear and sunny. There were no weather related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located southeast corner of the intersection of West Compton Boulevard and South Dwight Avenue in the City of Compton, Los Angeles County, California. The surrounding area is a mixture of commercial, retail, restaurants, and residential properties.
Property Operations.	None observed.
Structures, Roads, Other Improvements:	The Property is consists of a vacant lot with no structures or roads present. The Property is surrounded by a locked fence.
Property Size (acres):	Approximately 2.45 acres.
Estimated % of Property Covered by Buildings and/or Pavement:	0%
Observed Current Property Use/Operations:	The Property is consists of a vacant lot with no structures or roads present.
Observed Evidence of Past Property Use(s):	None observed.

Sewage Disposal Method (and age):	City of Compton.
Potable Water Source:	City of Compton.
Electric Utility:	Southern California Edison.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

Given there were no structures on the Property this section is not applicable.

Observations	Description
Heating/Cooling Method:	N/A
Surface Stains or Corrosion:	N/A
Floor Drains and Sumps:	N/A
Other Interior Observations:	N/A

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	Household debris (furniture, dresser, headboard, etc) were observed outside the fenced gate on the southwestern corner of the Property.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	None observed.
Stormwater:	Surface water infiltrates the ground surface or flows toward Compton Boulevard. At the time of the site inspection, Stantec observed no improper discharge from the Property.
Wells:	None observed.
Septic Systems:	None observed.
Other Exterior Observations:	An unlabeled aboveground pipe was observed along the southcentral perimeter within the Property boundary.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches) which would indicate the presence of USTs was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed or reported to Stantec.

5.7 ABOVEGROUND STORAGE TANKS (AST)

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the presence of ASTs was discovered during this Phase I ESA.
Former ASTs:	None observed or reported to Stantec.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	West Compton Boulevard beyond which are retail, restaurants and commercial businesses.
SOUTH	West 151st Street beyond which are residential structures
EAST	South Kemp Avenue beyond which are residential structures
WEST	South Dwight Avenue beyond which are a liquor store and residential structures

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property is relatively flat at an elevation of approximately 82 feet above mean sea level (msl) with a general regional topographic gradient to the east-northeast.

6.0 INTERVIEWS

The Property was vacant at the time of the site reconnaissance; therefore, no site interview was conducted. Given the historical records available, the lack of an on-site interview is not considered a significant data gap and is unlikely to impact the conclusions of this report.

7.0 EVALUATION

This section provides a summary overview of Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property.

Opinion 1: Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

Finding 2: An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property that may represent RECs, HRECs, or de minimis conditions.

Opinion 2: Based on one or more of the following reasons: distance from the Property, position of sites with respect to assumed groundwater flow direction, the native soils, and regulatory status, none of the sites identified in the in the environmental records search report are expected to affect soil or groundwater quality at the Property. The environmental records search identified no RECs, HRECs or de minimis conditions at or near the Property.

Finding 3: Recorded title records and search results for environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA.

Opinion 3: The lack of review of this information did not affect the Environmental Professional's ability to identify RECs, HRECs, or de minimis conditions and does not represent a significant data gap.

7.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	As of the date of this report no response has been received from multiple environmental agencies. In the event that records become available that change the conclusions of this report, Stantec will issue an addendum summarizing those conclusions. Based on its review of other sources, however, Stantec considers it unlikely that any records from the multiple environmental agencies would alter the conclusions or recommendations of this report.
Data Gaps From Historical Records Review:	None
Data Gaps From Interviews:	None
Other Data Gaps:	None

7.3 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E-1527-13 (and Final Rule 40 CFR Part 312 et seq.) with respect to the Property. Any exceptions to, or deletions from this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- **Historical Agricultural Use.** Based on review of historical documents including aerial photographs and topographic maps, the Property appears to have been used for light agricultural use until circa 1950. Historical agricultural use is considered a REC to the Property. Accordingly, Stantec recommends performing a shallow soil assessment at the Property to evaluate whether residual pesticides or heavy metals associated with historical herbicide applications are present above regulatory screening levels, human health risk criteria or California hazardous waste levels.

8.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

The age of the dwelling as follows: maximum risk is from paint applied before 1950.

There is severe risk from paint applied before 1960.

There is moderate risk from deteriorated paint applied before 1970.

There is slight risk from the paint that is intact but applied before 1977.

The condition of the painted surfaces.

The presence of children and certain types of households in the building.

Previously reported cases of lead poisoning in the building or area.

Given there are no structures on the Property, LBP is not an environmental concern.

8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition, in order to determine the need for compliance with EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Given there are no structures on the Property, ACMs are not considered an environmental concern for the Property.

8.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA on average indoor radon concentrations in the vicinity of the Property (http://www.epa.gov/radon/zonemap.html).

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)
Normally-occupied sub grade areas present? (i.e., basement apartments, offices, stores, etc.)		
None		

The property is located in Zone 2 and is considered to have moderate potential for radon. None of the 4 tests conducted in zip code 90220 (zip code for the Property) were above 4 pCi/L. To determine Property-specific radon levels, a radon survey would have to be conducted. However, based on the information available, Stantec concludes that radon appears unlikely to represent an environmental concern to the Property and recommends no further investigation regarding this issue.

8.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is not located within a 100-year or 500-year flood plain.

9.0 REFERENCES

American Society for Testing and Materials (ASTM) International, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2018, website http://www.consrv.ca.gov/dog/maps

California Geological Survey (CGS), 2018, website http://maps.conservation.ca.gov/cgs/fam/

Department of Toxic Substances and Control, 2018, website http://www.envirostor.dtsc.ca.gov/public/

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5253592.2s, dated April 10, 2018.

_____, Certified Sanborn Map Report, Inquiry Number 5253592.3, dated April 10, 2018.

_____, Historical Topographic Map Report, Inquiry Number 5253592.4, dated April 10, 2018

_____, Aerial Photo Decade Package, Inquiry Number 5253592.5, dated April 10, 2018.

_____, City Directory Abstract, Inquiry Number 5253592.6, dated April 10, 2018.

State Water Resource Control Board's Geotracker, 2018, website https://geotracker.waterboards.ca.gov/

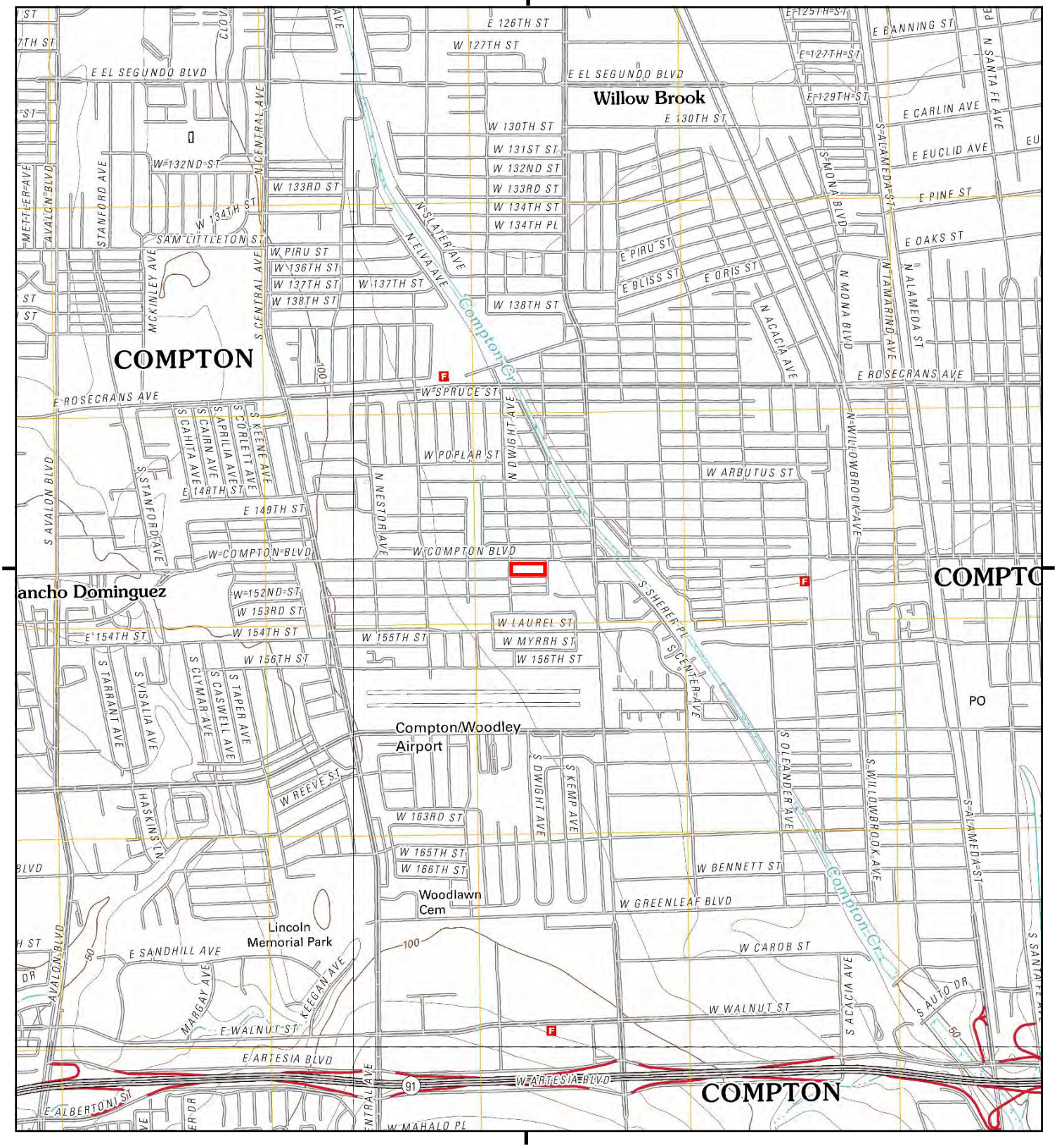
United States Geological Survey (USGS), 2012, South Gate, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

United States Geological Survey (USGS), 2018, website.
https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm

FIGURES

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

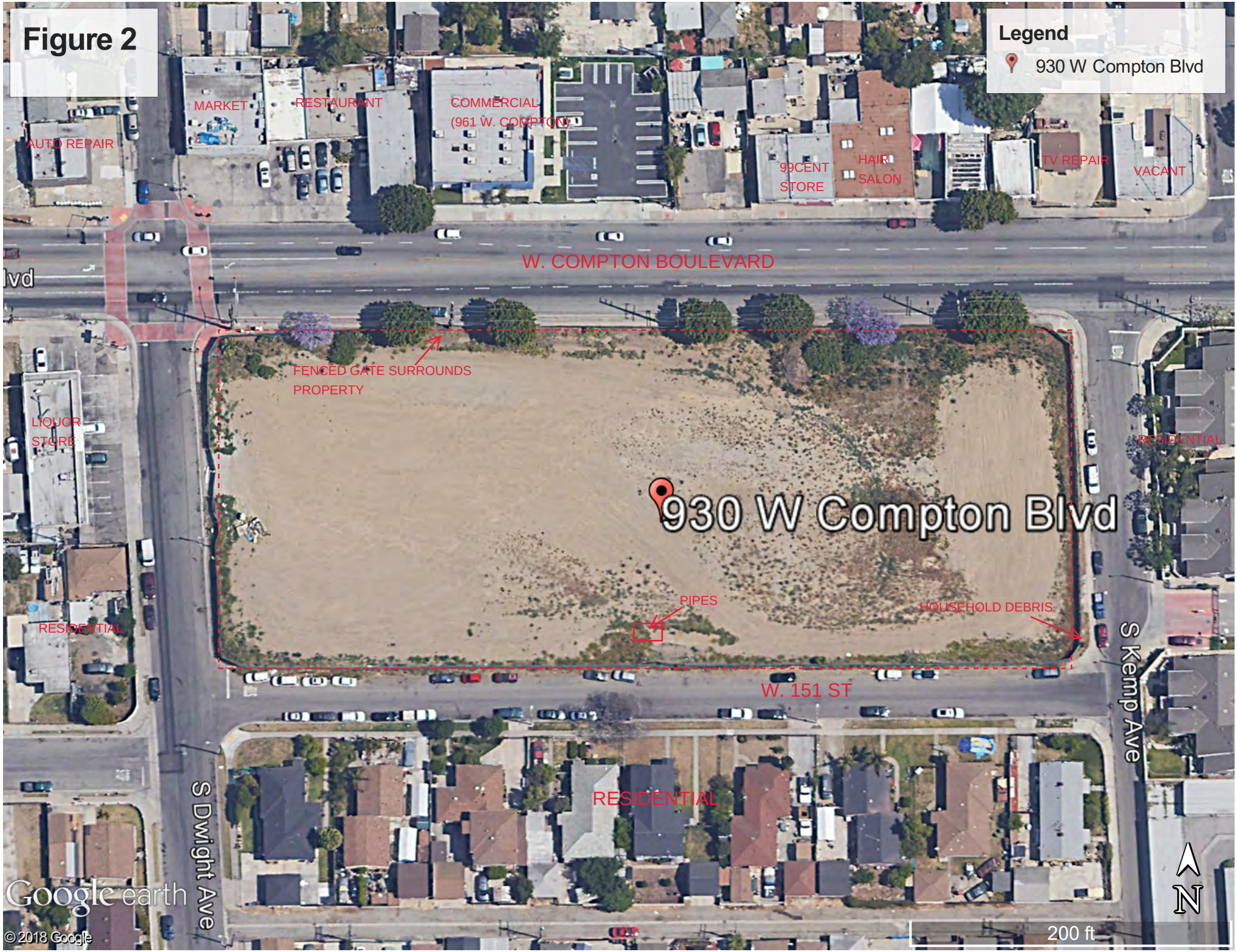


Figure 2
Legend
930 W Compton Blvd
MARKET
RESTAURANT
COMMERCIAL
(961 W. COMPTON)
AUTO REPAIR
99CENT
STORE
HAIR
SALON
TV REPAIR
VACANT
W. COMPTON BOULEVARD
FENCED GATE SURROUNDS
PROPERTY
LIQUOR
STORE
RESIDENTIAL
930 W Compton Blvd
PIPES
HOUSEHOLD DEBRIS
RESIDENTIAL
W. 151 ST
S Kemp Ave
S Dwight Ave
RESIDENTIAL
Google earth
© 2018 Google
N
200 ft

Appendix A PHOTOGRAPHS OF THE PROPERTY AND VICINITY

Photo #1 View of the Property looking west.

Photo #2 View of pipes on the south-central perimeter of the Property.

Photo #3 View of the debris left on the southeastern corner of the Property outside the Property gate at South Kemp Avenue and West 151st Street.

Photo #4 View of West 151st Street and residential structures to the south.

Photo #5 View of South Kemp Avenue beyond which are residential structures to the east.

Photo #6 View of South Dwight Avenue beyond which is a liquor market and residential to the west.

Photo #7 View of West Compton Boulevard beyond which are retail and restaurants to the north.

Photo #8 View of the Property looking north.

Appendix B STANTEC RESUMES

Alicia R Jansen CAC, LRCIA

Environmental Scientist

Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Indoor Air Quality Assessments*, San Jose, California (Staff)
Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)
Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)
Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)
Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)
Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)
Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)
Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Remedial Investigations & Assessments

Multiple Confidential Clients, Phase I Environmental Site Assessments (ESA), Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

Homebuilder, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I ESAs and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

** denotes projects completed with other firms*

Dion Monge

Project Scientist

Dion has extensive knowledge of underground storage tank investigations, Phase I and II environmental site assessment, groundwater monitoring and reporting, soil, soil vapor, and groundwater quality assessments, and testing for asbestos and lead based paint. His project experience is extensive and wide ranging and includes many types of soil, soil vapor, and groundwater assessment and monitoring for planned, existing, and former sites. Dion also has experience in testing fill soils placed on grading sites.

He has experience on redevelopment of former oil field sites that include submittal of construction site review plans, oil well mitigation (venting and casing alterations), abandonment of oil wells, and remedial investigations and remediation involving soil contamination.

Dion also has experience working with 1166 AQMD air monitoring on projects ranging from limited access dry cleaner excavations, solvent excavations, and petroleum excavations related to underground storage tank releases. Included in this type of monitoring is the assessment of a safe work environment for the contractors involved with this type of work.

He has considerable knowledge in asbestos and lead based paint sampling as a building inspector and lead sampling technician. Asbestos and lead based paint surveys have ranged from large office buildings to sampling highway bridges.

EDUCATION

BS, Soil Science, California Polytechnic University, Pomona, Pomona, California, 2004

Health & Safety Certification (29 CFR 1910.120),, 40-Hour OSHA Health & Safety Certification, Redlands, California, 2005

Health & Safety Annual Update Certification, 8-Hour OSHA, Redlands, California, 2009

First Aid/CPR, American Red Cross, Redlands, California, 2009

Certified Building Inspector, AHERA 8-Hour Refresher, Redlands, California, 2009

PROJECT EXPERIENCE

Asbestos, Lead Based Paint, and Hazardous Material Management

Haller Wash Bridge No. 54-0891R&L, San Bernardino County, California (Asbestos and Lead-Based Paint Sampling Assistant)

Dion conducted asbestos and lead based paint survey on highway bridge. He assisted with planning field operations, measuring bridge dimensions, and collecting samples. Tasks included sample collection, bridge measurements, and documentation.

Project Management Oversight

Magnolia Plaza, Fountain Valley, California

Dion is providing project management of soil, soil vapor, and quarterly groundwater sampling related to a solvent release at a former dry cleaning facility. Tasks include preparation of work plans for approval by the Regional Water Quality Control Board and oversight of field sampling, including lithologic logging, for soil and soil vapor investigations performed within a multi-tenant strip center. Additional tasks include preparation of investigative reports and quarterly groundwater monitoring reports. The site remains an open case and preparation of a work plan to use electrical resistive heating ("ERH") will be prepared in the coming weeks.

Dion Monge

Project Scientist

Former Superb Dry Cleaners, Anaheim, California
Dion performed field oversight, direction, and confirmation soil sampling of a limited access excavation within a former dry cleaner unit. Post excavation field activities included application of a barrier type floor sealant along with post excavation indoor air sampling. Remedial work led to regulatory closure being granted from the local agency.

Site Assessment

Proposed Friends Christian High School, Yorba Linda, California
Dion prepared preliminary site assessment (PSA) report for future private school site to identify recognized environmental conditions ("RECs") related to past property usage as an oil field with 21 oil wells abandoned prior to 1990. Completion of the PSA led to his management of the project through site closure. Field investigations and reporting by Dion included Phase II investigations, methane survey, oil well leak testing and venting, backfill and compaction (including soils testing), DOGGR Construction Site Review, and excavation and onsite management of more than 5,000 cubic yards of petroleum impacted soils.

SR-58 Widening, San Bernardino County, California
Dion performed Initial Site Assessment (ISA) for Caltran at Kramer Junction for the proposed widening of State Route 58. The ISA was performed in accordance with guidelines promulgated by the American Society for Testing and Materials (ASTM) and included historical research and coordination of permit/file reviews with local building/planning departments and environmental agencies. Dion's role included the field visit, observation documentation, agency reviews, and reporting.

Soil Sampling

Caltrans I-15, Task Order 28, Hesperia, California
Dion conducted a soil investigation for metals analysis alongside I-15 for disposal recommendations during construction of mortar-lined channels at several locations. He assisted with planning field operations and collected soil samples. Tasks included sample collection, preservation, and documentation.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Kyle has more than 28 years of professional experience—17 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developedl for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminates involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Enerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately $2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than $1 million. Total cost was less than $250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)
Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was $22 million. The case is settled and the closure of the site is pending.

Project Management
Liability and Property Management Consulting Services
Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development
Environmental Development Management and Review (Project Manager)
Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation
Design and Implementation of Biodegradation Programs*, California
Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems
Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manger)
Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*
Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*
Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial
Glendale Redevelopment Project, Glendale, California (Project Manager)
Kyle managed the assessment and remedial actions during the redevelopment of and industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was $450,000.00.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been $2.8 million to date.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

Appendix C USER PROVIDED RECORDS

Stantec Consulting Services Inc.
25864-F Business Center Drive, Redlands, CA 92374-4515
Phone: 909-335-6116
Fax: 909-335-6120

PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser,* or *contiguous property owner,* ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec Consulting Services Inc.

1. Property Information

   Property Name: Compton 1

   Property Address: 930 W. Compton Blvd.

   City: Compton State CA Zip _____

   Property Owner Name: Community Redevelopment Agency of Compton

   Property Owner Phone #: (310) 605-5697

2. Contact For Site Access

   Name: Leslie Nacionales-Tafoya

   Company/Organization/Title: City of Compton

   Phone # 310-605-5697 E-Mail Address: lnacionales-tafoya@comptoncity.org

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

   _____ Yes _X_ No

   If yes, describe or attach details of the lien _____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes _____X_____ No

If yes, describe or attach details of the limitations _____

_____

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____X_____ No

If yes, describe or attach details of your specialized knowledge or experience _____

_____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____X_____No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____Not applicable. User is not involved in a purchase of the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____Yes (describe) _____

_____

__X__No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

____Yes (describe) _____

_____

__X__No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

____Yes (describe) _____

_____

__X__No

Do you know of any environmental cleanups that have taken place at the property?

____Yes (describe) _____

_____

__X__No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of contamination at the property?

____Yes (describe) _____

_____

__X__No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

____Yes (describe) _____

_____

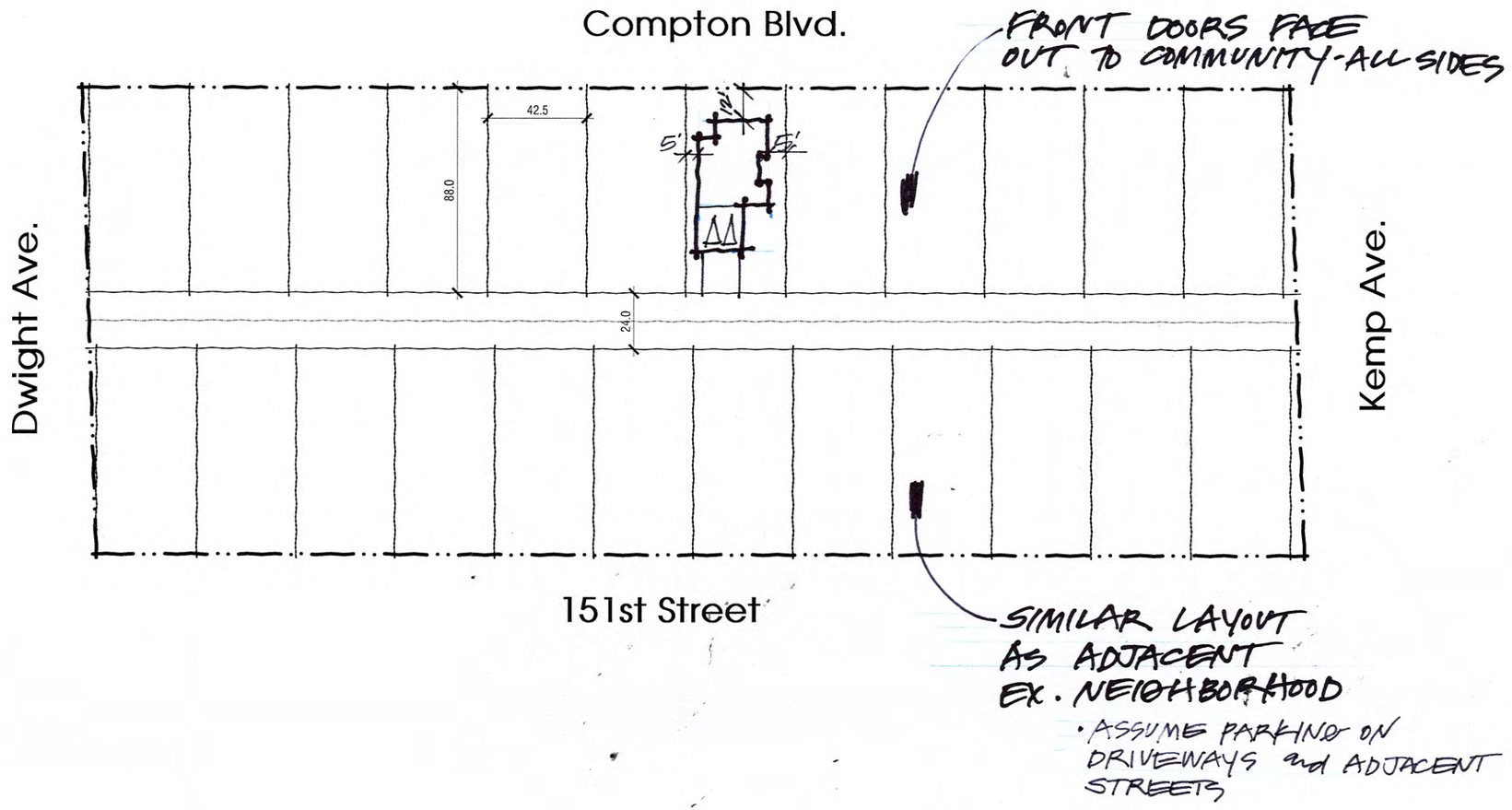
__X__No

Signature: _____

Name (printed): Kim Prijatel

Title: VP Development

Date: 4/10/18



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 42.5' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for Driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 1

0 15 30 60

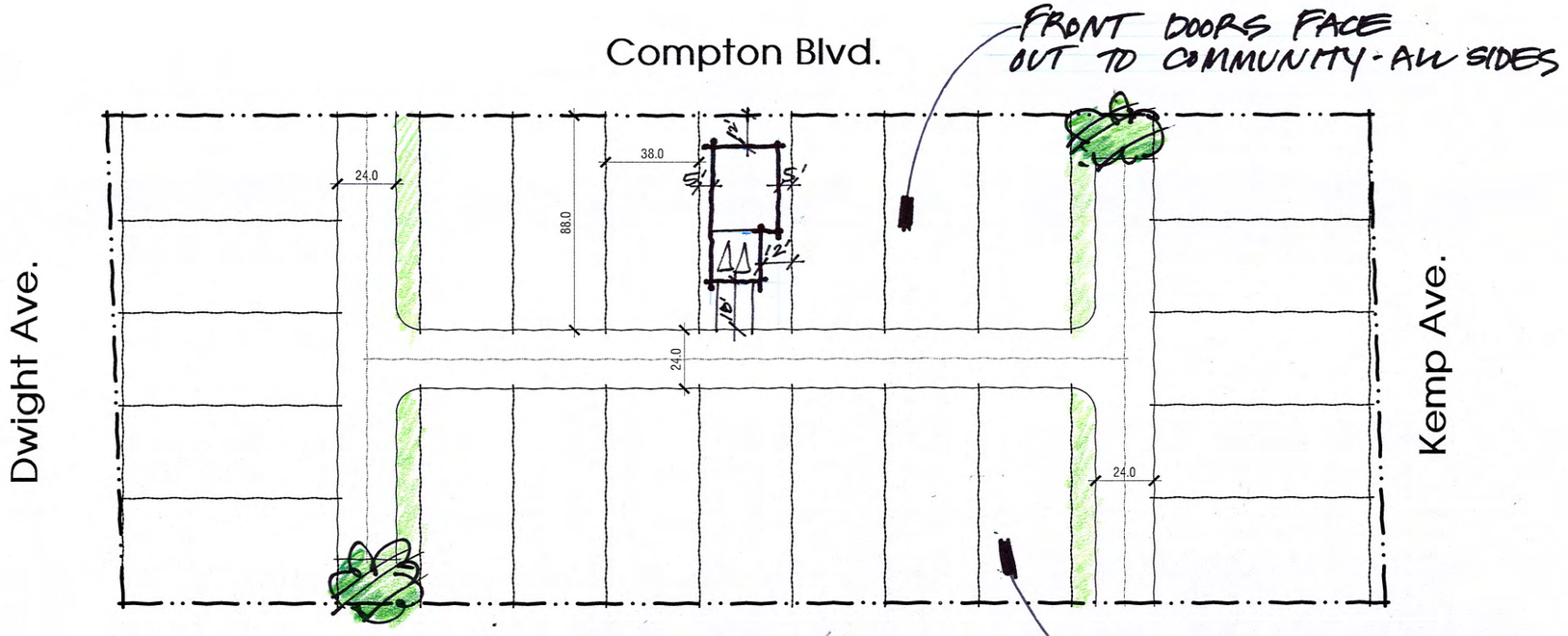
Temple and Gibson Site

Compton, CA

City Ventures

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.wharchitects.com fax 949 250 1529

2013039.00 February 6, 2013



Project Summary

Total Site Area:	2.45 Acres ±
Total Units:	24 Homes • Typical Alley Loaded Homes • 38' x 88' Lots
Net Density:	9.8 Homes per Acre
Parking:	48 Spaces Total (2 per home) • Potential for driveways

Design Notes

- 24' Min. Alley Width

Notes:

1. Site plan is for conceptual purposes only.
2. Site plan must be reviewed by planning, building, and fire departments for code compliance.
3. Base information per civil engineer.
4. Civil engineer to verify all setbacks and grading information
5. Building Footprints might change due to the final design elevation style.
6. Open space area is subject to change due to the balcony design of the elevation.
7. Building setbacks are measured from property lines to building foundation lines.

WILLIAM HEZMALHALCH ARCHITECTS, INC. ©2013

Alternative 2

Temple and Gibson Site

Compton, CA

City Ventures

0 15 30 60

WILLIAM HEZMALHALCH ARCHITECTS INC.
2850 REDHILL AVENUE SUITE 200 SANTA ANA CA 92705-5543
949 250 0607 www.whharchitects.com fax 949 250 1529

2013039.00 February 6, 2013

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.2s
April 11, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

930 COMPTON BOULEVARD
COMPTON, CA 90220

COORDINATES

Latitude (North):	33.8954860 - 33° 53' 43.74''
Longitude (West):	118.2409400 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
930 COMPTON BOULEVARD
COMPTON, CA 90220

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OFFICE OF STATE WIDE	930 W COMPTON BLVD	HAZNET		TP
A2	EXCEL CLEANERS	913 W COMPTON BLVD	EDR Hist Cleaner	Lower	60, 0.011, NE
A3	MAC S RADIATOR SERVI	929 W COMPTON	EDR Hist Auto	Lower	90, 0.017, NNE
A4	FORST & SON	945 W COMPTON BLVD	EDR Hist Auto	Lower	107, 0.020, North
B5	BLACKSHIRE & MARSHAL	1011 W COMPTON BLVD	RCRA NonGen / NLR, FINDS, ECHO	Higher	108, 0.020, WNW
6	FASHION CLEANERS	901 W COMPTON	EDR Hist Cleaner	Lower	139, 0.026, NE
B7	HOOPER'S CARPETS	1001 W COMPTON BLVD	UST	Higher	155, 0.029, WNW
B8	SINCLAIR C B	1001 W COMPTON BLV	EDR Hist Auto	Higher	162, 0.031, WNW
B9	HOOPER'S CARPET	1001 COMPTON BLVD W	LUST	Higher	162, 0.031, WNW
B10	EXOTIC MOTEL	1100 W COMPTON BLVD	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	266, 0.050, West
11	JOE JOHNSON/VACANT L	1205 W COMPTON BLVD	SWEEPS UST	Higher	473, 0.090, West
C12	COMPTON WOODLEY AIRP	901 WEST ALONDRA BLV	SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS...	Higher	1992, 0.377, SSE
C13	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
C14	LA CO DPW COMPTON AI	901 ALONDRA BLVD W	LUST	Higher	1992, 0.377, SSE
D15	SHELL #204-1740-0304	803 ALONDRA BLVD W	LUST	Higher	2467, 0.467, SSE
D16	SHELL #204-1740-0304	803 ALONDRA	HIST CORTESE	Higher	2467, 0.467, SSE
17	JOHNSON CONTROLS INC	1707 WEST COMPTON BL	RCRA-SQG, LUST, SWEEPS UST, FINDS, ECHO, HAZNET,...	Higher	2514, 0.476, West
18	A & P GAS	1050 ALONDRA BLVD W	LUST	Higher	2571, 0.487, South
19	413 WEST COMPTON BOU	413 WEST COMPTON BOU	ENVIROSTOR	Lower	3274, 0.620, East
20	UNIFORM RENTAL SERVI	730 E. 139TH ST.	ENVIROSTOR	Lower	3698, 0.700, NNE
21	PLAZA CLEANERS	1904 W. ROSECRANS AV	ENVIROSTOR, DRYCLEANERS, EMI	Higher	3920, 0.742, WNW
22	CENTRAL AIRPORT		ENVIROSTOR	Higher	5205, 0.986, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
OFFICE OF STATE WIDE 930 W COMPTON BLVD COMPTON, CA 90220	HAZNET GEPAID: CAC002580652	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-SQG RCRA - Small Quantity Generators
RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
SLIC Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
AST Aboveground Petroleum Storage Tank Facilities
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory

DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- San Gabriel Valley Areas of Concern
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database

HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
EMI Emissions Inventory Data
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
LOS ANGELES CO. HMS HMS: Street Number List
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
UIC UIC Listing
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLAZA CLEANERS Facility Id: 19720019 Status: Refer: 1248 Local Agency	***1904 W. ROSECRANS AV***	***WNW 1/2 - 1 (0.742 mi.)***	***21***	***50***
CENTRAL AIRPORT Facility Id: 80000846 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.986 mi.)	22	52

Lower Elevation	Address	Direction / Distance	Map ID	Page
413 WEST COMPTON BOU Facility Id: 60001929 Facility Id: 60001914 Status: No Action Required Status: Inactive - Needs Evaluation	413 WEST COMPTON BOU	E 1/2 - 1 (0.620 mi.)	19	47
UNIFORM RENTAL SERVI Facility Id: 19720038 Status: Refer: 1248 Local Agency	730 E. 139TH ST.	NNE 1/2 - 1 (0.700 mi.)	20	49

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPET	1001 COMPTON BLVD W	WNW 0 - 1/8 (0.031 mi.)	B9	11
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000006793				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C13	24
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: R-08082 Global Id: T0603792989 Global Id: T0603704769 Global ID: T0603704769 Status: Case Closed				
LA CO DPW COMPTON AI	901 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.377 mi.)	C14	36
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-08082A Global ID: T0603792989 Status: Leak being confirmed				
SHELL #204-1740-0304	803 ALONDRA BLVD W	SSE 1/4 - 1/2 (0.467 mi.)	D15	37
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-09002 Global Id: T0603703330 Global ID: T0603703330 Status: Case Closed				
JOHNSON CONTROLS INC	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 902200016 Global Id: T0603701244 Global ID: T0603701244 Status: Case Closed				
A & P GAS	1050 ALONDRA BLVD W	S 1/4 - 1/2 (0.487 mi.)	18	45
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000004565				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER'S CARPETS Database: UST, Date of Government Version: 03/12/2018 Facility Id: LACoFA	1001 W COMPTON BLVD	WNW 0 - 1/8 (0.029 mi.)	B7	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Status: A Tank Status: A Comp Number: 14599	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***
JOE JOHNSON/VACANT L Status: A Comp Number: 13335	1205 W COMPTON BLVD	W 0 - 1/8 (0.090 mi.)	11	14

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXOTIC MOTEL Facility Id: 19009158 Status: A	***1100 W COMPTON BLVD***	***W 0 - 1/8 (0.050 mi.)***	***B10***	***13***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLACKSHIRE & MARSHAL	***1011 W COMPTON BLVD***	***WNW 0 - 1/8 (0.020 mi.)***	***B5***	***9***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMPTON WOODLEY AIRP Reg Id: R-08082	***901 WEST ALONDRA BLV***	***SSE 1/4 - 1/2 (0.377 mi.)***	***C12***	***15***
SHELL #204-1740-0304	803 ALONDRA	SSE 1/4 - 1/2 (0.467 mi.)	D16	39
JOHNSON CONTROLS INC Reg Id: 902200016	***1707 WEST COMPTON BL***	***W 1/4 - 1/2 (0.476 mi.)***	***17***	***39***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SINCLAIR C B	1001 W COMPTON BLV	WNW 0 - 1/8 (0.031 mi.)	B8	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
MAC S RADIATOR SERVI	929 W COMPTON	NNE 0 - 1/8 (0.017 mi.)	A3	9

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORST & SON	945 W COMPTON BLVD	N 0 - 1/8 (0.020 mi.)	A4	9

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

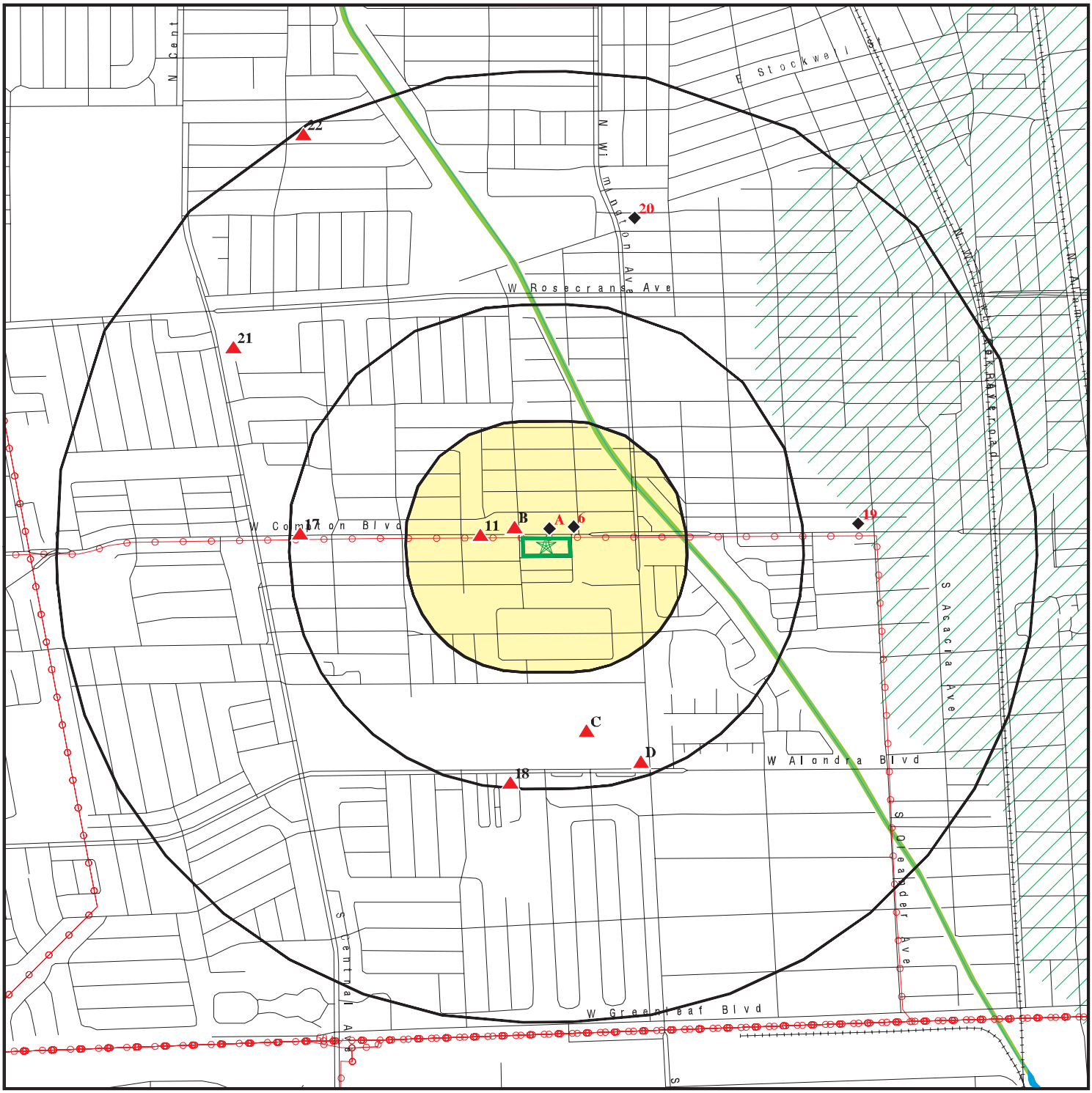
Lower Elevation	Address	Direction / Distance	Map ID	Page
EXCEL CLEANERS	913 W COMPTON BLVD	NE 0 - 1/8 (0.011 mi.)	A2	8
FASHION CLEANERS	901 W COMPTON	NE 0 - 1/8 (0.026 mi.)	6	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
KING/DREW MEDICAL MAGNET	LUST, HIST CORTESE
	CDL
	CDL
	CDL
DOMINGUEZ ENERGY REYES LEASE - ARE	SLIC

OVERVIEW MAP - 5253592.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard ADDRESS: 930 Compton Boulevard Compton CA 90220 LAT/LONG: 33.895486 / 118.24094	CLIENT: Stantec CONTACT: Alicia Jansen INQUIRY #: 5253592.2s DATE: April 11, 2018 8:09 am

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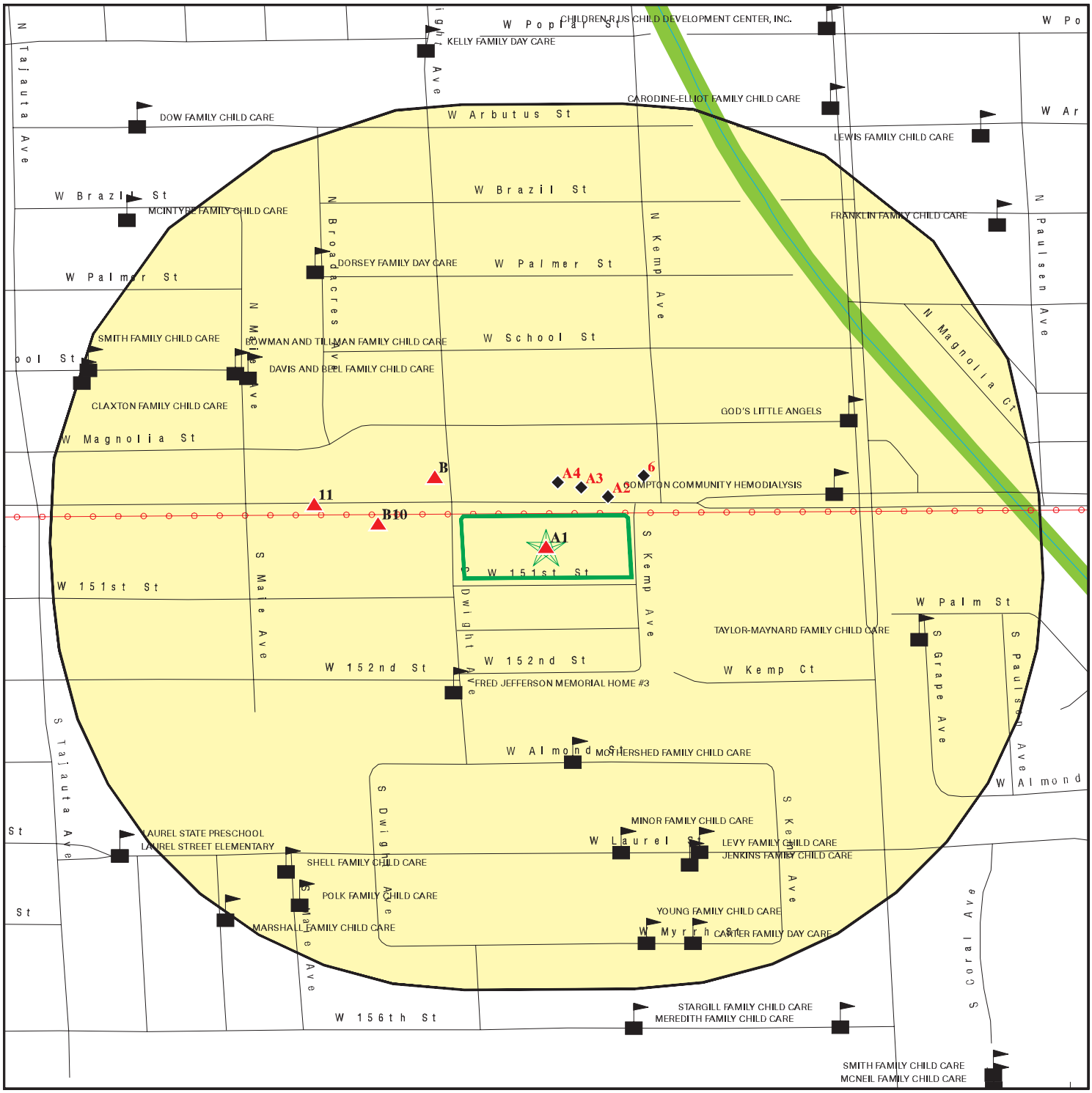
DETAIL MAP - 5253592.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 930 Compton Boulevard	CLIENT: Stantec
ADDRESS: 930 Compton Boulevard Compton CA 90220	CONTACT: Alicia Jansen INQUIRY #: 5253592.2s
LAT/LONG: 33.895486 / 118.24094	DATE: April 11, 2018 8:10 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	4	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	0	5	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	0	NR	NR	NR	2
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		1	11	0	8	4	0	24

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **OFFICE OF STATE WIDE HEALTH PLANNING & DEVELOPMENT** **HAZNET** **S112939552**
Target **930 W COMPTON BLVD** **N/A**
Property **COMPTON, CA 90220**

Site 1 of 4 in cluster A

Actual: **82 ft.**

HAZNET:

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	CAR000156125
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Recycler
Tons:	0.55
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S112939552
Year:	2004
GEPAID:	CAC002580652
Contact:	NATHAN DAVIS/PROJECT OFFICER
Telephone:	9163270386
Mailing Name:	Not reported
Mailing Address:	300 CAPITAL MALL STE 1500
Mailing City,St,Zip:	SACRAMENTO, CA 95814
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0.84
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A2 **EXCEL CLEANERS** **EDR Hist Cleaner** **1009125842**
NE **913 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA 90220**
0.011 mi.
60 ft. **Site 2 of 4 in cluster A**

Relative: **Lower**

EDR Hist Cleaner

Actual: **81 ft.**

Year:	Name:	Type:
1962	EXCEL CLEANERS	Not reported

A3 **MAC S RADIATOR SERVICE** **EDR Hist Auto** **1009048091**
NNE **929 W COMPTON** **N/A**
< 1/8 **COMPTON, CA**
0.017 mi.
90 ft. **Site 3 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1951 MAC S RADIATOR SERVICE AUTOMOBILE RADIATOR REPAIRERS

A4 **FORST & SON** **EDR Hist Auto** **1009016987**
North **945 W COMPTON BLVD** **N/A**
< 1/8 **COMPTON, CA**
0.020 mi.
107 ft. **Site 4 of 4 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
81 ft. 1947 FORST & SON AUTOMOBILE REPAIRING
1947 FORST & SON AUTOMOBILE REPAIRING

B5 **BLACKSHIRE & MARSHALL** **RCRA NonGen / NLR** **1000173572**
WNW **1011 W COMPTON BLVD** **FINDS** **CAD981685076**
< 1/8 **COMPTON, CA 90220** **ECHO**
0.020 mi.
108 ft. **Site 1 of 5 in cluster B**

Relative: RCRA NonGen / NLR:
Higher

Actual: Date form received by agency: 10/27/1986
83 ft. Facility name: BLACKSHIRE & MARSHALL
Facility address: 1011 W COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981685076
Mailing address: W COMPTON BLVD
COMPTON, CA 90220
Contact: ENVIRONMENTAL MANAGER
Contact address: 1011 W COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-632-9228
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BLACKSHIRE & MARSHALL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner

BLACKSHIRE & MARSHALL (Continued) **1000173572**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751996

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000173572
Registry ID: 110002751996
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002751996

6
NE
< 1/8
0.026 mi.
139 ft.

FASHION CLEANERS
901 W COMPTON
COMPTON, CA 90220

EDR Hist Cleaner **1009125864**
N/A

Relative:
Lower

Actual:
80 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1962	FASHION CLEANERS	Not reported

B7
WNW
< 1/8
0.029 mi.
155 ft.

HOOPER'S CARPETS
1001 W COMPTON BLVD
COMPTON, CA 90220
Site 2 of 5 in cluster B

UST **U004265836**
N/A

Relative:
Higher

Actual:
83 ft.

UST:

Facility ID:	LACoFA
Permitting Agency:	Los Angeles County Fire Department
Latitude:	33.8961
Longitude:	-118.24212

B8
WNW
< 1/8
0.031 mi.
162 ft.

SINCLAIR C B
1001 W COMPTON BLVD
COMPTON, CA
Site 3 of 5 in cluster B

EDR Hist Auto **1009015805**
N/A

Relative:
Higher

Actual:
83 ft.

EDR Hist Auto

Year:	Name:	Type:
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1947	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
1951	SINCLAIR C B	GASOLINE AND OIL SERVICE STATIONS
2010	COOPERS AUTO	General Automotive Repair Shops

B9
WNW
< 1/8
0.031 mi.
162 ft.

HOOPER'S CARPET
1001 COMPTON BLVD W
COMPTON, CA 90220
Site 4 of 5 in cluster B

LUST **S117896754**
N/A

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006793
Global Id:	T10000006793
Latitude:	33.8961
Longitude:	-118.24211
Status:	Completed - Case Closed
Status Date:	01/25/2018
Case Worker:	MB
RB Case Number:	R-14568
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported

HOOPER'S CARPET (Continued) **S117896754**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000006793
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Reported

Global Id: T10000006793
Action Type: RESPONSE
Date: 06/08/2015
Action: Other Report / Document

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 06/02/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 01/25/2018
Action: Closure/No Further Action Letter

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Began

Global Id: T10000006793
Action Type: RESPONSE
Date: 08/14/2017
Action: Site Assessment Report

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 03/15/2017
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 05/04/2015
Action: Referral to Regional Board

Global Id: T10000006793
Action Type: RESPONSE

HOOPER'S CARPET (Continued) **S117896754**

Date: 02/22/2016
Action: Soil and Water Investigation Workplan

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 11/20/2015
Action: Staff Letter

Global Id: T10000006793
Action Type: ENFORCEMENT
Date: 10/12/2017
Action: Notification - Preclosure

Global Id: T10000006793
Action Type: Other
Date: 05/04/2015
Action: Leak Discovery

LUST:
Global Id: T10000006793
Status: Open - Case Begin Date
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Site Assessment
Status Date: 05/04/2015

Global Id: T10000006793
Status: Open - Eligible for Closure
Status Date: 10/12/2017

Global Id: T10000006793
Status: Completed - Case Closed
Status Date: 01/25/2018

B10 **EXOTIC MOTEL** **SWEEPS UST** **S101584168**
West **1100 W COMPTON BLVD** **CA FID UST** **N/A**
< 1/8 **COMPTON, CA 90220** **LOS ANGELES CO. HMS**
0.050 mi.
266 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
84 ft.

SWEEPS UST:
Status: Active
Comp Number: 14599
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-10-89
Action Date: 11-10-89
Created Date: 11-10-89
Owner Tank Id: UL-E-583756
SWRCB Tank Id: 19-000-014599-000001
Tank Status: A
Capacity: 12000
Active Date: 11-10-89
Tank Use: OIL
STG: P

EXOTIC MOTEL (Continued) **S101584168**

Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19009158
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135671251
Mail To: Not reported
Mailing Address: 866 CALIFORNIA AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: COMPTON 90220
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 014105-014599
Facility Type: Not reported
Facility Status: Removed
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

11
West
< 1/8
0.090 mi.
473 ft.

JOE JOHNSON/VACANT LOT **SWEEPS UST** **S106927840**
1205 W COMPTON BLVD **N/A**
INGLEWOOD, CA

Relative: Higher

Actual: 85 ft.

SWEEPS UST:
Status: Active
Comp Number: 13335
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

C12
SSE
1/4-1/2
0.377 mi.
1992 ft.

Relative:
Higher

Actual:
87 ft.

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A &
901 WEST ALONDRA BLVD
COMPTON, CA 90220

Site 1 of 3 in cluster C

Database(s): SWEEPS UST, HIST UST, EMI, HIST CORTESE, LOS ANGELES CO. HMS, NPDES

EDR ID Number: U001562688
EPA ID Number: N/A

SWEEPS UST:

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	3

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13049
Number:	Not reported
Board Of Equalization:	44-010030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013049-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: 6
SWRCB Tank Id: 19-000-013049-000006
Tank Status: A
Capacity: 1000
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Created Date: 06-30-89
Owner Tank Id: 7
SWRCB Tank Id: 19-000-013049-000007
Tank Status: A
Capacity: 500
Active Date: 01-04-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 13049
Number: 5
Board Of Equalization: 44-010030
Referral Date: 01-04-91
Action Date: 01-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013049-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00027432
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027432.pdf
Region: STATE
Facility ID: 00000041390
Facility Type: Other
Other Type: GENERAL AVIATION AIR
Contact Name: Not reported
Telephone: 2136318140
Owner Name: COUNTY OF LOS ANGELES, DEPT. O
Owner Address: 550 S. VERMONT
Owner City,St,Zip: LOS ANGELES, CA 90020
Total Tanks: 0008

Tank Num: 001
Container Num: 1
Year Installed: 1970
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1970
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: 06

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1970
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	7
Year Installed:	1970
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	008
Container Num:	8
Year Installed:	1970
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	None

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Click here for Geo Tracker PDF:

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	1745
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-08082

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	007662-013049
Facility Type:	0
Facility Status:	Permit
Area:	2P
Permit Number:	00005237T
Permit Status:	Permit

Region:	LA
Permit Category:	Not reported
Facility Id:	007662-050956
Facility Type:	Not reported
Facility Status:	OPEN
Area:	2P
Permit Number:	Not reported
Permit Status:	Not reported

Region:	LA
Permit Category:	I
Facility Id:	007662-I08082
Facility Type:	01
Facility Status:	Closed
Area:	2P
Permit Number:	000010432
Permit Status:	Closed

Region:	LA
Permit Category:	I

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Facility Id: 007662-I08082
Facility Type: 01
Facility Status: Closed
Area: 2P
Permit Number: 00010433J
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 007662-008082
Facility Type: Not reported
Facility Status: OPEN
Area: 2P
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	490554
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C381587
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/30/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Department of Public Works
Discharge Address:	PO Box 1460
Discharge City:	Alhambra
Discharge State:	California
Discharge Zip:	91802-1460
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	191256
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/25/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	American Airport Corp
Discharge Address:	2425 Olympic Blvd
Discharge City:	Santa Monica
Discharge State:	California
Discharge Zip:	90404
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	191256
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I016803
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	09/25/2001
STATUS CODE NAME:	Active
STATUS DATE:	09/25/2001
PLACE SIZE:	77
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Lionardo Iniguez
FACILITY CONTACT TITLE:	Assistant Manager
FACILITY CONTACT PHONE:	310-631-8140
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	liniguez@americanairports.net
OPERATOR NAME:	American Airport Corp
OPERATOR ADDRESS:	2425 Olympic Blvd
OPERATOR CITY:	Santa Monica
OPERATOR STATE:	California
OPERATOR ZIP:	90404
OPERATOR CONTACT NAME:	Carlos Diaz
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-631-8140
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cdiaz@americanairports.net
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-631-8140
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported

COMPTON WOODLEY AIRPORT RUNWAY 7R 25L TAXIWAY A & C CONNECTO (Continued) **U001562688**

CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	no
CERTIFIER NAME:	Carlos Diaz
CERTIFIER TITLE:	Airport Manager
CERTIFICATION DATE:	07-JUN-16
PRIMARY SIC:	4581-Airports, Flying Fields, and Airport Terminal Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

C13 **LA CO DPW COMPTON AIRPORT** **LUST** **S105034973**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**

Actual: **87 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792989
Global Id:	T0603792989
Latitude:	33.888737
Longitude:	-118.239565
Status:	Completed - Case Closed
Status Date:	08/25/2015
Case Worker:	JW
RB Case Number:	R-08082A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

LUST:

Global Id:	T0603792989
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603792989
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Phone Number: 6264583507

LUST:

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/03/2013
Action: Staff Letter

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 10/25/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 02/28/2003
Action: 13267 Requirement

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/14/2003
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: Other
Date: 06/15/2000
Action: Leak Reported

Global Id: T0603792989
Action Type: RESPONSE
Date: 09/15/2005
Action: Well Installation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: Other
Date: 10/17/1998
Action: Leak Discovery

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 07/28/2006
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2004
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: Closure/No Further Action Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/14/2012
Action: Remedial Progress Report

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 05/16/2001
Action: Staff Letter

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2014
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 08/03/2001
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Global Id: T0603792989
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2004
Action: Sensitive Receptor Survey Report

Global Id: T0603792989
Action Type: REMEDIATION
Date: 04/01/2009
Action: Soil Vapor Extraction (SVE)

Global Id: T0603792989
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603792989
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: Staff Letter

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 03/28/2014
Action: Notification - Preclosure

Global Id: T0603792989
Action Type: RESPONSE

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603792989
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603792989
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

LUST:
Global Id: T0603792989
Status: Open - Case Begin Date
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 03/07/1991

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 02/25/1999

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Verification Monitoring
Status Date: 06/15/2000

Global Id: T0603792989
Status: Open - Site Assessment
Status Date: 07/24/2000

Global Id: T0603792989
Status: Open - Remediation
Status Date: 01/17/2006

Global Id: T0603792989
Status: Open - Remediation
Status Date: 07/28/2006

Global Id: T0603792989
Status: Open - Eligible for Closure
Status Date: 06/10/2014

Global Id: T0603792989
Status: Completed - Case Closed
Status Date: 08/25/2015

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704769
Global Id:	T0603704769
Latitude:	33.888675
Longitude:	-118.239369
Status:	Completed - Case Closed
Status Date:	12/16/1994
Case Worker:	JOA
RB Case Number:	R-08082
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603704769
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704769
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704769
Action Type:	Other
Date:	02/27/1992
Action:	Leak Reported

LUST:

Global Id:	T0603704769
Status:	Open - Case Begin Date
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Open - Site Assessment
Status Date:	02/27/1992

Global Id:	T0603704769
Status:	Completed - Case Closed
Status Date:	12/16/1994

LUST REG 4:

Region:	4

LA CO DPW COMPTON AIRPORT (Continued) **S105034973**

Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704769	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/27/1992
Date Leak Record Entered:	6/8/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		3/2/1992
Date the Case was Closed:		12/16/1994
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2624.92858702247185499175124 26
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		2/27/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	33.8885242 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

C14 **LA CO DPW COMPTON AIRPORT** **LUST** **U002281402**
SSE **901 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.377 mi.
1992 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
87 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-08082A	
Status:	Leak being confirmed	
Substance:	Perchlorethylene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		OT
Global ID:	T0603792989	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19000	
Cross Street:	WILMINGTON AVE	
Enforcement Type:	DLSEL	
Date Leak Discovered:	10/17/1998	
Date Leak First Reported:		6/15/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	7/24/2000	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/20/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Repair Tank	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	LA CO. PUBLIC WORKS	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2726.537498147868149698838 4725
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		3/7/1991
Preliminary Site Assessment Began:		2/25/1999
Pollution Characterization Began:		6/15/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		6/15/2000
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		6.2
Hist Max MTBE Conc in Soil:		1.39
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	REZA IZADI	
RP Address:	900 S. FREMONT AVE.	
Program:	LUST	
Lat/Long:	33.888737 / -1	
Local Agency Staff:	Not reported	

LA CO DPW COMPTON AIRPORT (Continued) **U002281402**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	37PPB PCE IN GW, NEED FULL REPORTS FOR LOW RISK REVIEW.

D15 **SHELL #204-1740-0304** **LUST** **S102436991**
SSE **803 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.467 mi.
2467 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
85 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703330
Global Id:	T0603703330
Latitude:	33.888781
Longitude:	-118.23741
Status:	Completed - Case Closed
Status Date:	10/16/1996
Case Worker:	YR
RB Case Number:	I-09002
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703330
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703330
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703330
Action Type:	Other
Date:	04/22/1993
Action:	Leak Reported

Global Id:	T0603703330
Action Type:	Other

SHELL #204-1740-0304 (Continued) **S102436991**

Date: 04/14/1993
Action: Leak Discovery

LUST:
Global Id: T0603703330
Status: Open - Case Begin Date
Status Date: 04/14/1993

Global Id: T0603703330
Status: Completed - Case Closed
Status Date: 10/16/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09002
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703330
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: WILMINGTON AVE
Enforcement Type: Not reported
Date Leak Discovered: 4/14/1993
Date Leak First Reported: 4/22/1993
Date Leak Record Entered: 3/8/1993
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/3/1997
Date the Case was Closed: 10/16/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2289.1109250912564268131725747
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported

SHELL #204-1740-0304 (Continued) **S102436991**

Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL PRODUCTS CO
RP Address: 3611 S HARBOR BLVD, SUITE 160, SANTA ANA CA 92704
Program: LUST
Lat/Long: 33.8887692 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 03/03/97 - WELL ABANDONMENT REPORT

D16
SSE
1/4-1/2
0.467 mi.
2467 ft.

SHELL #204-1740-0304
803 ALONDRA
COMPTON, CA 90220

Site 2 of 2 in cluster D

HIST CORTESE **S105126313**
N/A

Relative:
Higher

Actual:
85 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: Not reported
Reg By: Not reported
Reg Id: Not reported

17
West
1/4-1/2
0.476 mi.
2514 ft.

JOHNSON CONTROLS INC EPSD
1707 WEST COMPTON BLVD
COMPTON, CA 90220

RCRA-SQG **1000320800**
LUST **CAD981575061**
SWEEPS UST
FINDS
ECHO
HAZNET
HIST CORTESE
WDS

Relative:
Higher

Actual:
98 ft.

RCRA-SQG:
Date form received by agency: 11/04/1986
Facility name: JOHNSON CONTROLS INC EPSD
Facility address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
EPA ID: CAD981575061
Mailing address: P O BOX 4309
COMPTON, CA 90224
Contact: ENVIRONMENTAL MANAGER
Contact address: 1707 WEST COMPTON BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 213-537-7200
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOHNSON CONTROLS INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701244
Global Id:	T0603701244
Latitude:	33.896596
Longitude:	-118.250498

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Status: Completed - Case Closed
Status Date: 09/05/1996
Case Worker: YR
RB Case Number: 902200016
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701244
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701244
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701244
Action Type: Other
Date: 03/17/1986
Action: Leak Reported

LUST:
Global Id: T0603701244
Status: Open - Case Begin Date
Status Date: 03/17/1986

Global Id: T0603701244
Status: Open - Site Assessment
Status Date: 06/10/1988

Global Id: T0603701244
Status: Completed - Case Closed
Status Date: 09/05/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902200016
Status: Case Closed

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603701244	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CENTRAL	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/17/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/19/1998
Date the Case was Closed:		9/5/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	FORMER	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1246.62015003768946946278445 93
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/10/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOHNSON CONTROLS, INCORPORATED	
RP Address:	P.O. BOX 4309, COMPTON, CA 90224	
Program:	LUST	
Lat/Long:	33.8959122 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	*PLAN IS INADEQUATE: MORE INFORMATION IS NEEDED TEST INDICATE AIR & BOIREMEDIATION OPTIMUM TREATMENTASSIGNED CASE TO EH	15AUG95

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

SWEEPS UST:

Status:	Active
Comp Number:	10349
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

FINDS:

Registry ID: 110002720011

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000320800
Registry ID:	110002720011
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002720011

HAZNET:

envid:	1000320800
Year:	1995
GEPAID:	CAD981575061
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	P O BOX 4309
Mailing City,St,Zip:	COMPTON, CA 902240000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Tons: 2.5228
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000320800
Year: 1993
GEPAID: CAD981575061
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 4309
Mailing City,St,Zip: COMPTON, CA 902240000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 1.0425
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902200016

WDS:
Facility ID: Los Angeles River 191274001
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 4
Facility Telephone: 7144764321
Facility Contact: Ali Kashani
Agency Name: JOHNSON CONTROLS INC.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 3317
SIC Code 2: Not reported
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: CNWTRS
Waste Type2: H
Waste2: Contaminated Ground Water
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.

JOHNSON CONTROLS INC EPSD (Continued) **1000320800**

Secondary Waste: Contaminated Soil
Secondary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

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18 **A & P GAS** **LUST** **S113186799**
South **1050 ALONDRA BLVD W** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.487 mi.
2571 ft.

Relative: **Higher**

Actual: **92 ft.**

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004565
Global Id: T10000004565
Latitude: 33.888225547014
Longitude: -118.242279589176
Status: Completed - Case Closed
Status Date: 09/06/2016
Case Worker: AT
RB Case Number: R-14686
Local Agency: LOS ANGELES COUNTY
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Soil, Under Investigation
Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Toluene, Xylene
Site History: Not reported

LUST:
Global Id: T10000004565
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T10000004565
Contact Type: Local Agency Caseworker
Contact Name: LUKE MITCHELL
Organization Name: LOS ANGELES COUNTY

A & P GAS (Continued) **S113186799**

Address: 900 S Fremont Ave
City: ALHAMBRA
Email: lmitchell@dpw.lacounty.gov
Phone Number: 6264583510

LUST:
Global Id: T10000004565
Action Type: Other
Date: 01/31/2013
Action: Leak Reported

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/09/2013
Action: Staff Letter

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 03/13/2013
Action: Referral to Regional Board

Global Id: T10000004565
Action Type: REMEDIATION
Date: 10/09/2012
Action: Excavation

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Stopped

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 04/24/2013
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: ENFORCEMENT
Date: 09/06/2016
Action: Closure/No Further Action Letter

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Began

Global Id: T10000004565
Action Type: RESPONSE
Date: 07/05/2016
Action: Correspondence

Global Id: T10000004565
Action Type: RESPONSE
Date: 03/29/2013
Action: Site Assessment Report

Global Id: T10000004565

A & P GAS (Continued) **S113186799**

Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Notification - Preclosure

Global Id: T10000004565
Action Type: Other
Date: 10/09/2012
Action: Leak Discovery

LUST:
Global Id: T10000004565
Status: Open - Case Begin Date
Status Date: 10/09/2012

Global Id: T10000004565
Status: Open - Assessment & Interim Remedial Action
Status Date: 01/30/2013

Global Id: T10000004565
Status: Open - Eligible for Closure
Status Date: 04/12/2013

Global Id: T10000004565
Status: Completed - Case Closed
Status Date: 09/06/2016

19
East
1/2-1
0.620 mi.
3274 ft.

413 WEST COMPTON BOULEVARD **ENVIROSTOR** **S113883342**
413 WEST COMPTON BOULEVARD **N/A**
COMPTON, CA 90220

Relative:
Lower

Actual:
70 ft.

ENVIROSTOR:
Facility ID: 60001929
Status: No Action Required
Status Date: 07/09/2014
Site Code: 301635
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Maryam Tasnif-Abbasi
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.89621
Longitude: -118.2293
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301635
Alias Type: Project Code (Site Code)
Alias Name: 60001929
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/28/2014
Comments: Tech Memo Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/12/2013
Comments: Start Work Order issued on 11/12/2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/29/2013
Comments: Contract Fully Executed. Contract Term is 11/1/2013 to 04/30/2014.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 60001914
Status: Inactive - Needs Evaluation
Status Date: 05/29/2014
Site Code: 301582
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP

413 WEST COMPTON BOULEVARD (Continued) **S113883342**

Lead Agency:	SMBRP
Program Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	64
Senate:	Not reported
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301582
Alias Type:	Project Code (Site Code)
Alias Name:	60001914
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	01/02/2014
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

20
NNE
1/2-1
0.700 mi.
3698 ft.

UNIFORM RENTAL SERVICES **ENVIROSTOR** **S106797587**
730 E. 139TH ST. **N/A**
COMPTON, CA 90222

Relative:
Lower

Actual:
78 ft.

ENVIROSTOR:

Facility ID:	19720038
Status:	Refer: 1248 Local Agency
Status Date:	09/06/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned

UNIFORM RENTAL SERVICES (Continued) **S106797587**

Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90568
Longitude: -118.2376
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720038
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

21
WNW
1/2-1
0.742 mi.
3920 ft.

PLAZA CLEANERS
1904 W. ROSECRANS AVE.
COMPTON, CA 90220

ENVIROSTOR
DRYCLEANERS
EMI

S103638397
N/A

Relative:
Higher

Actual:
103 ft.

ENVIROSTOR:
Facility ID: 19720019
Status: Refer: 1248 Local Agency
Status Date: 09/07/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO

PLAZA CLEANERS (Continued) **S103638397**

Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.90199
Longitude: -118.2517
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DRYCLEANERS:
EPA Id: CAL000025358
NAICS Code: 812331
NAICS Description: Linen Supply
SIC Code: 7213
SIC Description: Linen Supply
Create Date: 05/10/1990
Facility Active: No
Inactive Date: 12/05/2016
Facility Addr2: Not reported
Owner Name: CHUN CHOONG CHA
Owner Address: 1904 W ROSECRANS
Owner Address 2: Not reported
Owner Telephone: 3106325765
Contact Name: CHOONG CHUN
Contact Address: 1904 W ROSECRANS
Contact Address 2: Not reported
Contact Telephone: 3106325765
Mailing Name: Not reported
Mailing Address 1: 1904 W ROSECRANS
Mailing Address 2: Not reported
Mailing City: COMPTON
Mailing State: CA
Mailing Zip: 902200000
Owner Fax: 0000000000
Region Code: 3

PLAZA CLEANERS (Continued) **S103638397**

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	36819
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

22
NNW
1/2-1
0.986 mi.
5205 ft.

CENTRAL AIRPORT **ENVIROSTOR** **S107736100**
N/A

COMPTON, CA

Relative:
Higher

Actual:
91 ft.

ENVIROSTOR:

Facility ID:	80000846
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35

CENTRAL AIRPORT (Continued) **S107736100**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.90833
Longitude: -118.25
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996700
Alias Type: Federal Facility ID
Alias Name: J09CA7144
Alias Type: INPR
Alias Name: 80000846
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S106386953	DOMINGUEZ ENERGY REYES LEASE - ARE	WILMINGTON	90746	SLIC
COMPTON	S107538181		CORNER OF PINE ST AND COMPTON		CDL
COMPTON	S117037728		NW CORNER OF W ROSECRANS AVE &	90222	CDL
COMPTON	S107540291		POLICE ALLEY BEHIND 637 W COMP	90220	CDL
WILLOWBROOK	S102432239	KING/DREW MEDICAL MAGNET	COMPTON AVE	90059	LUST, HIST CORTESE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/02/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/26/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/16/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 46

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/08/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/29/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 51

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/06/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 12

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 20

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 50

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/15/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 64

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 29
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 16
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

930 COMPTON BOULEVARD
930 COMPTON BOULEVARD
COMPTON, CA 90220

TARGET PROPERTY COORDINATES

Latitude (North):	33.895486 - 33° 53' 43.75''
Longitude (West):	118.24094 - 118° 14' 27.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385255.7
UTM Y (Meters):	3751066.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Northwest Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

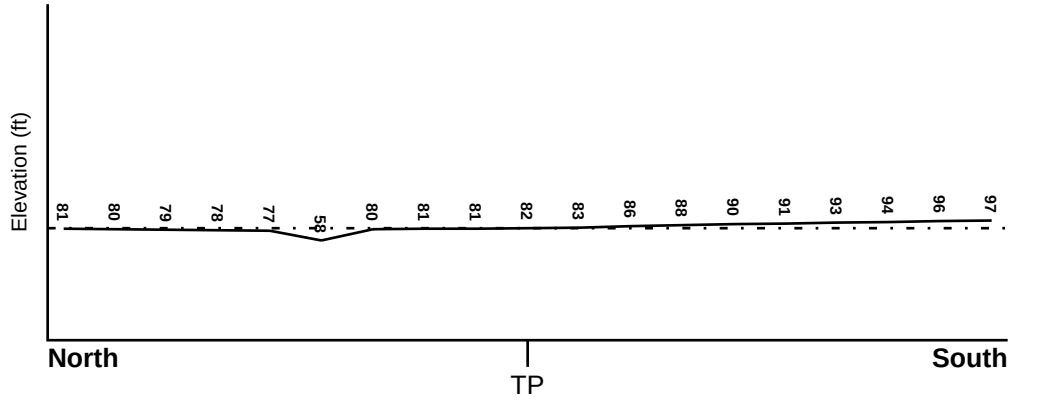
TOPOGRAPHIC INFORMATION

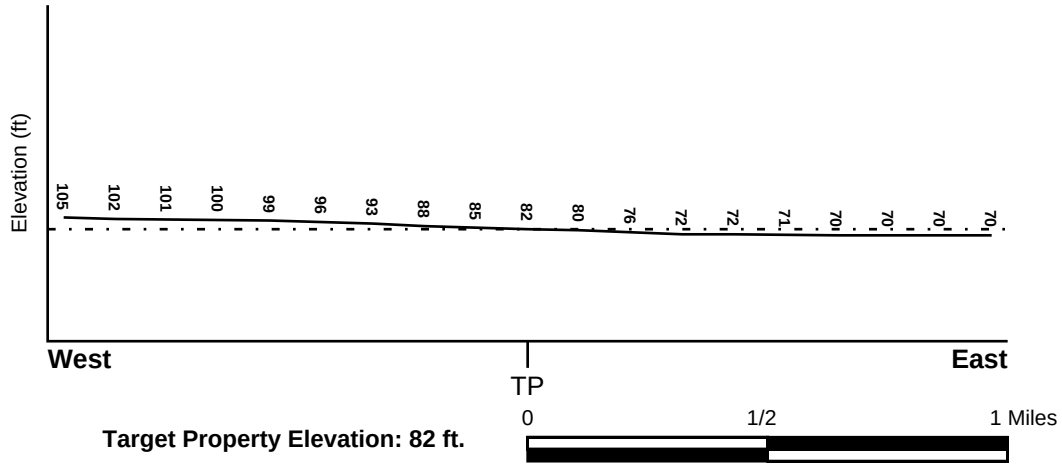
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 82 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1815F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1795F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SOUTH GATE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
25	1/2 - 1 Mile NE	Not Reported
1G	1/2 - 1 Mile NE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000138868	1/4 - 1/2 Mile NNW
2	USGS40000138856	1/4 - 1/2 Mile NE
A3	USGS40000138863	1/4 - 1/2 Mile NNW
B4	USGS40000138825	1/4 - 1/2 Mile ESE
B5	USGS40000138821	1/4 - 1/2 Mile ESE
B6	USGS40000138820	1/4 - 1/2 Mile ESE
B7	USGS40000138822	1/4 - 1/2 Mile ESE
B8	USGS40000138824	1/4 - 1/2 Mile ESE
B9	USGS40000138823	1/4 - 1/2 Mile ESE
16	USGS40000138860	1/2 - 1 Mile WNW
D17	USGS40000138790	1/2 - 1 Mile South
20	USGS40000138909	1/2 - 1 Mile NNW
21	USGS40000138912	1/2 - 1 Mile NNE
22	USGS40000138803	1/2 - 1 Mile SE
26	USGS40000138921	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C10	4131	1/4 - 1/2 Mile NE
C11	4127	1/4 - 1/2 Mile NE
C12	4132	1/4 - 1/2 Mile NE
C13	4134	1/4 - 1/2 Mile NE
C14	4133	1/4 - 1/2 Mile NE
C15	4126	1/4 - 1/2 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

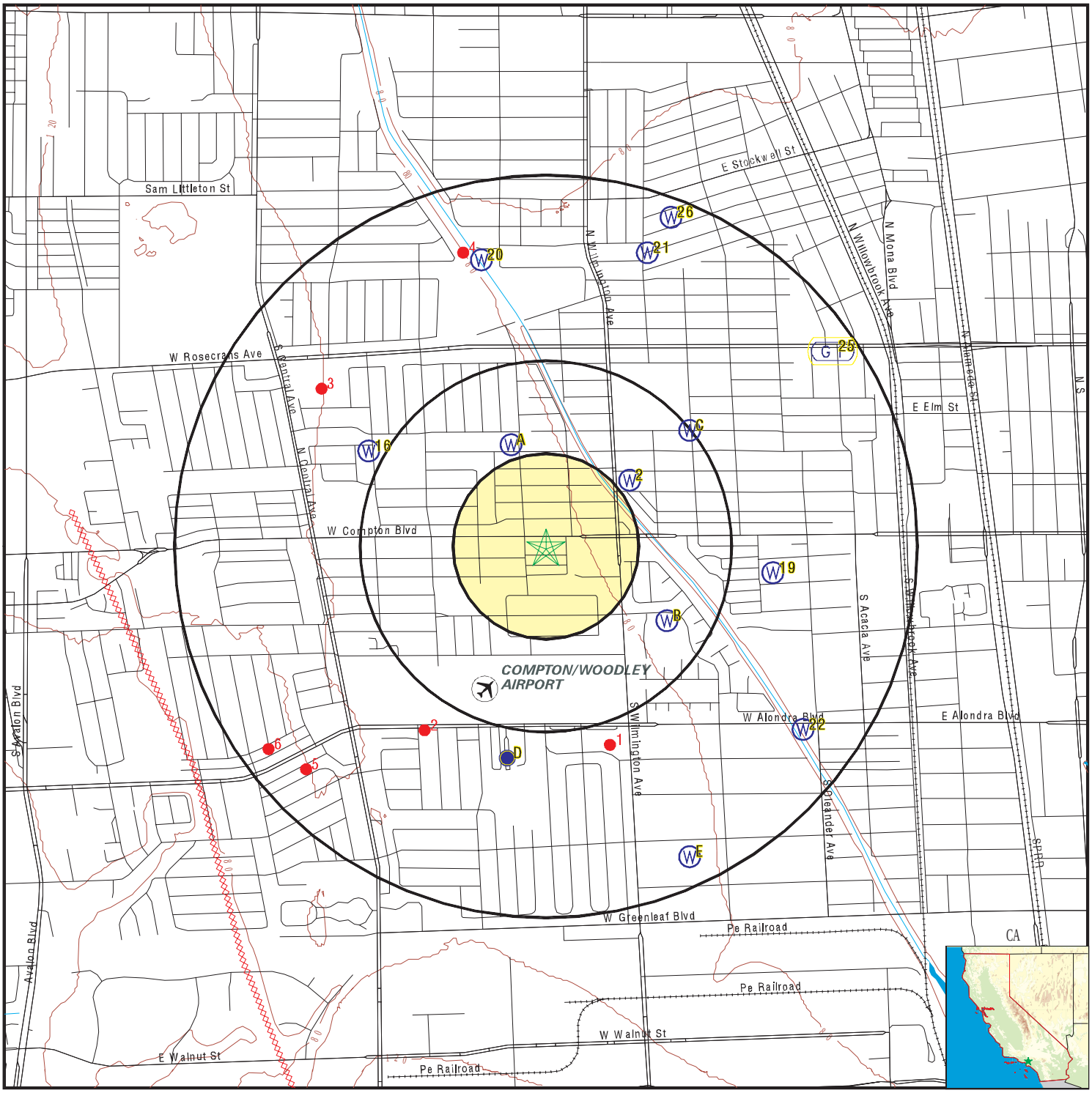
MAP ID	WELL ID	LOCATION FROM TP
D18	CADW60000031115	1/2 - 1 Mile SSW
19	14213	1/2 - 1 Mile East
E23	4135	1/2 - 1 Mile SSE
E24	4154	1/2 - 1 Mile SSE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204626	1/2 - 1 Mile SSE
2	CAOG11000204888	1/2 - 1 Mile SSW
3	CAOG11000204647	1/2 - 1 Mile NW
4	CAOG11000204579	1/2 - 1 Mile NNW
5	CAOG11000204709	1/2 - 1 Mile SW
6	CAOG11000204561	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 5253592.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	930 Compton Boulevard	CLIENT:	Stantec
ADDRESS:	930 Compton Boulevard Compton CA 90220	CONTACT:	Alicia Jansen
LAT/LONG:	33.895486 / 118.24094	INQUIRY #:	5253592.2s
		DATE:	April 11, 2018 8:10 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138868**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335358118142801		
Monloc name:	003S013W21A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994605
Longitude:	-118.2420164	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	200
Welldepth units:	ft	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138856**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335353118141001		
Monloc name:	003S013W22E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8980716
Longitude:	-118.2370162	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	596
Welldepth units:	ft	Wellholedepth:	640
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A3
NNW **FED USGS** **USGS40000138863**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335357118143501		
Monloc name:	003S013W21B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8994556
Longitude:	-118.2431222	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19481222	Welldepth:	442
Welldepth units:	ft	Wellholedepth:	495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B4
ESE **FED USGS** **USGS40000138825**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140606		
Monloc name:	003S013W22M007S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	170
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B5
ESE **FED USGS** **USGS40000138821**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140602		
Monloc name:	003S013W22M003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	850
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B6
ESE **FED USGS** **USGS40000138820**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140601		
Monloc name:	003S013W22M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	1495
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B7
ESE **FED USGS** **USGS40000138822**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140603		
Monloc name:	003S013W22M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	605
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B8
ESE **FED USGS** **USGS40000138824**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140605		
Monloc name:	003S013W22M006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	315
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B9
ESE **FED USGS** **USGS40000138823**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335333118140604		
Monloc name:	003S013W22M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8925833
Longitude:	-118.2352667	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20070117	Welldepth:	400
Welldepth units:	ft	Wellholedepth:	1505
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C10
NE **CA WELLS** **4131**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-16K01 S	User ID:	4TH
FRDS Number:	1910021004	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 12-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	06-JUN-13	Findings:	0.498 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	06-JUN-13	Findings:	5.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	06-JUN-13	Findings:	0.178 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	06-JUN-13	Findings:	0.405 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	06-JUN-13	Findings:	6.26 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06-JUN-13	Findings:	0.41 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06-JUN-13	Findings:	4.8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06-JUN-13	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		

C11
NE **CA WELLS** **4127**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M05 S	User ID:	4TH
FRDS Number:	1910147005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 05		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:			
	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	17-JAN-12	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-JAN-12	Findings:	0.78 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	13-FEB-12	Findings:	17.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	23-APR-12	Findings:	19.2 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	23-APR-12	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	23-APR-12	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	14-MAY-12	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	21. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	19.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	42. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-OCT-12	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-NOV-12	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-13	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	18.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-FEB-13	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-MAR-13	Findings:	18.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	22-APR-13	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		

Sample Collected:	20-MAY-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-JUN-13	Findings:	21.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	22.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-AUG-13	Findings:	22.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-SEP-13	Findings:	21.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	620. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	21-OCT-13	Findings:	7.71
Chemical:	PH, LABORATORY		
Sample Collected:	21-OCT-13	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	21-OCT-13	Findings:	250. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	21-OCT-13	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	21-OCT-13	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	21-OCT-13	Findings:	40. MG/L
Chemical:	SODIUM		
Sample Collected:	21-OCT-13	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	21-OCT-13	Findings:	35. MG/L
Chemical:	CHLORIDE		
Sample Collected:	21-OCT-13	Findings:	91. MG/L
Chemical:	SULFATE		
Sample Collected:	21-OCT-13	Findings:	0.39 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	21-OCT-13	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	21-OCT-13	Findings:	0.53 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	21-OCT-13	Findings:	400. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	21-OCT-13	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	21-OCT-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	21-OCT-13	Findings:	640. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	21-OCT-13	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	12-NOV-13	Findings:	19.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JAN-14	Findings:	0.59 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	14-JAN-14	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-APR-14	Findings:	0.62 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07-APR-14	Findings:	1.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-APR-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-JUL-14	Findings:	25. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-JUL-14	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-OCT-14	Findings:	0.55 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06-OCT-14	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-OCT-14	Findings:	1.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	26-FEB-15	Findings:	0.7 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-MAR-15	Findings:	0.559 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	02-MAR-15	Findings:	8.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	02-MAR-15	Findings:	0.142 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	02-MAR-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	02-MAR-15	Findings:	44. UG/L
Chemical:	MANGANESE		

Sample Collected:	02-MAR-15	Findings:	5.82 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02-MAR-15	Findings:	0.327 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02-MAR-15	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02-MAR-15	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	02-MAR-15	Findings:	1.e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06-APR-15	Findings:	53. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-MAY-15	Findings:	21. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-JUN-15	Findings:	46. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	50. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUL-15	Findings:	1.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	03-AUG-15	Findings:	58. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-15	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	04-JAN-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-FEB-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-APR-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	09-MAY-16	Findings:	1.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	06-JUN-16	Findings:	1.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	11-JUL-16	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-AUG-16	Findings:	0.49 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-SEP-16	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	590. US
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	03-OCT-16	Findings:	7.87
Chemical:	PH, LABORATORY		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03-OCT-16	Findings:	210. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	64. MG/L
Chemical:	CALCIUM		
Sample Collected:	03-OCT-16	Findings:	13. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03-OCT-16	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	03-OCT-16	Findings:	3.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03-OCT-16	Findings:	30. MG/L
Chemical:	CHLORIDE		
Sample Collected:	03-OCT-16	Findings:	83. MG/L
Chemical:	SULFATE		
Sample Collected:	03-OCT-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03-OCT-16	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	03-OCT-16	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-OCT-16	Findings:	350. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03-OCT-16	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-DEC-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-FEB-17	Findings:	22. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-MAR-17	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-MAY-17	Findings:	0.63 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05-JUN-17	Findings:	42. UG/L
Chemical:	MANGANESE		

C12
NE
1/4 - 1/2 Mile
Lower

CA WELLS **4132**

Water System Information:

Prime Station Code:	03S/13W-21A01 S	User ID:	4TH
FRDS Number:	1910021005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-A - DESTROYED		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C13
NE **CA WELLS** **4134**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21C06 S	User ID:	4TH
FRDS Number:	1910021006	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-B - STANDBY		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

C14
NE **CA WELLS** **4133**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-21B01 S	User ID:	4TH
FRDS Number:	1910021007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 13-C		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

Sample Collected:	28-JUN-12	Findings:	1. UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-AUG-12	Findings:	0.8 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	14-FEB-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-MAR-13	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-APR-13	Findings:	0.74 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10-APR-13	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	870. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02-FEB-12	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02-FEB-12	Findings:	340. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02-FEB-12	Findings:	99. MG/L
Chemical:	CALCIUM		
Sample Collected:	02-FEB-12	Findings:	22. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02-FEB-12	Findings:	52. MG/L
Chemical:	SODIUM		
Sample Collected:	02-FEB-12	Findings:	3.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02-FEB-12	Findings:	81. MG/L
Chemical:	CHLORIDE		
Sample Collected:	02-FEB-12	Findings:	150. MG/L
Chemical:	SULFATE		
Sample Collected:	02-FEB-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02-FEB-12	Findings:	2.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	02-FEB-12	Findings:	160. UG/L
Chemical:	IRON		
Sample Collected:	02-FEB-12	Findings:	0.87 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02-FEB-12	Findings:	540. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	02-FEB-12	Findings:	1.02
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	02-FEB-12	Findings:	0.38 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02-FEB-12	Findings:	12.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	23-FEB-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-MAR-12	Findings:	0.94 UG/L
Chemical:	TRICHLOROETHYLENE		

C15
NE **CA WELLS** **4126**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	03S/13W-15M04 S	User ID:	4TH
FRDS Number:	1910147001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335400.0 1181400.0	Precision:	Undefined
Source Name:	WELL 02		
System Number:	1910147		
System Name:	SATIVA-L.A. CWD		
Organization That Operates System:	2015 E HATCHWAY STREET COMPTON, CA 90222		
Pop Served:	6813	Connections:	1488
Area Served:	COMPTON		
Sample Collected:	06-OCT-14	Findings:	600. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-OCT-14	Findings:	7.82
Chemical:	PH, LABORATORY		
Sample Collected:	06-OCT-14	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	221. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06-OCT-14	Findings:	65.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	06-OCT-14	Findings:	13.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06-OCT-14	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	06-OCT-14	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06-OCT-14	Findings:	30. MG/L
Chemical:	CHLORIDE		

Sample Collected:	06-OCT-14	Findings:	79. MG/L
Chemical:	SULFATE		
Sample Collected:	06-OCT-14	Findings:	5.7e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	06-OCT-14	Findings:	360. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06-OCT-14	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-JAN-15	Findings:	0.758 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-JAN-15	Findings:	0.222 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	05-JAN-15	Findings:	0.188 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	05-JAN-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	05-JAN-15	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05-JAN-15	Findings:	0.35 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-JAN-15	Findings:	4.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05-JAN-15	Findings:	0.69 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05-JAN-15	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04-APR-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04-APR-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	04-APR-16	Findings:	110. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-MAY-16	Findings:	200. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-JUN-16	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	30-SEP-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	30-SEP-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	30-SEP-16	Findings:	2.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	03-OCT-16	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03-OCT-16	Findings:	240. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06-MAR-17	Findings:	130. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-17	Findings:	62. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JUL-12	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	22.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	22-APR-13	Findings:	20.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	0.41 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	22-APR-13	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	18-JUN-13	Findings:	19.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-OCT-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		

16
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138860**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335356118145801		
Monloc name:	003S013W21C006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8992167
Longitude:	-118.249236	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	395
Welldepth units:	ft	Wellholedepth:	481
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D17
South **FED USGS** **USGS40000138790**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335314118142901		
Monloc name:	003S013W21R003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8872385
Longitude:	-118.242294	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	90
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19520619	Welldepth:	470
Welldepth units:	ft	Wellholedepth:	470
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-09-14	122.45	

D18
SSW **CA WELLS** **CADW60000031115**
1/2 - 1 Mile
Higher

Objectid:	31115
Latitude:	33.8872
Longitude:	-118.2432
Site code:	338872N1182432W001
State well numbe:	03S13W21R003S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles

Basin code:	'4-11.04'
Basin desc:	Central
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000031115

19
East
1/2 - 1 Mile
Lower

CA WELLS **14213**

Water System Information:

Prime Station Code:	1910026-015	User ID:	4TH
FRDS Number:	1910026015	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335340.0 1181346.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 17		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:	205 S WILLOWBROOK AVE COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		
Sample Collected:	16-APR-12	Findings:	19. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	700. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-12	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	160. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-12	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-12	Findings:	79. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-12	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-12	Findings:	44. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-12	Findings:	3.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-12	Findings:	54. MG/L
Chemical:	CHLORIDE		

Sample Collected:	16-APR-12	Findings:	99. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-12	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-12	Findings:	3. UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-12	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-12	Findings:	650. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-12	Findings:	430. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-12	Findings:	3.9 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03-MAY-12	Findings:	1000. UG/L
Chemical:	IRON		
Sample Collected:	03-MAY-12	Findings:	740. UG/L
Chemical:	ALUMINUM		
Sample Collected:	18-SEP-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-APR-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-DEC-13	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	16-DEC-13	Findings:	2.14 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	16-DEC-13	Findings:	1.95 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	16-APR-15	Findings:	770. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-15	Findings:	7.86
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-15	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

Sample Collected:	16-APR-15	Findings:	230. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-15	Findings:	280. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-15	Findings:	84. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-15	Findings:	17. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-15	Findings:	47. MG/L
Chemical:	SODIUM		
Sample Collected:	16-APR-15	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-15	Findings:	68. MG/L
Chemical:	CHLORIDE		
Sample Collected:	16-APR-15	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-15	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-15	Findings:	3.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-15	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-15	Findings:	530. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-15	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	500. UG/L
Chemical:	ALUMINUM		
Sample Collected:	16-APR-15	Findings:	480. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-15	Findings:	6.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	16-APR-15	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

20
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000138909**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335424118143501		
Monloc name:	003S013W16K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9066826
Longitude:	-118.243961	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	230
Welldepth units:	ft	Wellholedepth:	270
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

21
NNE **FED USGS** **USGS40000138912**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335425118140701		
Monloc name:	003S013W15M005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9069603
Longitude:	-118.236183	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	443
Welldepth units:	ft	Wellholedepth:	445
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
SE **FED USGS** **USGS40000138803**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335318118134401		
Monloc name:	003S013W22Q004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8883333
Longitude:	-118.2288889	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	65
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	642
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E23
SSE **CA WELLS 4135**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-21R03 S	User ID:	4TH
FRDS Number:	1910021010	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 31-A - INACTIVE		
System Number:	1910021		
System Name:	PARK WC - COMPTON		
Organization That Operates System:			
	PO BOX 7002 (9750 WASHBURN RD)		
	DOWNEY, CA 90241		
Pop Served:	30000	Connections:	6527
Area Served:	COMPTON		

E24
SSE **CA WELLS 4154**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	03S/13W-27E02 S	User ID:	4TH
FRDS Number:	1910026009	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335300.0 1181400.0	Precision:	Undefined
Source Name:	WELL 11		
System Number:	1910026		
System Name:	COMPTON-CITY, WATER DEPT.		
Organization That Operates System:			
	205 S WILLOWBROOK AVE		
	COMPTON, CA 90220		
Pop Served:	81000	Connections:	13459
Area Served:	COMPTON CITY		

Sample Collected:	17-JAN-12	Findings:	370. UG/L
Chemical:	IRON		
Sample Collected:	17-JAN-12	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-FEB-12	Findings:	20.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-FEB-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-MAR-12	Findings:	21.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-MAR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	26-MAR-12	Findings:	20.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-MAY-12	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-MAY-12	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-12	Findings:	20.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	390. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-12	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-JUL-12	Findings:	21.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-JUL-12	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-AUG-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	13-AUG-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	22.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-OCT-12	Findings:	24.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-OCT-12	Findings:	120. UG/L
Chemical:	IRON		

Sample Collected:	15-OCT-12	Findings:	27. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-NOV-12	Findings:	18. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-NOV-12	Findings:	430. UG/L
Chemical:	IRON		
Sample Collected:	19-NOV-12	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-DEC-12	Findings:	17.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	960. UG/L
Chemical:	IRON		
Sample Collected:	17-DEC-12	Findings:	52. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	690. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	31-OCT-14	Findings:	7.83
Chemical:	PH, LABORATORY		
Sample Collected:	31-OCT-14	Findings:	210. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	31-OCT-14	Findings:	260. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	31-OCT-14	Findings:	80. MG/L
Chemical:	CALCIUM		
Sample Collected:	31-OCT-14	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	31-OCT-14	Findings:	50. MG/L
Chemical:	SODIUM		
Sample Collected:	31-OCT-14	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	31-OCT-14	Findings:	44. MG/L
Chemical:	CHLORIDE		
Sample Collected:	31-OCT-14	Findings:	120. MG/L
Chemical:	SULFATE		
Sample Collected:	31-OCT-14	Findings:	0.23 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	31-OCT-14	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-OCT-14	Findings:	6.e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	31-OCT-14	Findings:	440. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	31-OCT-14	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	26-NOV-14	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-DEC-14	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-JAN-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-FEB-15	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-MAR-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-MAY-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-JUN-15	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JUL-15	Findings:	180. UG/L
Chemical:	IRON		
Sample Collected:	24-JUL-15	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-AUG-15	Findings:	260. UG/L
Chemical:	IRON		
Sample Collected:	27-AUG-15	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-SEP-15	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-OCT-15	Findings:	32. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-NOV-15	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	20-NOV-15	Findings:	56. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-DEC-15	Findings:	190. UG/L
Chemical:	IRON		
Sample Collected:	29-DEC-15	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JAN-16	Findings:	140. UG/L
Chemical:	IRON		
Sample Collected:	27-JAN-16	Findings:	36. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-MAR-16	Findings:	190. UG/L
Chemical:	IRON		

Sample Collected:	16-MAR-16	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-MAR-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-APR-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-JUN-16	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-JUL-16	Findings:	300. UG/L
Chemical:	IRON		
Sample Collected:	15-JUL-16	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-AUG-16	Findings:	31. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-SEP-16	Findings:	320. UG/L
Chemical:	IRON		
Sample Collected:	14-SEP-16	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-OCT-16	Findings:	29. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-NOV-16	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-DEC-16	Findings:	34. UG/L
Chemical:	MANGANESE		
Sample Collected:	24-JAN-17	Findings:	150. UG/L
Chemical:	IRON		
Sample Collected:	24-JAN-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-MAY-17	Findings:	35. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JUN-17	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-17	Findings:	37. UG/L
Chemical:	MANGANESE		

25
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

26
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138921**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335430118140301		
Monloc name:	003S013W15M004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9083492
Longitude:	-118.2350719	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	445
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

1G
NE
1/2 - 1 Mile
Lower

Site ID:	I-14973
Groundwater Flow:	Not Reported
Shallow Water Depth:	28
Deep Water Depth:	28
Average Water Depth:	Not Reported
Date:	10/01/1996

AQUIFLOW **55283**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **CAOG11000204626**
1/2 - 1 Mile

District nun:	1	Api number:	03705359
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Dominguez Extension Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	22
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204626		

2
SSW **OIL_GAS** **CAOG11000204888**
1/2 - 1 Mile

District nun:	1	Api number:	03705741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Woodley-Comptom	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000204888		

3
NW **OIL_GAS** **CAOG11000204647**
1/2 - 1 Mile

District nun:	1	Api number:	03705393
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Federal Oil Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Barnes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204647		

4
NNW **OIL_GAS** **CAOG11000204579**
1/2 - 1 Mile

District nun:	1	Api number:	03705295
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. U. Combs		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	16
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204579		

5
SW **OIL_GAS** **CAOG11000204709**
1/2 - 1 Mile

District nun:	1	Api number:	03705488
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	28
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Central Heights	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204709		

6
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000204561**

District nun:	1	Api number:	03705271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Central Heights Oil Co. Ltd.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	03S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Veach	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204561		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90220	4	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E HISTORICAL RECORDS

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.3

April 11, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.3

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0230-4821-8DF0

PO # NA

Project NA

Maps Provided:

1938

Sanborn® Library search results

Certification #: 0230-4821-8DF0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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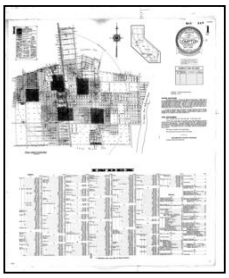
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1938 Source Sheets

Volume 1, Sheet 6
1938

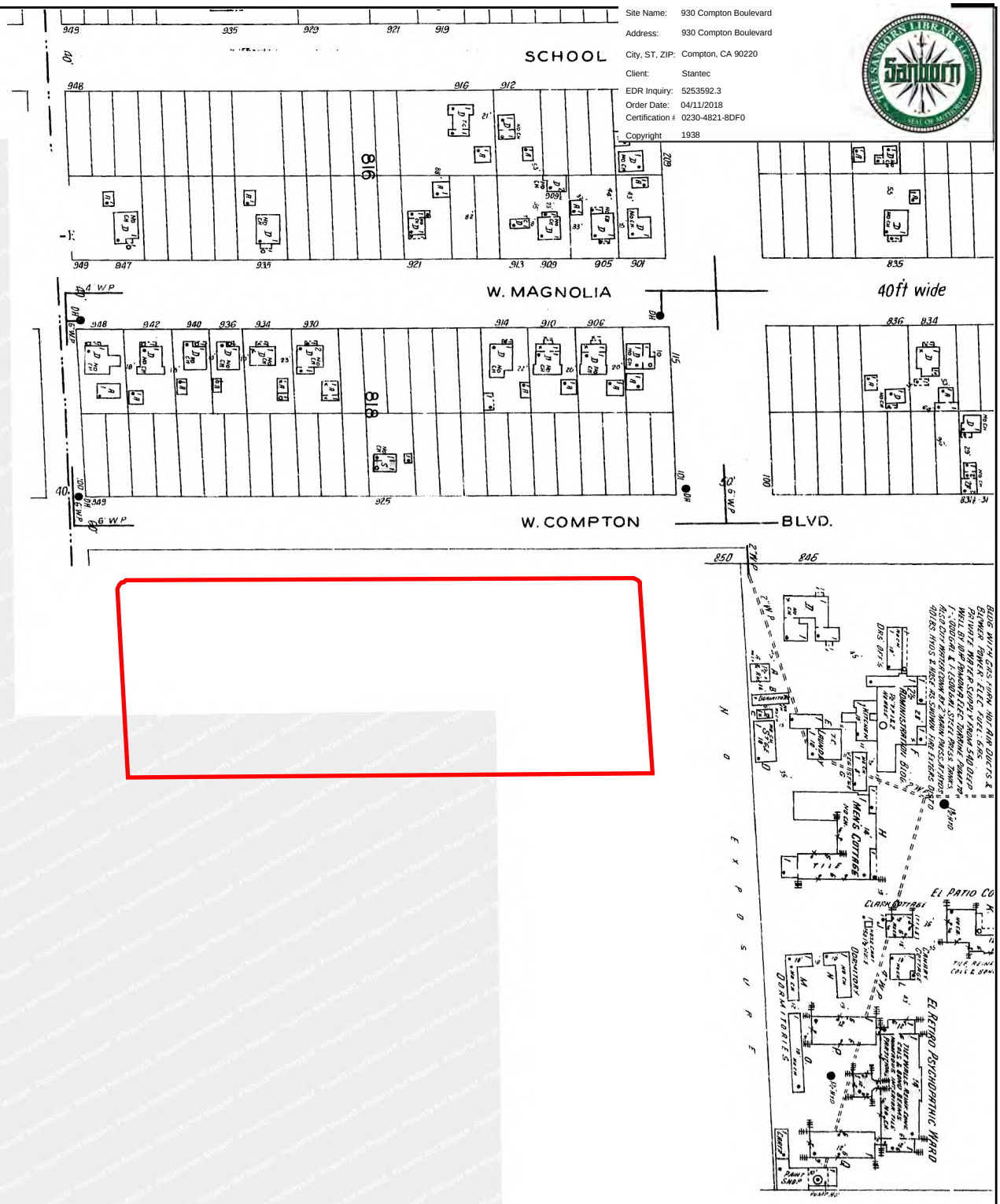
Volume 1, Sheet 26
1938



Volume 1, Sheet 1
1938

Volume 1, Sheet 6
1938

Site Name: 930 Compton Boulevard
Address: 930 Compton Boulevard
City, ST, ZIP: Compton, CA 90220
Client: Stantec
EDR Inquiry: 5253592.3
Order Date: 04/11/2018
Certification #: 0230-4821-8DF0
Copyright 1938



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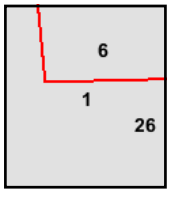
Certification # 0230-4821-8DF0

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 6
Volume 1, Sheet 1
Volume 1, Sheet 26
Volume 1, Sheet 6

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.4

April 10, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/10/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.4

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	33.895486 33° 53' 44" North
Longitude:	-118.24094 -118° 14' 27" West
UTM Zone:	Zone 11 North
UTM X Meters:	385258.30
UTM Y Meters:	3751260.79
Elevation:	82.00' above sea level

Maps Provided:

2012	1942
1981	1937
1972	1930
1964	1924
1952	1923
1949, 1950, 1951	1902
1947, 1948	1899
1943	1896

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

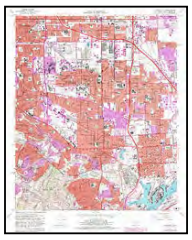
South Gate
2012
7.5-minute, 24000

Inglewood
2012
7.5-minute, 24000

Long Beach
2012
7.5-minute, 24000

Torrance
2012
7.5-minute, 24000

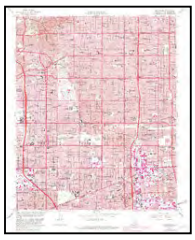
1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978

South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

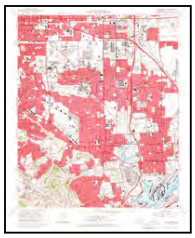
Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets

South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Inglewood
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963

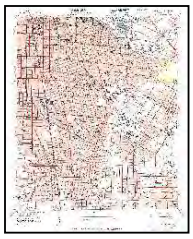


Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



SOUTH GATE
1952
7.5-minute, 24000

Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1949, 1950, 1951 Source Sheets

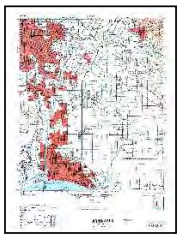
Long Beach
1949
7.5-minute, 24000

South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947

Inglewood
1950
7.5-minute, 24000
Aerial Photo Revised 1947

Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

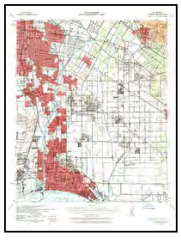
1947, 1948 Source Sheets



DOWNEY
1947
15-minute, 50000

REDONDO
1948
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets

Downey
1942
15-minute, 62500

1937 Source Sheets

Watts
1937
7.5-minute, 24000

1930 Source Sheets

Compton
1930
7.5-minute, 24000

1924 Source Sheets

Watts
1924
7.5-minute, 24000

Compton
1924
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets

Watts
1923
7.5-minute, 24000

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

Downey
1899
15-minute, 62500

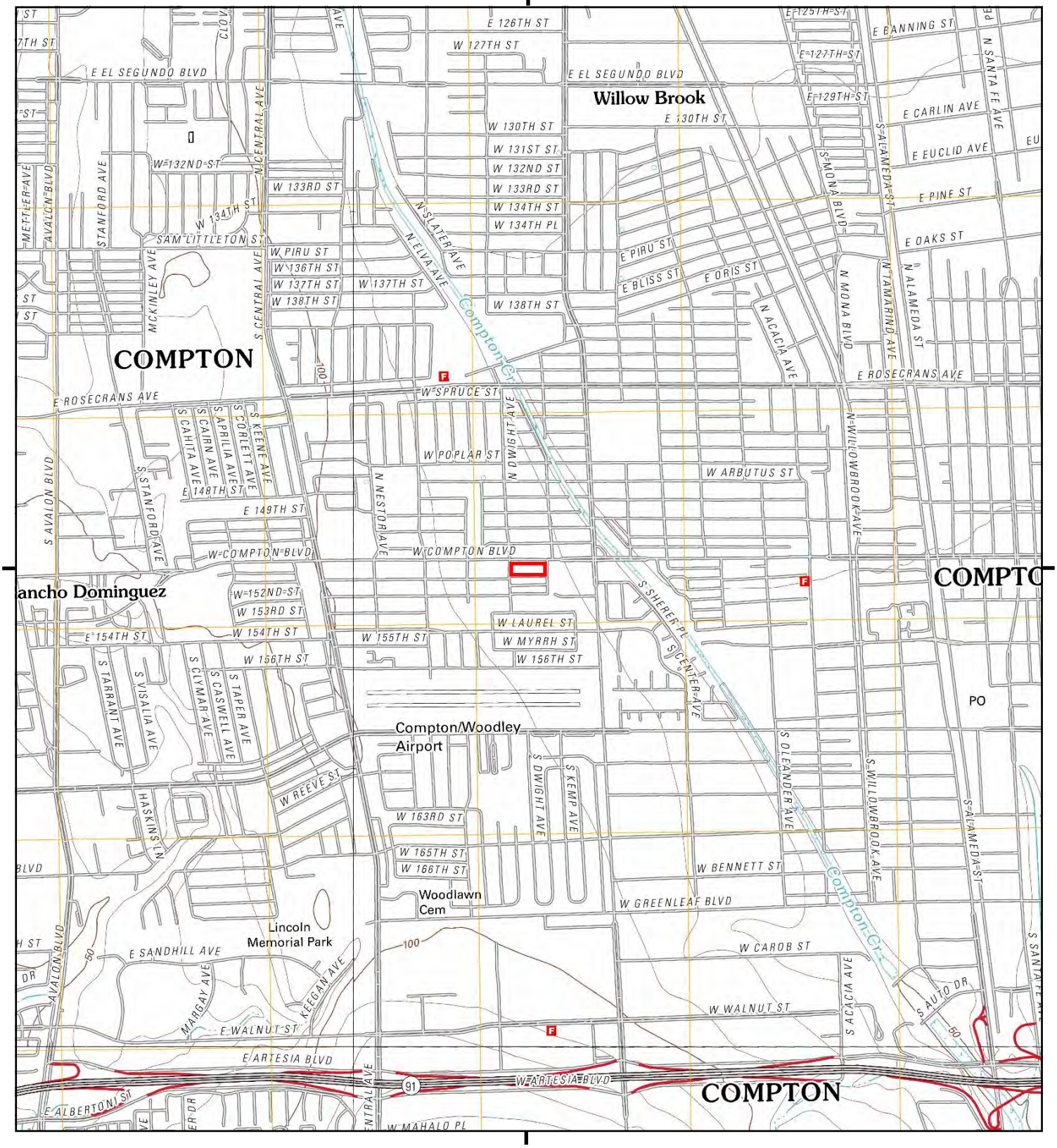
1896 Source Sheets

Downey
1896
15-minute, 62500

Redondo
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

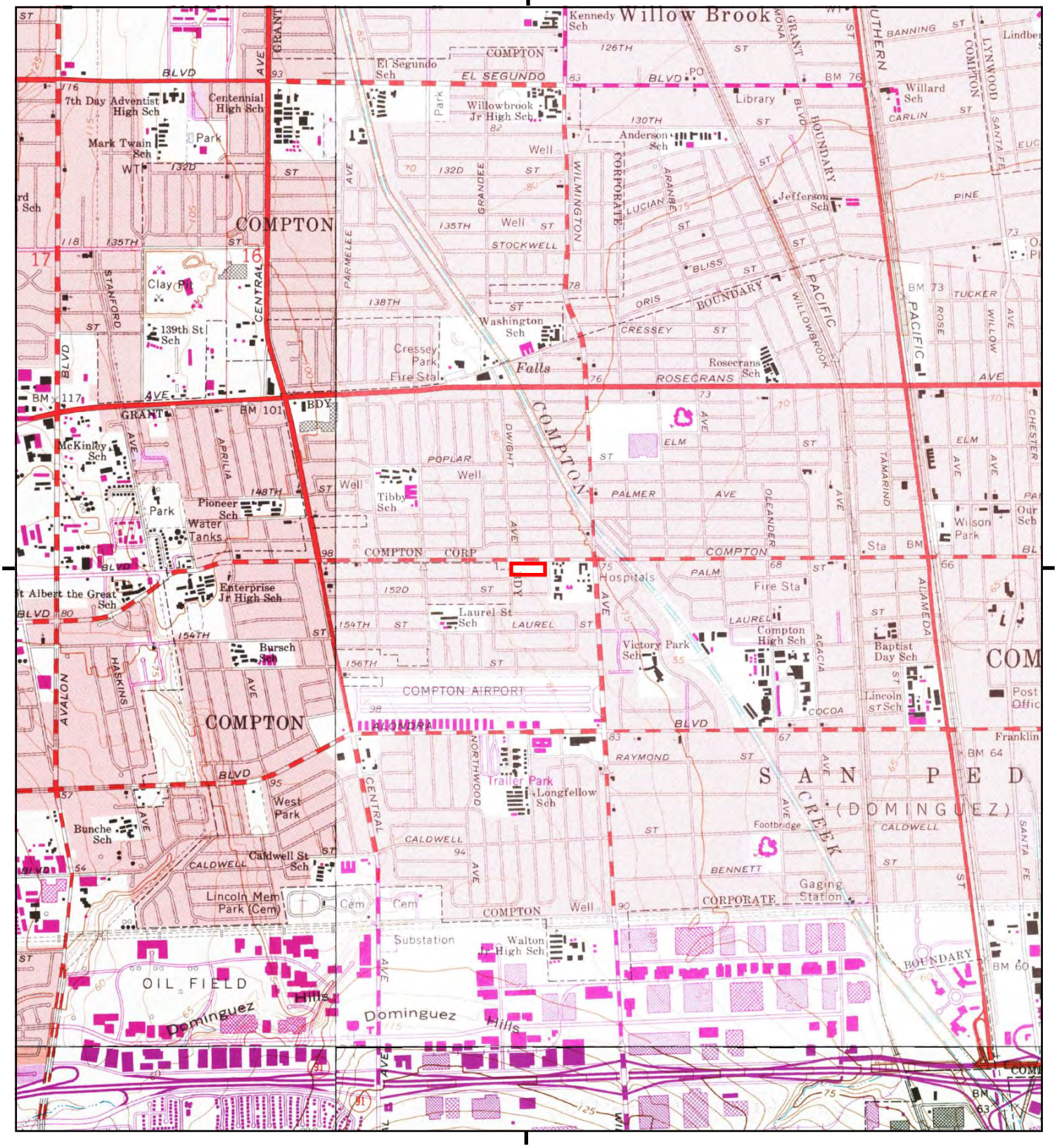
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Long Beach, 2012, 7.5-minute
SW, Torrance, 2012, 7.5-minute
NW, Inglewood, 2012, 7.5-minute

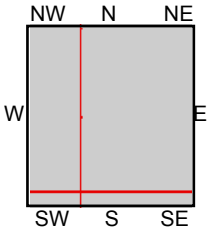
SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

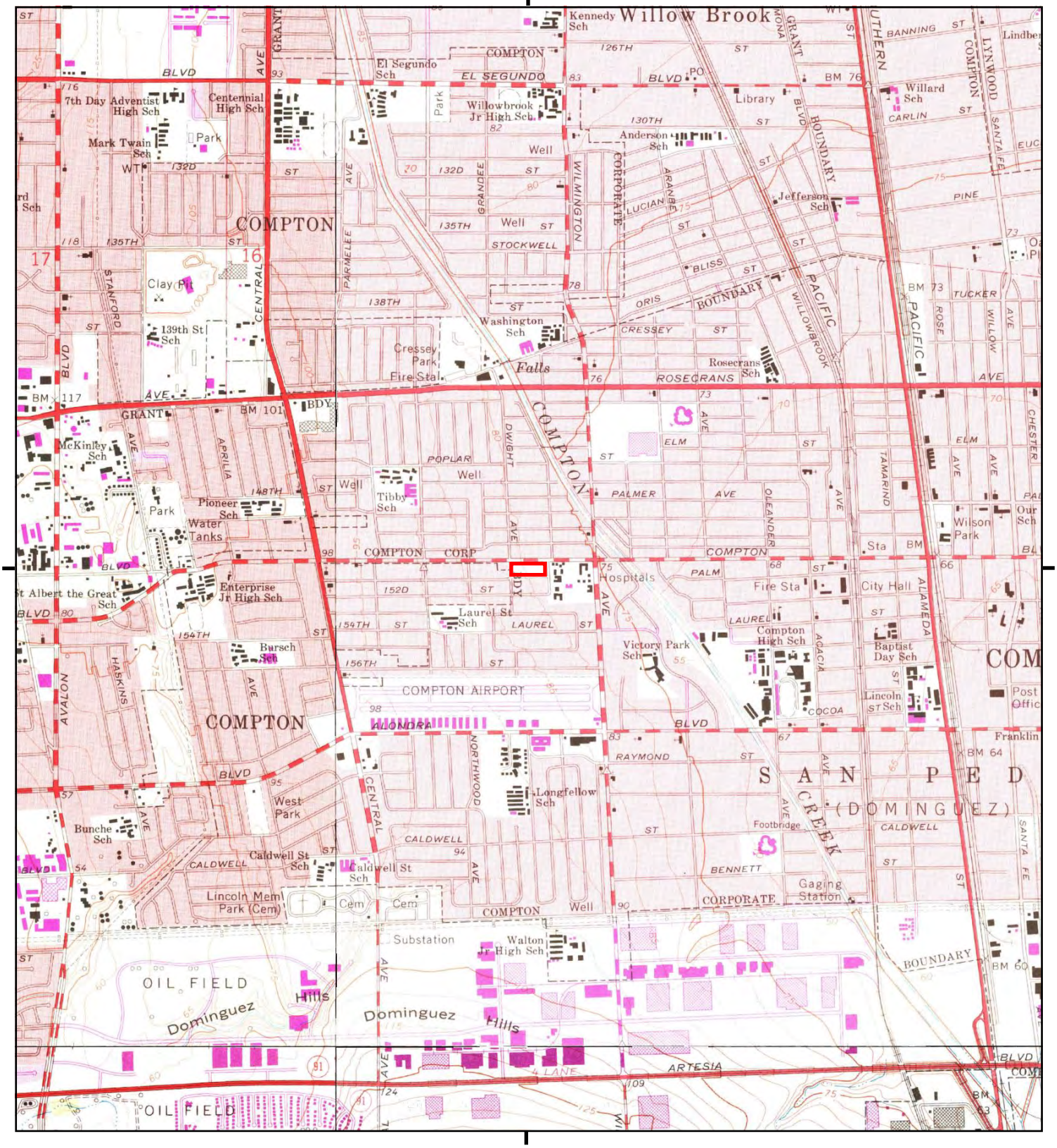
0 Miles 0.25 0.5 1 1.5



TP, South Gate, 1981, 7.5-minute
SE, Long Beach, 1981, 7.5-minute
SW, Torrance, 1981, 7.5-minute
NW, Inglewood, 1981, 7.5-minute

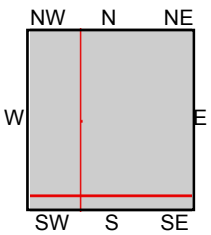
SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

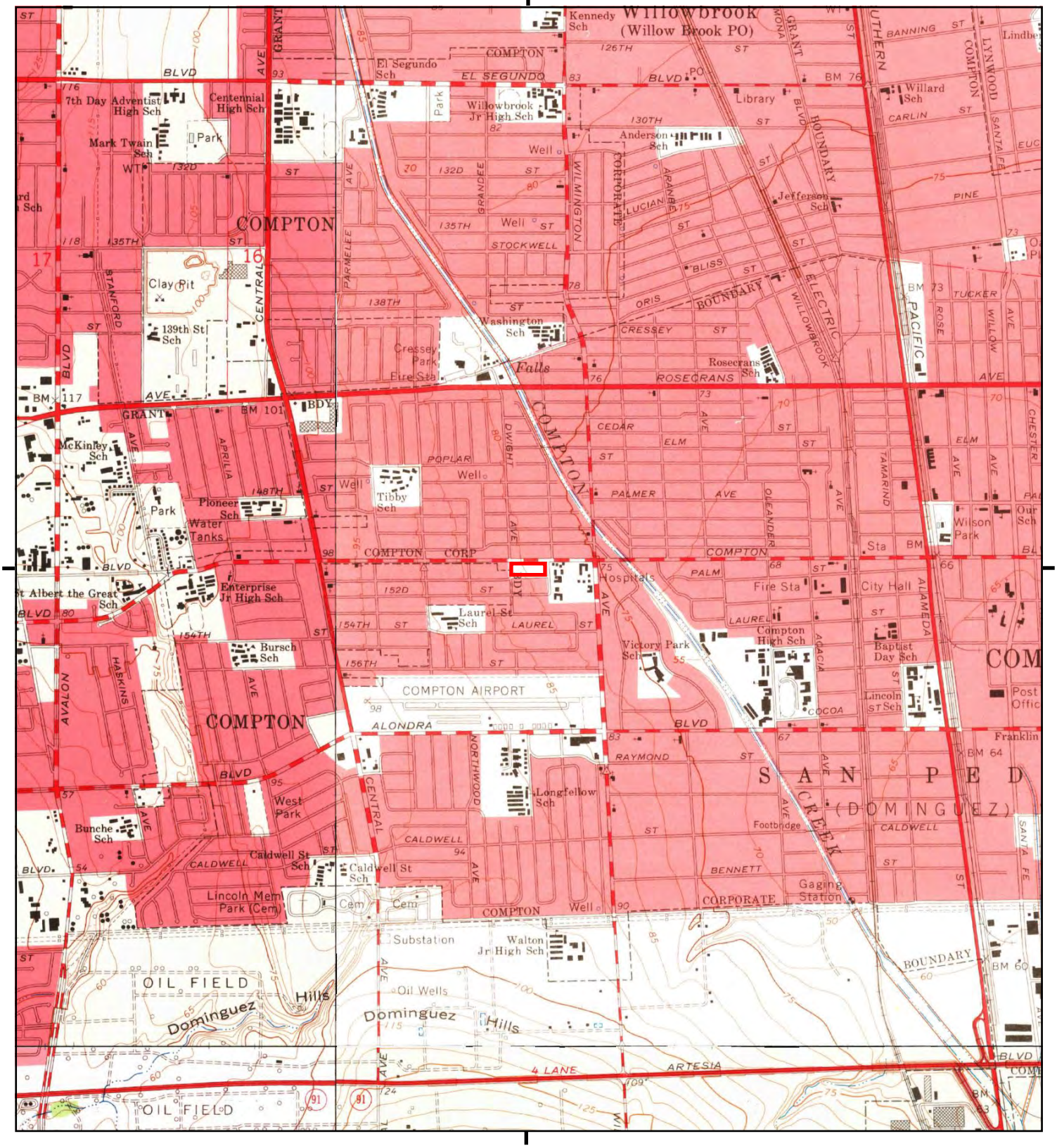
0 Miles 0.25 0.5 1 1.5



TP, South Gate, 1972, 7.5-minute
SE, Long Beach, 1972, 7.5-minute
SW, Torrance, 1972, 7.5-minute
NW, Inglewood, 1972, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

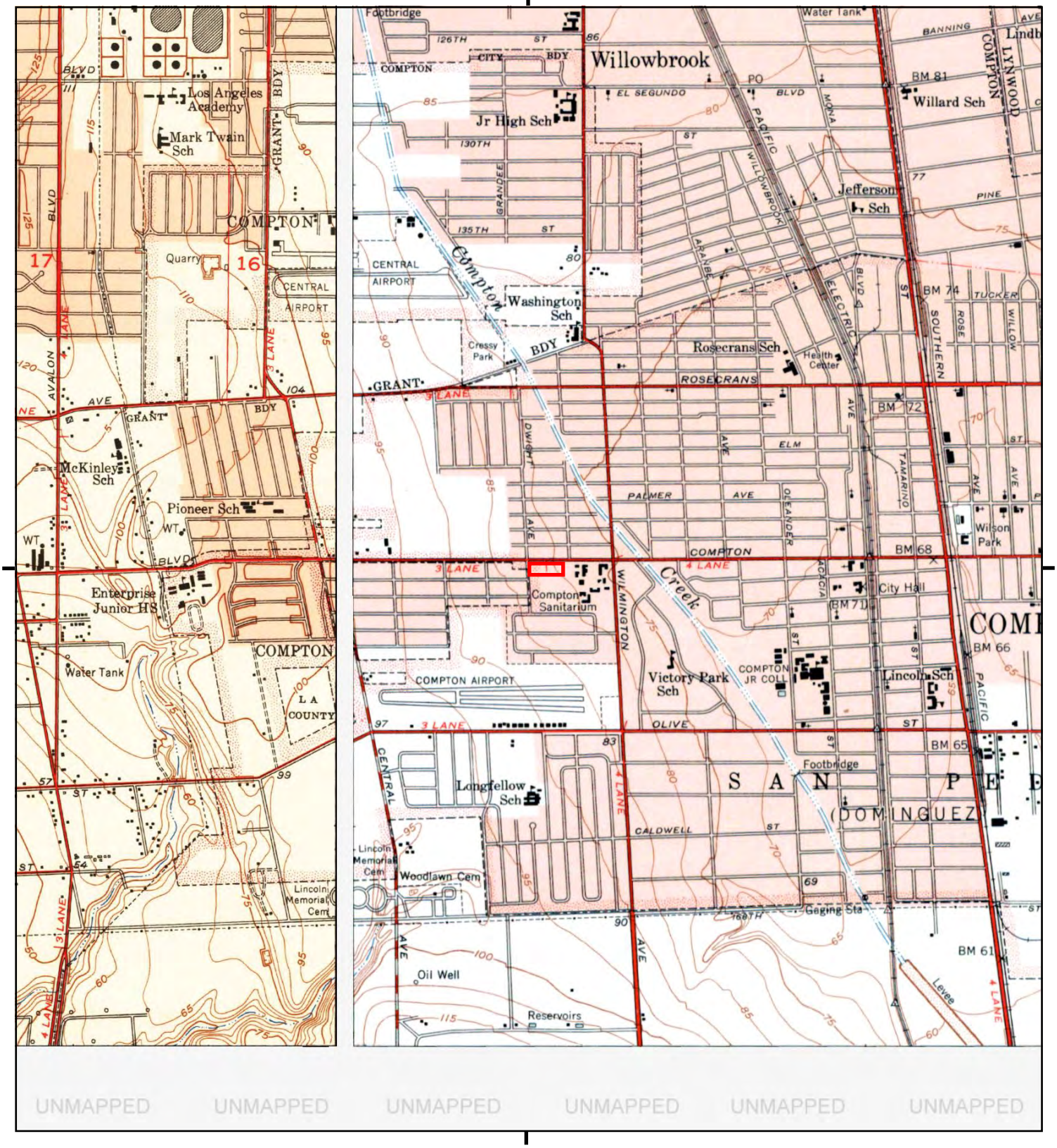
TP, South Gate, 1964, 7.5-minute
SE, Long Beach, 1964, 7.5-minute
SW, Torrance, 1964, 7.5-minute
NW, Inglewood, 1964, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

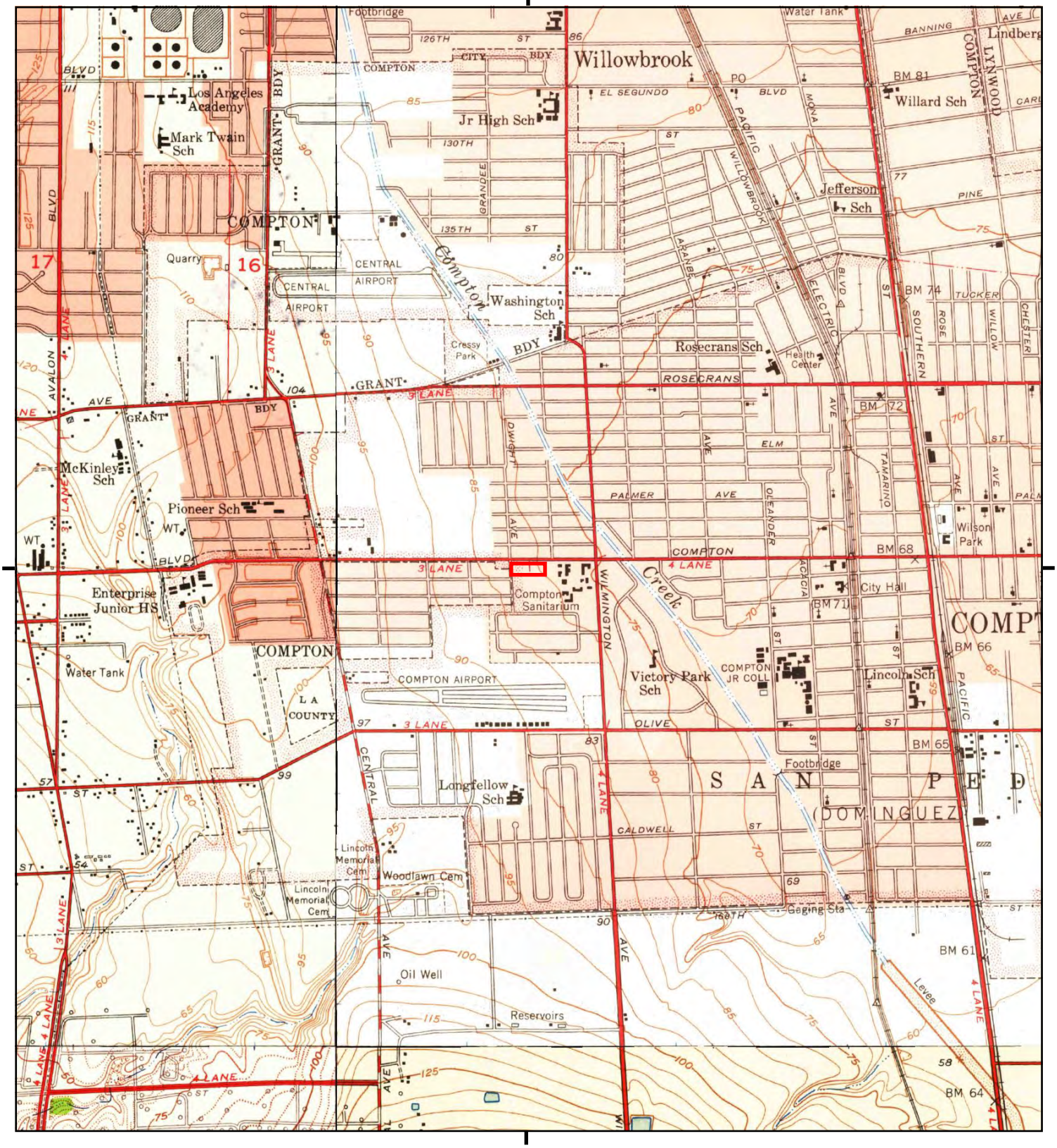
TP, SOUTH GATE, 1952, 7.5-minute
NW, Inglewood, 1952, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1949, 1950, 1951



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

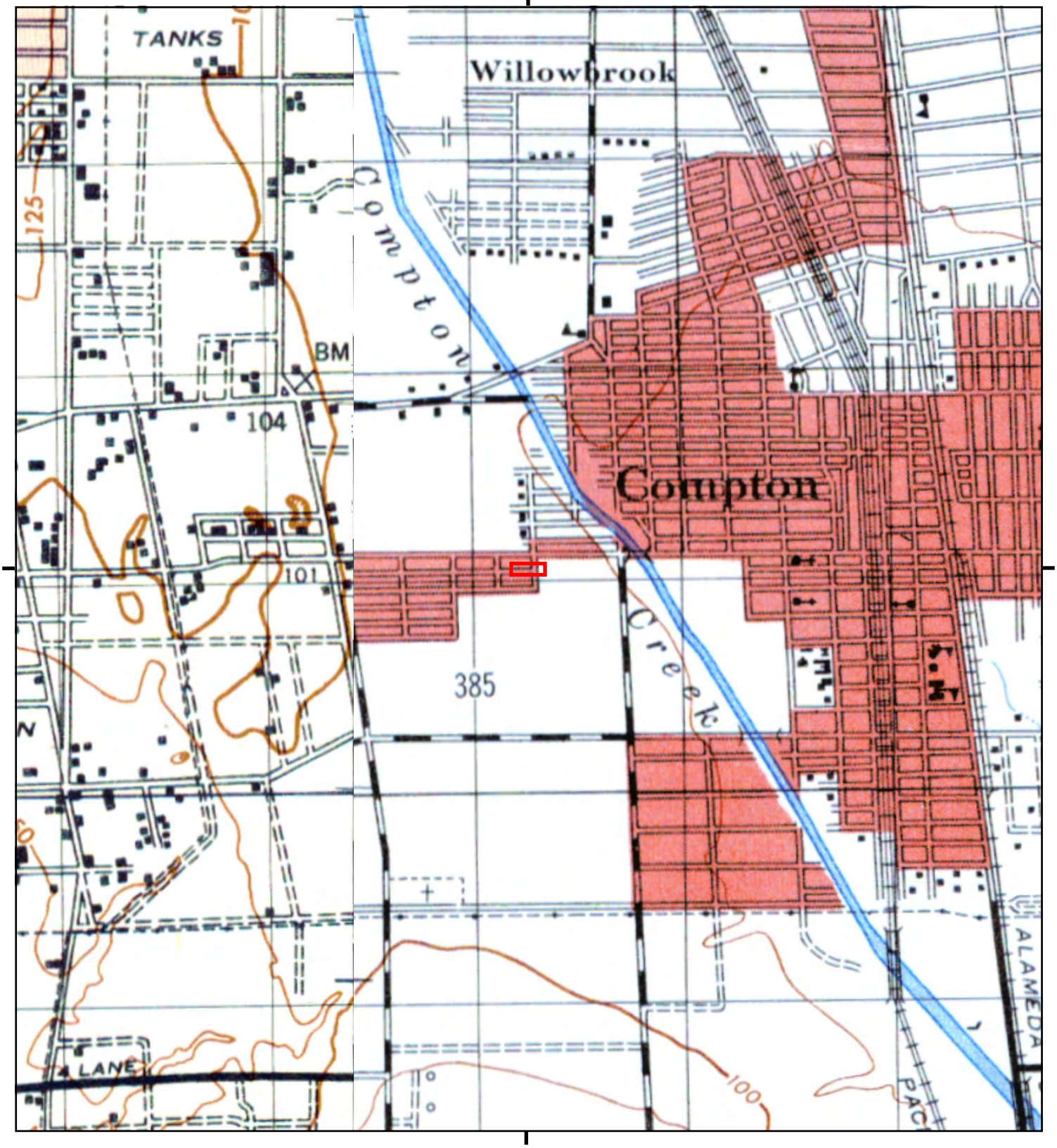
TP, South Gate, 1949, 7.5-minute
SE, Long Beach, 1949, 7.5-minute
SW, Torrance, 1951, 7.5-minute
NW, Inglewood, 1950, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1947, 1948



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

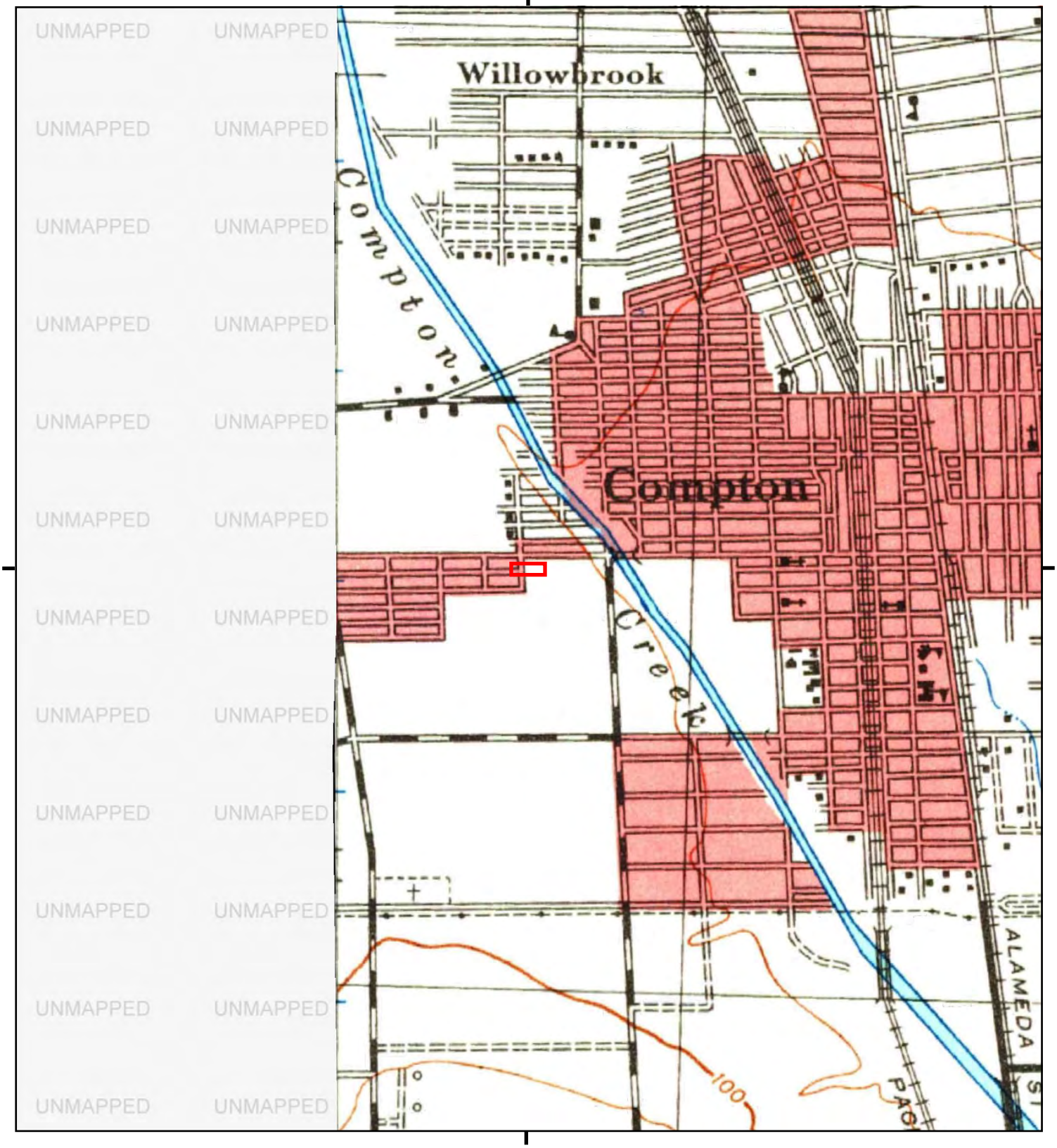
TP, DOWNEY, 1947, 15-minute
W, REDONDO, 1948, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

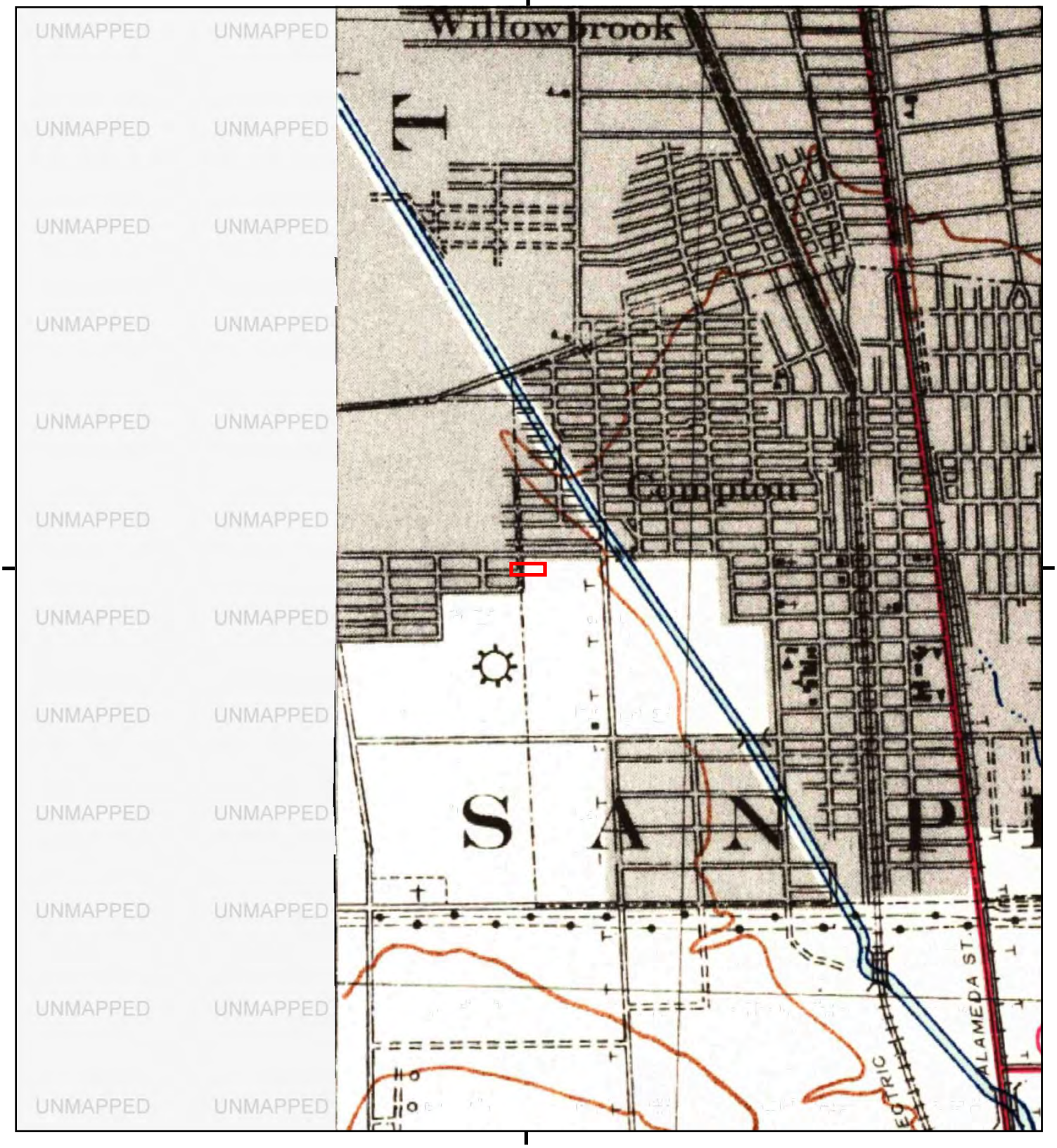
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1943, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Watts, 1937, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
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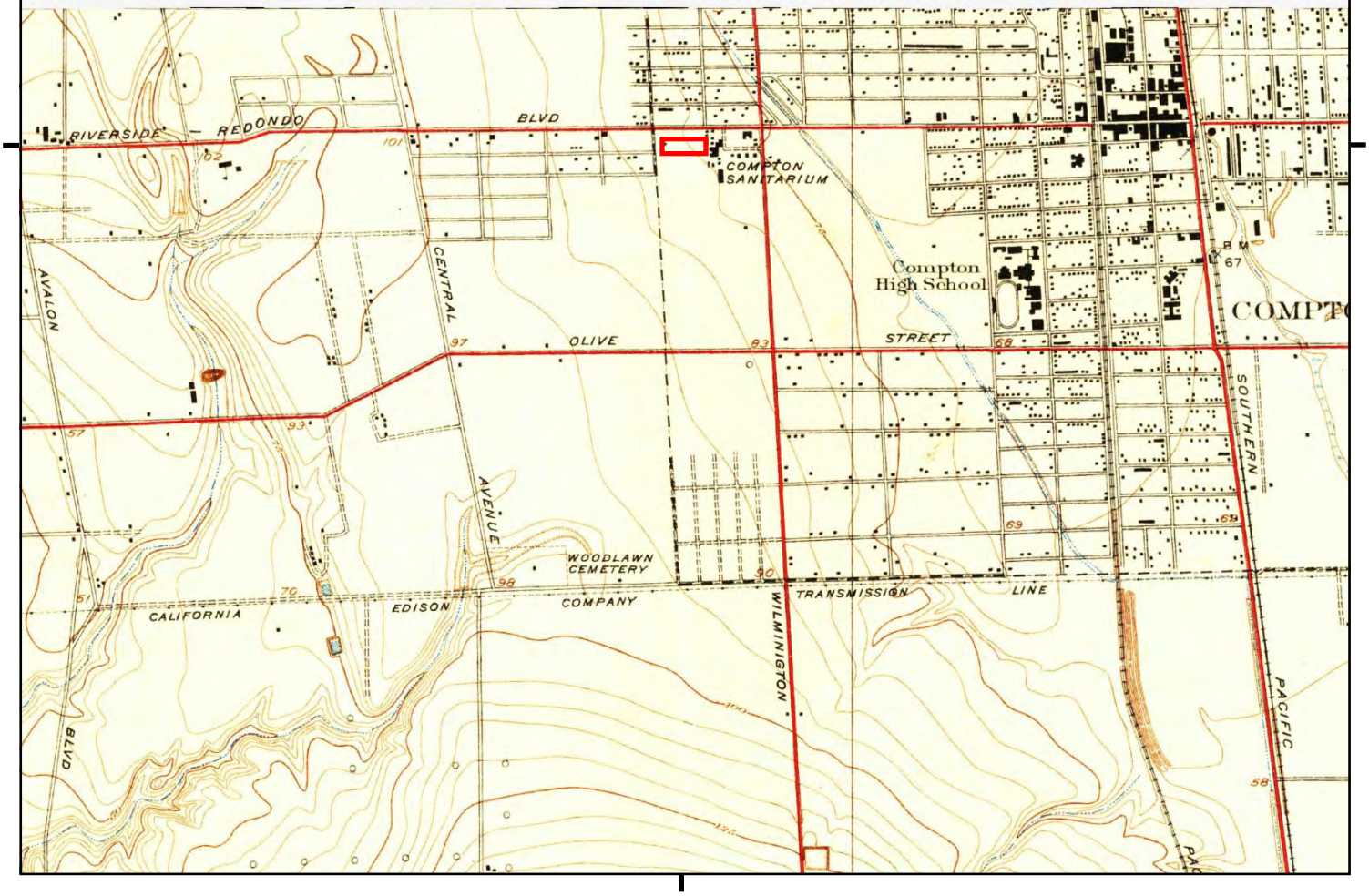


This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

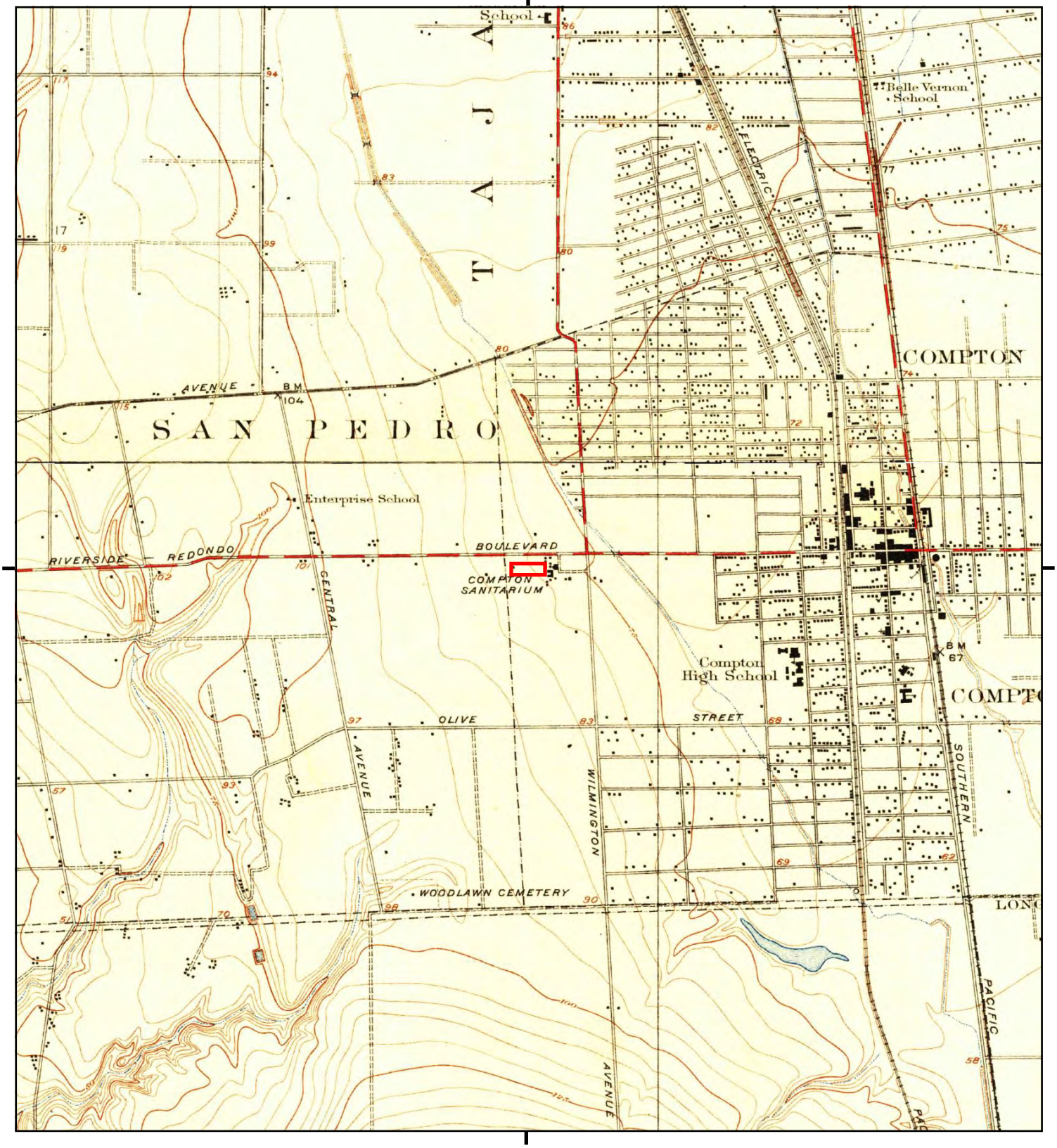
TP, Compton, 1930, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

Historical Topo Map

1924



This report includes information from the following map sheet(s).

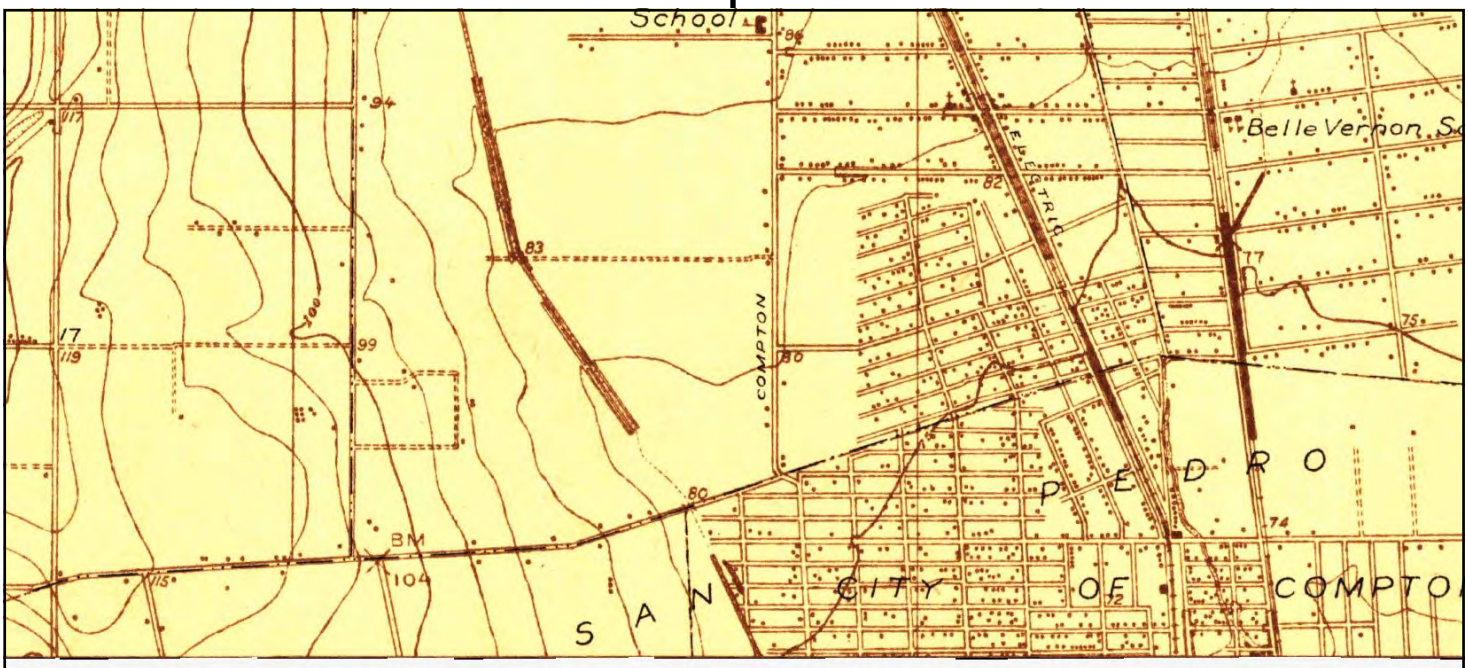
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1924, 7.5-minute
N, Watts, 1924, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



UNMAPPED

This report includes information from the following map sheet(s).

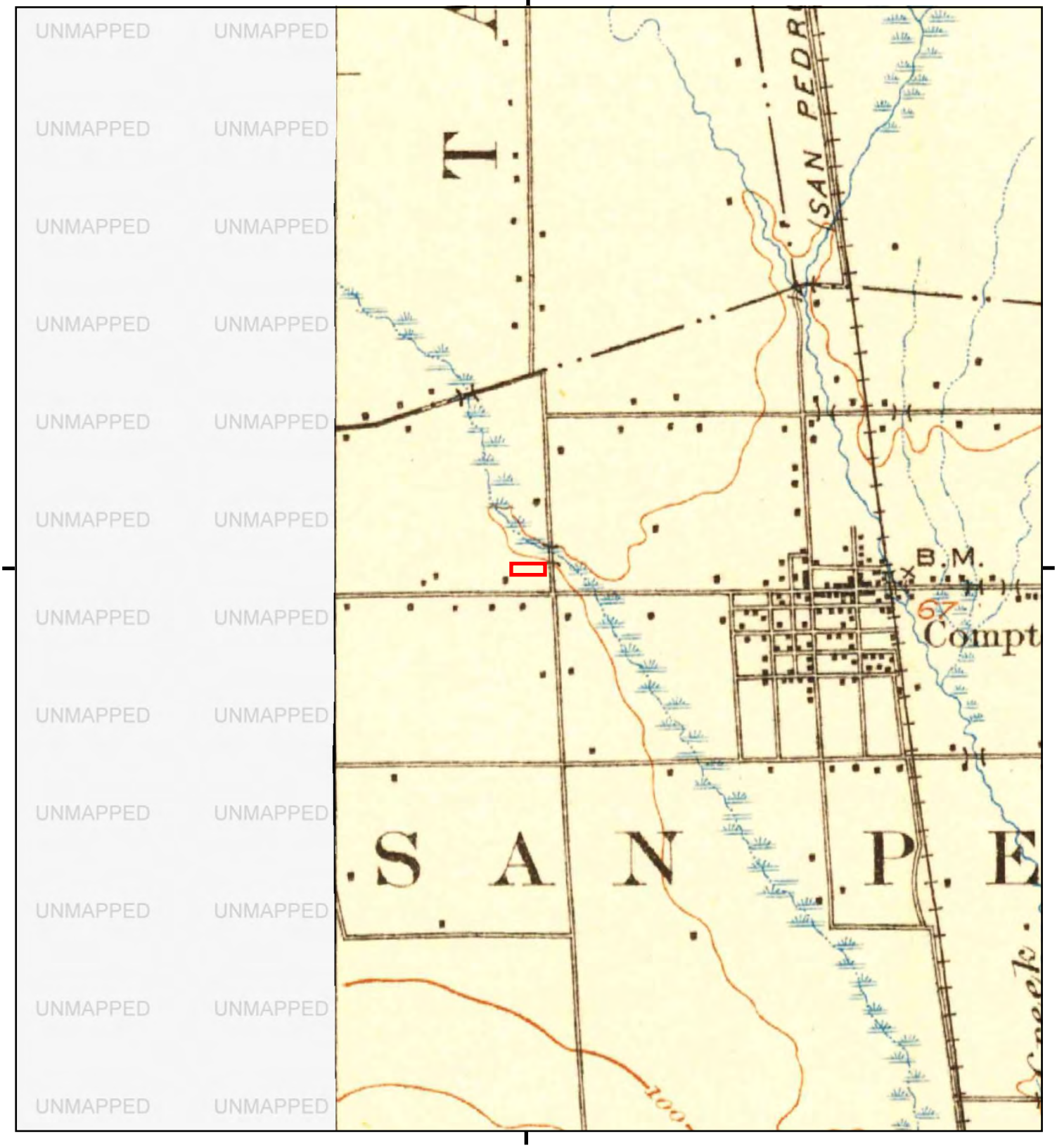
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Watts, 1923, 7.5-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

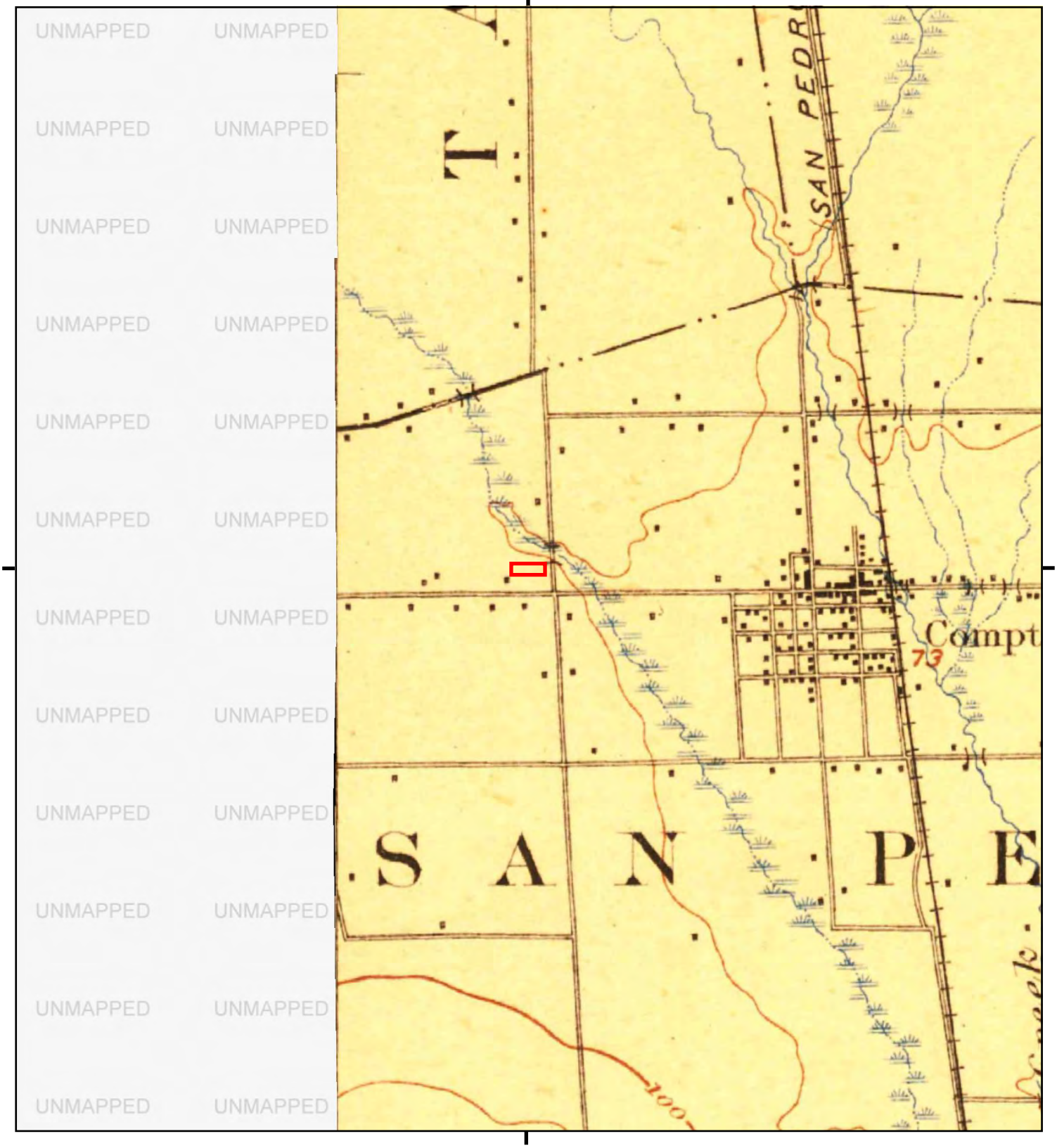
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

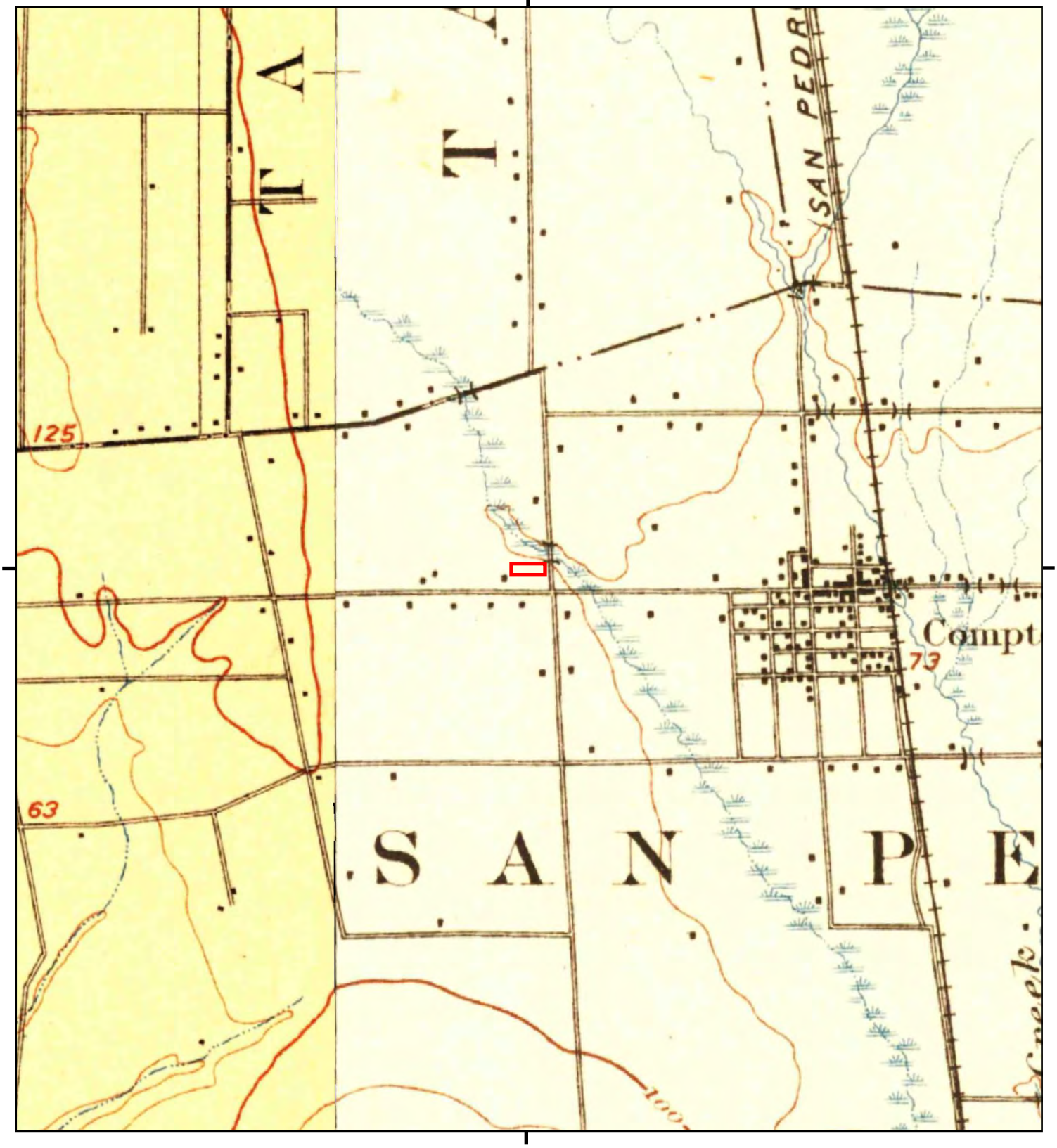
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute
W, Redondo, 1896, 15-minute

SITE NAME: 930 Compton Boulevard
ADDRESS: 930 Compton Boulevard
Compton, CA 90220
CLIENT: Stantec

N

930 Compton Boulevard

930 Compton Boulevard

Compton, CA 90220

Inquiry Number: 5253592.9

April 11, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/11/18

Site Name:

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220
EDR Inquiry # 5253592.9

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Alicia Jansen

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	USGS
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

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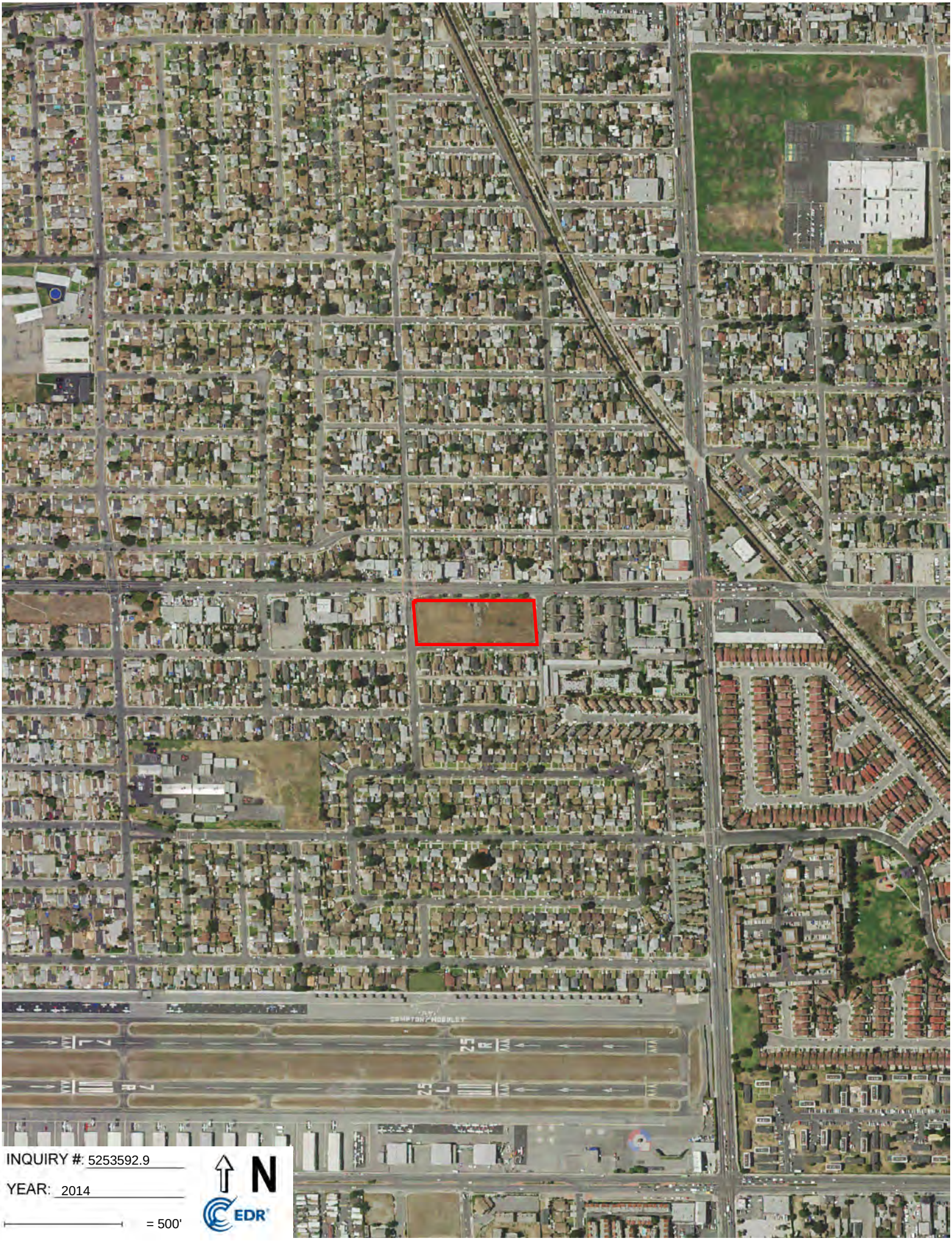


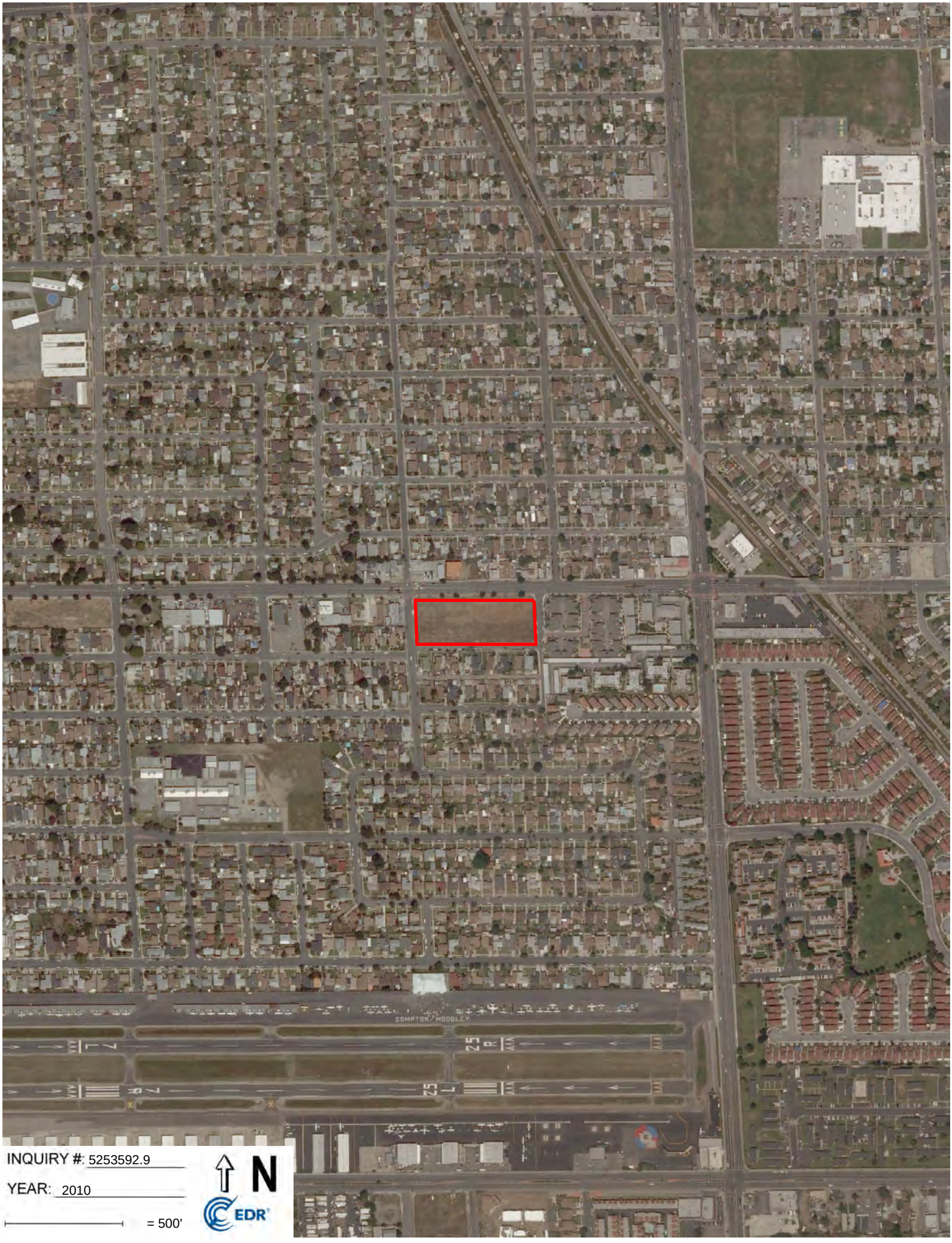
INQUIRY #: 5253592.9

YEAR: 2014

= 500'

N

EDR


COMPTON/WOODLEY
INQUIRY #: 5253592.9
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 2002

= 500'

N

EDR

COMPTON
25 R
25 L
INQUIRY #: 5253592.9
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1989

= 500'

N

EDR

COMPTON
INQUIRY #: 5253592.9
YEAR: 1981
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1979

= 500'

N

EDR

INQUIRY #: 5253592.9

YEAR: 1977

= 500'

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EDR

INQUIRY #: 5253592.9
YEAR: 1963
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 5253592.9
YEAR: 1947
= 500'
N
EDR

INQUIRY #: 5253592.9
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 5253592.9

YEAR: 1928

= 500'

N

EDR

930 Compton Boulevard
930 Compton Boulevard
Compton, CA 90220

Inquiry Number: 5253592.5
April 10, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Directory Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	X	X	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	X	X	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	X	X	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

930 Compton Boulevard
Compton, CA 90220

FINDINGS DETAIL

Target Property research detail.

W COMPTON BLVD

930 W COMPTON BLVD

Year	*Uses*	*Source*
2001	XXXX	Haines & Company, Inc.
1995	Kazi Residential Drug Program	Pacific Bell
1980	COMPTON CARE INC	Pacific Telephone
1976	Willows Resident School & Day Care Center	Pacific Telephone
1971	Willows Convalescent Hospital	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DWIGHT AVE S

113 DWIGHT AVE S

Year	Uses	Source
2001	HERNANDEZBema Sdo	Haines & Company, Inc.

153 DWIGHT AVE S

Year	Uses	Source
2001	PEREZR	Haines & Company, Inc.

157 DWIGHT AVE S

Year	Uses	Source
2001	GARCIAJuvenlino	Haines & Company, Inc.

E 152ND ST

1101 E 152ND ST

Year	Uses	Source
1951	CHunt H G	Pacific Directory Co.
1950	HUNT HAROLD 0 R	Pacific Telephone

1107 E 152ND ST

Year	Uses	Source
1951	Schmidt W L R9	Pacific Directory Co.
1950	SHEPPARD R BIIURTON REV R	Pacific Telephone

1108 E 152ND ST

Year	Uses	Source
1954	BILLINGS ROY W	R. L. Polk & Co.
1951	AGoldman Dan I R9	Pacific Directory Co.
1950	GOLDMAN DAN R	Pacific Telephone

1113 E 152ND ST

Year	Uses	Source
1954	GOSS MARGIE	R. L. Polk & Co.
1951	Pohlmann K A R9	Pacific Directory Co.
1950	P TLIMANN KARL A R	Pacific Telephone

FINDINGS

1117 E 152ND ST

Year	Uses	Source
1951	AParker J E R9	Pacific Directory Co.
1950	PARKER JASR	Pacific Telephone

1118 E 152ND ST

Year	Uses	Source
1951	Psalmonds R I R9	Pacific Directory Co.
1950	MCCLAIN WALTER WR	Pacific Telephone

1122 E 152ND ST

Year	Uses	Source
1951	Adams R L	Pacific Directory Co.
1950	PRICE ARTHUR R	Pacific Telephone

1123 E 152ND ST

Year	Uses	Source
1954	CLAYTON LARNEY M	R. L. Polk & Co.
1951	AWiemann D J	Pacific Directory Co.
1950	WIERNANO DANALD JR	Pacific Telephone

1127 E 152ND ST

Year	Uses	Source
1954	BLANTON DW	R. L. Polk & Co.
1951	ATabinq RH	Pacific Directory Co.
1950	TABING ROBT E R	Pacific Telephone

1128 E 152ND ST

Year	Uses	Source
1954	CATCHINGS ELMER	R. L. Polk & Co.
1951	n Ramsay H R	Pacific Directory Co.
1950	RAMSAY HAROLD R R	Pacific Telephone

1132 E 152ND ST

Year	Uses	Source
1954	LEWIS JEWELL	R. L. Polk & Co.
1951	ASippy S D R9	Pacific Directory Co.
1950	SIPPY S D MRS R	Pacific Telephone

1138 E 152ND ST

Year	Uses	Source
1954	QUINN AL G R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1951	AQuinn A G	Pacific Directory Co.
1950	QUINNI AL G R	Pacific Telephone

1143 E 152ND ST

Year	Uses	Source
1954	DRVOL EDW J R	R. L. Polk & Co.
1951	ADrvol E J R9	Pacific Directory Co.
1950	DRVOL EDWJ R	Pacific Telephone

1144 E 152ND ST

Year	Uses	Source
1951	ASaksa Wm	Pacific Directory Co.
1950	FRETAS J F R	Pacific Telephone

1147 E 152ND ST

Year	Uses	Source
1954	SEFER CHAS R	R. L. Polk & Co.
1951	ASefer Chas	Pacific Directory Co.
1950	SEFER CHAS R	Pacific Telephone

N DWIGHT AVE

105 N DWIGHT AVE

Year	Uses	Source
1980	HOOPER MICHAEL D	Pacific Telephone
1964	OROZCO OSCAR	Pacific Telephone
1960	OROZCO OSCAR	Pacific Telephone
1957	OROZCO OSCAR	Pacific Telephone

300 N DWIGHT AVE

Year	Uses	Source
1964	JORDAN BIRDIE	Pacific Telephone
1960	KNIGHT LOUIS	Pacific Telephone
1954	TRAMEL JAS H	R. L. Polk & Co.
1950	TRAMEL VIRGINIA R	Pacific Telephone

305 N DWIGHT AVE

Year	Uses	Source
1985	IRBY MARGIE	Pacific Bell
1980	GONZALEZ ANTONIO	Pacific Telephone
1957	HINKSON R J	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	WILLIAMS CHESTER D	R. L. Polk & Co.

311 N DWIGHT AVE

Year	Uses	Source
1960	LEWELLEN BINA	Pacific Telephone
1957	WILLIAMS NETTIE MRS	Pacific Telephone
1954	WILLIAMS NETTIE MRS	R. L. Polk & Co.
1950	SCUDDER JAS R	Pacific Telephone

N KEMP AVE

111 N KEMP AVE

Year	Uses	Source
1954	BENSON MABLE MRS	R. L. Polk & Co.

209 N KEMP AVE

Year	Uses	Source
2001	LEWIS Lorenco	Haines & Company, Inc.
1964	HOWARD W G	Pacific Telephone
1960	HOWARD W G	Pacific Telephone
1957	HOWARD W G	Pacific Telephone
1954	MOSES FLOYD	R. L. Polk & Co.

305 N KEMP AVE

Year	Uses	Source
1980	CULPEPPER BEATRICE	Pacific Telephone

309 N KEMP AVE

Year	Uses	Source
2001	RIOSJesus	Haines & Company, Inc.

311 N KEMP AVE

Year	Uses	Source
1985	TAPIA SALVADOR	Pacific Bell

313 N KEMP AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

315 N KEMP AVE

Year	Uses	Source
1980	CISNEROS LAZARO F	Pacific Telephone
1964	HIATT GERALD	Pacific Telephone
1960	HIATT GERALD	Pacific Telephone
1957	HIATT GERALD	Pacific Telephone
1954	HIATT GERALD R	R. L. Polk & Co.
1950	HIATT GERALD R	Pacific Telephone

S DWIGHT AVE

113 S DWIGHT AVE

Year	Uses	Source
1985	RAMIREZ ALEJANDRO MORENO	Pacific Bell

S Dwight Ave

153 S Dwight Ave

Year	Uses	Source
2014	KARRIEM ALI	EDR Digital Archive

S DWIGHT AVE

153 S DWIGHT AVE

Year	Uses	Source
1995	Perez R	Pacific Bell

S KEMP AVE

201 S KEMP AVE

Year	Uses	Source
2001	SMARTINEZJaime	Haines & Company, Inc.
1995	Martinez Angela A	Pacific Bell
1985	WIZARDARY ENTERPRISES	Pacific Bell

203 S KEMP AVE

Year	Uses	Source
2001	MARTINEZGlor	Haines & Company, Inc.
1995	Martinez Gloria	Pacific Bell
1981	GARNER YVONNE COMPTON	Pacific Telephone
1980	GARNER YVONNE	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	SMITH FERGUSON	Pacific Telephone

205 S KEMP AVE

Year	Uses	Source
1975	LONG SHARON	Pacific Telephone
1964	JOHNSON ERMA	Pacific Telephone
	JOHNSON OLIVER	Pacific Telephone
1960	BOND WESLEY	Pacific Telephone
	BOND DOROTHY MAE	Pacific Telephone
1957	WICKER JERRY	Pacific Telephone

S Kemp Ave

207 S Kemp Ave

Year	Uses	Source
2014	OLAGUE TREE & GARDEN SERVICE	EDR Digital Archive

S KEMP AVE

207 S KEMP AVE

Year	Uses	Source
2001	AGUILERAFran	Haines & Company, Inc.
1960	SMITH PEARL P	Pacific Telephone

SCHOOL

930 SCHOOL

Year	Uses	Source
1981	MITCHELL ERMA COMPTON	Pacific Telephone

W 151ST

932 W 151ST

Year	Uses	Source
1986	EDWARDS PEARLEAN COMPTON	Pacific Bell
1981	EDWARDS PEARLEAN COMPTON	Pacific Telephone
1971	Robinson Bobbie	Pacific Telephone

950 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

FINDINGS

964 W 151ST

Year	Uses	Source
1981	SMITH WARREN H COMPTON	Pacific Telephone

1109 W 151ST

Year	Uses	Source
1981	WASHINGTON VIRGIL COMPTON	Pacific Telephone

W 151ST ST

910 W 151ST ST

Year	Uses	Source
1954	BENELL IRENE M	R. L. Polk & Co.

916 W 151ST ST

Year	Uses	Source
2001	8 MCCLOUDKathy	Haines & Company, Inc.
1964	PERRY LE ROY	Pacific Telephone
1957	DAKE JACK	Pacific Telephone
1954	SEMPLE DOUGLAS M R	R. L. Polk & Co.
1950	NAFFAIGER CHAS JR R	Pacific Telephone

918 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	HIRSHEL WM	R. L. Polk & Co.
	AFRICK MAY	R. L. Polk & Co.
1950	SMITH GEO J R	Pacific Telephone

924 W 151ST ST

Year	Uses	Source
2001	ENLLANCHELus 00 I	Haines & Company, Inc.
1964	MARSHALL CURRIE	Pacific Telephone
1960	BRADLEY EUGENE	Pacific Telephone
1957	TIMLIN WM D	Pacific Telephone
1954	TIMLIN WM D	R. L. Polk & Co.

926 W 151ST ST

Year	Uses	Source
2001	XXXXI I	Haines & Company, Inc.
1960	BLAYLOCK WILLARD E	Pacific Telephone

FINDINGS

932 W 151ST ST

Year	Uses	Source
2001	MACIELJuan 00 t	Haines & Company, Inc.
1985	EDWARDS PEARLEAN	Pacific Bell
1980	EDWARDS PEARLEAN	Pacific Telephone
1976	Edwards Pearlean	Pacific Telephone
1975	EDWARDS PEARLEAN	Pacific Telephone
1967	Robinson Bobbie	Pacific Telephone
1957	PEREZ EBARISTO PAUL	Pacific Telephone
1954	WOOLERY LENNETH A	R. L. Polk & Co.
1950	AULT GEO R	Pacific Telephone

934 W 151ST ST

Year	Uses	Source
2001	MACIELJuan M	Haines & Company, Inc.
1976	Mc Williams David	Pacific Telephone
1964	BOWMAN WM MRS	Pacific Telephone
1960	ZURITA CLARENCE	Pacific Telephone
1957	ZURITA CLARENCE	Pacific Telephone
1950	LUCAS JAS R R	Pacific Telephone

940 W 151ST ST

Year	Uses	Source
2001	HUDSO	Haines & Company, Inc.
1985	HUDSON KATE	Pacific Bell
1980	HUDSON KATE	Pacific Telephone
1975	HUDSON KATE	Pacific Telephone
1954	FARRIS SAML	R. L. Polk & Co.

942 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	BRADSHAW ROSETTA	Pacific Telephone
1960	ELIZONDO RAYMON	Pacific Telephone
1957	ELIZONDO RAYMON	Pacific Telephone
1950	ISAACS VIRGINIA	Pacific Telephone

948 W 151ST ST

Year	Uses	Source
2001	CASTROGerardo 00 HI	Haines & Company, Inc.
1985	SMITH WARREN H	Pacific Bell

FINDINGS

Year	Uses	Source
1960	SMITH WARREN H	Pacific Telephone

950 W 151ST ST

Year	Uses	Source
1976	Smith Elouise	Pacific Telephone
	Smith Warren H	Pacific Telephone
1964	SMITH WARREN H	Pacific Telephone
1960	MARSHALL CURRIE	Pacific Telephone
1958	Marshall Currie	Pacific Telephone
1957	BISHOP ARTIE BELLE	Pacific Telephone
1950	JOHNSON HELEN R	Pacific Telephone

956 W 151ST ST

Year	Uses	Source
2001	GUZMANGualbedo 00 o	Haines & Company, Inc.
1954	MERRILL ROBT R MRS	R. L. Polk & Co.
1950	THARP HOWARD W JR R	Pacific Telephone

958 W 151ST ST

Year	Uses	Source
2001	ORTEGAManuel J	Haines & Company, Inc.
1950	FORTTER W C R	Pacific Telephone

964 W 151ST ST

Year	Uses	Source
2001	OLMOSJuan	Haines & Company, Inc.
1975	GRIFFIN AGNES	Pacific Telephone
1960	HARRIS JOHN E	Pacific Telephone
1957	HARRIS JOHN E	Pacific Telephone
1954	RULE ELMER A R	R. L. Polk & Co.

966 W 151ST ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	LETTRIES CHAS W	Pacific Bell
1954	ENDRES PAUL B	R. L. Polk & Co.

972 W 151ST ST

Year	Uses	Source
2001	FRANKLIN Benose 00 D	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1975	FORD ANNIE	Pacific Telephone
1954	ARNS STEVEN D	R. L. Polk & Co.
1950	CARUSO CARL R	Pacific Telephone

974 W 151ST ST

Year	Uses	Source
2001	FRANKLIN D	Haines & Company, Inc.
1958	Bell Jas C	Pacific Telephone
1957	BELL JAS C	Pacific Telephone
1954	CARUSO CARL	R. L. Polk & Co.
1950	KAHN PETER H R	Pacific Telephone

1023 W 151ST ST

Year	Uses	Source
2001	RAMIREZAlen	Haines & Company, Inc.
1980	PERRALES BERNARD	Pacific Telephone
1975	MORALES ANSELMO	Pacific Telephone

1026 W 151ST ST

Year	Uses	Source
2001	GARCIA LUI	Haines & Company, Inc.
1985	PERALES ISABEL	Pacific Bell
1980	PERALES ISABEL	Pacific Telephone
1975	PERALES ISABEL	Pacific Telephone

1027 W 151ST ST

Year	Uses	Source
2001	FORDMdlon 00 i MCCLINTON Louilse V	Haines & Company, Inc.
1985	PIPER LOUISE V	Pacific Bell
1980	PIPER LOUISE V	Pacific Telephone
1975	PIPER LOUISE V	Pacific Telephone

1029 W 151ST ST

Year	Uses	Source
2001	LARA Emery 00 yr	Haines & Company, Inc.

1030 W 151ST ST

Year	Uses	Source
2001	ROBLES Maria	Haines & Company, Inc.
1980	PERALES HERMAN C & TERESA	Pacific Telephone

FINDINGS

1031 W 151ST ST

Year	Uses	Source
2001	DAVISLee	Haines & Company, Inc.

1034 W 151ST ST

Year	Uses	Source
2001	GIBSONEarl	Haines & Company, Inc.
1985	GONZALES MARIA	Pacific Bell
1980	GONZALEZ MARIA	Pacific Telephone

1102 W 151ST ST

Year	Uses	Source
2001	STEVERSONLois	Haines & Company, Inc.

1105 W 151ST ST

Year	Uses	Source
2001	DEBOSE Clilfford	Haines & Company, Inc.

W 151st St

1106 W 151st St

Year	Uses	Source
2014	MACCABEE FREIGHT SERVICES	EDR Digital Archive
2010	MACCABEE FREIGHT SERVICES	EDR Digital Archive

W 151ST ST

1106 W 151ST ST

Year	Uses	Source
2001	FINISTER	Haines & Company, Inc.
1976	Finister Addie	Pacific Telephone
1975	FINISTER ADDIE	Pacific Telephone

1109 W 151ST ST

Year	Uses	Source
2001	MARESDavid	Haines & Company, Inc.
1976	Washington ington ington Virgil	Pacific Telephone

1112 W 151ST ST

Year	Uses	Source
2001	8 BALLESTEROSLuisaa	Haines & Company, Inc.

FINDINGS

1115 W 151ST ST

Year	Uses	Source
2001	8 PADILLARicardo	Haines & Company, Inc.

1116 W 151ST ST

Year	Uses	Source
2001	BALLESTEROSR	Haines & Company, Inc.

1119 W 151ST ST

Year	Uses	Source
2001	8 MEZAJose	Haines & Company, Inc.
1980	GUERRA IGNACIO	Pacific Telephone

1120 W 151ST ST

Year	Uses	Source
2001	RODRIGUEZArturo 00 S	Haines & Company, Inc.

W 152ND

932 W 152ND

Year	Uses	Source
1981	SIMMONS CHAS E COMPTON	Pacific Telephone

972 W 152ND

Year	Uses	Source
1981	LEMELLE C D COMPTON	Pacific Telephone
1971	Howard Patsy	Pacific Telephone

975 W 152ND

Year	Uses	Source
1981	DAWSON JOS COMPTON	Pacific Telephone
1962	Fenderson Iley	Pacific Telephone

W 152ND PL

925 W 152ND PL

Year	Uses	Source
1950	F ER REBT HI R	Pacific Telephone

926 W 152ND PL

Year	Uses	Source
1985	SIMONTON THEO	Pacific Bell

Year	Uses	Source
1950	LRADFORD EARL A R	Pacific Telephone

933 W 152ND PL

Year	Uses	Source
1950	DROVDAL ORVILLE J R	Pacific Telephone

972 W 152ND PL

Year	Uses	Source
1980	LEMEILE C D	Pacific Telephone
1975	HOWARD PATSY	Pacific Telephone
1964	BALL LILLIE	Pacific Telephone
	NORWOOD CHAS	Pacific Telephone
1950	FELDMAN BERNARD G R	Pacific Telephone

973 W 152ND PL

Year	Uses	Source
1985	ROJAS EFRAIN	Pacific Bell
1954	TOOLE RICHARD D	R. L. Polk & Co.
1950	FELIX JAS P LOS ANGELES MIRROR DISTR	Pacific Telephone

W 152ND ST

908 W 152ND ST

Year	Uses	Source
2001	GRAYS Kim	Haines & Company, Inc.
1950	STUCKER DANI0R	Pacific Telephone

909 W 152ND ST

Year	Uses	Source
1954	KNUDSON MARVIN	R. L. Polk & Co.

910 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MALLORY THURRON E	Pacific Telephone
1954	EVANS E E	R. L. Polk & Co.

916 W 152ND ST

Year	Uses	Source
2001	GARIBAYDa Vid	Haines & Company, Inc.

Year	Uses	Source
1964	LEMONS LUCILLE	Pacific Telephone
1960	LEMONS LUCILLE	Pacific Telephone
1950	HAUSER ROBT G R	Pacific Telephone

917 W 152ND ST

Year	Uses	Source
2001	AVALOSRodnguez Maria	Haines & Company, Inc.
1960	HARRIS BETTI CAROL	Pacific Telephone
1957	WILSON MAMIE G	Pacific Telephone
	JOHNSON HORTESSE	Pacific Telephone
1954	SPAPNOLA EUGENE P	R. L. Polk & Co.

918 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	DOUGLAS ALLEN JR	Pacific Telephone
1957	THOMAS H W	Pacific Telephone
1954	SILLS EDW R	R. L. Polk & Co.
1950	SILLS EDW R	Pacific Telephone

919 W 152ND ST

Year	Uses	Source
2001	VEGA Maria	Haines & Company, Inc.
1964	HARRIS NAPOLEON	Pacific Telephone
1954	GERHARD GLORIA	R. L. Polk & Co.

W 152nd St

924 W 152nd St

Year	Uses	Source
2010	RUFINO DANIEL	EDR Digital Archive

W 152ND ST

924 W 152ND ST

Year	Uses	Source
2001	CRUZ Daniel	Haines & Company, Inc.
1950	GUSTAFSON ARTHUR A R	Pacific Telephone

FINDINGS

925 W 152ND ST

Year	Uses	Source
2001	GARAYRamon	Haines & Company, Inc.
1976	Mc Carty Beatrice	Pacific Telephone

926 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

927 W 152ND ST

Year	Uses	Source
2001	RAMIREZEsmeralda	Haines & Company, Inc.
1950	LEWIS JOHN CLARKR	Pacific Telephone

932 W 152ND ST

Year	Uses	Source
2001	GOMEZPedro	Haines & Company, Inc.
1976	Simmons Chas E	Pacific Telephone
1967	Simmons Chas E	Pacific Telephone
1954	FISHBEIN SOL	R. L. Polk & Co.

933 W 152ND ST

Year	Uses	Source
2001	SWILLISDewlu	Haines & Company, Inc.
1954	DICKHUDT WM D	R. L. Polk & Co.

934 W 152ND ST

Year	Uses	Source
1964	SMITH EVELYN	Pacific Telephone
1954	M HOINOSKI FRANK	R. L. Polk & Co.
1950	FINEGAN HARLAND S R	Pacific Telephone

935 W 152ND ST

Year	Uses	Source
1954	HAUSKINS ROY H	R. L. Polk & Co.

940 W 152ND ST

Year	Uses	Source
2001	PORTILLOYadira	Haines & Company, Inc.
1954	FARMER WANDA R	R. L. Polk & Co.
1950	FARMER WANDAR	Pacific Telephone

FINDINGS

941 W 152ND ST

Year	Uses	Source
2001	ROSSTheodore	Haines & Company, Inc.
1954	FULLER PATRICIA ANN	R. L. Polk & Co.

942 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1954	BUOKRIDQE RUSSELL R R	R. L. Polk & Co.

943 W 152ND ST

Year	Uses	Source
1964	DUNCAN MILTON	Pacific Telephone
1960	DUNCAN MILTON	Pacific Telephone
1957	DUNCAN MILTON	Pacific Telephone
1954	SWANGER ROBT D	R. L. Polk & Co.

948 W 152ND ST

Year	Uses	Source
1960	HENDERSON JAS D	Pacific Telephone
1950	BEST GORU4UN BR	Pacific Telephone

949 W 152ND ST

Year	Uses	Source
2001	NAVAREmili o	Haines & Company, Inc.
1958	Sanders Richard A	Pacific Telephone

950 W 152ND ST

Year	Uses	Source
1957	GLENN JAS D	Pacific Telephone
1954	BATESOLE KENNETH L R	R. L. Polk & Co.
1950	BATESCIE KENNETH L R	Pacific Telephone

951 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

956 W 152ND ST

Year	Uses	Source
2001	SWILLIAMSKeilh	Haines & Company, Inc.
1964	SMITH RECIE	Pacific Telephone
1954	SHAON WM V	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1950	SCHARFENBERG GEO W R	Pacific Telephone

957 W 152ND ST

Year	Uses	Source
2001	TORRESGollleemo	Haines & Company, Inc.
1960	FLETCHER ADELL	Pacific Telephone
1950	LAIRD WESLEY W R	Pacific Telephone

958 W 152ND ST

Year	Uses	Source
1960	COOPER CLARENCE	Pacific Telephone
1957	SMITH ROBT H	Pacific Telephone
1954	HONEYCUTT DONALD B R	R. L. Polk & Co.
1950	HONEYCUTT DONALD BR	Pacific Telephone

959 W 152ND ST

Year	Uses	Source
2001	TORRESMaria	Haines & Company, Inc.
1964	TUCKER LONZO	Pacific Telephone
1960	TUCKER LONZO	Pacific Telephone
1954	PERRY GORDON E	R. L. Polk & Co.
1950	TAYLOR F J DR R	Pacific Telephone

964 W 152ND ST

Year	Uses	Source
2001	POLK Sylvester	Haines & Company, Inc.

965 W 152ND ST

Year	Uses	Source
2001	GOSZALEZIvete	Haines & Company, Inc.
1960	HUBER BURT	Pacific Telephone
1954	BREWER WM H	R. L. Polk & Co.

966 W 152ND ST

Year	Uses	Source
1967	Williams Dwight	Pacific Telephone
1960	THOMPSON JEANETTE	Pacific Telephone
1957	THOMPSON ALTON	Pacific Telephone
1950	ROBAUGH JOHN W R	Pacific Telephone

FINDINGS

967 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	WILLIS JOE W	Pacific Telephone
1957	HALL HARMON M	Pacific Telephone
1954	HALL HARMON M	R. L. Polk & Co.
1950	GETZ J S DR R	Pacific Telephone

972 W 152ND ST

Year	Uses	Source
2001	JACKSON Charles	Haines & Company, Inc.
1976	Howard Patsy	Pacific Telephone

973 W 152ND ST

Year	Uses	Source
2001	VILLALOBOS	Haines & Company, Inc.

974 W 152ND ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1976	Chevis Minnie	Pacific Telephone

975 W 152ND ST

Year	Uses	Source
2001	CEJAJo	Haines & Company, Inc.
1960	FENDERSON ILEY	Pacific Telephone
1957	FENDERSON ILEY	Pacific Telephone

980 W 152ND ST

Year	Uses	Source
1957	KOTARSKI VINCENT	Pacific Telephone

982 W 152ND ST

Year	Uses	Source
2001	GRAY Le	Haines & Company, Inc.
1967	Bowser Avis	Pacific Telephone
1964	BOWSER AVIS	Pacific Telephone
1950	PFEIFER ROBT H R	Pacific Telephone

1003 W 152ND ST

Year	Uses	Source
2001	WILLISEmmett	Haines & Company, Inc.

FINDINGS

1004 W 152ND ST

Year	Uses	Source
2001	CHANLin	Haines & Company, Inc.

1007 W 152ND ST

Year	Uses	Source
2001	BRAMBILADnlores	Haines & Company, Inc.

1011 W 152ND ST

Year	Uses	Source
2001	TANNER James	Haines & Company, Inc.

1015 W 152ND ST

Year	Uses	Source
2001	GONZALEZRoque	Haines & Company, Inc.

1016 W 152ND ST

Year	Uses	Source
2001	RODRIGUEZF	Haines & Company, Inc.

1019 W 152ND ST

Year	Uses	Source
2001	ALVARADOManue	Haines & Company, Inc.

1100 W 152ND ST

Year	Uses	Source
2001	OWEBBERArchie	Haines & Company, Inc.

1108 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1114 W 152ND ST

Year	Uses	Source
2001	FLORESJoseph	Haines & Company, Inc.

1115 W 152ND ST

Year	Uses	Source
2001	SACEVESAlberto	Haines & Company, Inc.

1117 W 152ND ST

Year	Uses	Source
2001	GONZALEZNalividad	Haines & Company, Inc.

FINDINGS

1118 W 152ND ST

Year	Uses	Source
2001	SANDOVALCarlos	Haines & Company, Inc.

W ALMOND ST

937 W ALMOND ST

Year	Uses	Source
2001	KIRKS Karen	Haines & Company, Inc.
1985	WYNNE GEO H	Pacific Bell
1964	WYNNE GEO H	Pacific Telephone
1960	WYNNE GEO H	Pacific Telephone
1954	DERBYSHIRE EDGAR W R	R. L. Polk & Co.
1951	Derbyshire E W	Pacific Directory Co.

941 W ALMOND ST

Year	Uses	Source
2001	OCLAYTONMae	Haines & Company, Inc.
1954	KESSLERJ L R	R. L. Polk & Co.
1951	AKesslcr J K	Pacific Directory Co.
1950	KESSLER J K R	Pacific Telephone

945 W ALMOND ST

Year	Uses	Source
2001	NETTLES Freddie L	Haines & Company, Inc.
1985	PRINCE T C	Pacific Bell
1960	PRINCE T C	Pacific Telephone
1957	PRINCE T C	Pacific Telephone
1954	GWIN KENCETH E R	R. L. Polk & Co.
1951	AGwin K E	Pacific Directory Co.
1950	GWIN KENNETH E R	Pacific Telephone

949 W ALMOND ST

Year	Uses	Source
2001	SWANSONImogene	Haines & Company, Inc.
1985	SWANSON IMOGENE	Pacific Bell
1976	Swanson Imogene	Pacific Telephone
1964	WILLIAMS ROBT A	Pacific Telephone
1957	WILLIAMS R G	Pacific Telephone
1954	MILLER JOHN L R	R. L. Polk & Co.
1951	AMiller J L	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1950	MILLER JOHN L R	Pacific Telephone

953 W ALMOND ST

Year	Uses	Source
1985	MATHERSHED W	Pacific Bell
1980	MATHERSHED W	Pacific Telephone
1975	MATHERSHED W	Pacific Telephone
1957	OCELLO LOUIS C	Pacific Telephone
1954	OCELLO LOUIS C R	R. L. Polk & Co.
1951	AOcello L S	Pacific Directory Co.

957 W ALMOND ST

Year	Uses	Source
2001	DIAZArtuna	Haines & Company, Inc.
1960	GOMEZ MAX	Pacific Telephone
1957	GOMES MAX	Pacific Telephone
1954	GOMEZ MAX	R. L. Polk & Co.
1951	ABurgesser F W	Pacific Directory Co.
1950	BURGESSER F W R	Pacific Telephone

961 W ALMOND ST

Year	Uses	Source
2001	FAULKNERTommy	Haines & Company, Inc.
1980	FAULKNER TOMMY L JR	Pacific Telephone
1975	FAULKNER TUMMY L JR	Pacific Telephone
1964	BISHOP BEATRICE N	Pacific Telephone
1951	APorter H J	Pacific Directory Co.
1950	WILES C HR	Pacific Telephone

965 W ALMOND ST

Year	Uses	Source
1985	POOL JAS	Pacific Bell
1980	POOL JAS	Pacific Telephone
1975	POOL JAS	Pacific Telephone
1951	AKaplanek R J	Pacific Directory Co.

969 W ALMOND ST

Year	Uses	Source
2001	SBATTLE Nathan	Haines & Company, Inc.
1985	JONES SHIRLEY	Pacific Bell

FINDINGS

Year	Uses	Source
1960	WIEGELT ROBT	Pacific Telephone
1957	WIEGELT ROBT	Pacific Telephone
1954	WIEGELT ROBTR	R. L. Polk & Co.
1951	AWiegelt Robt	Pacific Directory Co.
1950	WIEGELT ROBTR	Pacific Telephone

973 W ALMOND ST

Year	Uses	Source
2001	WIMNM	Haines & Company, Inc.
1985	WRAGGS LESSIE DEAN	Pacific Bell
	WRAGGS LESSIE D	Pacific Bell
1976	Wraggs Lessie Dean	Pacific Telephone
1964	KELLY JAS	Pacific Telephone
1960	BLAIZE ALDWIN L	Pacific Telephone
1957	BLAIZE ALDWIN L	Pacific Telephone
1954	LASS H W MIKE R	R. L. Polk & Co.
1951	ALass H W M	Pacific Directory Co.
1950	LASS H W MIKE R	Pacific Telephone

1001 W ALMOND ST

Year	Uses	Source
2001	SMERCADOSeraltio	Haines & Company, Inc.
1985	TAYLOR ROSIE	Pacific Bell
1980	ESTERS WINSTON J SR	Pacific Telephone
1975	ESTERS WINSTON J SR	Pacific Telephone
1960	ESTERS ROYCE W	Pacific Telephone
1954	ROBINSON ROSS A R	R. L. Polk & Co.
1951	ARobinson R A	Pacific Directory Co.
1950	SMITH WM IT COMDR RET R	Pacific Telephone

1005 W ALMOND ST

Year	Uses	Source
1964	TRAMBLE SYLVESTER	Pacific Telephone
1957	JAMES ISABELLE	Pacific Telephone
1954	TREWEEK LOYAL S R	R. L. Polk & Co.
1951	ATrewecp L S	Pacific Directory Co.
1950	AMES WM A JR R	Pacific Telephone

FINDINGS

1009 W ALMOND ST

Year	Uses	Source
2001	DANDRIDGEHyacinth	Haines & Company, Inc.
1985	DANDRIDGE DARLENE M	Pacific Bell
	LAKE HYACINTH M	Pacific Bell
1980	DANDRIDGE DARLENE M	Pacific Telephone
	LAKE HYACINTH M	Pacific Telephone
1976	Lake Hyacinth M	Pacific Telephone
	Dandridge Hiedy V	Pacific Telephone
1975	LAKE HYACINTH M	Pacific Telephone
	DANDRIGE DARLENE M	Pacific Telephone
1964	LAKE HYACINTH M	Pacific Telephone
1960	LAKE HYACINTH M	Pacific Telephone
1958	Lake Hyacinth M	Pacific Telephone
1957	LAKE HYACINTH NI	Pacific Telephone
1954	DANDRIDGE HENRY	R. L. Polk & Co.
1951	ADorsott H H	Pacific Directory Co.
1950	DORSETT H H R	Pacific Telephone

W COMPTON BLVD

851 W COMPTON BLVD

Year	Uses	Source
2001	BCCTRUCKINGAND	Haines & Company, Inc.
1995	Davis Linn atty at law	Pacific Bell
	Duncan Anthony DDS	Pacific Bell
	Ortega John Ratty	Pacific Bell
	Joyce Maureen C atty	Pacific Bell
1976	Carter Philip M atty	Pacific Telephone
	Hall Roland W Sr atty	Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION	Pacific Telephone
1971	Action Enterprises	Pacific Telephone
	Washington Geo Jr Dr dntst	Pacific Telephone
1964	WASHINGTON GEO JR DR DNTST	Pacific Telephone

857 W COMPTON BLVD

Year	Uses	Source
1964	K C APPLIANCES & SERV	Pacific Telephone
1954	ZUCKWEILER W E	R. L. Polk & Co.

Year	Uses	Source
1951	AGump Bros poultry	Pacific Directory Co.

861 W COMPTON BLVD

Year	Uses	Source
2001	FRANKSBARBER	Haines & Company, Inc.
1951	1/2 Dale W W	Pacific Directory Co.
	Belin L M Mrs	Pacific Directory Co.

W Compton Blvd

863 W Compton Blvd

Year	Uses	Source
2014	MARSHALL TERRY	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive
2010	MARSHALL / SONS LANDSCAPING CO	EDR Digital Archive
	GREEN FORREST FARMS	EDR Digital Archive

W COMPTON BLVD

863 W COMPTON BLVD

Year	Uses	Source
2001	LOZANOJosfeina 00 I	Haines & Company, Inc.
1995	Elizarraras Emigdio	Pacific Bell
1975	AGUILAR GLORIA	Pacific Telephone
1964	HODGE GULOY V	Pacific Telephone
	HODGE LENA K	Pacific Telephone
1957	DEMOREE FRANK	Pacific Telephone
1951	ASpencer W S	Pacific Directory Co.
1950	SPENCER WM S R	Pacific Telephone

873 W COMPTON BLVD

Year	Uses	Source
2001	HEINANDEZBsmardo	Haines & Company, Inc.

W Compton Blvd

891 W Compton Blvd

Year	Uses	Source
2010	GRIMALDO RUBEN	EDR Digital Archive

FINDINGS

W COMPTON BLVD

891 W COMPTON BLVD

Year	Uses	Source
2001	TORREZRa 5a	Haines & Company, Inc.
1975	HOLLOWAY MELVILLE J	Pacific Telephone
1964	HOLLOWAY MELVILLE J	Pacific Telephone
1960	HOLLOWAY MELVILLE J	Pacific Telephone
1957	HOLLOWAY MELVILLE J	Pacific Telephone
1954	SONES WAYNE H R	R. L. Polk & Co.
1951	ASoncs W H	Pacific Directory Co.
1950	SONES WAYNE H R	Pacific Telephone
1947	Sones W H	Pacific Directory Co.

W Compton Blvd

901 W Compton Blvd

Year	Uses	Source
2014	ANTISTA INC	EDR Digital Archive

W COMPTON BLVD

901 W COMPTON BLVD

Year	Uses	Source
2001	SDALEShrley	Haines & Company, Inc.
1985	DALES APPLIANCES & SERVICE	Pacific Bell
1980	DALES APPLIANCES & SERVICE	Pacific Telephone
1975	DALE S APPLIANCES & SERVICE	Pacific Telephone
1964	FASHION CLEANERS	Pacific Telephone
1960	FASHION CLEANERS	Pacific Telephone
1957	GEORGE S CLEANERS	Pacific Telephone
1954	EXCEL CLEANERS	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Vacant	Pacific Directory Co.

W Compton Blvd

903 W Compton Blvd

Year	Uses	Source
2010	J ROOFING	EDR Digital Archive

FINDINGS

W COMPTON BLVD

903 W COMPTON BLVD

Year	Uses	Source
2001	DANIELSRENTAL	Haines & Company, Inc.
1971	Countee Noyal Realty	Pacific Telephone
1954	HENRIETTA S BEAUTY SALON	R. L. Polk & Co.

W Compton Blvd

905 W Compton Blvd

Year	Uses	Source
2010	FLAVA INC	EDR Digital Archive

W COMPTON BLVD

905 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Sir Chriss Beauty Salon	Pacific Bell
1985	HAIR AND NAILS UNLIMITED	Pacific Bell
	HAIR AND NAILS UNLIMITED	Pacific Bell
1976	Calloway Monument Co	Pacific Telephone
	Calloway Harry	Pacific Telephone
1960	ALCO MAINTENANCE CO	Pacific Telephone
1957	WOODS RADIO & TV SHOP	Pacific Telephone
1951	Vacant	Pacific Directory Co.

W Compton Blvd

909 W Compton Blvd

Year	Uses	Source
2014	CALLOWAY MONUMENT CO	EDR Digital Archive
2010	CALLOWAY MONUMENT CO	EDR Digital Archive

W COMPTON BLVD

909 W COMPTON BLVD

Year	Uses	Source
2001	CALLOWAYMNMNTCO	Haines & Company, Inc.
1995	Calloway Monument Co	Pacific Bell

Year	Uses	Source
1964	ALCO MAINTENANCE CO	Pacific Telephone
1957	MULE TRUCK LINE	Pacific Telephone
1951	AFowlie W H trailer rentals	Pacific Directory Co.
1950	FOWLIE WM H TRAILR RENTALS	Pacific Telephone
1947	Fowlie W H trailer rentals	Pacific Directory Co.

W Compton Blvd

911 W Compton Blvd

Year	Uses	Source
2014	WALKERS TV SERVICE	EDR Digital Archive
	BJ WALKERS TV SERVICE	EDR Digital Archive
2010	BJ WALKERS TV SERVICE	EDR Digital Archive
	WALKERS TV SERVICE	EDR Digital Archive

W COMPTON BLVD

911 W COMPTON BLVD

Year	Uses	Source
2001	TILLMANLinda 00 I WALKERSAPPLIANCE	Haines & Company, Inc.
1995	Walkers Appliance Service	Pacific Bell
	Walkers TV Service	Pacific Bell
1960	NU-FASHION BARBER SHOP	Pacific Telephone
1957	EXCEL CLEANERS	Pacific Telephone

913 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MADDOX CLIFFORD	Pacific Bell

919 W COMPTON BLVD

Year	Uses	Source
2001	ANDRESWROUGHT	Haines & Company, Inc.
1995	One Day Home Care Iron Sales	Pacific Bell
1980	PACIFIC EXPRESS ORNAMENTAL IRON	Pacific Telephone
1975	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone
	PACIFIC ORNAMENTAL WROUGHT IRON & WELDING	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	SINE WAVE CORP	Pacific Telephone

923 W COMPTON BLVD

Year	Uses	Source
1960	EXCEL CLEANERS	Pacific Telephone

925 W COMPTON BLVD

Year	Uses	Source
1940	Vacant	Los Angeles Directory Co.

W Compton Blvd

929 W Compton Blvd

Year	Uses	Source
2010	MUEBLERIA LOS AMIGOS	EDR Digital Archive

W COMPTON BLVD

929 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1957	MAC S RADIATOR SERV	Pacific Telephone
	MAC S RADIATOR SERV	Pacific Telephone
1954	MAC S RADIATOR SERV	R. L. Polk & Co.
1951	AMacs Radiator Serv	Pacific Directory Co.
1950	MAC S RADIATOR SERV	Pacific Telephone

933 W COMPTON BLVD

Year	Uses	Source
2001	CENTRLSYSTEMS	Haines & Company, Inc.
1980	A A AUTO REPAIR	Pacific Telephone
1975	A A AUTO REPAIR	Pacific Telephone
1964	A A A AUTO REPAIR	Pacific Telephone

935 W COMPTON BLVD

Year	Uses	Source
2001	SOOOAshok	Haines & Company, Inc.

FINDINGS

937 W COMPTON BLVD

Year	Uses	Source
1957	TOPANGA TUBE CO ELECTREC TUBES	Pacific Telephone
1954	HUB CITY UPHOLSTERY	R. L. Polk & Co.
1951	ACompton Mattress Shop	Pacific Directory Co.
1950	COMPTON MATTRESS CO	Pacific Telephone

W Compton Blvd

939 W Compton Blvd

Year	Uses	Source
2010	YOUNGS STYLE CENTER	EDR Digital Archive

W COMPTON BLVD

939 W COMPTON BLVD

Year	Uses	Source
2001	YOUNGSSTYLE	Haines & Company, Inc.
1995	Youngs Style Center	Pacific Bell
	Youngs Style Center	Pacific Bell
1985	WIZ STORE	Pacific Bell
1964	WATKINS PRODUCTS DISTRIBUTORS	Pacific Telephone
1960	G S PUBLIC RELATION SYSTEM	Pacific Telephone
1957	NOMIA S BEAUTY SALON	Pacific Telephone
1954	MYHAND-KELLY HDWE CO	R. L. Polk & Co.
1951	AMyhand Kelly Hdw Co	Pacific Directory Co.
1950	MYHAND-KEILY HDWE CO	Pacific Telephone

940 W COMPTON BLVD

Year	Uses	Source
1947	Enterprise High Schi	Pacific Directory Co.

W Compton Blvd

941 W Compton Blvd

Year	Uses	Source
2010	DIAZ JOSE M	EDR Digital Archive

FINDINGS

W COMPTON BLVD

941 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	ADELL S BAR-B-Q	Pacific Bell
1980	ADELLS BAR B Q	Pacific Telephone
1975	ADELLS BAR B Q	Pacific Telephone
1964	LEONARD S BAR-B-Q	Pacific Telephone
1960	HARRIS BAR-B-QUE	Pacific Telephone
1957	GLOSSON S BARBECUE	Pacific Telephone
1954	KATHIE S CHICKEN PIES	R. L. Polk & Co.
1951	a Offenhauscr Fred	Pacific Directory Co.
	AOffenhauser Fred bakery	Pacific Directory Co.
1950	KATBIE S CHICKEN PIES	Pacific Telephone
1947	Barclay Albt bkry	Pacific Directory Co.

945 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Tapia Maria Elena	Pacific Bell
	Carolyn Fikess Gifts	Pacific Bell
	One Nation Enterprise	Pacific Bell
1985	HUBBARD WILLIE B	Pacific Bell
1960	FORST BESSIE M	Pacific Telephone
1954	FORST W E R	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
	AForat W E	Pacific Directory Co.
1950	FORST W E R	Pacific Telephone
1947	Forst & Son radiator repr	Pacific Directory Co.
	Under Construction	Pacific Directory Co.

962 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

963 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

965 W COMPTON BLVD

Year	Uses	Source
1975	MEYERS GENE	Pacific Telephone
1971	Acme Answering Service	Pacific Telephone
1964	ACME ANSWERING SERV	Pacific Telephone
1960	KELSEYS TERMITE CONTROL CO	Pacific Telephone
1957	AGUAYO JOSE	Pacific Telephone
1951	AStanley J D	Pacific Directory Co.
1950	WORKMAN OSCAR MRS R	Pacific Telephone

975 W COMPTON BLVD

Year	Uses	Source
1995	Flowers & Much More	Pacific Bell
	Gonzalez Rosa	Pacific Bell
1980	GRAY TRUMAN	Pacific Telephone

979 W COMPTON BLVD

Year	Uses	Source
1985	J P SAMPLE SHOP	Pacific Bell
1980	J P SAMPLE SHOP	Pacific Telephone
1975	J P SAMPLE SHOP	Pacific Telephone

981 W COMPTON BLVD

Year	Uses	Source
1985	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Bell
	WEBB S PIANO SERVICE	Pacific Bell
1980	OTHA L WEBB WEBB S PIANO SERVICE	Pacific Telephone
1976	Woolfolk Henderson K Ins Agcy	Pacific Telephone
	Henderson K Woolfolk Ins Agcy	Pacific Telephone
1975	HENDERSON K WOOLFOLK INS ASCY	Pacific Telephone
1964	S S S MEN S CLOTHING & CERAMICS	Pacific Telephone

W Compton Blvd

983 W Compton Blvd

Year	Uses	Source
2014	LORETOS FRIED TURKEY	EDR Digital Archive
2010	LORETOS FRIED TURKEY	EDR Digital Archive

FINDINGS

W COMPTON BLVD

983 W COMPTON BLVD

Year	Uses	Source
1985	SIMS CHOP SUEY NO 5	Pacific Bell
1975	CARL S CANDY STORE	Pacific Telephone

W Compton Blvd

985 W Compton Blvd

Year	Uses	Source
2010	V NEWS	EDR Digital Archive

W COMPTON BLVD

985 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1985	UNITED RUBBER WORKERS OF AMERICA LOCAL NO 451 AFLCIO	Pacific Bell
1964	WEBB S PIANO SHOP	Pacific Telephone
	WEBB OTBA L WEBB S PIANO SHOP	Pacific Telephone

987 W COMPTON BLVD

Year	Uses	Source
2001	BAILEYJulia	Haines & Company, Inc.
1995	Scott & Tolberts Barber Shop	Pacific Bell
1985	SCOTT & TOLBERT S BARBER SHOP	Pacific Bell

W Compton Blvd

989 W Compton Blvd

Year	Uses	Source
2010	HOUSE OF BEAUTY	EDR Digital Archive

W COMPTON BLVD

989 W COMPTON BLVD

Year	Uses	Source
2001	WESSIEUJEANETTE	Haines & Company, Inc.
1995	Wessie & Jeanette House Of Beauty	Pacific Bell

Year	Uses	Source
1985	WESSIE & JEANETTE HOUSE OF BEAUTY	Pacific Bell

995 W COMPTON BLVD

Year	Uses	Source
1985	QTS	Pacific Bell
1980	BARBARA ANN COMMUNITY MARKET	Pacific Telephone
1975	MCDANIEL MKT	Pacific Telephone
1964	MCDANIEL MKT	Pacific Telephone
1960	MCDANIEL MKT	Pacific Telephone

W Compton Blvd

1001 W Compton Blvd

Year	Uses	Source
2010	HOOPERS CARPETS	EDR Digital Archive
	COOPERS AUTO	EDR Digital Archive

W COMPTON BLVD

1001 W COMPTON BLVD

Year	Uses	Source
2001	3 DOBSONLIllie	Haines & Company, Inc.
1995	Hoopers Carpet	Pacific Bell
1985	HOOPER S CARPET	Pacific Bell
1980	HOOPERS CARPET	Pacific Telephone
1975	HOLIFIELD CARPET CO	Pacific Telephone
1954	WALTON S RICHFIELD SERV	R. L. Polk & Co.
1951	a Sinclair C B	Pacific Directory Co.
	Sinclair C B gas sta	Pacific Directory Co.
1947	Sinclair C B gas sta	Pacific Directory Co.

1009 W COMPTON BLVD

Year	Uses	Source
1995	Brack Berkley Billiards	Pacific Bell
	Nancys Nails	Pacific Bell

FINDINGS

W Compton Blvd

1011 W Compton Blvd

Year	Uses	Source
2010	NU 2 U THRIFT STORE	EDR Digital Archive

W COMPTON BLVD

1011 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	BLACKSHIRE JERRY TRUCKING GARDENA	Pacific Bell
1985	BLACKSHIRE JERRY TRUCKING	Pacific Bell
1957	JONES MARVIN A	Pacific Telephone
1954	HUGHES ROBT R	R. L. Polk & Co.
1951	Hughes RR	Pacific Directory Co.
1947	Rushlow H C	Pacific Directory Co.

W Compton Blvd

1015 W Compton Blvd

Year	Uses	Source
2010	NANCY NAILS	EDR Digital Archive

W COMPTON BLVD

1015 W COMPTON BLVD

Year	Uses	Source
1985	COMPTON CRUSADE OUTREACH	Pacific Bell
1980	COMPTON CRUSADE OUTREACH	Pacific Telephone

W Compton Blvd

1016 W Compton Blvd

Year	Uses	Source
2014	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive
2010	YOUNGKON CORP	EDR Digital Archive
	BAKER NATE LIQUOR	EDR Digital Archive
	TONYS LIQUOR	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1016 W COMPTON BLVD

Year	Uses	Source
2001	NATES LIQUOR	Haines & Company, Inc.
1995	Nates Liquor	Pacific Bell
1985	NATE S LIQUOR	Pacific Bell
1980	B & G LIQUOR	Pacific Telephone
1975	MEMO LIQUOR INC	Pacific Telephone
1964	MEMO LIQUOR INC	Pacific Telephone
1947	Copeland Ferne	Pacific Directory Co.

1018 W COMPTON BLVD

Year	Uses	Source
2001	MORALESReyes	Haines & Company, Inc.
1995	Fierros Carmen	Pacific Bell
1960	ANNIE RUTHS PHYSICAL THERAPY SERV	Pacific Telephone
1947	Mc Laughlin J T	Pacific Directory Co.

1020 W COMPTON BLVD

Year	Uses	Source
2001	DRTEGARodolo 00 I	Haines & Company, Inc.
1985	HOLIFIELD CLEVELAND SR	Pacific Bell
1980	MUHAMMAD SHADEED	Pacific Telephone
	HOLIFIELD CLEVELAND SR	Pacific Telephone
1971	Victorian Annie Ruth	Pacific Telephone
	Rhoten Annie Ruth Dr	Pacific Telephone
1960	WALLENDAL BERNICE H	Pacific Telephone
	HODGE LENA K	Pacific Telephone
	HODGE GULEY V	Pacific Telephone
1954	TORY TESTER W	R. L. Polk & Co.

W Compton Blvd

1021 W Compton Blvd

Year	Uses	Source
2010	J J PLACE	EDR Digital Archive

FINDINGS

W COMPTON BLVD

1021 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	B S CLEANERS	Pacific Telephone
1975	B S CLEANERS	Pacific Telephone
1964	R & H MEAT	Pacific Telephone
1960	POLLARD S MKT	Pacific Telephone
1957	POLLARD S MKT	Pacific Telephone
1954	DERRY S MKT	R. L. Polk & Co.
1951	Derry V gro	Pacific Directory Co.
	a enoo Drrv Dale	Pacific Directory Co.
1950	DERRY S MKT	Pacific Telephone
1947	Derrys Market	Pacific Directory Co.
	a Derry Dale	Pacific Directory Co.

1022 W COMPTON BLVD

Year	Uses	Source
1995	Family Charitable & Educational Services	Pacific Bell
1985	EXOTIC INN MOTEL	Pacific Bell
1967	Science of Desired Living Institute Hdqtrs The	Pacific Telephone
1964	TEMPLE OF DESIRED LIVING THE	Pacific Telephone
1950	HALL JOLER	Pacific Telephone
1947	Hall J D	Pacific Directory Co.

1023 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	Willie Perrys	Pacific Bell
1985	WILLIE PERRYS	Pacific Bell
1975	OTTO S SERVICE CENTER	Pacific Telephone
1964	CREWR MUFFLER SHOP	Pacific Telephone
1960	CREW R MUFFLER SHOP	Pacific Telephone
1957	CREW R FIX-IT SHOP	Pacific Telephone
1954	GENUNG JESSIE M	R. L. Polk & Co.
	TAYLOR HARRY L	R. L. Polk & Co.
1951	a Genunq Eula Mrs	Pacific Directory Co.
1947	Erlitz P F printer	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	a Genung Eula Mrs	Pacific Directory Co.

1025 W COMPTON BLVD

Year	Uses	Source
1964	SAMPSON BERNICE	Pacific Telephone
1960	COOPER VARREE	Pacific Telephone
1957	BALSTAD GERHARD	Pacific Telephone
1954	BALSTAD GERHARD R	R. L. Polk & Co.
1951	ABalstad Gerhard	Pacific Directory Co.
1950	BALSTAD GERHARD R	Pacific Telephone
1947	Savage Ralph	Pacific Directory Co.

1027 W COMPTON BLVD

Year	Uses	Source
1957	MARSHALL JESSIE M	Pacific Telephone
1954	WHITE SALLIE F	R. L. Polk & Co.
1951	Kummcrfeld Keith	Pacific Directory Co.
1947	Balstad Gerhard	Pacific Directory Co.

1028 W COMPTON BLVD

Year	Uses	Source
1990	RUSHING NORT S GARDENA	Pacific Bell
1986	RUSHING NORT S GARDENA	Pacific Bell
	WILLIAMS JIMMIE JR GARDENA	Pacific Bell
1985	APPLEWHITE R	Pacific Bell
	CHO WOO JAE	Pacific Bell
	HUNT MARTHA	Pacific Bell
	JACOBSON JEFF Y	Pacific Bell
	JUNG WOONG-KIL	Pacific Bell
	LESSER M B	Pacific Bell
	MA T	Pacific Bell
	MARTINEZ ROSA	Pacific Bell
	MC DEVITT K	Pacific Bell
	MOY SHUK K	Pacific Bell
	NIZAMI ARIF	Pacific Bell
	NUGENT MARK	Pacific Bell
	QUO VADIS APARTMENTS I	Pacific Bell
	RUSHING NORT S	Pacific Bell
	SANCHEZ MARIO	Pacific Bell

FINDINGS

Year	Uses	Source
1985	SULLINS HARVEY E	Pacific Bell
	THOMAS ELIZABETH	Pacific Bell
	WEBB WILLIE LEE	Pacific Bell
	WHEELER CORNELL	Pacific Bell
	WILLIAMS JIMMIE JR	Pacific Bell
	YESSAAD KARIM	Pacific Bell
	YOON KI SEUNG	Pacific Bell
1981	AREDAS DANL GARDENA	Pacific Telephone
	RUSHING NORT S GARDENA	Pacific Telephone
1980	BADOY NORMA S	Pacific Telephone
	DIAZ WM J	Pacific Telephone
	LESSER M B	Pacific Telephone
	MESA LARRY P	Pacific Telephone
	BADOY NORMA S	Pacific Telephone
	GORDON VIOLET	Pacific Telephone
	HAJNAL GEORGE	Pacific Telephone
	INGRAM DAVID	Pacific Telephone
	JONES KENNETH L	Pacific Telephone
	KELLY DONALD	Pacific Telephone
	KEOHO C M	Pacific Telephone
	KUBOTA D	Pacific Telephone
	LATHROP DAVID	Pacific Telephone
	LEE LINDA	Pacific Telephone
	LEE REUBEN	Pacific Telephone
1976	Jones Lisa J	Pacific Telephone
	Moore Katherine	Pacific Telephone
	Mosley Merion W	Pacific Telephone
	Humphries Roslyn	Pacific Telephone
	Johns Freddie Lee	Pacific Telephone
1975	BLOUNT ELIZABETH	Pacific Telephone
	CHISM SHELIA	Pacific Telephone
	DURAN MATIAS M	Pacific Telephone
	GRINLEY ROBT	Pacific Telephone
	HALLIDAY CHAS R	Pacific Telephone
	HARRIS HUBERT	Pacific Telephone
	HODGE ROBERT A	Pacific Telephone
	JOHNS FREDDIE LEE	Pacific Telephone
	MILES MARVIN	Pacific Telephone

Year	Uses	Source
1975	MOORE KATHRINE	Pacific Telephone
	MORINELLO JAS	Pacific Telephone
	MOSLEY MERION W	Pacific Telephone
	MULLIGAN MARK	Pacific Telephone

1029 W COMPTON BLVD

Year	Uses	Source
1967	Wilkey Leroy	Pacific Telephone
1964	HARRIS OLA	Pacific Telephone
	HARRIS WILLIE S	Pacific Telephone
	WILKEY LEROY	Pacific Telephone
1960	ROSS LOIS N	Pacific Telephone
1954	DITTENBER VIOLET R	R. L. Polk & Co.
1951	a ADittnber Geo	Pacific Directory Co.
	b Gonung M R	Pacific Directory Co.
	c Whitley Wm jr	Pacific Directory Co.
	d Mcllroy Otis	Pacific Directory Co.
	e Thompson J M	Pacific Directory Co.
1950	DITTENBER GEO H R	Pacific Telephone
1947	Genung M R	Pacific Directory Co.

1038 W COMPTON BLVD

Year	Uses	Source
2001	COMNT	Haines & Company, Inc.

1048 W COMPTON BLVD

Year	Uses	Source
1980	INTERNATIONAL BUDDHIST PROGRESS SOCIETY	Pacific Telephone
1970	SAINT THOMAS LUTHERAN CHURCH	Pacific Telephone
1960	MCCRACKEN LEVE	Pacific Telephone
1957	MCCRACKEN LEVE	Pacific Telephone
1954	MCCRACKEN LEVE	R. L. Polk & Co.
1950	MCCRACKEN LEVE R	Pacific Telephone

1100 W COMPTON BLVD

Year	Uses	Source
2001	HARTHOLIFIELEmrly	Haines & Company, Inc.
1981	ASBURY W W OIL SALES & SERVICE COMPTON	Pacific Telephone
1980	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1975	ASBURY W W OIL SALES & SERVICE	Pacific Telephone
1971	ASBURY W W OIL SALES & SERVICE	Pacific Telephone

1108 W COMPTON BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	JENNINGS FURNITURE	Pacific Bell
	MANUEL GOMEZ	Pacific Bell
1975	JAMES METAL POLISHING CO	Pacific Telephone

1116 W COMPTON BLVD

Year	Uses	Source
1964	KELLY JAS A	Pacific Telephone
1960	KELLY JAS A	Pacific Telephone
1957	KETLY JAS A	Pacific Telephone
1954	L(ELLY JAS A	R. L. Polk & Co.
1950	KELLY JAS A R	Pacific Telephone

W Compton Blvd

1118 W Compton Blvd

Year	Uses	Source
2014	VISTA COATINGS INC	EDR Digital Archive
2010	VISTA COATINGS INC	EDR Digital Archive

W COMPTON BLVD

1118 W COMPTON BLVD

Year	Uses	Source
2001	ACUNAMIchaal	Haines & Company, Inc.
1995	Vista Coatings Inc	Pacific Bell
1985	B & B COATING	Pacific Bell
1981	B & W PLATING CO INC COMPTON	Pacific Telephone
1980	B & W PLATING CO INC	Pacific Telephone
1975	B & W PLATING CO	Pacific Telephone
1971	B & W Plating Co	Pacific Telephone

FINDINGS

1120 W COMPTON BLVD

Year	Uses	Source
1980	LAMIS WM D	Pacific Telephone
1975	KAMEI AKEMI	Pacific Telephone
1964	LAMIS GRACE	Pacific Telephone
1960	GARRETT BESSIE H MRS	Pacific Telephone
	LINCOLN K M	Pacific Telephone
	REHM WM G	Pacific Telephone
	TOLAND THOS A	Pacific Telephone
1957	GANRTT BESSUE H MRS	Pacific Telephone
1954	GARRETT BESSIE H MRS	R. L. Polk & Co.
1950	GARRETT BESSLE H MRSF R	Pacific Telephone

1126 W COMPTON BLVD

Year	Uses	Source
1950	SOUTHERN CALIFORNIA WATER COMPANY GARDENA	Pacific Telephone

1130 W COMPTON BLVD

Year	Uses	Source
1986	MCMILLAN CLARECE GARDENA	Pacific Bell
1985	ARAI HIDEO	Pacific Bell
	BULL ANGELA C	Pacific Bell
	FOSTER CORNEL	Pacific Bell
	FUNAYAMA YUNY Y	Pacific Bell
	HO CHUNG	Pacific Bell
	KERSEY C	Pacific Bell
	KIKUCHI D	Pacific Bell
	KIYOTO FUMIHIRO	Pacific Bell
	MANNARI TSUTOMU	Pacific Bell
	MCMILLAN CLARECE	Pacific Bell
	OHIZUMI SATOSHI	Pacific Bell
	OSHIMO JERRY	Pacific Bell
	PARK HENRY	Pacific Bell
	PEGOUSKE E L	Pacific Bell
	RICE THOS J	Pacific Bell
	RODRIGUEZ GREGORIO N	Pacific Bell
	TAKARA JOHN	Pacific Bell
	TOKURA ISAO	Pacific Bell
1981	MCMILLAN CLARECE GARDENA	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	CONTRERAS RICARDO	Pacific Telephone
	FRANCO PEDRO	Pacific Telephone
	FUNAYAMA YUNY Y	Pacific Telephone
	HTWE MAUNG M	Pacific Telephone
	KOHARA KEIZO	Pacific Telephone
	LOPEZ CONSTANTINO M	Pacific Telephone
	MALDONADO JULIO	Pacific Telephone
	MCMILLAN CLARECE	Pacific Telephone
	ORTEGA EMELIA	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PESZESZER EVA	Pacific Telephone
1976	Mc Millan Clarece	Pacific Telephone
1975	BOGARD LOUIS	Pacific Telephone
	CHAN LUPLIN	Pacific Telephone
	DEFENDORF DE LOYCE P	Pacific Telephone
	DOMINGUEZ RICHARD L	Pacific Telephone
	EXLINE WM A	Pacific Telephone
	GORDON HARRY	Pacific Telephone
	GOSA QUENTELLA	Pacific Telephone
	GUERA HENRY	Pacific Telephone
	HEIN S L	Pacific Telephone
	HERNANDEZ OSCAR	Pacific Telephone
	KOBAYASHI NORIMITSU I	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	MATSUSHITA M	Pacific Telephone
	MCGRADY K	Pacific Telephone
	MCGREGOR BERRY	Pacific Telephone
	MCMILLAN CLARENCE	Pacific Telephone
	MILLER Y E	Pacific Telephone
	NAKAMOTO YUJI	Pacific Telephone
	OSHIMO JERRY	Pacific Telephone
	PAL SUNG JA LEE	Pacific Telephone
1970	BALISKI CHERYL	Pacific Telephone
	BEITMAN JEAN	Pacific Telephone
	COPENHAVER HAROLD A	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	GREGG ROBT	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	HAGIWARA MASAAKI	Pacific Telephone
	HARADA LAWRENCE S	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	ITO SHIGERU H	Pacific Telephone
	KAWASHIMA YASUMASA	Pacific Telephone
	KIEWEL ANTHONY R	Pacific Telephone
	KIMBLE RONALD W	Pacific Telephone
	KREGNESS JAS	Pacific Telephone
	KUBO BOB T	Pacific Telephone
	LA LIBERTE MARY	Pacific Telephone
	LEWELLEN DON	Pacific Telephone
	LILAOOWALA RASHID	Pacific Telephone
	NAKAMURA K	Pacific Telephone
	NELSON MARVIN	Pacific Telephone
	HO CHUNG	Pacific Telephone
	HO CHUNG	Pacific Telephone
	NIEMANN MILTON H	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PIERSON ALBERT O	Pacific Telephone
	RADISICH THOMAS	Pacific Telephone
	SERRANO PETE	Pacific Telephone
1964	BAILEY FRANCES L	Pacific Telephone
	BRANSON RENEE	Pacific Telephone
	COULON CEASAR	Pacific Telephone
	EL DORADO APTS	Pacific Telephone
	FARRIS REBECCA	Pacific Telephone
	GARRATT DONALD	Pacific Telephone
	HORNBACK KENNETH C	Pacific Telephone
	LANG JUDY	Pacific Telephone
	MERHA FRANK	Pacific Telephone
	PETERSON CAROLYN	Pacific Telephone
	PRATHER R LARRY	Pacific Telephone
	RILEY ROBT K	Pacific Telephone
	SCAFFIDI ROY T	Pacific Telephone
	TARCA EDW L	Pacific Telephone
1957	SINGER JAS N	Pacific Telephone
	SINGER JOHN A	Pacific Telephone
1954	SINGER JAS M	R. L. Polk & Co.

Year	Uses	Source
1950	SINGER JAS M R	Pacific Telephone

1133 W COMPTON BLVD

Year	Uses	Source
1975	MAURMAN MARGLE MRS	Pacific Telephone
1970	MAURMAN MARGIE MRS	Pacific Telephone
1964	MAURMAN MARGIE MRS	Pacific Telephone
1960	MAURMAN MARGIE MRS	Pacific Telephone
1957	MAURMAN MARGIE MRS	Pacific Telephone

1136 W COMPTON BLVD

Year	Uses	Source
1950	HAGER CHAS F R	Pacific Telephone

1139 W COMPTON BLVD

Year	Uses	Source
1985	TUAI ERIC J	Pacific Bell
1970	SMALLEY WM R	Pacific Telephone
1964	SMALLEY WM R	Pacific Telephone
1960	SMALLEY WM R	Pacific Telephone
1957	SMALLEY WINNETKA R	Pacific Telephone

1145 W COMPTON BLVD

Year	Uses	Source
1985	BOWLING BANKS D	Pacific Bell
1981	BOWLING BANKS D GARDENA	Pacific Telephone
1980	BOWLING BANKS D	Pacific Telephone
1976	Bowling Banks D	Pacific Telephone
1975	BOWLING BANKS D	Pacific Telephone
	BOWLING BRAD	Pacific Telephone
1971	Bowling Banks D	Pacific Telephone
1970	B-B RUBBISH DISPOSAL CO	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1967	Bowling Banks D	Pacific Telephone
1964	B B RUBBISH	Pacific Telephone
	BOWLING BANKS D	Pacific Telephone
1962	Bowling Banks D	Pacific Telephone
1960	BOWLING BANKS D	Pacific Telephone
1958	Bowling Banks D	Pacific Telephone
1957	BOWLING BANKS D	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	PALMER CHET RLTR	R. L. Polk & Co.

1148 W COMPTON BLVD

Year	Uses	Source
1985	ALBEE J	Pacific Bell
	AUSMAN MABLE	Pacific Bell
	BLANCHARD ALICE	Pacific Bell
	JANES ARTHUR V	Pacific Bell
	MARTINEZ F P	Pacific Bell
	MOORE L	Pacific Bell
	RABE JOS J	Pacific Bell
	SAKATANI RICHARD	Pacific Bell
	SALOMAA SAM	Pacific Bell
	STANCLIFFE CALRICE	Pacific Bell
	TANIMOTO BERT & YUMIKO	Pacific Bell
1980	AUSMAN MABLE	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	KICZA JOHN E	Pacific Telephone
	MARSH PAUL & KATHERINE	Pacific Telephone
1976	Okamura Tom	Pacific Telephone
1975	MAGEL BEN	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	HOU GEO T	Pacific Telephone
	AUSMAN MABLE	Pacific Telephone
1971	Tani Tom T	Pacific Telephone
1970	CHODA PHILIP	Pacific Telephone
	FOREMAN DENNY R	Pacific Telephone
	GREEN WM E	Pacific Telephone
	HONDA PAUL	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	LEWIS CAROL	Pacific Telephone
	NIELAND CHAS R	Pacific Telephone
	OTA EDDIE M	Pacific Telephone
	RABRE JOS J	Pacific Telephone
	SILVIO JOS	Pacific Telephone
	TAYLOR B J	Pacific Telephone
1964	BOONE PETER	Pacific Telephone
	CLARK CAROL	Pacific Telephone
	DAVIS DONALD LEVI	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	DAVIS SHARON	Pacific Telephone
	JANES ARTHUR V	Pacific Telephone
	MURPHY JULIA	Pacific Telephone
	WIRTHLIN CHERIE M	Pacific Telephone
1957	BARRETT W VERNON	Pacific Telephone
1954	BARRETT W VERNON	R. L. Polk & Co.
1950	BARRETT W VERNON R	Pacific Telephone

1152 W COMPTON BLVD

Year	Uses	Source
1985	HARTLEY ROBERT E	Pacific Bell
	KITAOKA BRIAN	Pacific Bell
	MIKAWA DAN V	Pacific Bell
	ODANAKA ERICK J	Pacific Bell
	PIZZOLONGO BARRY	Pacific Bell
	TEAFORD WATSON	Pacific Bell
	UM BYUNG C	Pacific Bell
	WILLOTT MILLICENT	Pacific Bell
1980	BROMLEY JACK I	Pacific Telephone
	HIGAR H W	Pacific Telephone
	KOJIMA GEORGE	Pacific Telephone
	PATTI R	Pacific Telephone
1975	BOUMAN C P	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	HAGA HIDEJI	Pacific Telephone
	HIGAR H W	Pacific Telephone
	LINDSEY L E	Pacific Telephone
1971	Schade Erna	Pacific Telephone
1970	BARBERA SALVATORE	Pacific Telephone
	BROMLEY JACK I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	GREEN ALFRED I	Pacific Telephone
	GREEN FRANCES	Pacific Telephone
	HENDERSON JIM	Pacific Telephone
	KAWAOKA YOSHI	Pacific Telephone
	KOELLER JOHN L	Pacific Telephone
	LINDSEY L E	Pacific Telephone
	POLAN MICHAEL	Pacific Telephone
	SAITO TAKEO	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	SATO K	Pacific Telephone
	SCHADE ERNA	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
1967	Schade Erna	Pacific Telephone
1964	BELL EDW I	Pacific Telephone
	CHADDERTON MILTON	Pacific Telephone
	FLETCHER JOE W	Pacific Telephone
	KOPACK CHAS	Pacific Telephone
	MCKINNEY GILBERT V	Pacific Telephone
	RENSHAW WELDON L	Pacific Telephone
	SCHADE SIEGMUND	Pacific Telephone
	WHITCHER MASON B	Pacific Telephone
	WINN JAN	Pacific Telephone
	YOUNG BARBARA MRS	Pacific Telephone
	WINN TOM L	Pacific Telephone
	WOLLER G W	Pacific Telephone

1156 W COMPTON BLVD

Year	Uses	Source
1985	PACION EFREN F	Pacific Bell
1970	REDRO VECENTE	Pacific Telephone
1964	ORDWAY JAN	Pacific Telephone

1157 W COMPTON BLVD

Year	Uses	Source
1980	KOBAYASHI BOBBY K	Pacific Telephone
1975	NAGAI TAKEHIKO	Pacific Telephone
1970	EMI NORITAKA	Pacific Telephone
1964	LEITNER RONI J	Pacific Telephone
1962	Leitner Ronl J	Pacific Telephone
1960	LEITNER RONI J	Pacific Telephone
1958	Leitner Roni J	Pacific Telephone
1957	LEITNER RONIIJ	Pacific Telephone

1158 W COMPTON BLVD

Year	Uses	Source
1985	HOBY R G	Pacific Bell
1980	HOBY R G PLMBNG	Pacific Telephone
1975	HOBY R G PLMBNG	Pacific Telephone

Year	Uses	Source
1970	HOBY R G PLMBNG	Pacific Telephone
	HOBY R G	Pacific Telephone
	HOBY R G	Pacific Telephone
1964	HOBY R G PLMBNG	Pacific Telephone
1960	HOBY R G PLMBNG	Pacific Telephone
1957	HOBY RICHARD G	Pacific Telephone
1954	HOBY RICHARD G	R. L. Polk & Co.

1169 W COMPTON BLVD

Year	Uses	Source
1970	GORSHA STANLEY	Pacific Telephone
1964	FOWLER RAY	Pacific Telephone
1960	MCNABB ELLIOTT H	Pacific Telephone
1957	MCNABB EILIOTT H	Pacific Telephone

1218 W COMPTON BLVD

Year	Uses	Source
1985	SCHNEIDER DANIEL	Pacific Bell
1980	MAIN BOB	Pacific Telephone
1975	LYNSKEY JAS O	Pacific Telephone
1970	LYNSKEY JAS O	Pacific Telephone
1964	NIX MARIE L	Pacific Telephone
1960	NIX MARIE L	Pacific Telephone

1228 W COMPTON BLVD

Year	Uses	Source
1985	MONROE LESTER L	Pacific Bell
1970	MINAYA WILLAM	Pacific Telephone
1964	VAUGHAN W M	Pacific Telephone
1960	VAUGHAN W M	Pacific Telephone
1954	VAUGHAN W M	R. L. Polk & Co.

1234 W COMPTON BLVD

Year	Uses	Source
1985	IKE HELDE	Pacific Bell
1980	OKUMURA MITSUO	Pacific Telephone
	DANBARA LEE T	Pacific Telephone
	KAMIMURA KEITH	Pacific Telephone
1975	NGUYEN LUAN	Pacific Telephone
	GONZALES ENRIQUE	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	MOLINA BILLY R	Pacific Telephone
	MORILLO GWEN	Pacific Telephone

1238 W COMPTON BLVD

Year	Uses	Source
1980	PINE AMLULA F	Pacific Telephone
1976	Polk Robt S	Pacific Telephone
1975	POLK ROBT S	Pacific Telephone
1970	LAYTON EDW E	Pacific Telephone
1964	LAYTON EDW E	Pacific Telephone
1960	LAYTON EDW E	Pacific Telephone

1251 W COMPTON BLVD

Year	Uses	Source
1985	IWATA CLYDE	Pacific Bell
1970	QUIJADA ROBT D	Pacific Telephone

1257 W COMPTON BLVD

Year	Uses	Source
1976	Saito M H	Pacific Telephone
1971	Saito M H	Pacific Telephone
1970	SAITO M H	Pacific Telephone
1967	Saito M H	Pacific Telephone
1962	Saito M H	Pacific Telephone
1960	SAITO M H	Pacific Telephone
1957	SALTOL IN H	Pacific Telephone
1954	SAITO M H	R. L. Polk & Co.

1316 W COMPTON BLVD

Year	Uses	Source
1985	ROMERSHEUSER OTTO B	Pacific Bell
1970	ROMERSHEUSER OTTO B	Pacific Telephone
1964	BOWEN CECIL L	Pacific Telephone
1960	BOWEN CECIL L	Pacific Telephone
1954	BOWEN CECIL L	R. L. Polk & Co.

1328 W COMPTON BLVD

Year	Uses	Source
1985	MITCHELTREE WAYNE	Pacific Bell
1980	MITCHELTREE WAYNE	Pacific Telephone

Year	Uses	Source
1975	HAMASAKI MOTOE	Pacific Telephone
1970	HIGGINS ROBT O	Pacific Telephone
1964	HIGGINS ROBT O	Pacific Telephone
1960	HIGGINS ROBT O	Pacific Telephone
1957	HIGGINS ROBT O	Pacific Telephone
1954	DEASON CHAS BRYAN	R. L. Polk & Co.

1332 W COMPTON BLVD

Year	Uses	Source
1985	TAKAMORI HIDEYUKI	Pacific Bell
1970	TAKAMORI HIDEYUKI	Pacific Telephone
1964	TAKAMORI HIDEYUKI	Pacific Telephone
1958	Howard Evelyn	Pacific Telephone
1954	HOWARD CLINTON B	R. L. Polk & Co.

1339 W COMPTON BLVD

Year	Uses	Source
1985	CRUZ JOSE	Pacific Bell
1975	BRUEMMER IRMA	Pacific Telephone
	BRUEMMER DAVID	Pacific Telephone
1970	RUBI HOPE	Pacific Telephone
	RUBI JOE M	Pacific Telephone
1964	PEREGRIN JOS	Pacific Telephone
1957	CHRISTENSEN ANNA E	Pacific Telephone
1954	CHRISTENSEN ANNA E	R. L. Polk & Co.

1340 W COMPTON BLVD

Year	Uses	Source
1985	TAYLOR WAYNE A	Pacific Bell
1970	TAYLOR WAYNE A	Pacific Telephone
1964	TAYLOR WAYNE A	Pacific Telephone
1960	TAYLOR WAYNE A	Pacific Telephone
1957	TAYLOR WAYNE A	Pacific Telephone
1954	TAYLOR WAYNE A	R. L. Polk & Co.

1426 W COMPTON BLVD

Year	Uses	Source
1980	COBIAN MIGUEL U	Pacific Telephone
1975	SOUTHERN CALIFORNIA FIRST NATIONAL BANK	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Southern California Fence Co	Pacific Telephone
1970	SMYTHERS L G	Pacific Telephone
1964	SMYTHERS SAM	Pacific Telephone
1960	SMYTHERS SAM	Pacific Telephone
1957	SMYTHERS SAM	Pacific Telephone
1954	SMYTHERS SAM	R. L. Polk & Co.

1439 W COMPTON BLVD

Year	Uses	Source
1970	SEMON S STUDIO-CERAMICS	Pacific Telephone
1960	SEMONS STUDIO CERAMICS	Pacific Telephone
1957	SEMEN S STUDIO-CERAMICS	Pacific Telephone
1954	BOWLIN CHAS C	R. L. Polk & Co.

1447 W COMPTON BLVD

Year	Uses	Source
1985	TORRES JAVIER I	Pacific Bell
1980	HEMBREE EVELYN M	Pacific Telephone
1975	GARAY SALVADOR	Pacific Telephone
	CHAMKUNTHOD RENEE	Pacific Telephone
	AVILA ALICIA	Pacific Telephone
	AHN NEE JOE JR	Pacific Telephone
1970	PETERSEN JON	Pacific Telephone
	MUROKITA J N	Pacific Telephone
	LAVILLA REGINALD I	Pacific Telephone
	KURDIEH ISAAC M	Pacific Telephone
	DE NIO ANN	Pacific Telephone
	AHNEE JOE JR	Pacific Telephone
1964	YAMASAKI MICHIHARU	Pacific Telephone
	UWAHORI TED	Pacific Telephone
	UWAHORI SADAE	Pacific Telephone
	KALBERER LOLA	Pacific Telephone
	MACKEY MARVIN JR	Pacific Telephone
	KALBERER DON	Pacific Telephone
	FARNHAM MICHAEL	Pacific Telephone
	FARNHAM LINDA J	Pacific Telephone

FINDINGS

1451 W COMPTON BLVD

Year	Uses		Source
1985	SPENCER RALPH		Pacific Bell
	JONES C VAUGHN		Pacific Bell
	GOMEZ RICHARD		Pacific Bell
	MISHIMA MASARU		Pacific Bell
1980	MISHIMA MASARU		Pacific Telephone
	BAECHLER F N		Pacific Telephone
	JONES C VAUGHN		Pacific Telephone
	JACOBSON ISABELL M		Pacific Telephone
	GOMEZ RICHARD		Pacific Telephone
	BAECHLER F N		Pacific Telephone
1975	FRANKLIN FRANCES E		Pacific Telephone
1970	FRAZEUR LENORE A		Pacific Telephone
	FRANKLIN FRANCES E		Pacific Telephone
1964	FRAZEUR LENORE A		Pacific Telephone
1960	WHARTON DUANE F		Pacific Telephone
	RADWAY RUSSELL		Pacific Telephone
	LA BREE C A		Pacific Telephone
	GLABMAN DAVE		Pacific Telephone
	EDWARDS OREN G		Pacific Telephone
	EDWARDS BETTY		Pacific Telephone
1958	Ashbeck Sevact A		Pacific Telephone

851A W COMPTON BLVD

Year	Uses		Source
1990	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1986	JOYCE MAUREEN C ATTY	COMPTON	Pacific Bell
1985	JOYCE MAUREEN C ATTY		Pacific Bell
1981	JOYCE MAUREEN C ATTY	COMPTON	Pacific Telephone
1980	JOYCE MAUREEN C ATTY		Pacific Telephone
1975	CARTER PHILIP M ATTY		Pacific Telephone
	COMPTON LAW SCHOOL		Pacific Telephone
	LAWYER REFERENCE SERVICE OF SOUTH CENTRAL BAR ASSOCIATION		Pacific Telephone

905A W COMPTON BLVD

Year	Uses	Source
1990	CALLOWAY MONUMENT CO COMPTON	Pacific Bell

FINDINGS

Year	Uses	Source
1986	CALLOWAY MONUMENT CO COMPTON	Pacific Bell
1985	CALLOWAY HARRY	Pacific Bell
	CALLOWAY MONUMENT CO	Pacific Bell
1981	CALLOWAY HARRY COMPTON	Pacific Telephone
	CALLOWAY MONUMENT CO COMPTON	Pacific Telephone
1980	CALLOWAY HARRY	Pacific Telephone
	CALLOWAY MONUMENT CO	Pacific Telephone
1975	J & L SILK SCREEN	Pacific Telephone
1964	NOMIAS BEAUTY SALON	Pacific Telephone
1960	NOMIA S BEAUTY SALON	Pacific Telephone

1020A W COMPTON BLVD

Year	Uses	Source
1957	SIMPSON CARL A RL EST	Pacific Telephone

1021A W COMPTON BLVD

Year	Uses	Source
1950	DERRY DALER	Pacific Telephone

1029B W COMPTON BLVD

Year	Uses	Source
1960	DEWBERRY MARTHA E	Pacific Telephone
1957	EDDINGTON TED L	Pacific Telephone
1950	GENUNG JESSIE M R	Pacific Telephone

14181/2 W COMPTON BLVD

Year	Uses	Source
1957	VALLES EDW R	Pacific Telephone

14281/2 W COMPTON BLVD

Year	Uses	Source
1957	SHEAN WM	Pacific Telephone

1418 1/2 W COMPTON BLVD

Year	Uses	Source
1985	TERUKO IMAMOTO	Pacific Bell
1970	RAGON RONALD C	Pacific Telephone
1960	SHEAN WM	Pacific Telephone

FINDINGS

1438 1/2 W COMPTON BLVD

Year	Uses	Source
1985	MORENO RAFAEL	Pacific Bell
1970	PANDO MARTIN	Pacific Telephone

1448 1/4 W COMPTON BLVD

Year	Uses	Source
1970	GLEASON CATHERINE	Pacific Telephone
1954	DONALDSON GUY B	R. L. Polk & Co.

W MAGNOLIA

815 W MAGNOLIA

Year	Uses	Source
1986	JANUARY JAS COMPTON	Pacific Bell
1981	JANUARY JAS COMPTON	Pacific Telephone

821 W MAGNOLIA

Year	Uses	Source
1981	HAYES JAS COMPTON	Pacific Telephone
	HAYES JAS P COMPTON	Pacific Telephone

822 W MAGNOLIA

Year	Uses	Source
1990	PIERCE ROBT COMPTON	Pacific Bell

824 W MAGNOLIA

Year	Uses	Source
1990	PHILLIPS DEBORAH D COMPTON	Pacific Bell
1981	PHILLIPS DEBORAH D COMPTON	Pacific Telephone

921 W MAGNOLIA

Year	Uses	Source
1981	PITTS ANDREW COMPTON	Pacific Telephone

931 W MAGNOLIA

Year	Uses	Source
1981	CURL DENA E COMPTON	Pacific Telephone

1023 W MAGNOLIA

Year	Uses	Source
1990	RATCLIFF HOMER L COMPTON	Pacific Bell

Year	Uses	Source
1986	RATCLIFF HOMER L COMPTON	Pacific Bell
1981	RATCLIFF HOMER L COMPTON	Pacific Telephone

W MAGNOLIA ST

810 W MAGNOLIA ST

Year	Uses	Source
2001	CONWAYVarteta	Haines & Company, Inc.
1964	DAVIS MARY ELIZABETH	Pacific Telephone
1960	DAVIS MARY ELIZABETH	Pacific Telephone
1957	DAVIS MARY ELIZABETH	Pacific Telephone
1951	AKcnt M AMrb	Pacific Directory Co.
1950	KENT MAE A R	Pacific Telephone
1947	Kent M A Mrs	Pacific Directory Co.
1940	Kent G P	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

812 W MAGNOLIA ST

Year	Uses	Source
1964	CRUZ DELLA	Pacific Telephone
1960	CRUZ DELLA	Pacific Telephone
1940	Henderson Le Roy	Los Angeles Directory Co.
1931	Kesling Ernest	Los Angeles Directory Co.

814 W MAGNOLIA ST

Year	Uses	Source
1928	Morton J G	Los Angeles Directory Co.

815 W MAGNOLIA ST

Year	Uses	Source
2001	JANUARYJames	Haines & Company, Inc.
1985	JANUARY JAS	Pacific Bell
1980	JANUARY JAS	Pacific Telephone
1976	January Jas	Pacific Telephone
1975	JANUARY JAS	Pacific Telephone
1960	CUMMINS M K MISS	Pacific Telephone
1957	CUMMILNS M K MISS	Pacific Telephone
1954	CUMMINS M K MISS	R. L. Polk & Co.
1951	LPranz Theo R3	Pacific Directory Co.
1950	PRANZ THEO R	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Henry R C	Pacific Directory Co.

816 W MAGNOLIA ST

Year	Uses	Source
2001	GUTIERREZLUi	Haines & Company, Inc.
1985	WALTER ESSIE	Pacific Bell
1951	APries Fred R3	Pacific Directory Co.
1950	ORELLA WM J R	Pacific Telephone

821 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	HAYES JAMNES P	Pacific Telephone
1960	GRACE JOEL	Pacific Telephone

822 W MAGNOLIA ST

Year	Uses	Source
1985	PIERCE ROBT	Pacific Bell
1980	PIERCE ROBT	Pacific Telephone
1976	Pierce Robt	Pacific Telephone
1975	PIERCE ROBT	Pacific Telephone
1964	WAYFER GARNETT	Pacific Telephone
1960	WAFER ROBT	Pacific Telephone
1957	FICARA R5PUB ACCT	Pacific Telephone
	FICARA R S	Pacific Telephone
1954	FICARA R S PUB ACCT	R. L. Polk & Co.
	FICARA BILLIE MIMEOGRAPHING SERV	R. L. Polk & Co.
1951	ASturqcll H C S	Pacific Directory Co.
1950	STURGEIL HOUSTON C R	Pacific Telephone
1947	Sturgell H C	Pacific Directory Co.
1940	Crowder M J Mrs	Los Angeles Directory Co.
	Crowder G I	Los Angeles Directory Co.
1931	Yeoman	Los Angeles Directory Co.
1928	Smith C M	Los Angeles Directory Co.

823 W MAGNOLIA ST

Year	Uses	Source
2001	61 R An Ihony	Haines & Company, Inc.
1985	TURNER ALVIN	Pacific Bell

Year	Uses	Source
1980	DAWSON MARISA	Pacific Telephone
1960	YOUNGBLOOD CAPERS	Pacific Telephone
1957	YOUNGHLOOD CAPERS	Pacific Telephone

824 W MAGNOLIA ST

Year	Uses	Source
2001	PHILLIPSDeborahr	Haines & Company, Inc.
1985	PHILLIPS DEBORAH D	Pacific Bell
1980	PHILLIPS DEBORAH D	Pacific Telephone
1976	Phillips Deborah D	Pacific Telephone
1954	CAUGHTHRAN THEE D R	R. L. Polk & Co.
1951	ACaughthran T D	Pacific Directory Co.
1950	CAUGHTHRANTHEO D R	Pacific Telephone

825 W MAGNOLIA ST

Year	Uses	Source
2001	OUINTE 90 SWaslter	Haines & Company, Inc.
1960	RICHARDSON LYLE R	Pacific Telephone
1957	RICHARDSON LYLE	Pacific Telephone

826 W MAGNOLIA ST

Year	Uses	Source
1947	Under Construction	Pacific Directory Co.

827 W MAGNOLIA ST

Year	Uses	Source
2001	MALONESandra	Haines & Company, Inc.
1967	Setzer Jos	Pacific Telephone
1964	SETZER JOS	Pacific Telephone
1960	YORK ERVIN F	Pacific Telephone
1957	YORK ERVIN F	Pacific Telephone
1954	YORK ERVIN F MRS R	R. L. Polk & Co.
1951	AYork E F R3	Pacific Directory Co.
1950	YORK ERVIN F MRS R	Pacific Telephone

830 W MAGNOLIA ST

Year	Uses	Source
2001	SPUUDOMayra	Haines & Company, Inc.
1980	LATHON DARLENE	Pacific Telephone
	LATHON DARRYLL J	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	Chatmon Marie J	Pacific Telephone
1975	CHATMON MARIE J	Pacific Telephone
1960	FOWLIE MARIE	Pacific Telephone
1954	FOWLIE WM H	R. L. Polk & Co.
1951	Fowlie W H R3	Pacific Directory Co.
1947	Fowlie W H	Pacific Directory Co.

833 W MAGNOLIA ST

Year	Uses	Source
2001	CARRASCOTi Ifany	Haines & Company, Inc.
1985	MARTIN TOMMY PLUMBING CO	Pacific Bell
1980	MARTIN TOMMY PLUMBING CO	Pacific Telephone
1960	CAMERON JOHN G	Pacific Telephone
1957	CAMERON JOHN G	Pacific Telephone
1954	CAMERON JOHN G	R. L. Polk & Co.
1951	AJennison C R	Pacific Directory Co.

834 W MAGNOLIA ST

Year	Uses	Source
2001	JACKSONLrida	Haines & Company, Inc.
1957	SLIER EARL H	Pacific Telephone
1954	SLIER EARL H R	R. L. Polk & Co.
1951	ASiler E H	Pacific Directory Co.
1947	Siler E H	Pacific Directory Co.
1940	Angel J 3 R	Los Angeles Directory Co.
1931	Angel J R	Los Angeles Directory Co.

835 W MAGNOLIA ST

Year	Uses	Source
1960	ZARAGOZA TRINIDAD	Pacific Telephone
1957	GOMES MIKE	Pacific Telephone
1951	a Lambrer M M Mrs	Pacific Directory Co.
	Provenqhi Enrica Mrs	Pacific Directory Co.
1950	EVANS A R R	Pacific Telephone
1947	Evans A R	Pacific Directory Co.
1940	Tanner Chas jr	Los Angeles Directory Co.
1931	Eisiminger R L	Los Angeles Directory Co.
1928	Eisiminger R L	Los Angeles Directory Co.

FINDINGS

836 W MAGNOLIA ST

Year	Uses	Source
2001	ARALJOJosa	Haines & Company, Inc.
1964	ANDERSON ORA	Pacific Telephone
1960	ANDERSON ORA	Pacific Telephone
1957	COTTRELL ETHRAGE	Pacific Telephone
1954	EDWARDS FRANK	R. L. Polk & Co.
1951	AVandonbrook F A	Pacific Directory Co.
1950	VANDENBROOK FRED R	Pacific Telephone
1947	Vandenbrook F	Pacific Directory Co.
1940	Ho well C H	Los Angeles Directory Co.
1928	Angel J R	Los Angeles Directory Co.

840 W MAGNOLIA ST

Year	Uses	Source
1985	PRESCOTT BERNICE	Pacific Bell
1954	MVAYHALL J O	R. L. Polk & Co.
1951	AMayhall J	Pacific Directory Co.
1950	MYAILH J O R	Pacific Telephone

843 W MAGNOLIA ST

Year	Uses	Source
2001	VALLERYMaco	Haines & Company, Inc.
1980	LEE SHIRLEY	Pacific Telephone
1964	VALLERY MARCO G JR	Pacific Telephone
1960	VALLERY MARCO G JR	Pacific Telephone
1957	VALLERY MARCO0JR	Pacific Telephone
1954	L(EGLEY JAS J R	R. L. Polk & Co.
1951	AKeqley J J Ci	Pacific Directory Co.
1950	KEGLEY JASJ R	Pacific Telephone

845 W MAGNOLIA ST

Year	Uses	Source
2001	WALKER Edward	Haines & Company, Inc.
1985	TROTTER DAVID E	Pacific Bell
1980	JONES LILLIAN B	Pacific Telephone
1964	JONES LILLIAN B	Pacific Telephone
1960	JONES LILLIAN BERTAVIA	Pacific Telephone
	JONES FLORENCE LORRAINE	Pacific Telephone
1957	IJELLEY LAMAR M REV	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	KELLEY L LIV REV	R. L. Polk & Co.
1951	AWiso E A	Pacific Directory Co.
1950	WISE E A R	Pacific Telephone

846 W MAGNOLIA ST

Year	Uses	Source
2001	FOSTER Davd	Haines & Company, Inc.
1985	MCCLAIN ETTA	Pacific Bell
	MCCLAIN GEAO R	Pacific Bell
1980	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1975	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1964	MCCLAIN ETTA	Pacific Telephone
	MCCLAIN GEO R	Pacific Telephone
1957	LEERING CHAS M	Pacific Telephone
1954	JENKINS WM	R. L. Polk & Co.
1951	Jcnkins Wm	Pacific Directory Co.
	a Meyman John	Pacific Directory Co.
1947	Gibson F W	Pacific Directory Co.

901 W MAGNOLIA ST

Year	Uses	Source
1985	MAY L J	Pacific Bell
1975	MAY L J	Pacific Telephone
1964	MAY ELIZABETH	Pacific Telephone
	MAY L J REV	Pacific Telephone
1951	ASchrocdor H Mrs	Pacific Directory Co.
1950	SCHROEDER HELENA R	Pacific Telephone
1947	Schroeder Helena	Pacific Directory Co.
1940	Mc Knight Louise	Los Angeles Directory Co.
1931	Kerley Jos	Los Angeles Directory Co.

902 W MAGNOLIA ST

Year	Uses	Source
1995	Cleveland Helen J	Pacific Bell
1960	FRISCO ERVIN	Pacific Telephone
1954	HALL MAMIE	R. L. Polk & Co.
1951	Alrocor Louis	Pacific Directory Co.

Year	Uses	Source
1947	Milinkovich D T	Pacific Directory Co.
1940	Cantway Julia L	Los Angeles Directory Co.
1931	Coates Sog	Los Angeles Directory Co.
1928	Coucth J P	Los Angeles Directory Co.

905 W MAGNOLIA ST

Year	Uses	Source
2001	CRISTE Mooses	Haines & Company, Inc.
1995	Cristen Moises	Pacific Bell
1985	HENDERSON ENEZ	Pacific Bell
1980	HENDERSON ENEZ	Pacific Telephone
1975	HENDERSON ENEZ	Pacific Telephone
1960	SALAZAR JOE M	Pacific Telephone
1957	GANZALES ALEX V	Pacific Telephone
1951	Brown E MrsR	Pacific Directory Co.
1947	Brown C E Mrs	Pacific Directory Co.
1940	Vought B L	Los Angeles Directory Co.
1931	Mc Cowan L S	Los Angeles Directory Co.
1928	Force Ray	Los Angeles Directory Co.

W Magnolia St

906 W Magnolia St

Year	Uses	Source
2010	LAND MARK ELECTRIC	EDR Digital Archive

W MAGNOLIA ST

906 W MAGNOLIA ST

Year	Uses	Source
2001	MASON Soncene	Haines & Company, Inc.
1995	Parker Doris A	Pacific Bell
	Parker Doris A	Pacific Bell
1975	MCCARTY ALBERT	Pacific Telephone
1964	CARTER JOHN	Pacific Telephone
1960	CLARK ALVINUS	Pacific Telephone
1957	KROSNICKI HENRY	Pacific Telephone
1954	KROSNICKI HENRY	R. L. Polk & Co.
1951	AMelnick J M R3	Pacific Directory Co.
1950	MELNICKJOS MR	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Melnick J M	Pacific Directory Co.
1940	Flanders W A	Los Angeles Directory Co.
1931	Clark E M	Los Angeles Directory Co.

909 W MAGNOLIA ST

Year	Uses	Source
1964	BLANCO GEO	Pacific Telephone
1957	SALAZAR JOE N	Pacific Telephone
1954	FARRAN T J	R. L. Polk & Co.
1951	Egan Rob I	Pacific Directory Co.
	1/2 Vacant	Pacific Directory Co.
	1/2 Hall F C	Pacific Directory Co.
1947	Anderson Agnes	Pacific Directory Co.
	1/2 Dutton W R	Pacific Directory Co.
	Transient	Pacific Directory Co.
1940	Bovee Burdette	Los Angeles Directory Co.
	1/2 Anderson Agnes Mrs	Los Angeles Directory Co.
1931	Bovee Wm	Los Angeles Directory Co.
1928	3ovee Win	Los Angeles Directory Co.

910 W MAGNOLIA ST

Year	Uses	Source
2001	MARTINONLUz	Haines & Company, Inc.
1995	Flores Roman Juan	Pacific Bell
1954	FRIESEN C H	R. L. Polk & Co.
1951	AMc Clellan P D	Pacific Directory Co.
1950	MCCLELLAN P DR	Pacific Telephone
1947	Mc Clellan P D	Pacific Directory Co.
1940	Eckles T G	Los Angeles Directory Co.
1931	Pyle Ford	Los Angeles Directory Co.

913 W MAGNOLIA ST

Year	Uses	Source
2001	ACOSTAGodofledo	Haines & Company, Inc.
1980	BELL ALLEN	Pacific Telephone
1976	Bell Allen	Pacific Telephone
1975	BELL ALLEN	Pacific Telephone
1964	MCKINNEY RUTH	Pacific Telephone
1960	RAY GROVER C MRS	Pacific Telephone

Year	Uses	Source
1957	RAY GROVER C MRS	Pacific Telephone
1954	RAY GROVER C R	R. L. Polk & Co.
1951	ARay G C	Pacific Directory Co.
1947	Milinkovich D E	Pacific Directory Co.
1940	Bovee L M Mrs	Los Angeles Directory Co.
1931	Bovee L M Mrs	Los Angeles Directory Co.
1928	Maxwell J W	Los Angeles Directory Co.

914 W MAGNOLIA ST

Year	Uses	Source
2001	OIOARRACCarrn	Haines & Company, Inc.
1954	MORFORD RAY	R. L. Polk & Co.
1951	APhilpot E D	Pacific Directory Co.
1947	Ketcham L L	Pacific Directory Co.
1940	Ketcham L L	Los Angeles Directory Co.
1931	Allen Chas	Los Angeles Directory Co.

W Magnolia St

915 W Magnolia St

Year	Uses	Source
2010	INLAND BOATMAN	EDR Digital Archive

W MAGNOLIA ST

915 W MAGNOLIA ST

Year	Uses	Source
2001	SEUTTERFIELOMyron	Haines & Company, Inc.
1964	BROWN CURTIS	Pacific Telephone
1960	BROWN LOIS	Pacific Telephone
	BROWN CURTIS	Pacific Telephone
1957	ZEPEDA JESUS	Pacific Telephone
1954	ZEPEDA JESUS	R. L. Polk & Co.
1951	ATallcy C C S	Pacific Directory Co.
1950	TALLEY SIGN SENT	Pacific Telephone
1947	Maloy E G	Pacific Directory Co.

918 W MAGNOLIA ST

Year	Uses	Source
1995	Sood Sam Ashok	Pacific Bell

FINDINGS

Year	Uses	Source
1975	HENDERSON RALPH	Pacific Telephone
1954	BURGESS BERTHA	R. L. Polk & Co.

919 W MAGNOLIA ST

Year	Uses	Source
1962	AEROTOOL ENGINEERING CO	Pacific Telephone
1960	AEROTOOL ENGINEERING CO	Pacific Telephone

920 W MAGNOLIA ST

Year	Uses	Source
2001	STEPHENSDorothy	Haines & Company, Inc.
1995	Stewart Frances J	Pacific Bell
1985	STEWART FRANCES J	Pacific Bell
1980	FINE FRANCES J	Pacific Telephone
1975	FINE FRANCES J	Pacific Telephone
1964	FINE MARVEL L	Pacific Telephone
1960	FINE MARVEL L	Pacific Telephone
1957	FINE MARVEL L	Pacific Telephone
1954	FINE MARVEL L	R. L. Polk & Co.
1951	APontrolli J S	Pacific Directory Co.
1950	PONTRELLI JOE	Pacific Telephone

W Magnolia St

921 W Magnolia St

Year	Uses	Source
2010	ROBINSON INCOME TAX SERVICE	EDR Digital Archive

W MAGNOLIA ST

921 W MAGNOLIA ST

Year	Uses	Source
2001	P 11 TSE 1a	Haines & Company, Inc.
1985	PITTS NETTIE M	Pacific Bell
1980	PITTS ANDREW	Pacific Telephone
1975	PITTS ANDREW	Pacific Telephone
1960	MYATT GLEAN	Pacific Telephone
1951	Cobb Irene Mrs	Pacific Directory Co.
1947	Young W V	Pacific Directory Co.
1940	Kolstad H D	Los Angeles Directory Co.

Year	Uses	Source
1931	Kolstad H B	Los Angeles Directory Co.

924 W MAGNOLIA ST

Year	Uses	Source
2001	NIETOAntono	Haines & Company, Inc.
1960	POWELL JOE N	Pacific Telephone
1957	CONLEY NANCY E	Pacific Telephone
1954	FESLER HARRY D R	R. L. Polk & Co.
1951	AFeslor H D R3	Pacific Directory Co.

W Magnolia St

925 W Magnolia St

Year	Uses	Source
2014	ISAKE LOCKETT HOLLOWAY RN	EDR Digital Archive

W MAGNOLIA ST

925 W MAGNOLIA ST

Year	Uses	Source
2001	FRITZ Howard	Haines & Company, Inc.
1995	Fritz Howard	Pacific Bell
1985	FRITZ HOWARD	Pacific Bell
1980	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1975	FRITZ ANNIE L	Pacific Telephone
	FRITZ HOWARD	Pacific Telephone
1960	FRITZ HOWARD	Pacific Telephone
1957	FRITZ HOWARD	Pacific Telephone
1954	FRITZ HOWARD	R. L. Polk & Co.
1951	ADouqhcrty John R3	Pacific Directory Co.
1950	DOUGHERTY JOHN D R	Pacific Telephone

927 W MAGNOLIA ST

Year	Uses	Source
1995	Ordonez Castilio Isaac	Pacific Bell
1951	AFicara R S a	Pacific Directory Co.

FINDINGS

W Magnolia St

930 W Magnolia St

Year	Uses	Source
2014	MARISCAL LOGISTICS	EDR Digital Archive
2010	MARISCAL LOGISTICS	EDR Digital Archive

W MAGNOLIA ST

930 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZRosano	Haines & Company, Inc.
1964	SALDANA P M	Pacific Telephone
1960	SALDANA P N	Pacific Telephone
1957	SALDANA PM	Pacific Telephone
1954	ABSHER THOS C R	R. L. Polk & Co.
1951	AAbsher T C	Pacific Directory Co.
1950	ABSHER THOS C R	Pacific Telephone
1947	Absher T C	Pacific Directory Co.
1940	Absher T C	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.
1928	Kingsbury H L	Los Angeles Directory Co.

W Magnolia St

931 W Magnolia St

Year	Uses	Source
2010	JALISCO AUTO GLASS	EDR Digital Archive

W MAGNOLIA ST

931 W MAGNOLIA ST

Year	Uses	Source
1980	CURL DENA E	Pacific Telephone
1976	Hamd L W Jr	Pacific Telephone
1964	WILSON DOROTHY H	Pacific Telephone
1957	G CHAS M	Pacific Telephone
1954	KING CHAS M	R. L. Polk & Co.
1951	Mercill E C	Pacific Directory Co.

FINDINGS

934 W MAGNOLIA ST

Year	Uses	Source
1957	FORD ZELIA B	Pacific Telephone
1951	APowcrs R B R3	Pacific Directory Co.
1950	POWERS WILLARD L R	Pacific Telephone
1947	Powers R B	Pacific Directory Co.
1940	Powers R B	Los Angeles Directory Co.
1931	Benoit Chas	Los Angeles Directory Co.
1928	Benoit C C	Los Angeles Directory Co.

935 W MAGNOLIA ST

Year	Uses	Source
2001	C 00 ZINEAlbet	Haines & Company, Inc.
1985	CORZINE ALBERT J	Pacific Bell
1980	CORZINE ABOERT J	Pacific Telephone
1975	CORZINE ALBERT J	Pacific Telephone
1964	CORZINE ALBERT J	Pacific Telephone
1960	HEATLEY MARY G	Pacific Telephone
1954	COLLETTE JOHN P	R. L. Polk & Co.
	HEATLEY MARY C R	R. L. Polk & Co.
1951	AColelte G A	Pacific Directory Co.
1950	COLLETTE RUTH E R	Pacific Telephone
1947	Collette G A	Pacific Directory Co.
1940	Hamilton M T	Los Angeles Directory Co.
1931	Wilson J A	Los Angeles Directory Co.

936 W MAGNOLIA ST

Year	Uses	Source
2001	CHAVEZNaocy	Haines & Company, Inc.
1964	HARRIS CHAS	Pacific Telephone
1960	LAMB FRED W MRS	Pacific Telephone
	FRED W MRS	Pacific Telephone
1957	FRED W MRS	Pacific Telephone
1954	LAMB FRED W R	R. L. Polk & Co.
1951	ALamb F W R3	Pacific Directory Co.
1950	LAMB FRED W R	Pacific Telephone
1947	Bennett Frank	Pacific Directory Co.
1940	Leahy E G	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

937 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	COLLETTE RUTH E MRS	Pacific Telephone
1957	COLLETTE RUTH E MRS	Pacific Telephone
	COLLETTE GEO M	Pacific Telephone
1951	Collette F J	Pacific Directory Co.

940 W MAGNOLIA ST

Year	Uses	Source
2001	VAUGHNBemio	Haines & Company, Inc.
1964	HINES CLINTON	Pacific Telephone
1957	EADE RONALD	Pacific Telephone
1954	ABSHER GEO R	R. L. Polk & Co.
1951	AAbsher Geo	Pacific Directory Co.
1947	Edwards R H	Pacific Directory Co.
1940	Edwards Roy	Los Angeles Directory Co.
1931	Cameron Gordon	Los Angeles Directory Co.

941 W MAGNOLIA ST

Year	Uses	Source
2001	PATTERSO Ca lton	Haines & Company, Inc.
1964	JACKSON MILTON	Pacific Telephone
1960	JACKSON MILTON	Pacific Telephone
1958	Jackson Milton	Pacific Telephone
1957	JACKSON MILTON	Pacific Telephone
1954	PUBLISKY F O	R. L. Polk & Co.
1951	APublisky F R3	Pacific Directory Co.
1950	PUBIISKY F OR	Pacific Telephone

942 W MAGNOLIA ST

Year	Uses	Source
2001	YOUNG DIr	Haines & Company, Inc.
1995	Scott Kirk P	Pacific Bell
1985	SCOTT KIRK P	Pacific Bell
1960	SCOTT KIRK P	Pacific Telephone
1957	SCOTT KILIRK P	Pacific Telephone
1954	PRAZANT ADAM H	R. L. Polk & Co.
1951	APrazant A H R3	Pacific Directory Co.
1947	Prazant A H	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1940	Myers Matthew	Los Angeles Directory Co.
1931	Goody J S	Los Angeles Directory Co.

943 W MAGNOLIA ST

Year	Uses	Source
1947	Publisky F	Pacific Directory Co.

947 W MAGNOLIA ST

Year	Uses	Source
2001	HOLTJerna	Haines & Company, Inc.
1985	HOLT JENNIE WREN	Pacific Bell
1980	HOLT JENNIE WREN	Pacific Telephone
1975	HOLT LEROY	Pacific Telephone
1964	HOLT JEANNIE WREN	Pacific Telephone
	HOLT LEROY	Pacific Telephone
1957	HILIMAN LYDIA C	Pacific Telephone
1954	ANDERSON AGNES	R. L. Polk & Co.
1951	AKruso E J R3	Pacific Directory Co.
1950	KRUSE ERNEST J R	Pacific Telephone
1947	Kruse E J	Pacific Directory Co.
1940	Farley J W	Los Angeles Directory Co.
1931	Pfeifer B N	Los Angeles Directory Co.

948 W MAGNOLIA ST

Year	Uses	Source
2001	OPATERudolph	Haines & Company, Inc.
1985	PATE RUDOLPH DAVIS	Pacific Bell
1980	PATE RUDOLPH DAVIS	Pacific Telephone
1975	PATE RUDOLPH DAVIS	Pacific Telephone
1964	PATE RUDOLPH DAVIS	Pacific Telephone
1960	WILLIS ALBERT S	Pacific Telephone
1958	Willis Albert S	Pacific Telephone
1957	VWILLIS ALBERT S	Pacific Telephone
1954	WILLIS ALBERT S	R. L. Polk & Co.
1951	Vacant	Pacific Directory Co.
1947	Turner W D	Pacific Directory Co.
1940	Turner W D	Los Angeles Directory Co.
1931	Info Refused	Los Angeles Directory Co.

FINDINGS

1000 W MAGNOLIA ST

Year	Uses	Source
1980	CANNICK BLANCHE	Pacific Telephone
1976	Cannick Yvonne	Pacific Telephone
1975	CANNICK YVONNE	Pacific Telephone
1964	ELMORE D D	Pacific Telephone
1954	SINCLAIR CHAS	R. L. Polk & Co.
1951	Sinclair Chas S	Pacific Directory Co.

1001 W MAGNOLIA ST

Year	Uses	Source
1976	Harris Willie L Jr	Pacific Telephone
	Harris Crissie B	Pacific Telephone
1975	HARRIS CRISSIE B	Pacific Telephone
1960	FORSYTHE F B	Pacific Telephone
1957	FORSYTHE F B	Pacific Telephone
1954	ANDERSON HAROLD J	R. L. Polk & Co.
1951	ACarriker V G	Pacific Directory Co.
1950	CARRIKER VERNON GR	Pacific Telephone

1004 W MAGNOLIA ST

Year	Uses	Source
2001	FLORESMarc 6lio R	Haines & Company, Inc.
1991	Bean &Assoc	Pacific Bell
1957	BANULOS LUPE	Pacific Telephone

1005 W MAGNOLIA ST

Year	Uses	Source
2001	LAWSONClarce	Haines & Company, Inc.
1964	RIDDICK JAS	Pacific Telephone
	RIDDICK VELMA	Pacific Telephone
1960	RIDDICK VELMA	Pacific Telephone
1957	GRANT AUBREY L	Pacific Telephone
1954	MCTIGHE FRANCES MARY	R. L. Polk & Co.
	MCTIGHE THOS F	R. L. Polk & Co.
1951	AMc Tighe T J	Pacific Directory Co.

1006 W MAGNOLIA ST

Year	Uses	Source
2001	OARCIAAdolo	Haines & Company, Inc.
1995	Veterans Of Foreign Wars Ship 8310	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Orozco Alfonso	Pacific Bell
1985	BURTON JULIA M	Pacific Bell
1957	CRINER RAYMOND	Pacific Telephone

1008 W MAGNOLIA ST

Year	Uses	Source
2001	FRANCOBngrda	Haines & Company, Inc.
1995	Ramirez Brigida	Pacific Bell
1964	JOHNSON EDNA	Pacific Telephone
	BROWN LEE	Pacific Telephone

1019 W MAGNOLIA ST

Year	Uses	Source
2001	CULPEPPERJame	Haines & Company, Inc.
1960	SIMMS J D	Pacific Telephone
1958	Simms J D	Pacific Telephone
1957	SIMMS J D	Pacific Telephone
1954	GUSTAFSON IRVIN N R	R. L. Polk & Co.
1951	AGustafson I N	Pacific Directory Co.
1950	GUSTAFSON INRIN N R	Pacific Telephone

1022 W MAGNOLIA ST

Year	Uses	Source
2001	ROLDANFredy	Haines & Company, Inc.

1023 W MAGNOLIA ST

Year	Uses	Source
2001	RATCLI FFCloude Oe	Haines & Company, Inc.
1995	Ratcliff Homer L	Pacific Bell
1985	RATCLIFF HOMER L	Pacific Bell
1960	RAYFORD THOS L	Pacific Telephone
1951	ACrew R W	Pacific Directory Co.

1025 W MAGNOLIA ST

Year	Uses	Source
1957	TAYLOR RITER C	Pacific Telephone
1954	TAYLOR RITER C	R. L. Polk & Co.
1950	TAYLOR RITER C R	Pacific Telephone

FINDINGS

1029 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1030 W MAGNOLIA ST

Year	Uses	Source
2001	GOMEZJUIo	Haines & Company, Inc.

1034 W MAGNOLIA ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1036 W MAGNOLIA ST

Year	Uses	Source
1928	Compton Gardena Milling Co	Los Angeles Directory Co.

1055 W MAGNOLIA ST

Year	Uses	Source
1960	RIDDICK JAS	Pacific Telephone

1101 W MAGNOLIA ST

Year	Uses	Source
1958	LOS ANGELES COUNTY OF HEALTH DEPT	Pacific Telephone
	Burbank	Pacific Telephone

1104 W MAGNOLIA ST

Year	Uses	Source
1957	VAN OORT ROGER	Pacific Telephone

1106 W MAGNOLIA ST

Year	Uses	Source
1958	American Printing Co	Pacific Telephone

1118 W MAGNOLIA ST

Year	Uses	Source
1995	Briggs Joan Y	Pacific Bell

1121 W MAGNOLIA ST

Year	Uses	Source
1985	Alves W L Inc	Pacific Bell
	Alvestad Lonnie	Pacific Bell
1958	Marginator Co	Pacific Telephone

FINDINGS

1126 W MAGNOLIA ST

Year	Uses	Source
1995	Taylor Stephen	Pacific Bell

846A W MAGNOLIA ST

Year	Uses	Source
1960	HOLLON JACK	Pacific Telephone
1957	HOLLON JACK	Pacific Telephone

918B W MAGNOLIA ST

Year	Uses	Source
1960	BROWN ELLNORA MRS	Pacific Telephone
1957	BROWN ELLNORA MRS	Pacific Telephone

1008A W MAGNOLIA ST

Year	Uses	Source
1957	SIMS W T	Pacific Telephone

909 1/2 W MAGNOLIA ST

Year	Uses	Source
1964	PEEKS WM H	Pacific Telephone

W SCHOOL ST

901 W SCHOOL ST

Year	Uses	Source
2001	MULLEN Samuel	Haines & Company, Inc.
1951	ARussell W O	Pacific Directory Co.

903 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

904 W SCHOOL ST

Year	Uses	Source
2001	OROWNRIDGELeon	Haines & Company, Inc.

905 W SCHOOL ST

Year	Uses	Source
2001	SEPHRIAMMablean	Haines & Company, Inc.
1954	PACHECO JOSE G	R. L. Polk & Co.
1951	AWise Clarence	Pacific Directory Co.

FINDINGS

906 W SCHOOL ST

Year	Uses	Source
2001	BANTONOl Ire	Haines & Company, Inc.
1980	JOHNSON ERNEST C	Pacific Telephone
1975	BANTON OLLIE	Pacific Telephone

909 W SCHOOL ST

Year	Uses	Source
2001	MAROUEZMaxmi Oa	Haines & Company, Inc.
1954	GILLORY JAS A	R. L. Polk & Co.
1951	AJohnson L E	Pacific Directory Co.

910 W SCHOOL ST

Year	Uses	Source
2001	CIFUENTESWhiman	Haines & Company, Inc.
1985	SUNIA F	Pacific Bell
1928	Vacant	Los Angeles Directory Co.

912 W SCHOOL ST

Year	Uses	Source
1957	OROSCO AGAPITO	Pacific Telephone
1951	Hutton J C	Pacific Directory Co.
1940	Hutton Alma Mrs	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.

913 W SCHOOL ST

Year	Uses	Source
2001	CLAYTON Kalie	Haines & Company, Inc.
1985	CLAYTON CHAS	Pacific Bell
1980	CLAYTON CHAS	Pacific Telephone
1975	CLAYTON CHAS	Pacific Telephone
1964	HUFF MAE VESTER	Pacific Telephone
1960	HUFF MAE VESTER	Pacific Telephone
1957	HUFF MAE VESTER	Pacific Telephone
1951	Mc Laughlin Jack	Pacific Directory Co.

916 W SCHOOL ST

Year	Uses	Source
2001	WEBBLuaclle	Haines & Company, Inc.
1951	Wood WE	Pacific Directory Co.
1940	Wood W E	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1931	Wood W E	Los Angeles Directory Co.
1928	Vacant	Los Angeles Directory Co.

919 W SCHOOL ST

Year	Uses	Source
2001	MIDDLETONRobe IJ	Haines & Company, Inc.
1975	MIDDLETON DARAYE	Pacific Telephone
1960	HAMIC ALBERT	Pacific Telephone
1957	HAMIC ALBERT	Pacific Telephone
1951	AWeist Geo	Pacific Directory Co.
1950	WIEST MAE MRSR	Pacific Telephone
1940	Wiest A	Los Angeles Directory Co.
1931	Fawcett Ralph	Los Angeles Directory Co.

920 W SCHOOL ST

Year	Uses	Source
2001	FRAUSTOAntonra	Haines & Company, Inc.
1975	BROWN MARY JO	Pacific Telephone
	BROWN MARY JO	Pacific Telephone

921 W SCHOOL ST

Year	Uses	Source
2001	VILLARREALDaniel	Haines & Company, Inc.
1980	LUJANO JOSE G	Pacific Telephone
1951	ASmith L E	Pacific Directory Co.
1940	Loyd Osborn	Los Angeles Directory Co.
1931	Unobtainable	Los Angeles Directory Co.

922 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLLea	Haines & Company, Inc.
1960	DYER FOREST C	Pacific Telephone
1957	DYER FOREST C	Pacific Telephone
1954	DYER FOREST C R	R. L. Polk & Co.
1951	ADyer F C	Pacific Directory Co.
1950	DYER FOREST C R	Pacific Telephone

925 W SCHOOL ST

Year	Uses	Source
2001	ELACRUZHortencia	Haines & Company, Inc.

Year	Uses	Source
1975	LOPEZ ISIDORO	Pacific Telephone
1964	HARRISON LEO J	Pacific Telephone
	HARRISON DAISY MAE	Pacific Telephone

927 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	BALSZ LUZ	Pacific Bell
1980	BALSZ NICHOLAS R	Pacific Telephone
1975	BALSZ NICHOLAS R	Pacific Telephone

W School St

928 W School St

Year	Uses	Source
2014	RECOVER NOW SOBER LIVING LLC	EDR Digital Archive

W SCHOOL ST

928 W SCHOOL ST

Year	Uses	Source
2001	MITCHELLRickey	Haines & Company, Inc.
1985	BACOT LEOLA	Pacific Bell
1980	BACOT LEOLA	Pacific Telephone
1975	BACOT LEOLA	Pacific Telephone
1951	Nelson J E	Pacific Directory Co.

929 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1951	Basz Nicholas	Pacific Directory Co.
1940	Ledwell 3 J	Los Angeles Directory Co.
1931	Benson John	Los Angeles Directory Co.
1928	Bailey A S	Los Angeles Directory Co.

930 W SCHOOL ST

Year	Uses	Source
2001	RIGGSYolanda	Haines & Company, Inc.
1951	ACarter S D	Pacific Directory Co.

FINDINGS

931 W SCHOOL ST

Year	Uses	Source
2001	EVANS Roger	Haines & Company, Inc.
1980	EVANS ROBIN	Pacific Telephone
1951	Moore W H	Pacific Directory Co.

934 W SCHOOL ST

Year	Uses	Source
2001	RAMOSVlicor	Haines & Company, Inc.
1960	RAMOS VICTOR D	Pacific Telephone
1957	O VICTOR 0	Pacific Telephone
1954	RAMOS VICTOR D	R. L. Polk & Co.
1951	ATaylor H G	Pacific Directory Co.

935 W SCHOOL ST

Year	Uses	Source
1964	WATSON TRAVIS	Pacific Telephone
	WATSON FRANCIS	Pacific Telephone
1954	DEARY CARROLL I R	R. L. Polk & Co.
1951	ADeary C I	Pacific Directory Co.
1950	DEARY CARROLL I R	Pacific Telephone
1940	Deary C I	Los Angeles Directory Co.

937 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1957	JENKINS MYIRTLE A	Pacific Telephone

938 W SCHOOL ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	MITCHELL ERMA J	Pacific Bell
1980	DANSLER ELIJAH	Pacific Telephone
	MITCHELL ERMA J	Pacific Telephone
1975	GUZMAN RAYMOND	Pacific Telephone
1964	GUZMAN RAYMOND	Pacific Telephone
1951	Anderson D E	Pacific Directory Co.

940 W SCHOOL ST

Year	Uses	Source
2001	RSCKER Alfred	Haines & Company, Inc.

FINDINGS

941 W SCHOOL ST

Year	Uses	Source
2001	RODRIGUEZAISerlo	Haines & Company, Inc.
1951	Ringness Clara Mrs	Pacific Directory Co.

942 W SCHOOL ST

Year	Uses	Source
2001	CARRILLOVIcente	Haines & Company, Inc.
1951	Pinon M A	Pacific Directory Co.

945 W SCHOOL ST

Year	Uses	Source
2001	SROBINSON Ida	Haines & Company, Inc.

946 W SCHOOL ST

Year	Uses	Source
1985	RUCKER BETTY BEASLEY	Pacific Bell
1951	ABramson E L Mrs	Pacific Directory Co.

980 W SCHOOL ST

Year	Uses	Source
1957	BAUM PLASTIC CO	Pacific Telephone

1000 W SCHOOL ST

Year	Uses	Source
2001	COLLINSJanice	Haines & Company, Inc.
1954	SLATE CARL L	R. L. Polk & Co.
1951	Slate C L	Pacific Directory Co.

1006 W SCHOOL ST

Year	Uses	Source
2001	TATE Rbert	Haines & Company, Inc.
1960	SCOTT CLESSIE	Pacific Telephone
1951	ACarlson L H	Pacific Directory Co.

1013 W SCHOOL ST

Year	Uses	Source
2001	GARCl AAngelila	Haines & Company, Inc.
1957	YEAGER KATHERINE L	Pacific Telephone
1954	YEAGER KATHERINE L R	R. L. Polk & Co.
1951	Yeager K L Mrs	Pacific Directory Co.
1950	YEAGER KATHERINE L R	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
930 Compton Boulevard	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1000 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1000 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1003 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1004 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1005 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1011 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1011 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1013 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1015 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1016 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1018 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1019 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1019 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1020A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1021A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1022 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1023 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1023 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1025 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1026 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1027 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1028 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1029 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1029B W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1030 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1031 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1034 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1036 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1038 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1048 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1055 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1100 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1100 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1101 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1102 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1104 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1105 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W 151st St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1106 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1107 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1108 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1108 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
111 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1114 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1116 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1120 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1122 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1123 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1132 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1133 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1136 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1138 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1144 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1972, 1969, 1966, 1965, 1963, 1961, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 E 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1148 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1152 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1156 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1157 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1961, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1158 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1169 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1218 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1228 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1234 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1238 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1251 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1257 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1969, 1966, 1965, 1964, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1316 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1328 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1332 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1339 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1340 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14181/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
14281/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1438 1/2 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1439 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1447 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1448 1/4 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1451 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
153 S Dwight Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
157 DWIGHT AVE S	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
201 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
203 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
205 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 S Kemp Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
209 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
305 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
309 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N DWIGHT AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
313 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 N KEMP AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
810 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
814 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
816 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
821 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
822 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
823 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
825 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
826 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
827 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
830 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
833 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
834 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
835 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
836 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
840 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
843 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
845 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
846 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
846A W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
851A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
857 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
861 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
863 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
873 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
891 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
901 W Compton Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
905 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905A W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 1/2 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
909 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
913 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
913 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
917 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
918 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918B W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
921 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W 152nd St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
925 W Magnolia St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 W School St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
929 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 SCHOOL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W Magnolia St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W Magnolia St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
932 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
935 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
936 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
940 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
942 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
945 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
946 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
947 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
948 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
948 W MAGNOLIA ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
949 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
951 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
953 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
957 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
957 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
958 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
959 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
961 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
962 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
963 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
964 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
965 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
969 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
972 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
973 W 152ND PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
973 W ALMOND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 151ST ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
974 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
975 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
979 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
980 W SCHOOL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
981 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
982 W 152ND ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
983 W Compton Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
985 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
987 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
989 W Compton Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
995 W COMPTON BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix F AGENCY RECORDS

From: David Coscia
To: Jansen, Alicia
Subject: Public Records Request - 930 Compton Blvd, 90220
Date: Wednesday, April 11, 2018 10:33:00 AM

Hello Alicia

Per your request, County of Los Angeles Public Works has no records for this site.

Regards,

Mr. David Coscia
Program Manager II
Los Angeles County Public Works
(626) 458-3519

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

April 11, 2018

Alicia Jansen
STANTEC CONSULTING SERVICES
25864-F Business Center Drive
Redlands, CA 92374

930 COMPTON BLVD. AND W. COMPTON BLVD, COMPTON, CA
PR4-041018-7

Dear Ms. Jansen:

The Department of Toxic Substances Control has received your letter to review records under the Public Records Act.

After a thorough review of our files we have found that, no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available at each DTSC Regional File Room Office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5337.

Sincerely,

Julie Johnson

Julie Johnson
Regional Records Coordinator

RECEIVED
APR 16 2018

Printed on Recycled Paper

From: Negrini, Camille
To: Jansen, Alicia
Subject: 18-1479
Date: Monday, April 23, 2018 2:29:16 PM
Attachments: image001.png
image003.png

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: *(930 W Compton Blvd, Compton CA 90220)*

This search revealed that no records were found for the above noted address.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destoyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at *(310) 534-6270.*

Los Angeles County Fire Department
Health Hazardous Materials Division
Inspection Section / Southwest District
HHMD Website

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May 6, 2019
Project No. 1-0286

Attention: Ms. Kim Prijatel

Subject: **GEOTECHNICAL INVESTIGATION**
930 West Compton Boulevard
City of Compton, California.

References: See Appendix A

Dear Ms. Prijatel:

Presented herein is Alta California Geotechnical, Inc.'s (Alta) geotechnical investigation report for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing and review of the referenced reports.

Also included in this report are:

- Discussion of the site geotechnical conditions;
- Recommendations for remedial and site grading, including unsuitable soil removals;
- Geotechnical site construction recommendations;
- Preliminary foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

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1.0 INTRODUCTION

The following report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed residential development located at 930 West Compton Boulevard, in the City of Compton, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. The property is depicted on the enclosed Plate 1. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Review of the referenced literature, maps, reports and aerial photos (Appendix A);
- Site geologic mapping;
- Excavating, logging, and sampling five (5) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B);
- Conducting laboratory testing on samples obtained during our investigation (Appendix C);
- Performing an infiltration study on an additional boring, five (5) feet in depth, to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal;
- Conducting a liquefaction analysis;
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading, import soil, foundations and utilities;
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Existing Conditions

The property consists of a rectangular-shaped, 2.45± -acre parcel located at 930 West Compton Boulevard, in the City of Compton, California. Currently, the site is a vacant lot and is relatively flat. The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue.

A review of aerial photos (Historic Aerials, 2019) indicates that the lot was vacant up until the 1970s where it was graded for the construction of a hospital. The hospital was demolished around 2004 and the lot has remained vacant since.

2.2 Proposed Development

It is our understanding that site will be developed into a residential development to support 24 homes with associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements. Design cuts and fills onsite are anticipated to be five feet or less.

3.0 SITE INVESTIGATION

3.1 Current Subsurface Investigation

Alta conducted a subsurface investigation on April 18, 2019 consisting of the excavation, logging and select sampling of five (5) hollow-stem auger borings up to a maximum depth of 51.5 feet below the existing ground surface and the installation of one (1) five-foot deep well for infiltration testing. The locations of the exploratory excavations are shown on Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the site may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using one, five (5) foot-deep boring (P-1) as shown on Plate 1. The testing was performed on April 19, 2019 in general conformance with the County of Los Angeles for WQMP. The test well was presoaked for 24 hours prior to testing and the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate for P-1 is 0.13 inches per hour, with no factor of safety, as summarized in Table 3-1. Recommendations for infiltration BMP design are presented in Section 6.3.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)	
Test Designation	P-1
Approximate Depth of Test	5.0 ft
Final Time Interval	30 minutes
Radius of Test Hole	4 inches
Tested Infiltration Rate	0.13 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where major right-lateral active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on Alta's review of geologic literature and our subsurface investigation, the project site is underlain by undocumented artificial fills and young Quaternary alluvium. The geologic units are briefly described below.

4.2.1 Artificial Fill (Map symbol af)

Artificial fill was found in the upper two (2) to five (5) feet. It consists of light to dark brown, silty clay in a dry to moist, stiff condition, with some areas containing concrete cobbles up to 11 inches in diameter.

4.2.2 Young Quaternary Alluvium (Map symbol Qya)

Young Quaternary alluvium underlies the artificial fill which consist of light brown to brown, tan with some orange mottling, silty clay, clayey silt, sandy silt, sand, and silt in a moist, stiff to very stiff and medium

dense to dense condition. The unit was logged to a maximum depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings and Bryant (2010) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework the site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which the site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward to the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the Santa Ana sub-block, which is bound on the east by the Whittier-Elsinore fault zone and on the west by Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems, including the Whittier-Elsinore, the Newport-Inglewood, and the San Andreas, occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the onsite sediments are of Quaternary age, and are not fractured, folded, or faulted.

4.4 Groundwater

Groundwater was not encountered to a depth of 51.5 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is ten (10) feet below the ground surface (CDMG, 1998).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the Santa Ana sub-block, approximately 1.3 miles east of the Newport-Inglewood fault zone, 4.9 miles south west of the Puente Hills fault zone, 9.1 miles north 0f the Palos Verdes fault zone, 11.3 miles south of the Elysian Park fault zone, and 13.1 miles southwest of the Whittier-Elsinore fault zone.

4.5.2 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2016 California Building Code requires use-modified spectral accelerations and velocities for most structural designs.

Seismic design parameters using soil profile types identified in the 2016 California Building Code are presented in Section 7.3.

4.5.3 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated Alquist-Priolo earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically-induced ground shaking.

Groundwater was not encountered during our subsurface investigation at a depth approximately 51.5 feet below the ground surface. The regional groundwater map indicates that the historic-high groundwater level is 10 feet below the ground surface (CDMG, 1997). The site is located in a liquefaction zone per the seismic hazard maps (CDMG, 1997).

Alta performed a liquefication analysis utilizing data from the hollow-stem auger borings and laboratory test results to analyze the liquefaction

potential of the young Quaternary alluvium. A description of Alta's analysis and calculations are presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking.

- **Loss of Bearing:**

  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**

  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  There were no layers within 32 feet of the existing ground surface with $(N1)_{60}$ values less than 15 that are susceptible to liquefaction. As such, it is our opinion that the potential for lateral spread to occur onsite is considered minimal upon the completion of remedial grading.

- **Settlement:**

  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand

particles. Our liquefaction analysis was performed utilizing SPT from the hollow-stem auger borings and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. The calculations indicated that the potential amount of dynamic settlement is less than 1-inch. Dynamic settlement design recommendations are presented in Section 7.1.

- **Flow Failure:**

  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered low.

4.5.4 Dry Sand Settlement

Dry sand settlement is the process of settlement of the ground surface during a seismic event in sand layers. Based on the remedial grading recommendations, the density and fines content of the underlying young alluvium, dry sand settlement is not anticipated to be a significant constraint.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) and in-place moisture/density results are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigation, it is our opinion that the majority of the onsite materials possess favorable excavation characteristics such that conventional earthmoving equipment can be utilized.

5.1.2 Compressibility

The onsite artificial fill and upper portions of the young alluvium are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the artificial fill and upper portions of young alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B. These soils may need to be dried or mixed with drier materials before placing them as engineered fill, as noted in Section 6.2.6.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, and/or irregular loading patterns.

Based on our laboratory testing (Appendix C), the potential for hydro-collapse onsite is minimal and should be within foundation tolerances upon the completion of the recommended unsuitable soils removals.

5.1.5 Expansion Potential

Expansion index testing was performed on a sample taken during our subsurface investigation. Based on the results, it is anticipated that the

majority of materials onsite are "medium" to "high" in expansion potential (51≤EI≤130, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Artificial Fill/Young Quaternary Alluvium	Shrink 4% to 6%	5%

5.1.7 Chemical Analyses

Chemical testing was performed on a sample of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Class S0) per ACI 318-14.

Negligible chloride levels were detected in the onsite soils (Appendix C). Resistivity testing conducted as part of this investigation, indicates that the soils are "severely corrosive" to buried metals (per Romanoff, 1989). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Compton criteria.

6.1.1 Site Preparation

Vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Los Angeles Department of Health Services.

Existing concrete from the demolition of the hospital should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a

maximum size of six (6) inches. Prior to placement as engineered fill, any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

6.1.2 Unsuitable Soil Removals

The artificial fill and the upper portions of the young alluvium are compressible and as such, are not suitable to support the proposed structures. Therefore, it is anticipated that, on average, the upper three (3) to six (6) feet of existing soils will require removal and recompaction, extending a minimum of five (5) feet horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet of natural soils is recommended (all artificial fill should be removed and recompacted). For cuts greater than two (2) feet in street areas, removals are not required. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils such as undocumented artificial fill are exposed upon the completion of the removals recommended above, additional removals may be required.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type equipment.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater will not be encountered during construction. It is possible that perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of the compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Types "B" and "C" per OSHA standards. Upon completion of the recommended removals and re-compaction, the artificial fill will be classified as Soil Type "B". It is anticipated that perched water will not be encountered during excavation. The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

6.2.10 Backcut Stability

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary instability, either on or offsite, further restrictions such as slot cutting, extending work days, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Storm Water Infiltration Systems

Municipalities have been increasing the requirement for onsite storm water infiltration, rather than allowing water to enter storm drain systems. From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rate for P-1 was calculated to be 0.13-inches per hour, at approximately 5-feet below the existing ground surface. The results do not include a factor of safety. Given the characteristics of the underlying soil, in our opinion, deeper testing would not result in higher rates.

Groundwater was not encountered during our subsurface investigation at a depth of 51.5 feet below the existing ground surface. The historic-high groundwater is 10 feet below the ground surface (CDMG, 1998).

Given the low infiltration rate, high in-situ moisture content and fine-grained nature of the underlying soil, infiltration WQMP systems are likely not feasible at the subject site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.4 Boundary Conditions

The site is bounded to the north by West Compton Boulevard, to the east by Kemp Avenue, to the south by 151st Street, and to the west by Dwight Avenue. Construction of retaining/screen walls in these areas may require additional

geotechnical recommendations concerning unsuitable soil removals and foundation design parameters as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story, wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess "medium" to "high" expansion potential when tested in general accordance with ASTM Test Method D: 4829. Due to the expansion potential, it is anticipated that post-tensioned slabs will be utilized for the project.

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement - 0.5 inches in 40 feet Dynamic Settlement - 0.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-3. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2016 CBC.

TABLE 7-3
POST-TENSION SLAB DESIGN PARAMETERS

Category	Expansion Potential	Minimum Embedment*	Edge Lift		Center Lift	
			Em (ft)	Ym (inch)	Em (ft)	Ym (inch)
II	Medium	18 inches	5.0	1.10	9.0	0.46
III	High	24 inches	4.5	1.58	9.0	0.65
Slab Subgrade Moisture						
Category II	Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete					
Category III	Minimum 130% of optimum moisture to a depth of 18 inches prior to pouring concrete					
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, the minimum embedment depths can be reduced to 12-inches for Category II and 18-inches for Category III.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic

membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site has been identified as "D" site class in accordance with section 1613.3.2 of the CBC 2016. Utilizing this information, the computer program ATC Hazards by Location and ASCE 7-10 criterion, the spectral response accelerations that can be utilized for the project are presented on Figure 1. These parameters should be verified by the structural engineer. Additional parameters should be determined by the structural engineer based on the Occupancy Category of the proposed structures.

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

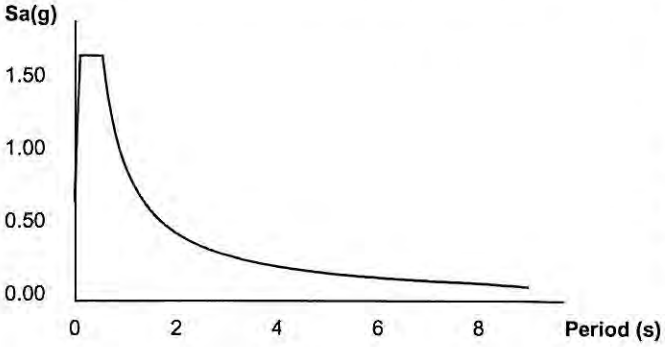
7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

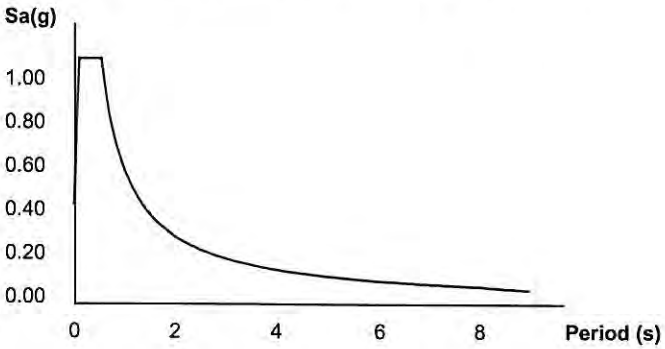
Search Information

Address:	930 W Compton Blvd, Compton, CA 90220, USA
Coordinates:	33.895486, -118.24094000000002
Elevation:	83 ft
Timestamp:	2019-04-30T19:17:15.204Z
Hazard Type:	Seismic
Reference Document:	ASCE7-10
Risk Category:	II
Site Class:	D

MCER Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S_S	1.682	MCE_R ground motion (period=0.2s)
S_1	0.616	MCE_R ground motion (period=1.0s)
S_{MS}	1.682	Site-modified spectral acceleration value
S_{M1}	0.924	Site-modified spectral acceleration value
S_{DS}	1.122	Numeric seismic design value at 0.2s SA
S_{D1}	0.616	Numeric seismic design value at 1.0s SA

▾Additional Information

Name	Value	Description
SDC	D	Seismic design category
F_a	1	Site amplification factor at 0.2s
F_v	1.5	Site amplification factor at 1.0s
CR_S	0.986	Coefficient of risk (0.2s)
CR_1	1.002	Coefficient of risk (1.0s)
PGA	0.623	MCE_G peak ground acceleration
F_{PGA}	1	Site amplification factor at PGA

FIGURE 1

7.6 Retaining Wall Design

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Based on the fine-grained nature of the soils onsite, it is anticipated suitable free-draining backfill material will need to be imported to the site. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-3 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-3
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2016 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $21H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2016 CBC.

- Restrained retaining walls should be designed for "at-rest" conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case by case basis.

7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

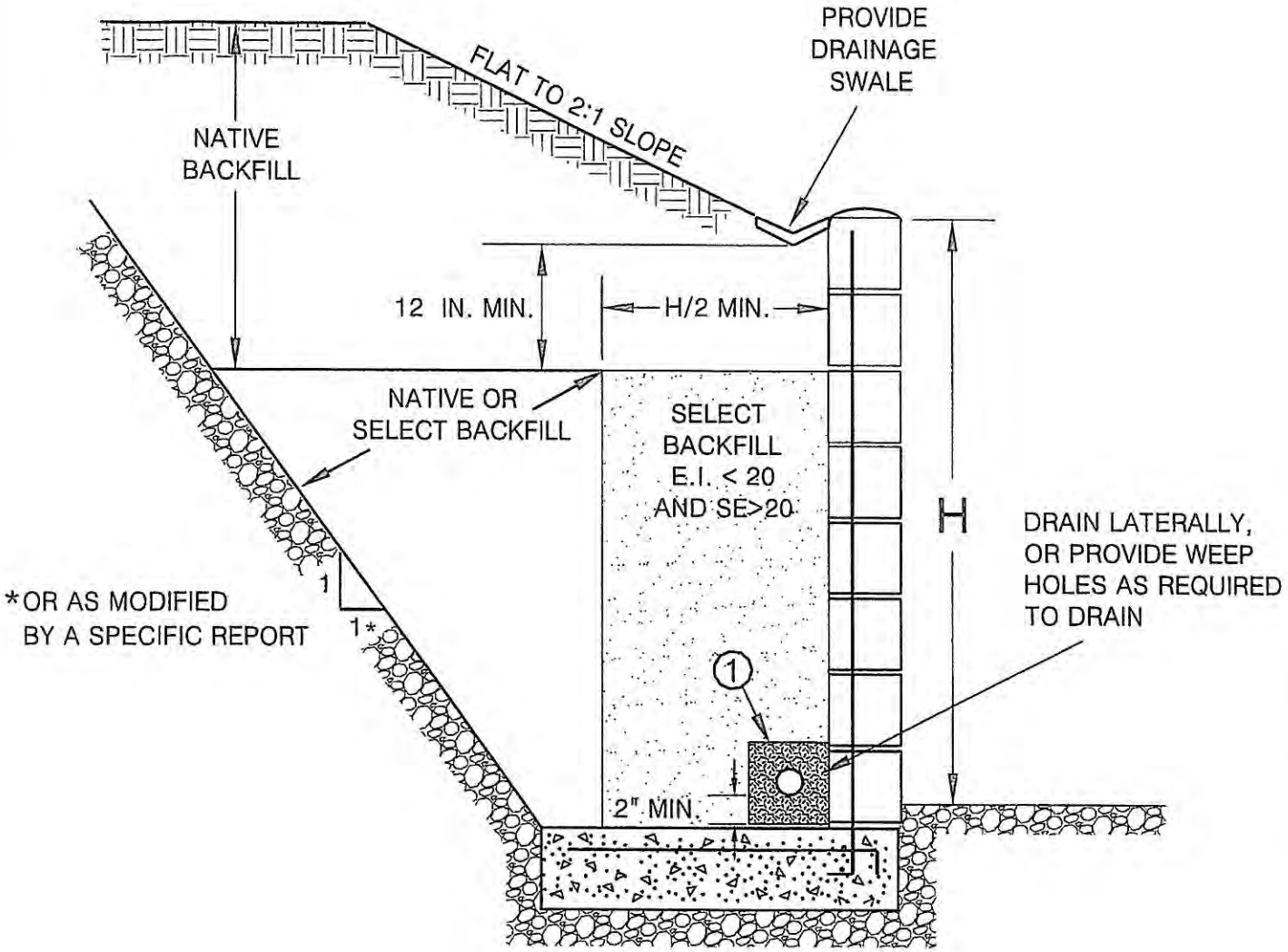
7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 120 percent of optimum moisture (medium expansion) or a

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

minimum of 130 percent of optimum moisture (high expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as medium in expansion potential with possible amounts of high expansive soil. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium or high expansive soils. Given the expansion potential, consideration should be given to reinforcing concrete flatwork with a minimum of 6x6-W1.4xW1.4 welded wire mesh.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils. Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 10, the pavement may be designed utilizing the sections presented in Table 7-4. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Compton's purview.

Table 7-4 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 10-inch AB	4-inch AC on 7-inch AB
5.5	3-inch AC on 11-inch AB	4-inch AC on 8.5-inch AB
6.0	3.5-inch AC on 11.5-inch AB	4-inch AC on 10.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Compton. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. The following recommendations should be implemented.

8.1 Lot Drainage

Roof, pad and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Owners should be made aware that they are responsible for maintenance and cleaning of

all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Residents or owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this

report. If the project description or final design varies from that described herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

References

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling five (5) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate locations of the exploratory excavations are shown on Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Ring Samples 2. Bulk Samples	1. Ring-Select Depths 2. Bulk-Select Depths

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200 | 40 | 10 | 4

CLEAR SQUARE SIEVE OPENINGS: 3/4" | 3" | 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	Sieve Analysis
SA	Maximum Density
MAX	Resistance (R) Value
RV	Expansion Index
EI	Sand Equivalent
SE	Atterberg Limits
AL	Chemical Analysis
CHEM	Hydrometer Analysis
HY	

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @ 0.5 ft. dark brown, moist.				
	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 3.5 ft. brown.	19.7	102	84	
5		R	38		ML	@ 5.0 ft. CLAYEY SILT, light tan brown to brown, moist, very stiff, trace gravel up to 1/4" in diameter.	20.0	104	89	
	75	R	38			@ 7.5 ft. brown.	18.3	111	99	
10		R	53			@ 10.0 ft. brown w/ mottled light tan.	19.0	108	94	
	70									
15		R	36			@ 15.0 ft. light brown.	16.3	103	72	
					CL	@ 16.0 ft. SILTY CLAY, brown w/light tan mottling, very stiff, few gravel up to 3/4" in diameter.				
	65									
20		R	42		ML	@ 20.0 ft. CLAYEY SILT, light brown tan, moist, very stiff.	21.8	102	94	
	60									
25		S	6,8,10			25.0 ft. brown.				
	55									
30		S	5,8,11							
	50									
35		S	8,10,13							
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	11,17,18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya); Continued: @ 41.0 ft. SILTY CLAY, brown, moist, very stiff.				
40										
45		S	18,21,30		SP	@ 45.0 ft. SAND, fine to medium grained, white tan, slightly moist, very dense.				
35										
50		S	21,33,37			@ 50.0 ft. moist.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry stiff, w/roots, few gravel up to 1/2" in diameter. @ 0.5 ft. dark brown, moist, concrete cobbles up to 7" in diameter.				
	80	R	16				14.3	116	89	
		B								
5		R	34		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	13.0	120	92	
	75									
10		R	71		ML	@ 10.0 ft. CLAYEY SILT w/SAND, white/orange brown, moist, very stiff.	12.0	120	84	HY, AL
	70									
15		R	38			@ 15.0 ft. slightly moist, brown.	21.3	105	99	
	65									
20		R	35			@ 20.0 ft. light orange brown, moist, stiff.	18.9	105	86	
	60									
25		S	5,9,12							
	55									
30		S	6,7,13		ML	@ 30.0 ft. SILT, light brown, moist, stiff, few clay.				
	50									
35		S	7,13,20			@ 35.0 trace gravel up to 1/4" in diameter.				
	45									
						Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-2
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	15,15,15		SC	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; CLAYEY SAND, brown, moist, very stiff.				
40										
45		S	10,10,15		ML	@ 45.0 CLAYEY SILT, brown, moist, very stiff. @ 46.5 ft. gray brown.				
35										
50		S	5,10,12			TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80	R	13				16.1	110	84	
5		R	22		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY w/SAND, brown to dark brown, slightly moist, stiff. @ 6.0 ft. brown.	17.6	112	98	CON, HY
	75	R	80			@ 7.5 ft. brown w/tan mottling.	15.3	112	84	CON, HY
					ML	@ 8.5 ft. CLAYEY SILT, tan, moist, very stiff.				
10		R	60			@ 10.0 ft. light brown w/tan mottling.	13.3	120	92	
	70									
15		R	19				18.6	103	82	
	65									
20		R	24			@ 20.0 ft. brown w/orange mottling.	19.9	105	91	
	60									
25		S	6,8,10		CL	@ 25.0 ft. SILTY CLAY, brown, moist, stiff.				HY, AL
	55									
30		S	7,7,10							
	50									
35		S	9,15,14		ML	@ 35.0 ft. CLAYEY SILT, brown, w/orange mottling, moist, very stiff.				
	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd	BORING DESIG.	B-3
DATE STARTED	4/18/19	GROUND ELEV.	83	LOGGED BY	FR
DATE FINISHED	4/18/19	GW DEPTH (FT)		NOTE	
DRILLER	2R Drilling	DRIVE WT.	140 lbs.		
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	10,10,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, stiff, few clay.				
					SP	@ 41.5 ft. SAND, fine to medium grained, light brown, medium dense, few silt.				
	40									
45		S	19,31,25							
	35									
50		S	3,6,10		ML	@ 50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
0	83	B			CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist, concrete cobbles up to 1' in diameter				MAX, EI, HY, CHEM
5	80	R	18		CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown, moist, stiff, trace gravel up to 1/4" in diameter.	16.1	114	95	
10	75	R	38		ML	@ 10.0 ft. CLAYEY SILT, light tan, moist, very stiff.	18.1	102	77	
15	70	R	31			@ 15.0 ft. brown, very stiff.	23.1	100	95	
20	65	R	26		CL	@ 20.0 ft. SILTY CLAY, brown w/orange mottling, moist, very stiff.	18.4	107	89	
25	60	S	3,7,9			@ 25.0 ft. stiff.				
30	55	S	4,6,9			@ 30.0 ft. trace gravel up to 1/4" in diameter.				
35	50	S	9,14,16		ML	@ 35.0 ft. CLAYEY SILT, brown, moist, very stiff.				
45	45					Continued.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-4
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	13,15,16		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown, moist, very stiff, fine grained sand.				
	40									
45		S	13,17,21			@ 45.0 ft. more sand.				
	35									
50		S	3,6,10		ML	@50.0 ft. CLAYEY SILT, gray brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- [R] RING (DRIVE) SAMPLE
- [S] SPT (SPLIT SPOON) SAMPLE
- [B] BULK SAMPLE [T] TUBE SAMPLE

▼ GROUNDWATER
► SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-4

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter.				
	80					@0.5 ft. dark brown, moist.				
5		R	15		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): CLAYEY SILT, light tan, slightly moist, stiff.	11.6	105	53	
	75									
10		R	58			@ 10.0 ft. light brown.	18.7	106	88	
	70									
15		R	33			@ 15.0 ft. brown w/tan mottling, very stiff.	21.7	104	97	
	65									
20		R	33				19.7	105	90	
	60				ML	@ 21.0 ft. SILT, orange brown, moist, very stiff.				
25		S	5,6,9		ML	@ 25.0 ft. CLAYEY SILT, brown, moist, stiff.				
	55									
30		S	5,7,9			@ 30.0 ft. orange brown.				
	50									
35		S	7,11,14							
	45					Continued.				

SAMPLE TYPES:
R RING (DRIVE) SAMPLE
S SPT (SPLIT SPOON) SAMPLE
B BULK SAMPLE T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	B-5
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
		S	4,6,14		ML	**YOUNG QUATERNARY ALLUVIUM** (Qya): Continued; SANDY SILT, brown w/orange mottling, moist, stiff, few clay.				
40										
45		S	6,8,12		CL	@ 45.0 ft. SILTY CLAY, brown, moist, stiff.				
35										
50		S	7,10,13		ML	@ 50.0 ft. CLAYEY SILT, brown, moist, stiff.				
						TOTAL DEPTH 51.5 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-5

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0286	PROJECT NAME	930 W Compton Blvd		
DATE STARTED	4/18/19	GROUND ELEV.	83	BORING DESIG.	P-1
DATE FINISHED	4/18/19	GW DEPTH (FT)		LOGGED BY	FR
DRILLER	2R Drilling	DRIVE WT.	140 lbs.	NOTE	
TYPE OF DRILL RIG	8" Hollow-Stem	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
					CL	**ARTIFICIAL FILL** (af): SILTY CLAY w/SAND, light brown, dry, stiff, w/roots, few gravel up to 3/4" in diameter. @0.5 ft. dark brown, moist.				
	80									
					CL	**YOUNG QUATERNARY ALLUVIUM** (Qya): SILTY CLAY, brown to dark brown, moist, stiff. @ 4.0 ft. brown.				
5						TOTAL DEPTH 5.0 FEET. NO GROUNDWATER ENCOUNTERED. NO CAVING OBSERVED.				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0286 PLATE B-6

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk sample was evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively "undisturbed" soil samples at their natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

compression to the original 1-inch height. The consolidation test results are shown on Plates C-1 and C-2.

Atterberg Limits

Atterberg limit testing of two samples was performed by Alta. The results of these tests are presented on Table C.

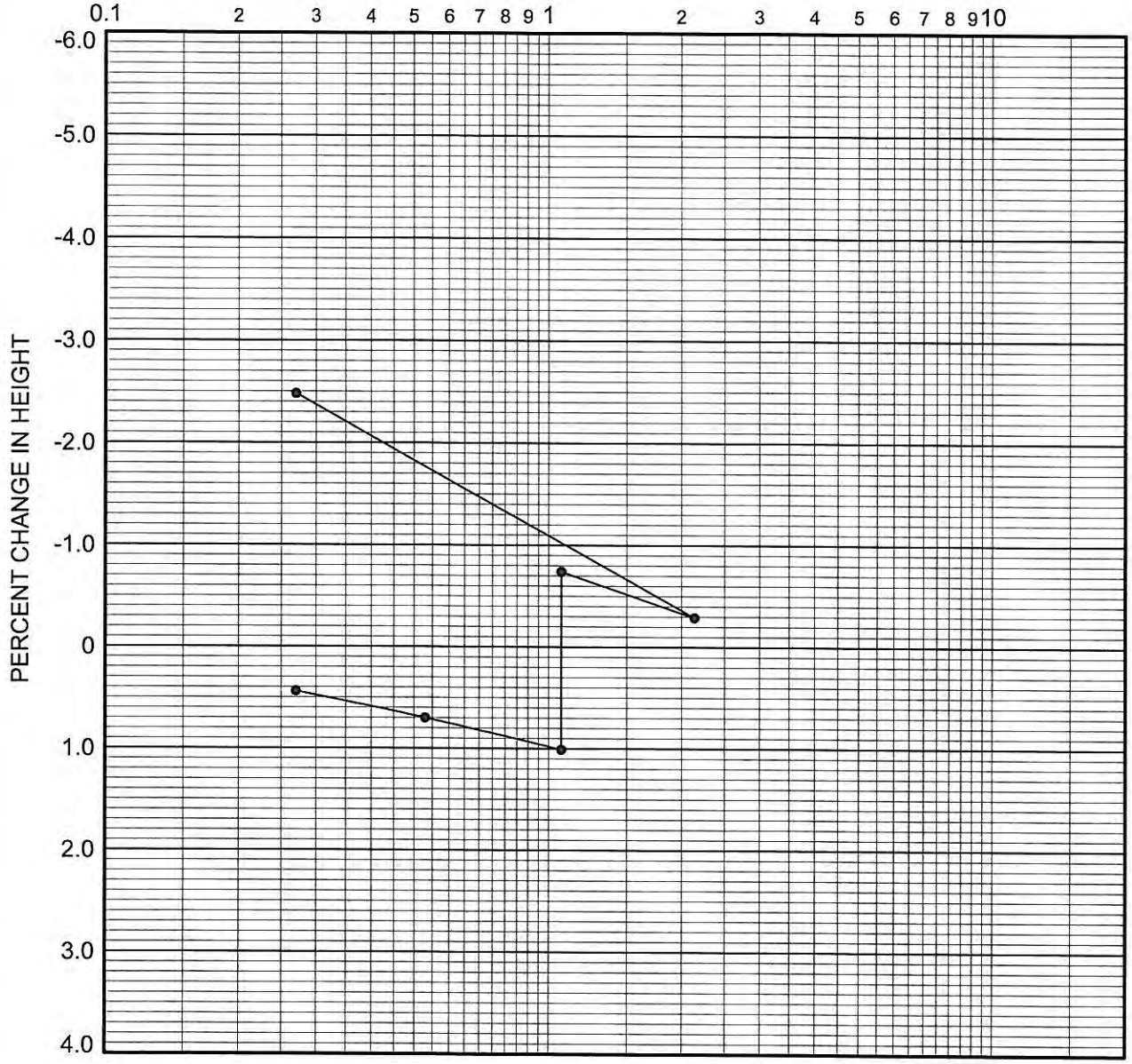
Chemical Analyses

Chemical testing of selected samples was performed by Alta. The results of these tests are presented in Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0286

Boring/Pit No.	Depth (Feet)	Soil Description	Group Symbol - Unified Soil Classification System	Maximum Dry Density		Direct Shear	Grain Size Analysis				Expansion Index	Sulfate Content (%)	Consolidation	Other Tests Remarks
				Maximum Density (pcf)	Optimum Moisture (%)		Gravel (% + No. 4 Screen)	% Sand	%Silt (0.074 to 0.005mm)	% Clay (-0.005 mm)				
B-2	10	Clayey Silt w/Sand (Qya)	ML				0	26	41	33				LL=31 PL=18 PI=13
B-3	5	Silty Clay w/Sand (Qya)	CL				0	32	28	40			See Plate C-1	
B-3	7.5	Silty Clay (Qya)	CL				1	17	40	42			See Plate C-2	
B-3	25	Silty Clay (Qya)	CL				0	4	43	53				LL=47 PL=26 PI=21
B-4	2-5	Silty Clay w/Sand (af)	CL	122.9	12.3		1	23	37	39	83	ND		Min. Resistivity - 950 OHM-CM Chloride - 10ppm PH - 7.4

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	5.0	112	17.6	98	68	CL	Silty Clay w/Sand (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

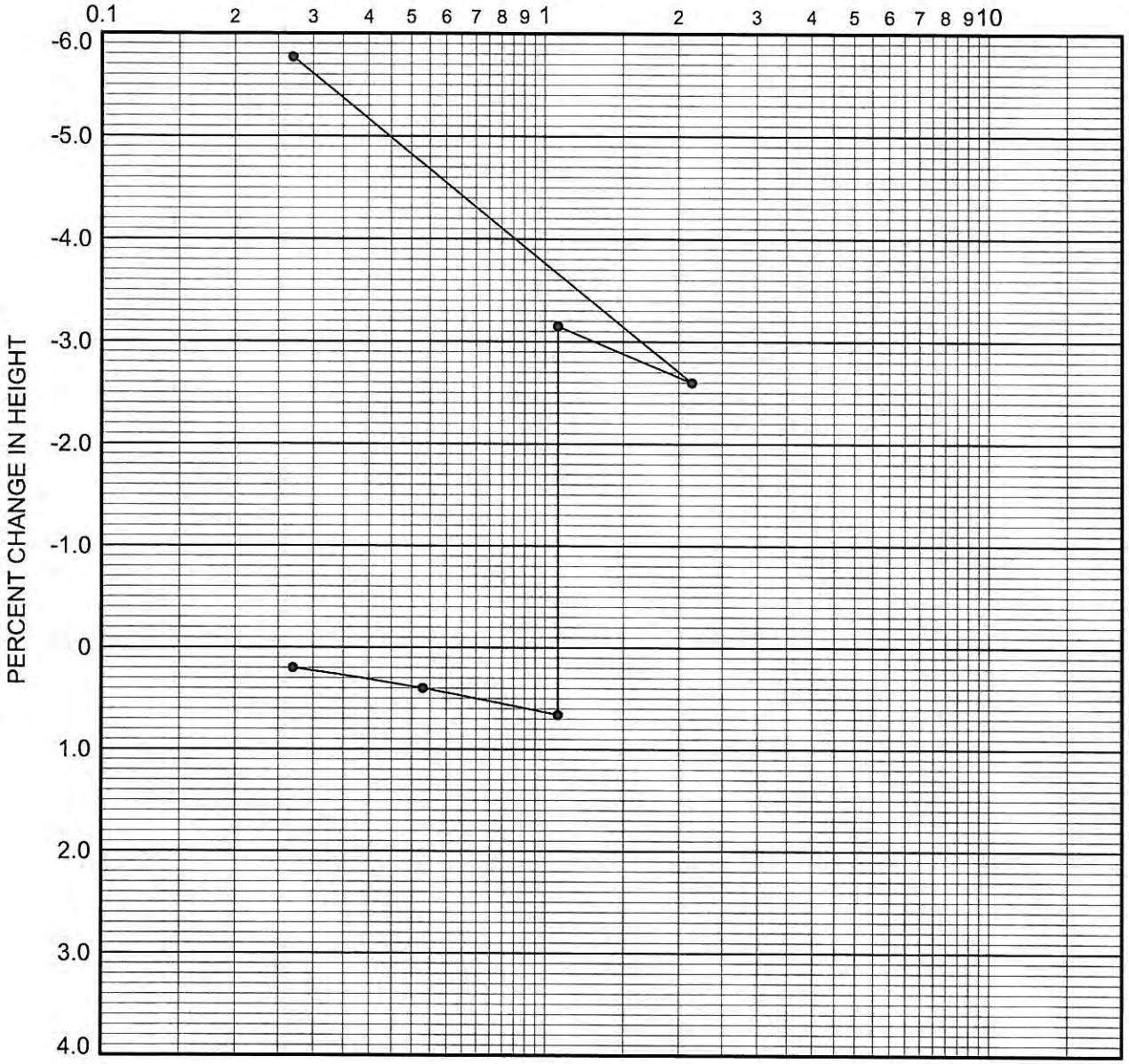
CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-1

COMPRESSIVE STRESS IN TSF



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-3	7.5	112	15.3	84	82	CL	Silty Clay (Qya)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0286

PLATE C-2

Appendix D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

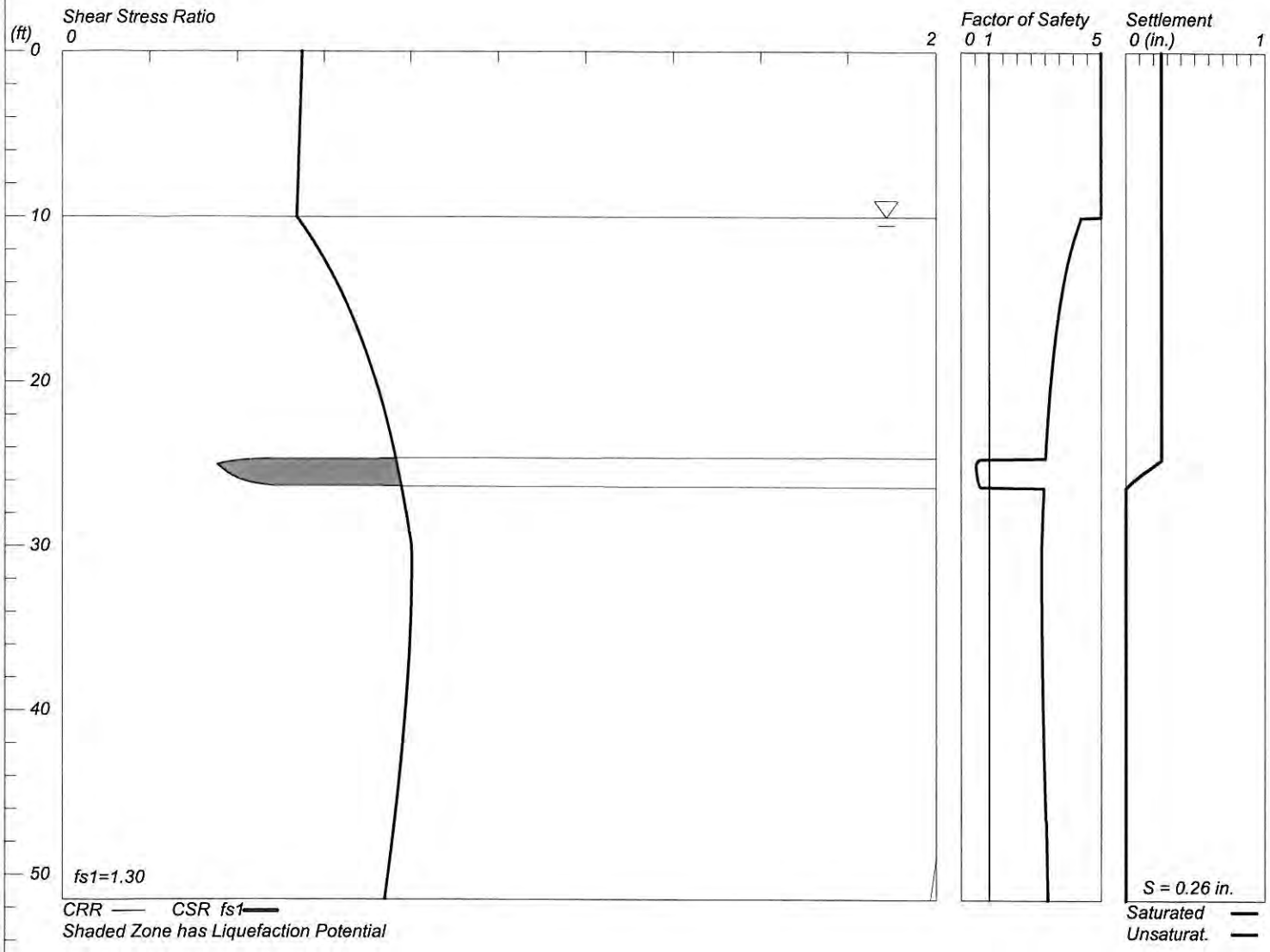
A liquefaction analysis was performed for the site based on SPT data gained from the hollow stem auger drilling. The Ishihara/Yoshimine method to analyze dynamic settlement for the SPT data. The calculations used the following constants: 0.65g for site acceleration, 7.1 for the magnitude of the earthquake, and a groundwater depth of 10 feet below existing grade. A factor of safety of 1.3 was utilized. The results are presented on Plate D-1 through D-5.

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-1 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



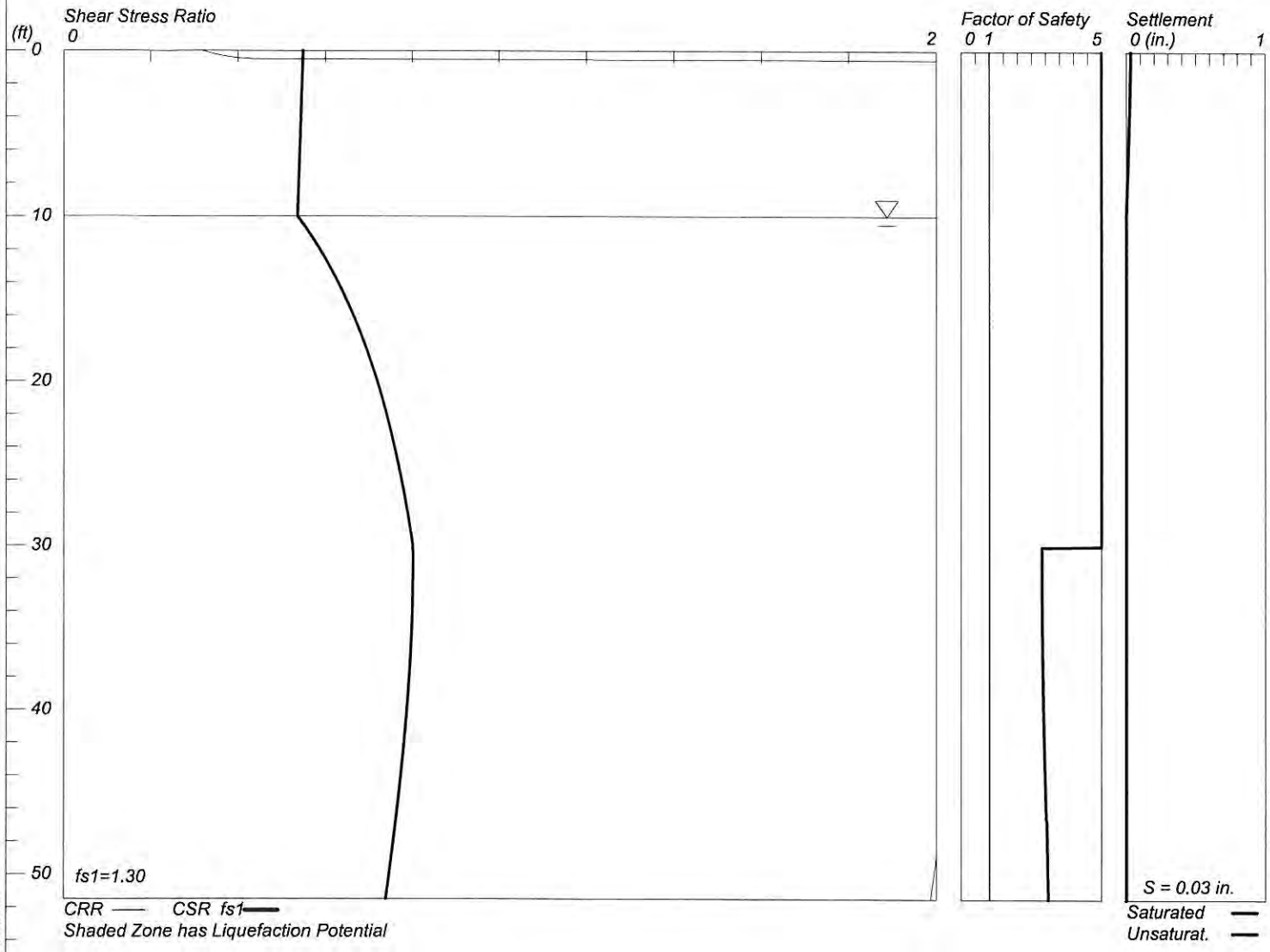
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-2 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



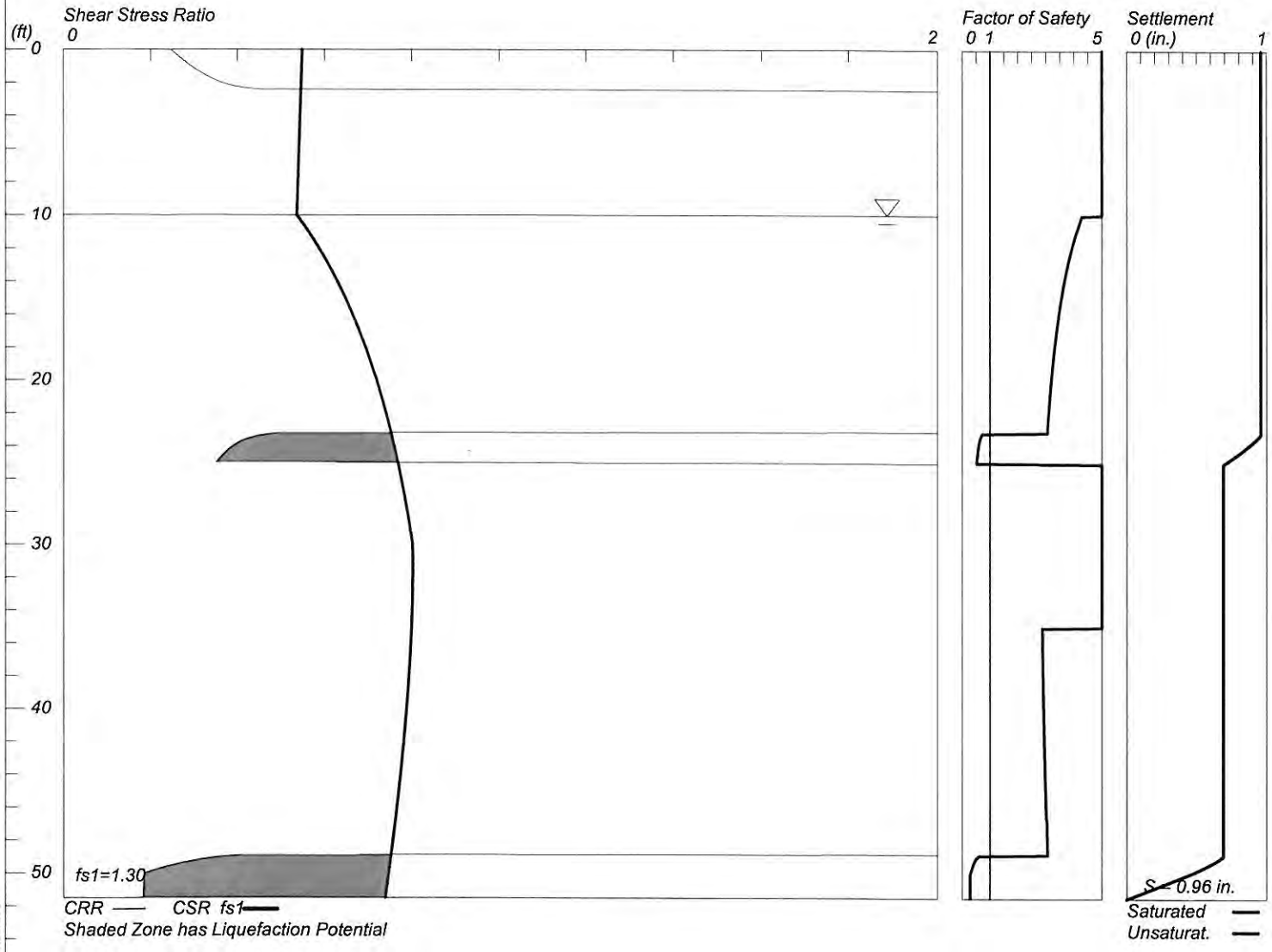
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-3 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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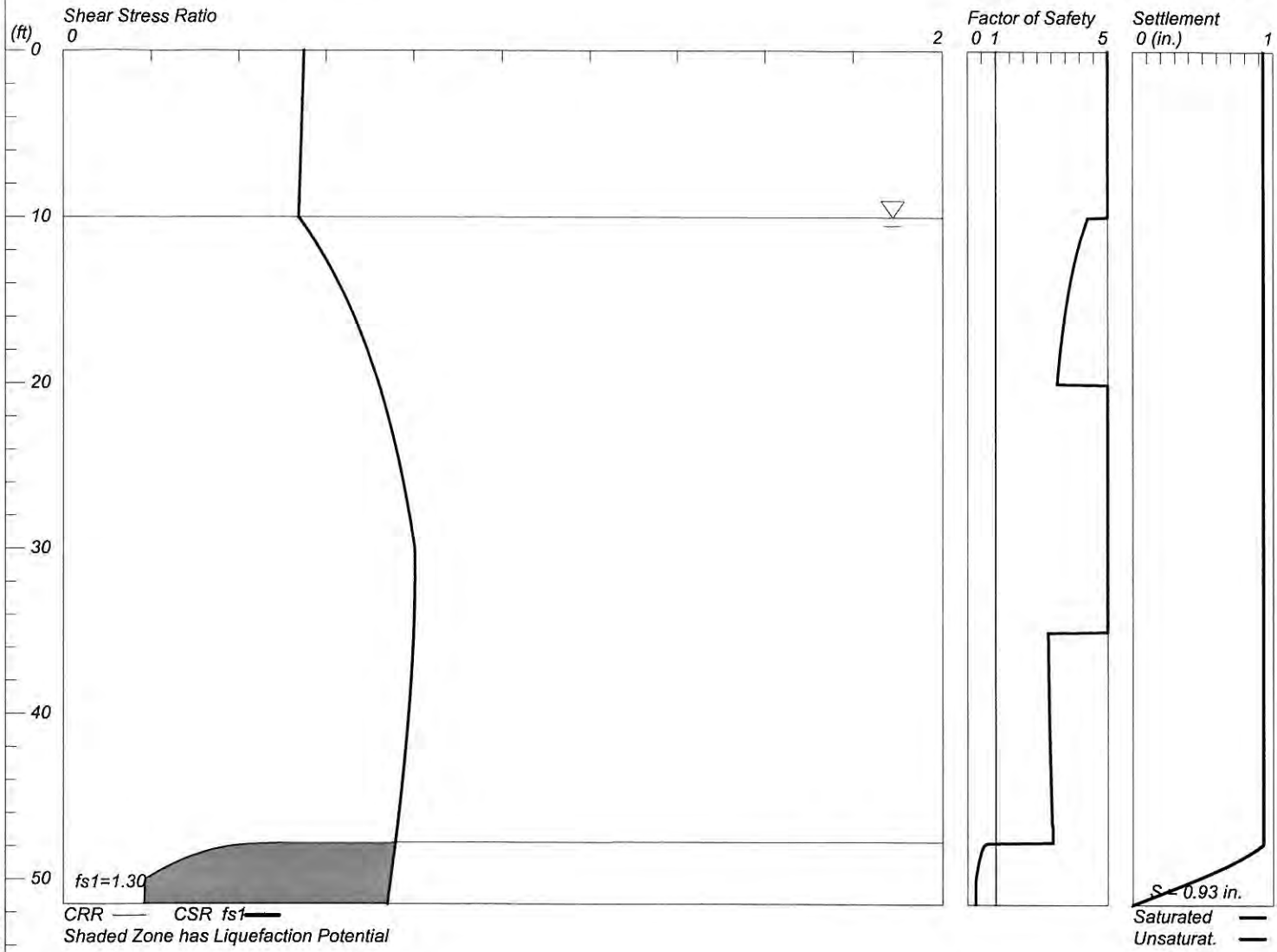
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-4 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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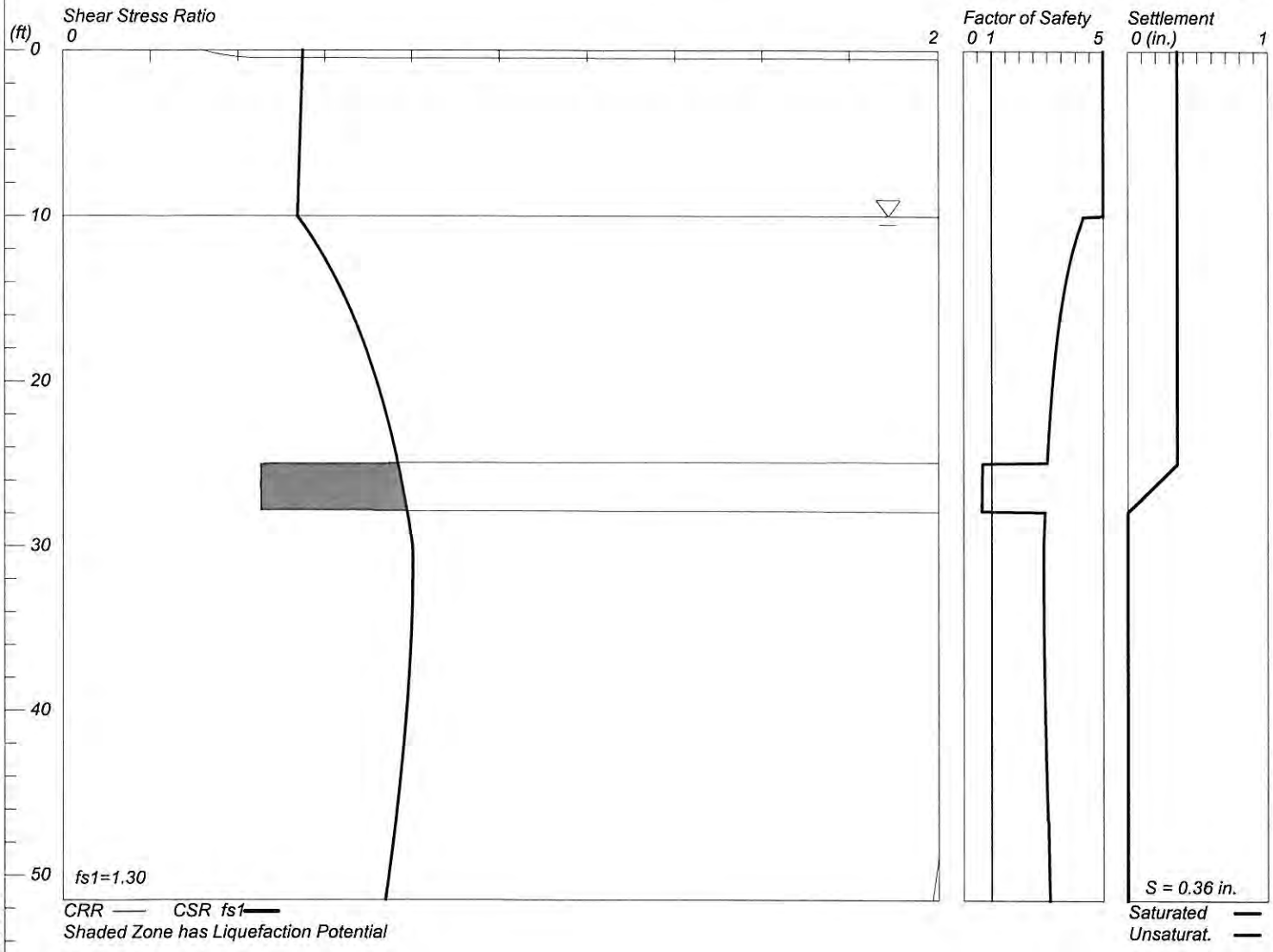
LIQUEFACTION ANALYSIS

1-0286

Hole No.=B-5 Water Depth=10 ft Surface Elev.=83

Magnitude=7.1
Acceleration=0.65g



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APPENDIX E

Maintenance Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.
- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. **ENGINEERED FILLS**

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. **FINISHED SLOPES**

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

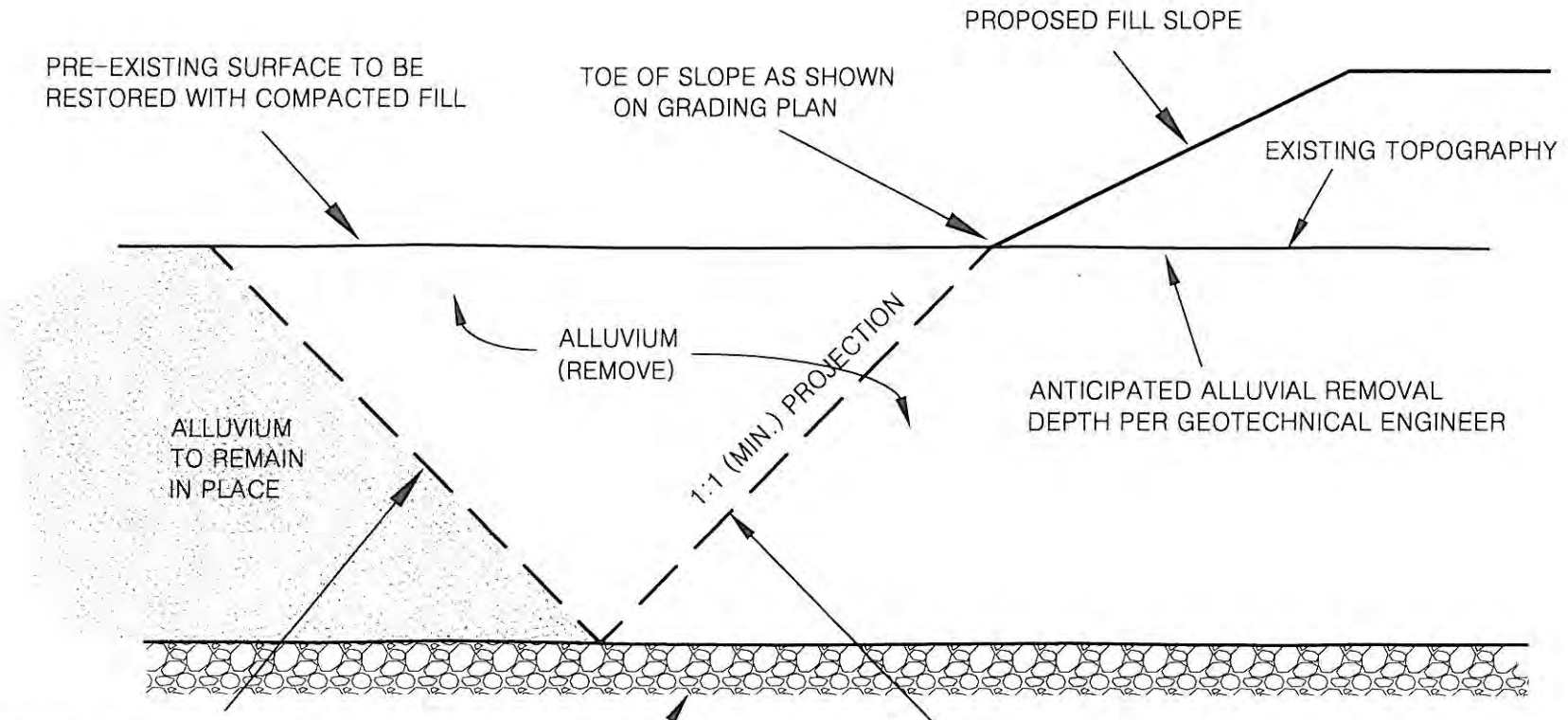

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PLATE G-1

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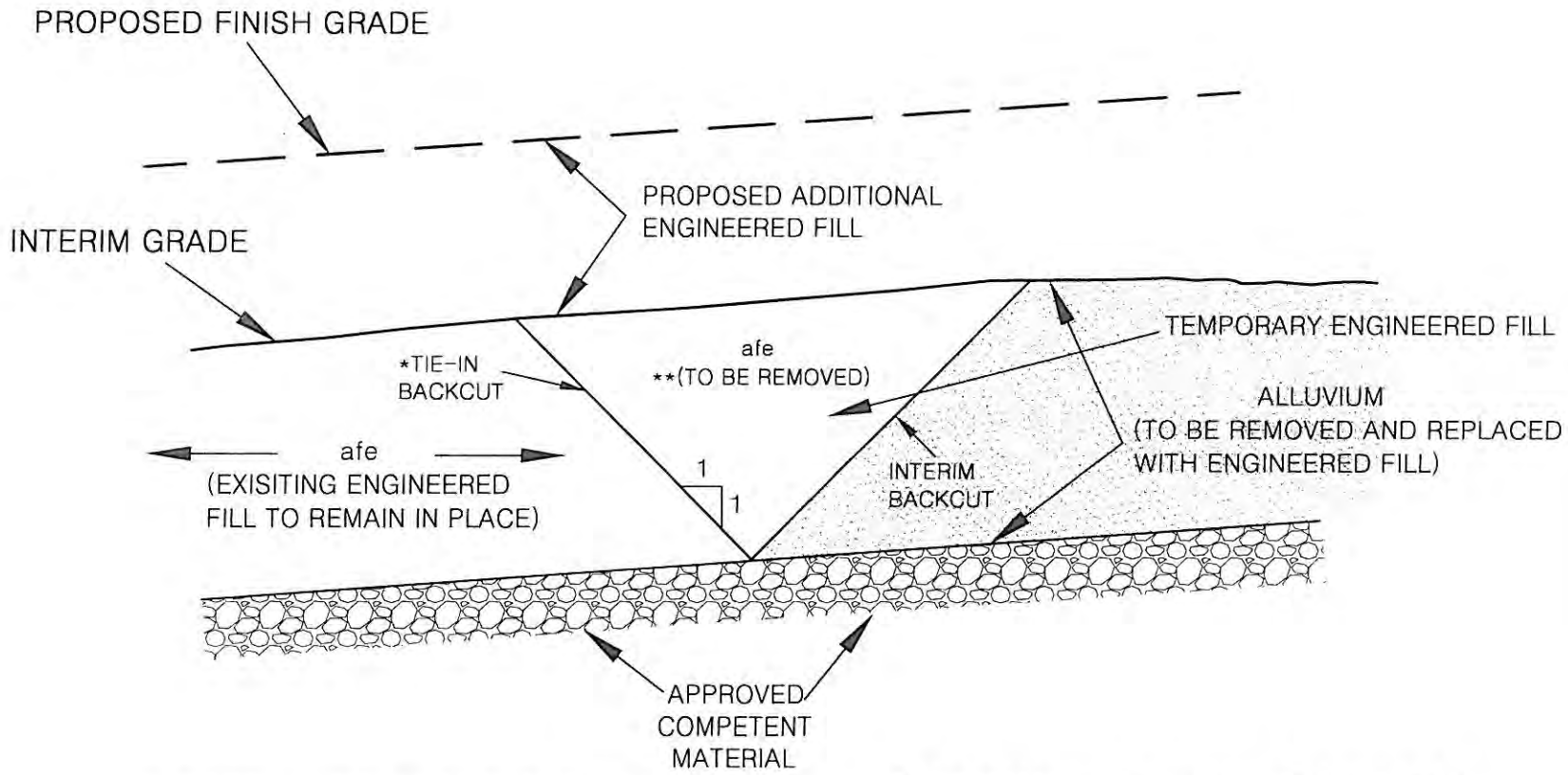
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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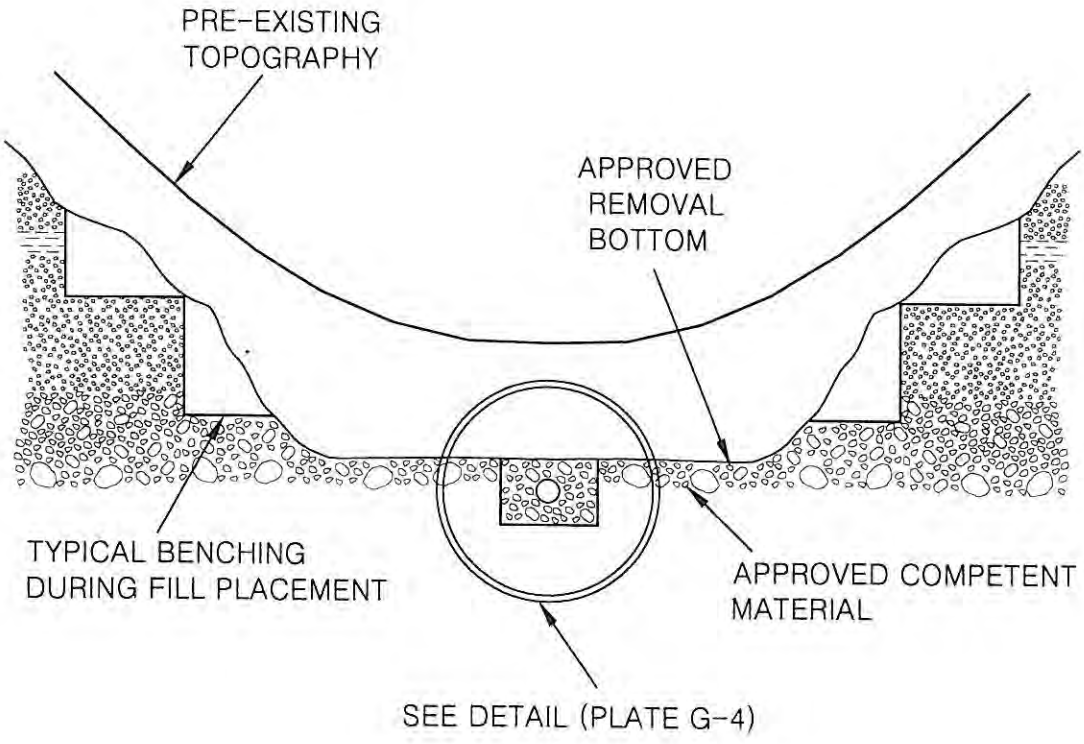
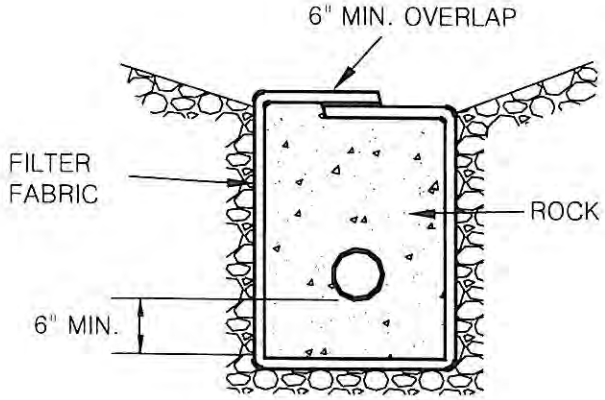
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL



PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK

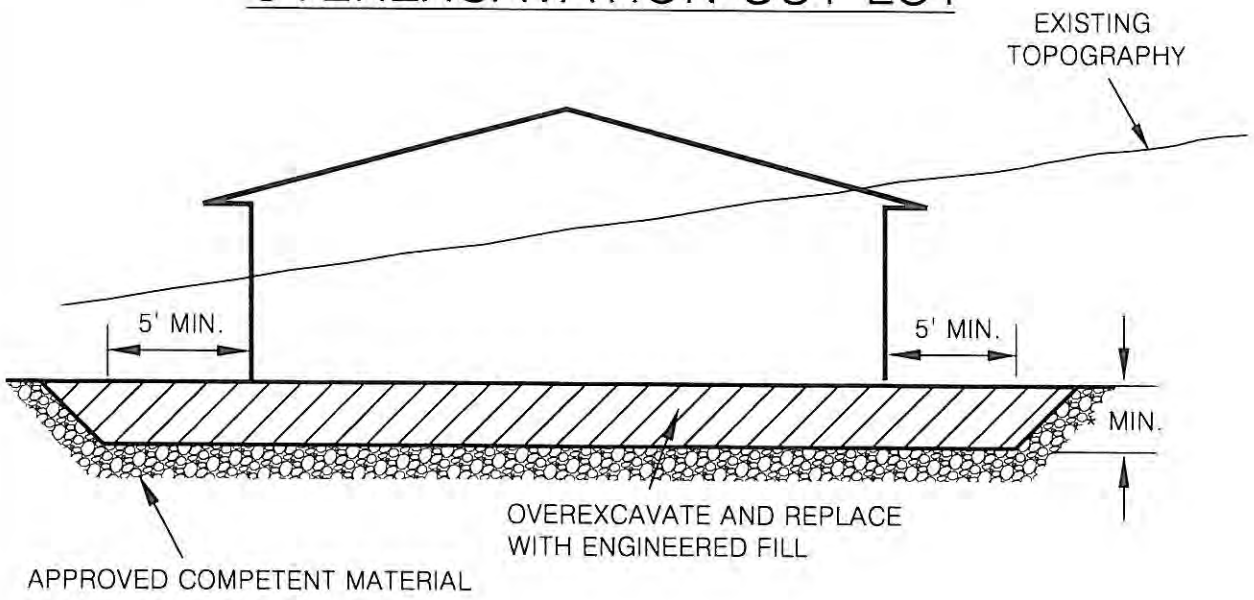
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

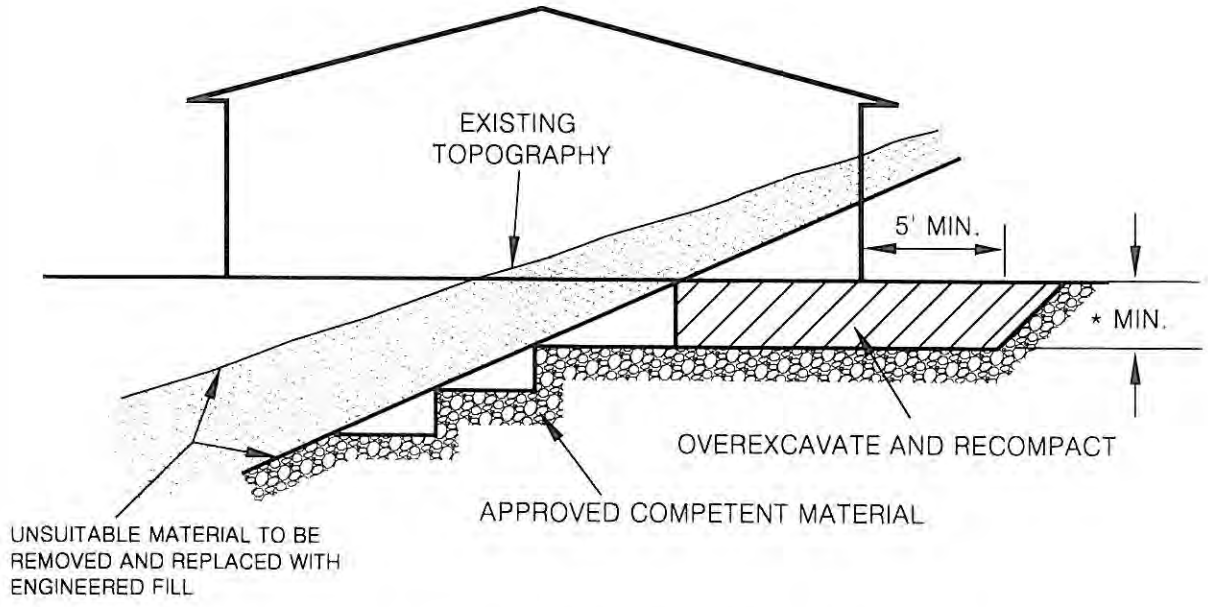
NOTES:

1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



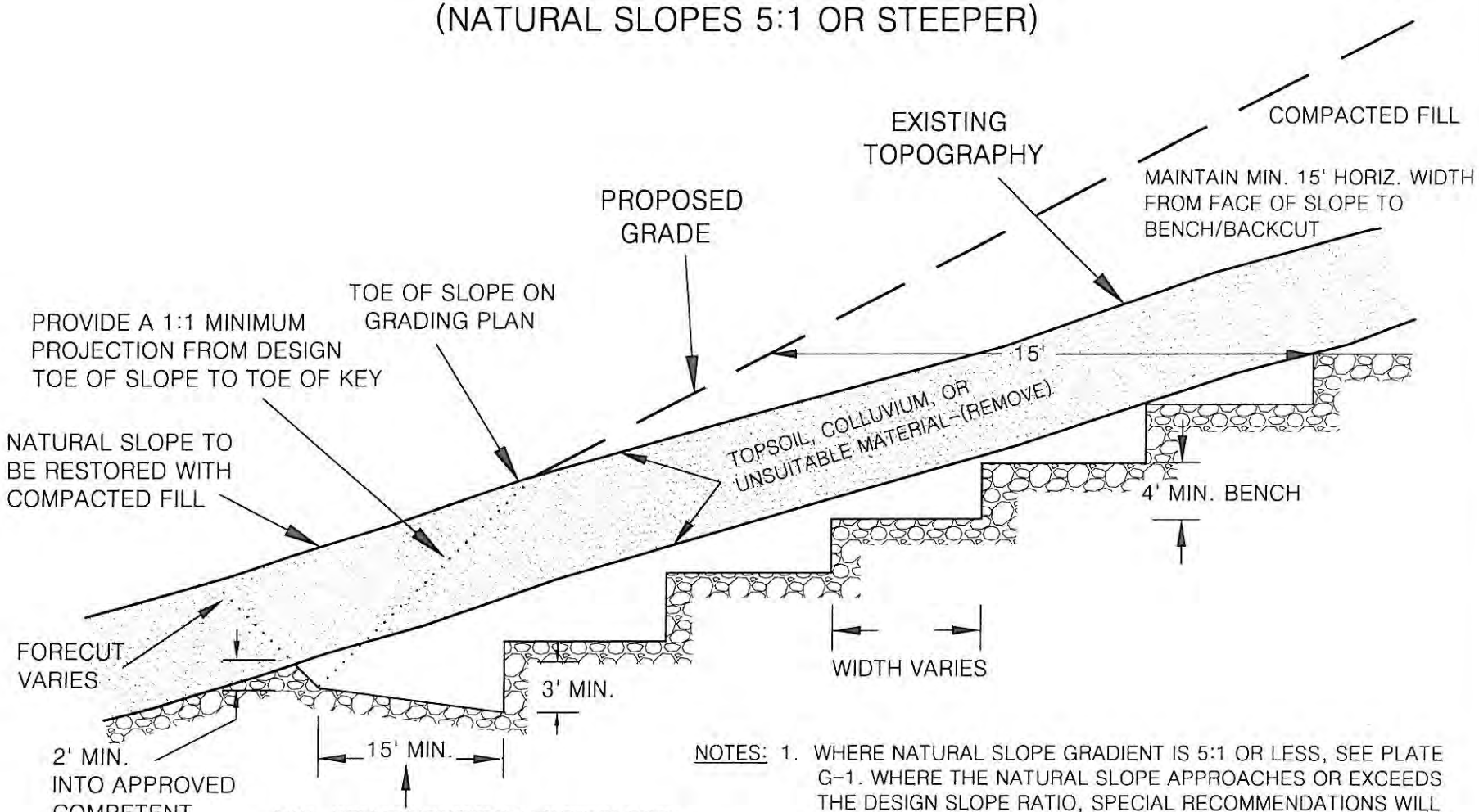
CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

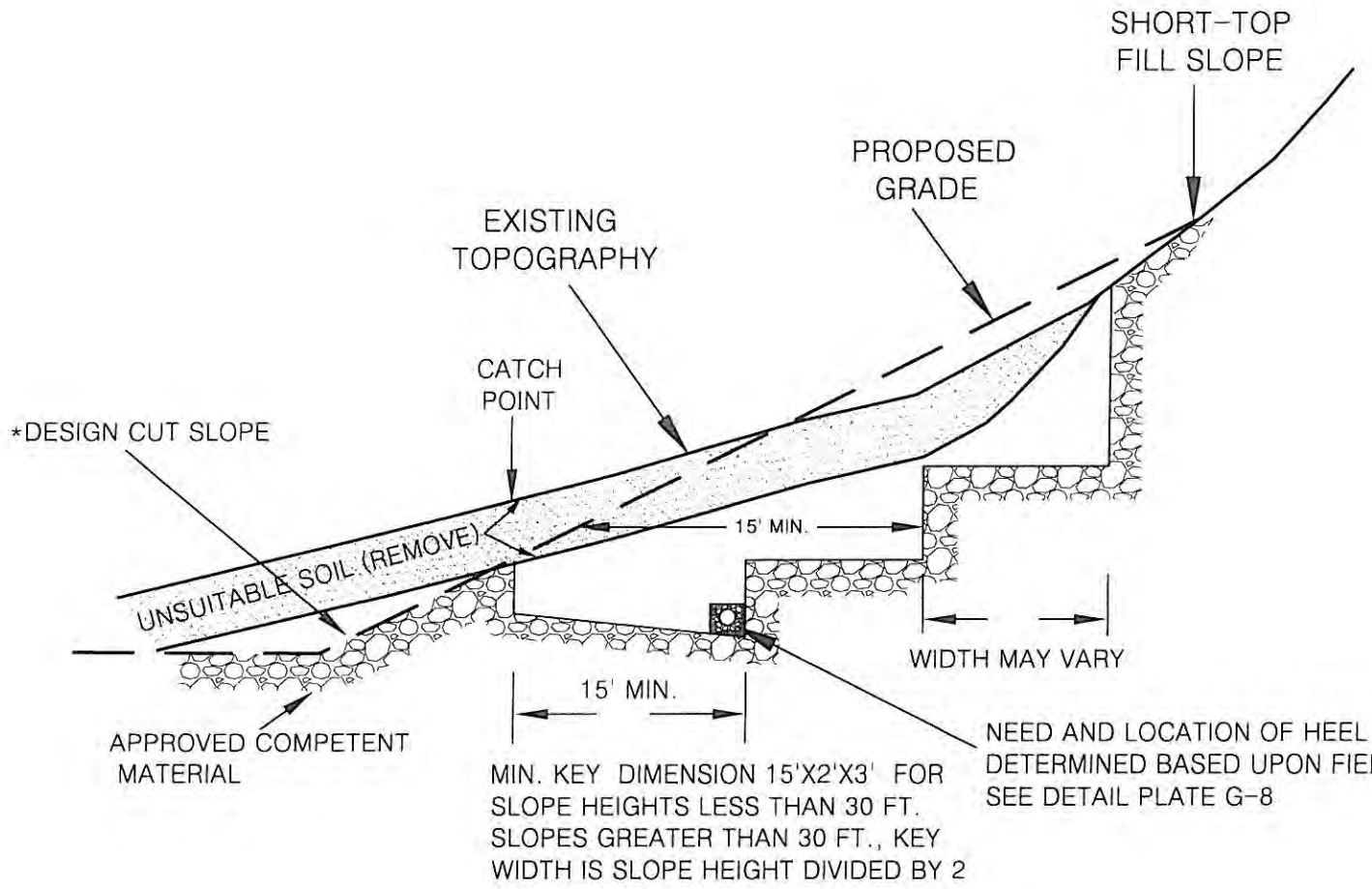
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:
1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

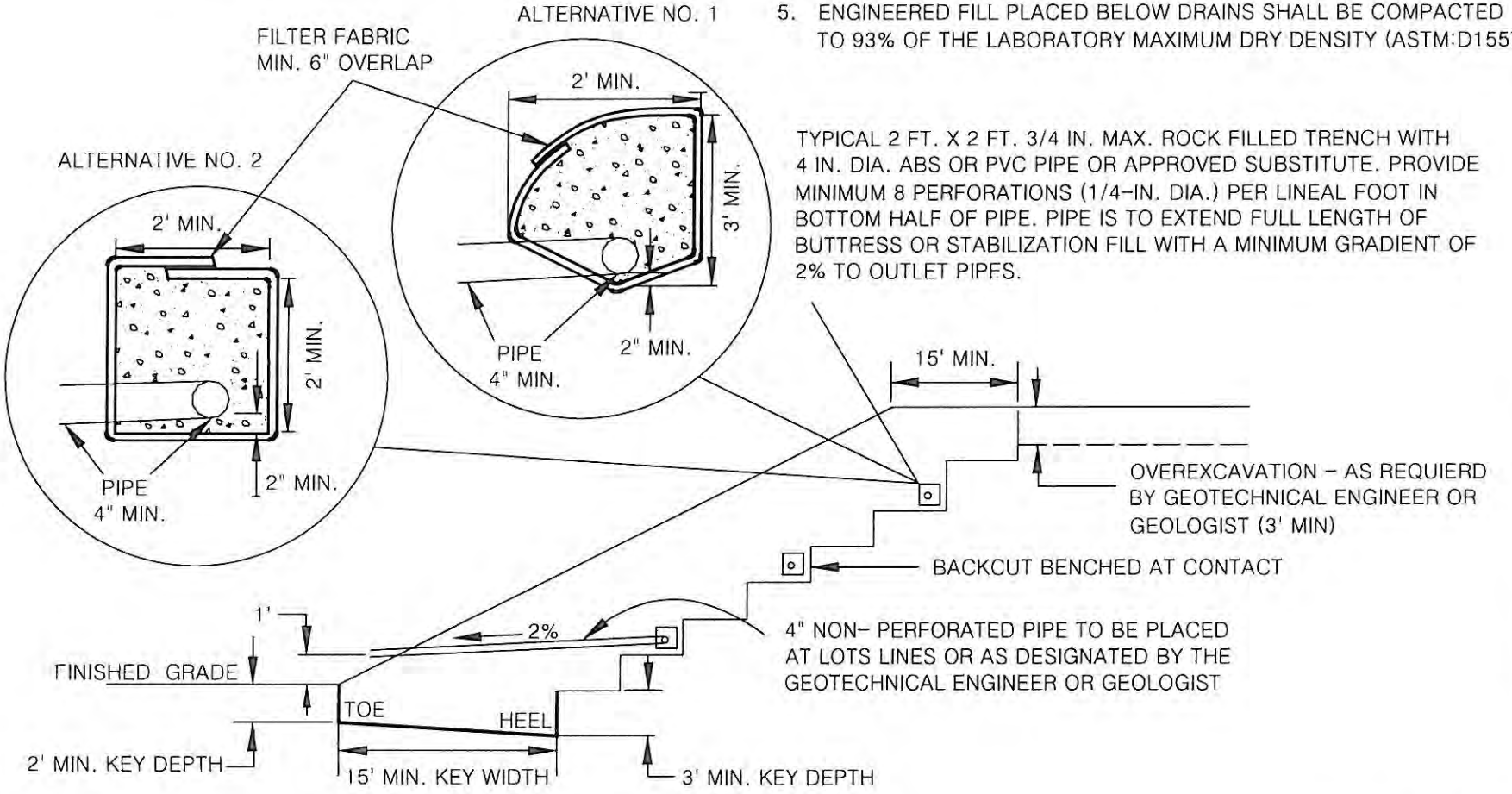

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PLATE G-8

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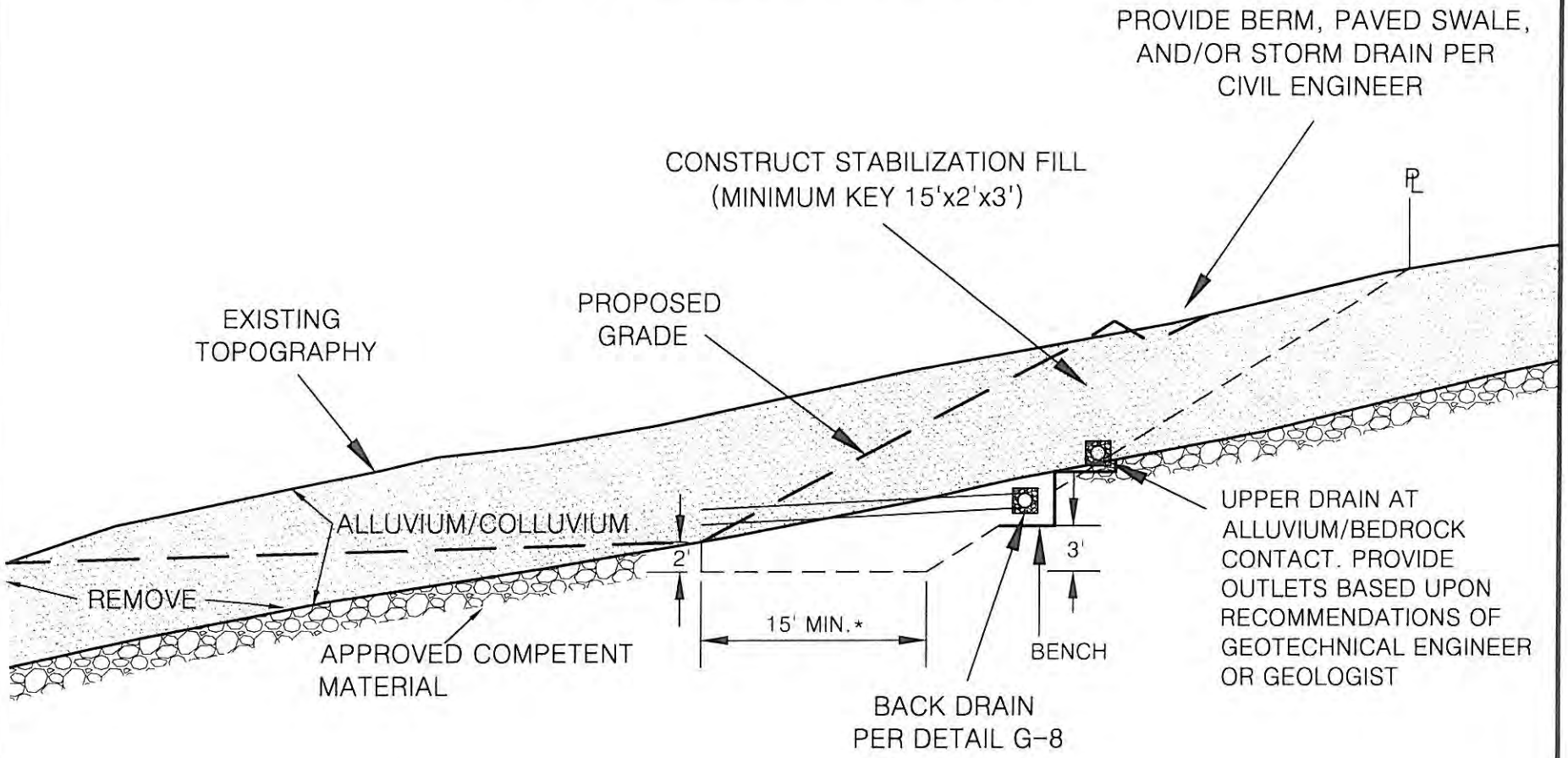
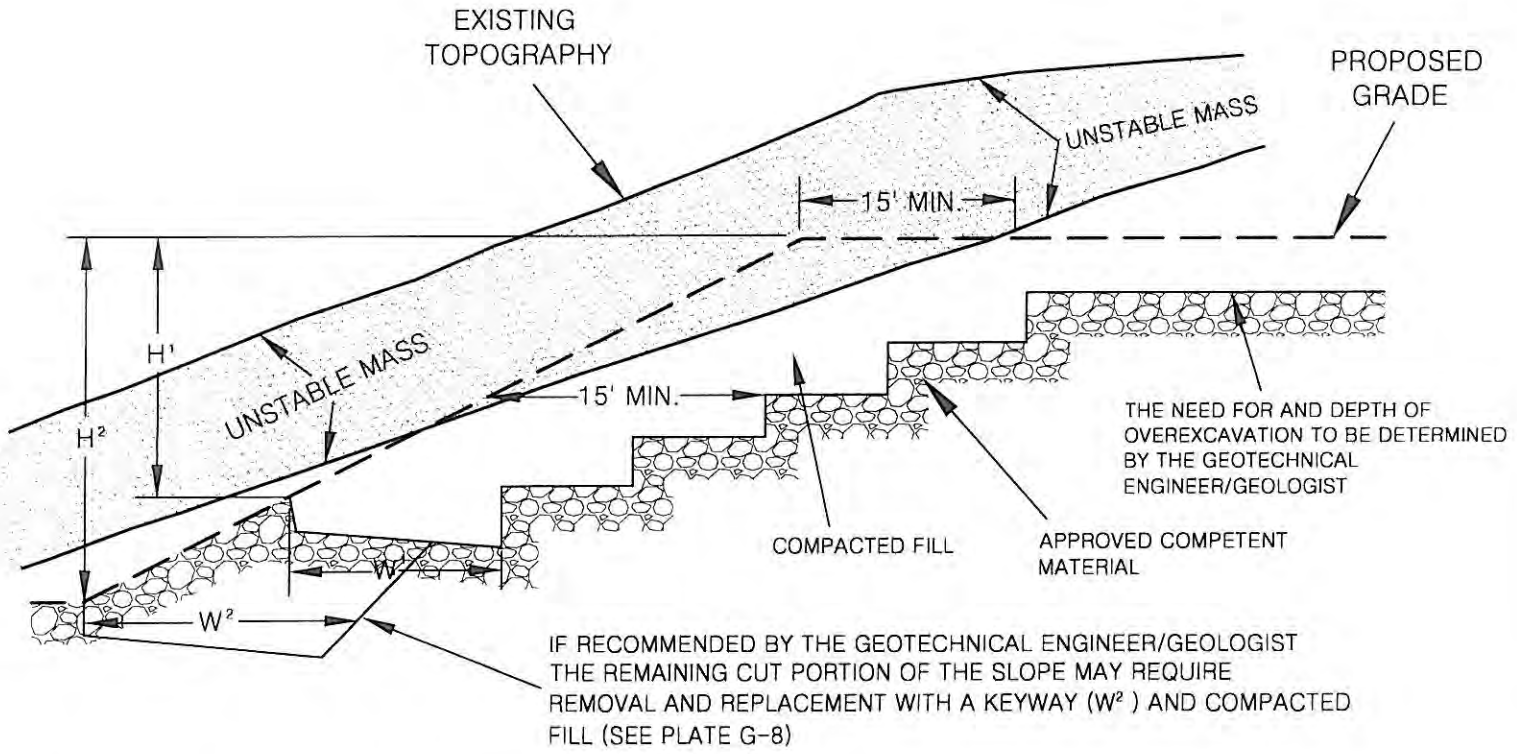
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

SKIN FILL SLOPE OVER NATURAL GROUND

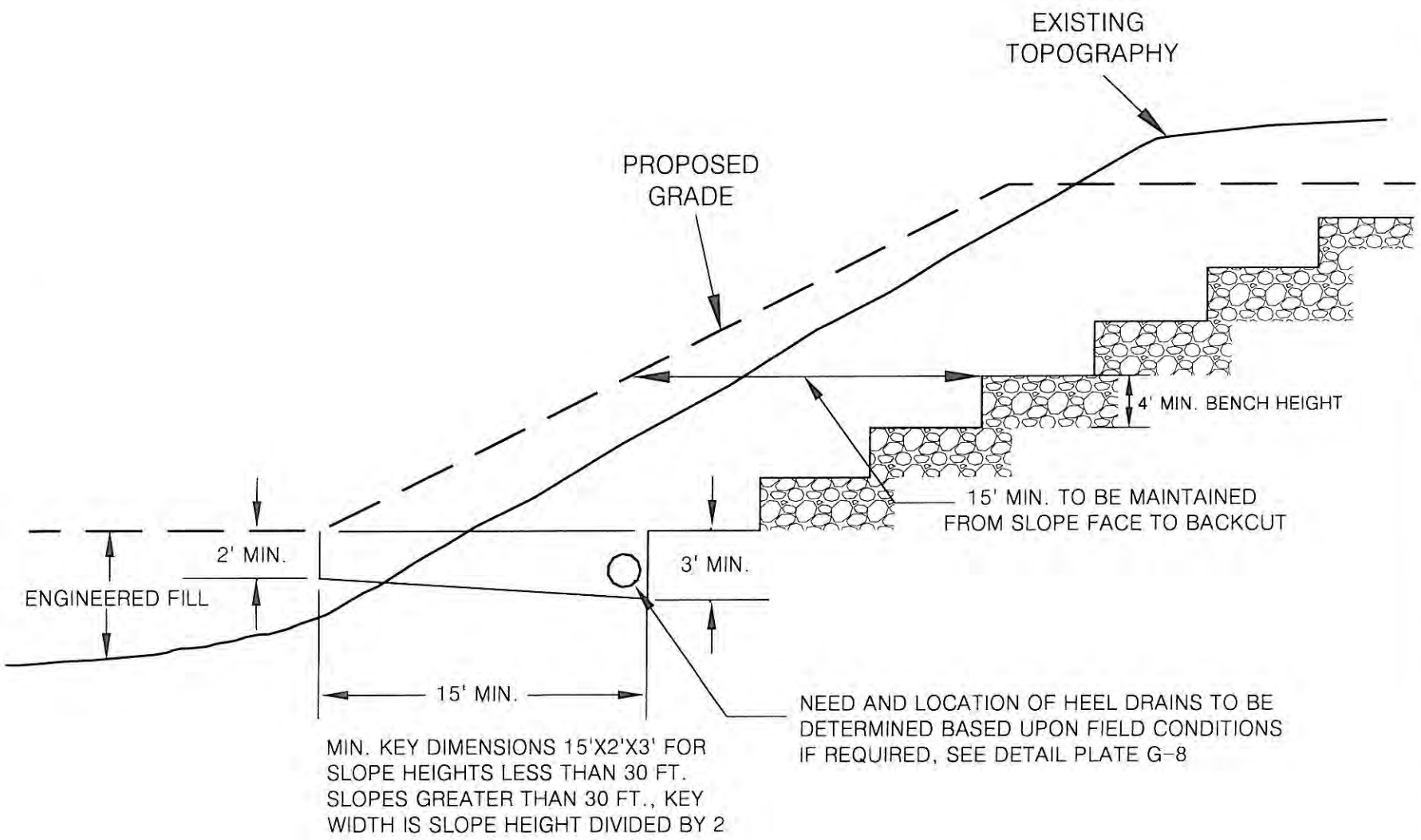


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PLATE G-11

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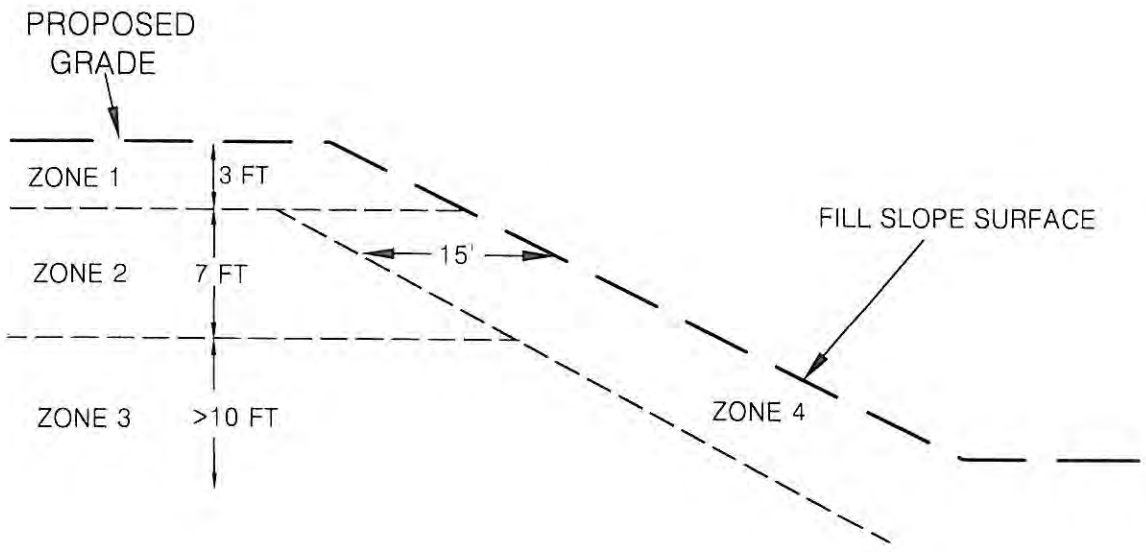
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤0.5 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

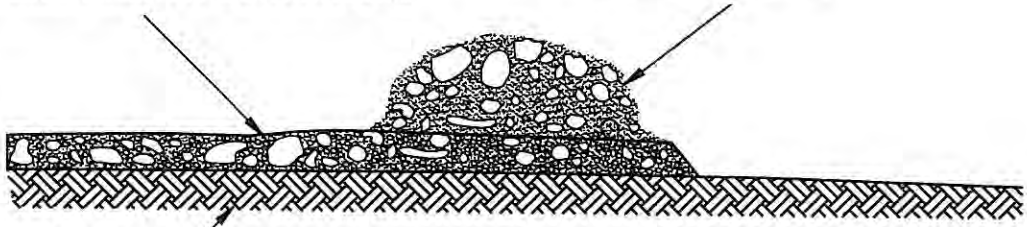
ROCK BLANKET DETAILS

LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)

APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER), HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

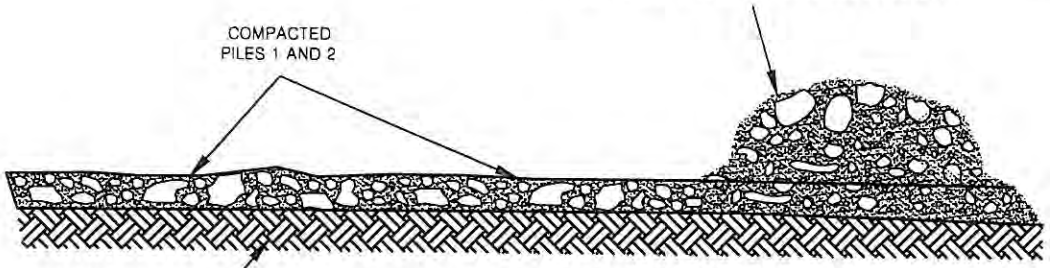
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

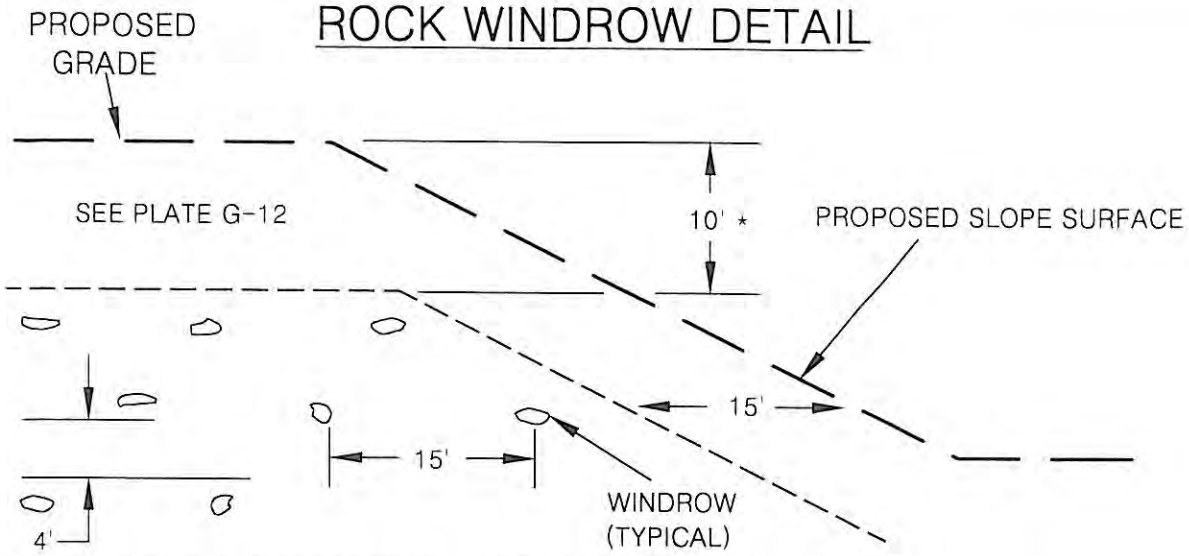


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

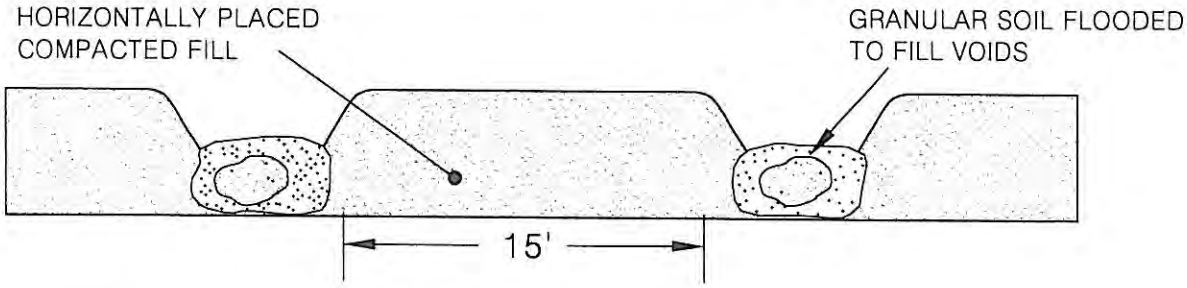
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



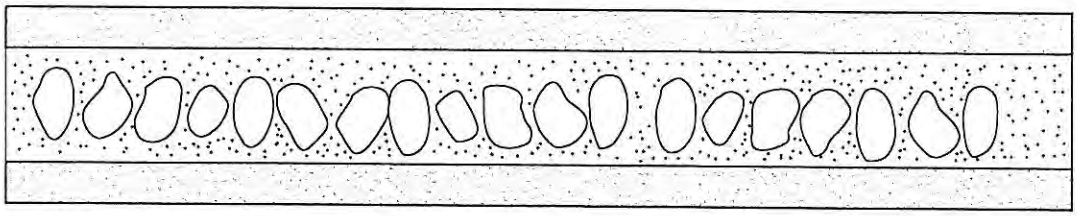
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

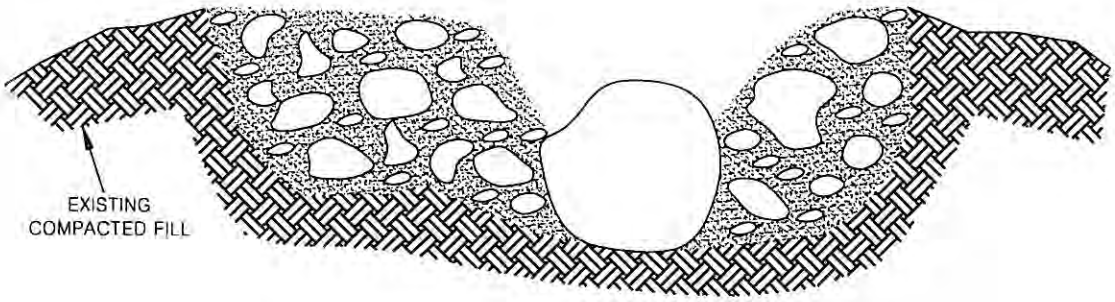


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

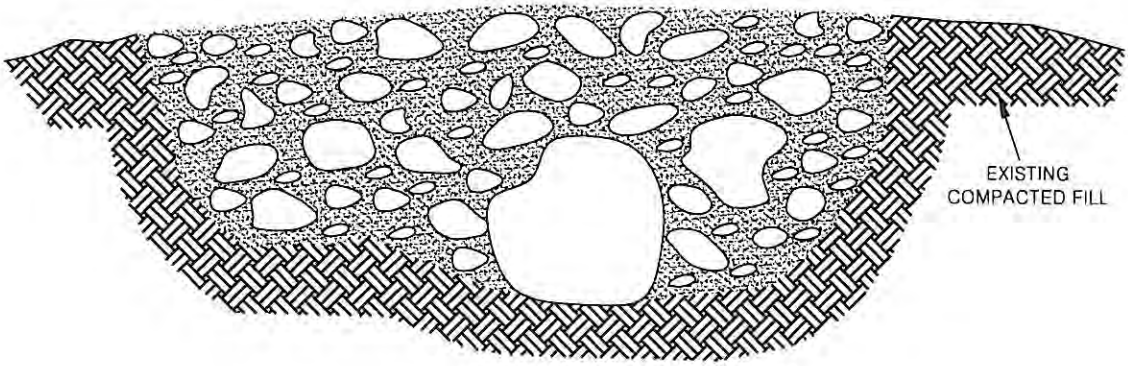
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

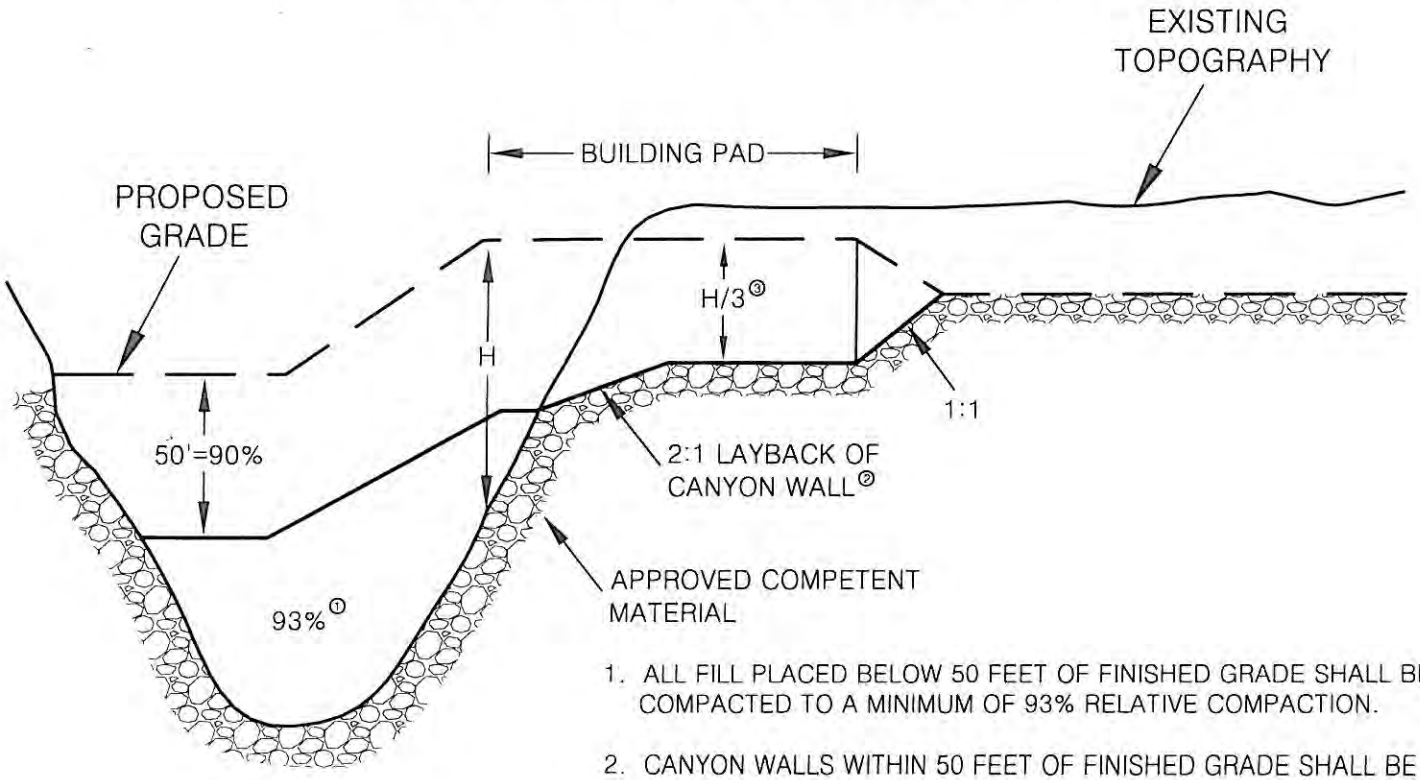


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 3/12

PLATE G-16

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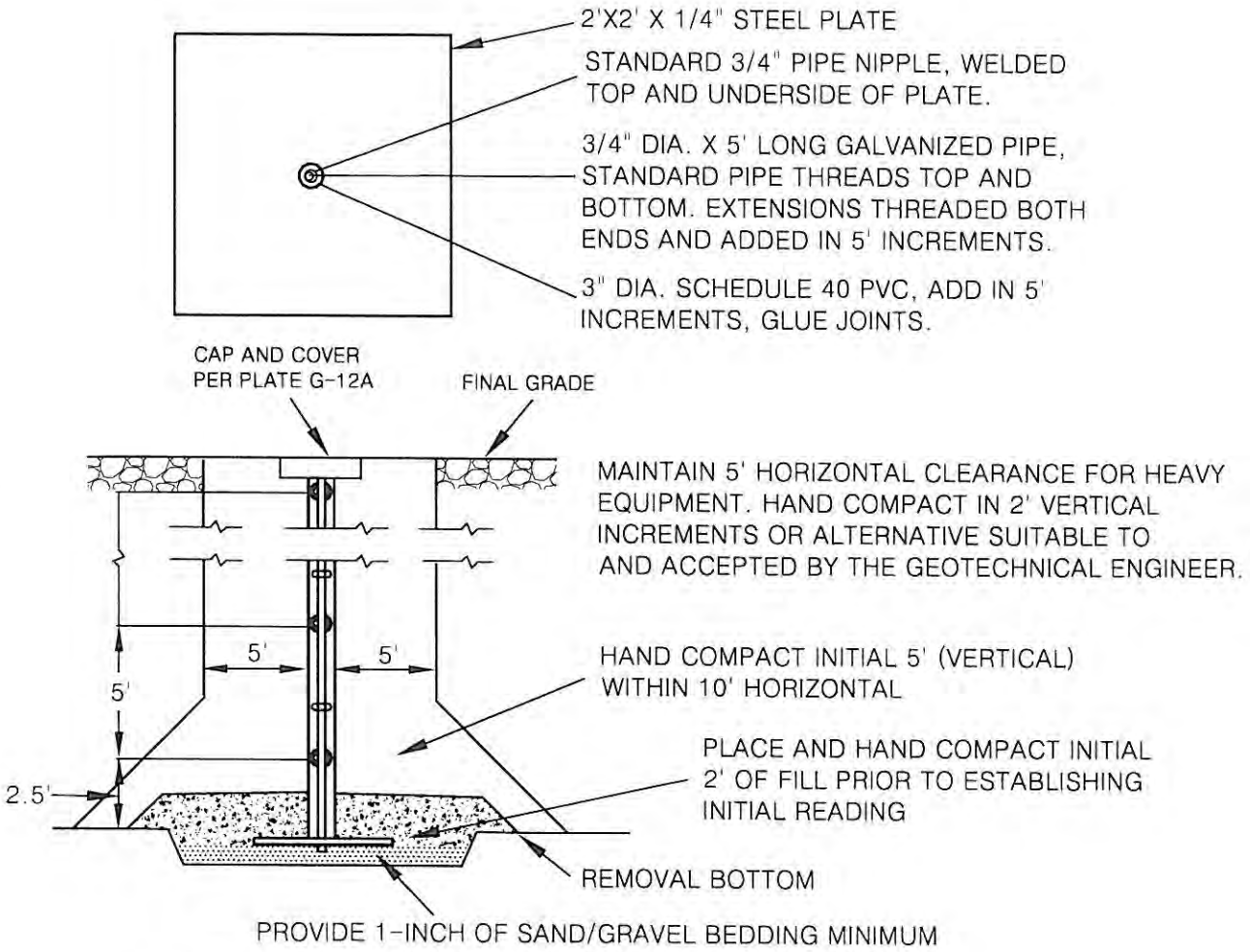
SETTLEMENT PLATE DETAIL



NOTES:

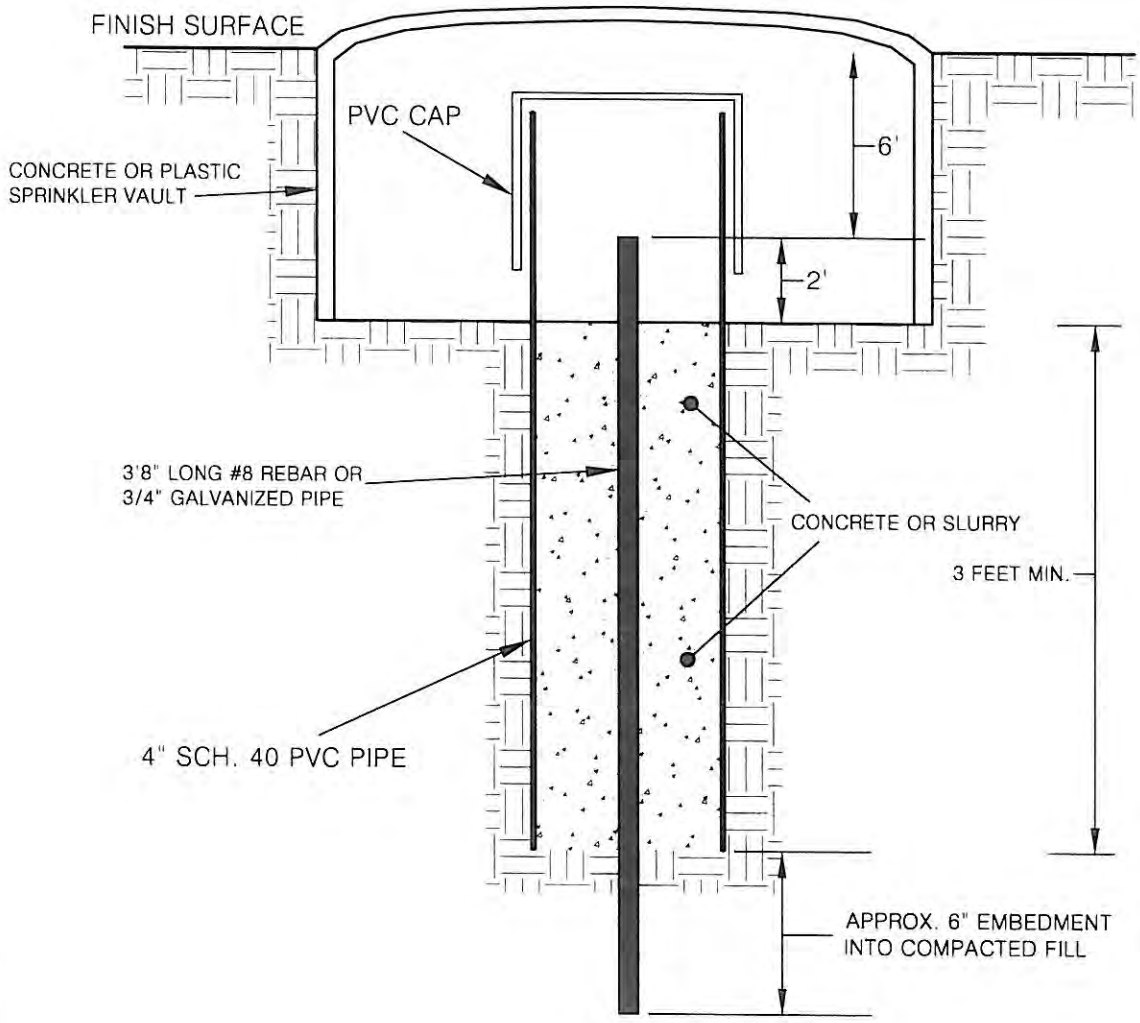
1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

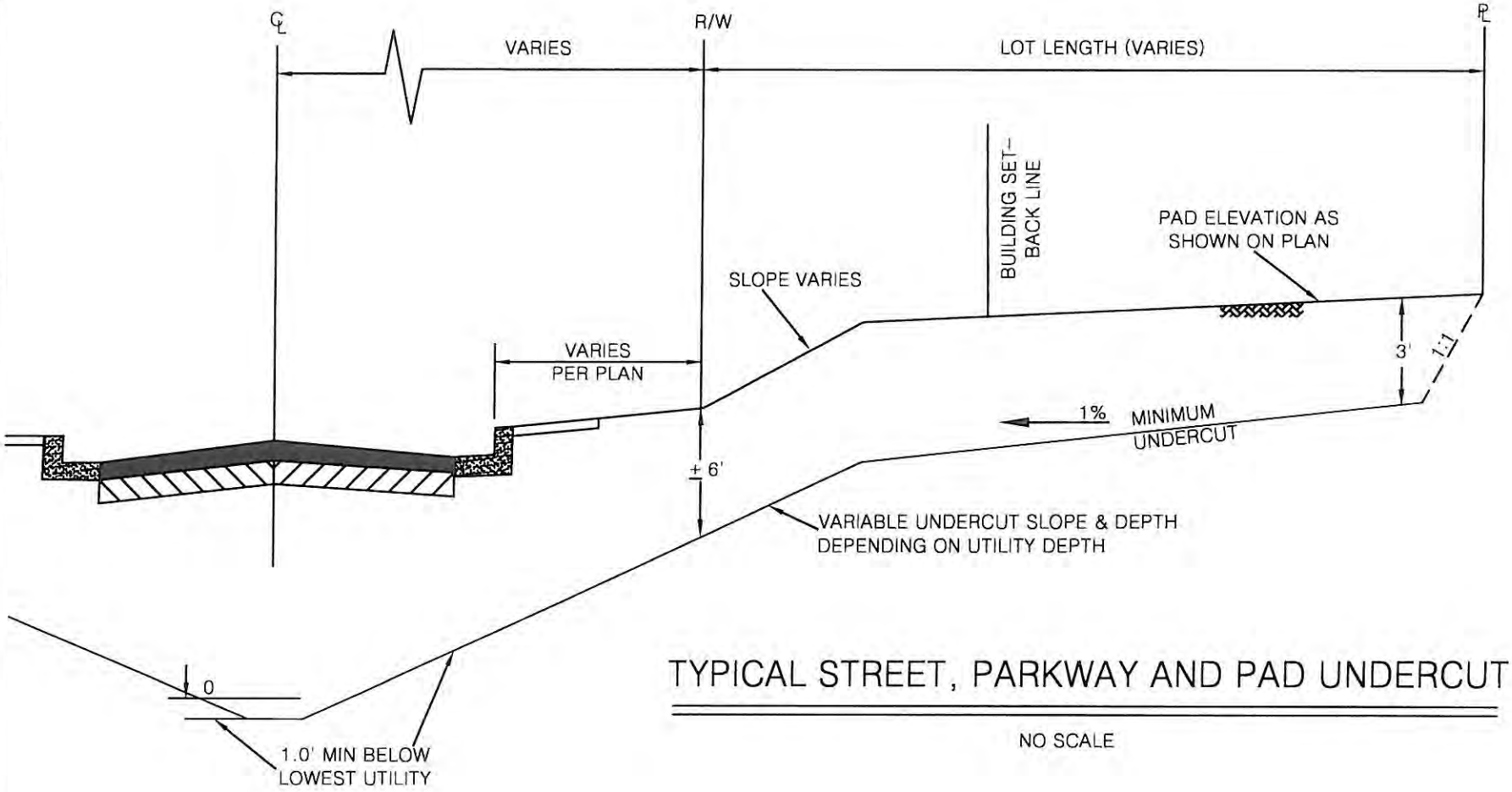
2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL





TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

ALTA CALIFORNIA GEOTECHNICAL, INC .
VER. 3/13

PLATE G-19

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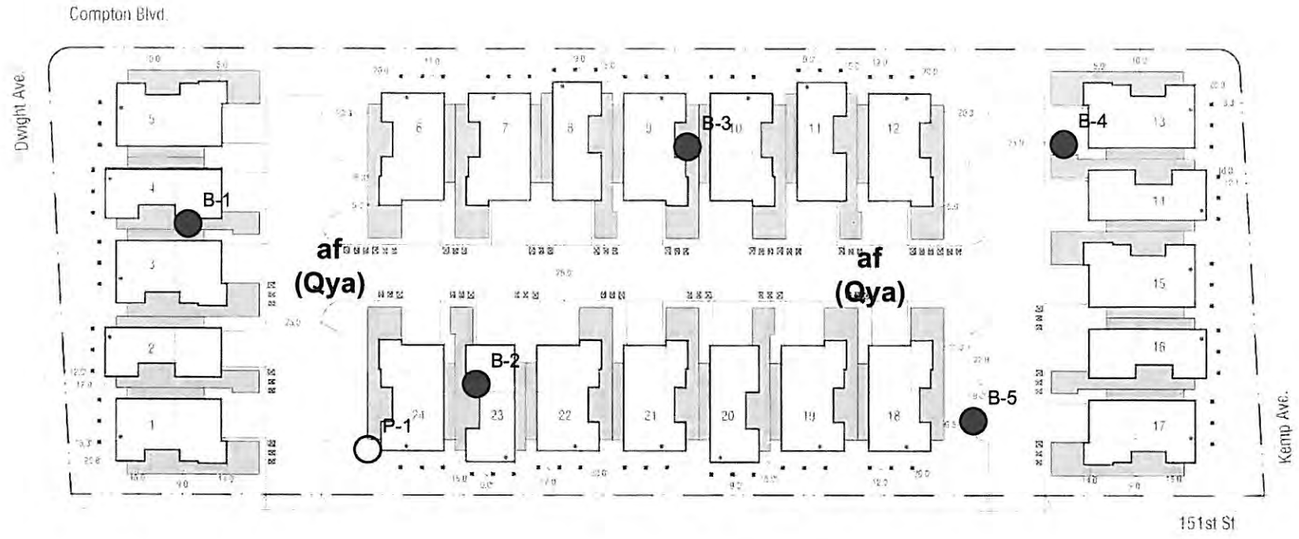

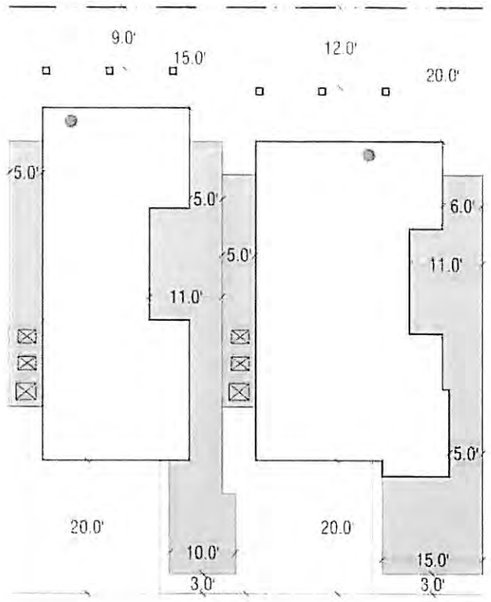

25.0'

Typical Lot Setbacks

Project Summary

Total Site Area: ± 2.45 Acres

Total Units: 24 Homes
- (8) Plan 1: ± 1,700 SF, 3 bedroom
- (16) Plan 2: ± 1,900 SF, 3 bedroom, opt. bed 4

Density: 9.8 Homes per Acre

Parking:

Required: 54 Spaces (2.25 spaces per home)
- (24) Homes x 2.0 Spaces = 48 Spaces
- (24) Guest x 0.25 Spaces = 6 Spaces

Provided: 102 Spaces (4.25 spaces per home)
- Garage: 48 Spaces (18' x 20' clear)
- Driveway: 48 Spaces (2 space/drive)
- Parallel: 6 Spaces (9' x 22')

Open Space:

Provided: 14,050 S.F. Total (585 S.F. per home)
- Common: 5,390 S.F. (10' Min. Dimension)
- Private: 8,660 S.F. (10' Min. Dimension)

Zoning Summary

Existing General Plan:	Medium Density Residential
Proposed General Plan:	Medium Density Residential
Existing Zoning:	CL - Limited Commercial & P - Parking
Proposed Zoning:	R-M-D - Medium Density Residential - Planned Development
Max. Density:	17.14 Homes per Acre (2,500 sf/home)
Proposed Setbacks:	Compton Blvd: 15' to building 9' to covered porch
	Dwight Ave: 15' to building 12' to covered porch
	Kemp Ave: 15' to building 12' to covered porch
	151st St: 14' to single story element (building 1 & 17) 15' to front of building 9' to covered porch
Building Separation:	10'
Max. Building Height:	35'

LEGEND

af	ARTIFICIAL FILL
Qya	YOUNG QUATERNARY ALLUVIUM (BRACKETED WHERE BURIED)
B-3	APPROXIMATE LOCATION OF HOLLOW STEM AUGER BORING
P-1	APPROXIMATE LOCATION OF INFILTRATION TEST

Notes:

PLATE 1

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0285 DATE: May 6, 2019

CONCEPTUAL SITE PLAN

COMPTON BLVD & KEMP AVE SITE

COMPTON, CA

City Ventures

0 15 30 60

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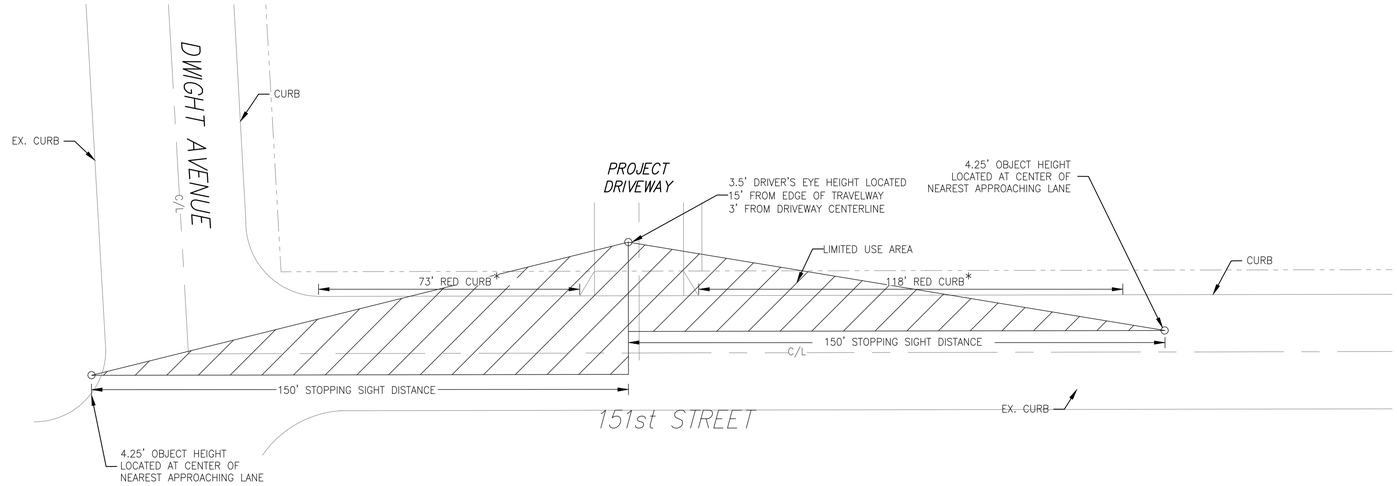


151st STREET IS A LOCAL ROAD WITH A PRIMA FACIA SPEED LIMIT OF 25 MPH. TABLE 201.1 OF THE HDM, RECOMMENDS 150-FEET OF STOPPING SIGHT DISTANCE.

* NOTE: SECTION 405.1 OF THE HDM RECOMMENDS PARKING RESTRICTIONS ON URBAN DRIVEWAYS BE SET PER CA MUTCD SECTION 3B.19. SECTION 3B.19 RECOMMENDS A CLEARANCE OF **6-FEET** MEASURED FROM CURB RETURN SHOULD BE PROVIDED AT BOTH SIDES OF A DRIVEWAY.

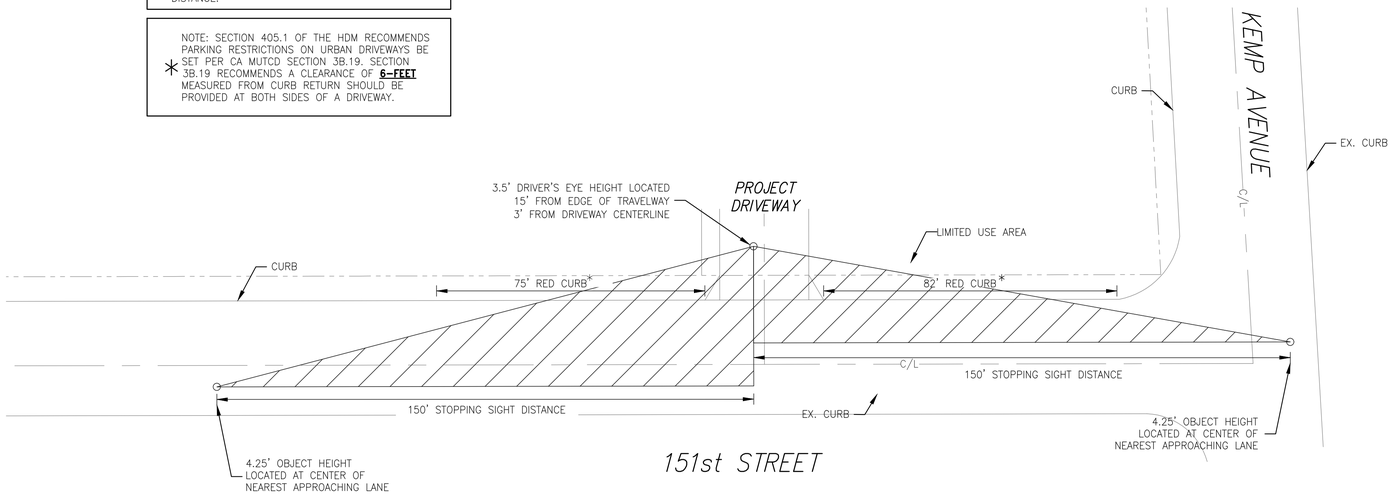


EXHIBIT 9: SIGHT DISTANCE ANALYSIS
CVR-19-001 COMPTON & KEMP TRAFFIC IMPACT ANALYSIS
Date: 09/30/21

SCALE: 1" = 20'
10 0 10 20 30

ITEM 4B

Community Development Department
205 S. Willowbrook Ave., Compton, CA 90220 (310) 605-5532 Fax: (310) 761-1488 www.comptoncity.org

STAFF REPORT

CASE NO(S).	**MITIGATED NEGATIVE DECLARATION NO. 951** **GENERAL PLAN AMENDMENT CASE NO. 2021-001** **CHANGE OF ZONE CASE NO. 2021-003** **CONDITIONAL USE PERMIT CASE NO. 2021-008** **TENTATIVE TRACT MAP NO. 82807 2021-001**
LOCATION	**930 W COMPTON BLVD.** **APN: 6161-001-902**
REQUEST	**TO DEVELOP A GATED 60-UNIT THREE STORY ATTACHED CONDOMINIUM PROJECT ON A 2.45 ACRE SITE**
HEARING DATE	**MAY 11, 2022**

Applicant:
Ms. Kim Prijatel
2131 Michelson Drive, Suite 150
Irvine , CA. 92612

Requested Action/Project Description
The City Ventures Company is requesting the approval of the above applications to develop a 60-unit three story condominium community on a vacant 2.45-acre successor agency owned property located at the southeast of Compton Blvd. and Kemp Avenue. Each unit will have a two car garage in either a standard side by side format or in a tandem format. One common open space area is proposed with amenities along with 15 guest parking spaces and 10 affordable units.

This item was originally heard before the Planning Commission on December 8, 2021, but was continued to the January, February and March Planning Commission meetings. The project was continued from the December 8, 2021 meeting due to concerns regarding security and gated access. The project initially was an open site with no restricted vehicle access, however at the planning commission meeting, the City Attorney mentioned that the area historically had a high crime rate. The Planning Commission also expressed concern and asked the applicant if the project could be converted to a gated community.

Based on this new information, the applicant requested a continuance to revise the project to research the feasibility of changing the project to a gated community.

Site Plan Modifications Resulting From Conversion To Gated Community

The applicant has revised the project and is now proposing a gated community project. As a result of the change to a gated community the site plan was modified as follows:

1. The 10 plex building abutting Dwight Street was changed to an 8 plex
2. The two 5 plex buildings abutting the common open space area were increased to 6 plexes and enlarged.
3. Onsite guest parking space was reduced from 16 to 15 spaces.
4. The previous guest parking bays were reduced and new parallel guest parking spaces added along the main internal driveway providing 15 onsite guest parking spaces.
5. The primary common open space area has been REDUCED from 11,269 square feet to 7,284 square feet.
6. The Private open space has been REDUCED from 14,072 square feet to 13,583 square feet.
7. Total open space per unit has been REDUCED from 422 square feet to 348 square feet.
8. The Plan 2 unit has been added increasing the proposed unit plan types from two to three.
9. A six foot high rear wall is proposed on the 151st street property line hiding the project's rear landscaping.
10. A new emergency access point is located near Compton Blvd. and Dwight Ave. This for Fire access only as needed.

Location

The subject site is a 107,051 square foot (2.45-acre) rectangular shaped parcel of land bounded by Compton Blvd., Kemp Street, 151st Street and Dwight Street.

Zoning and Land Use

The area surrounding the subject site is developed residentially on the south, east, and west

SUMMARY	Project Site	North	South	East	West
Existing General Plan	Medium Density Residential	Mixed Use	Low Density Residential (LDR)	Medium Density Residential	Mixed Use
Existing Zoning	Limited Commercial 50% and Parking 50%	Limited Commercial	Low Density Residential (LDR)	Low Density Residential (LDR)	Low Density Residential (LDR)
Existing Land Use	Vacant	Compton Blvd.	Single Family homes	Multi-Family homes	Single Family homes & Commercial

Background

The applicant is proposing to redevelop a vacant lot owned by the Housing Successor Agency. The site has been unused for decades.

ANALYSIS

General Plan Amendment

The applicant is proposing a General Plan Amendment (GPA) for three specific reasons:

1. To bring the existing General Plan land use designation for the site into a higher level of consistency with the existing Limited Commercial zoning.
2. To permit the proposed project density of 25 units per acre.

3. The proposed GPA will remove the existing general plan designation of Medium Density Residential and replace it with the General Commercial land Use designation. The existing Medium Density Residential land use designation has a maximum density of 17 units per acre whereas the General Commercial land Use designation has a maximum density of 29 units.

The proposed GPA to General Commercial is appropriate for the site and the surrounding area. The surrounding area is a combination of traditional single family detached residential and multi-family residential to the south, west and east. There is some commercial land uses to the west fronting Compton Blvd. The proposed project will develop a vacant successor agency owned property into 50 new market rate and 10 affordable housing units.

Change of Zone

The project is requesting a zone change to remove the existing Parking overlay zoning (P) on the southern half of the site resulting in a site with only Limited Commercial zoning. The proposed zone change will give the site a single Limited Commercial (CL) zoning that permits high density residential development with a Conditional Use Permit.

Conditional Use Permit

The proposed CUP is to permit the development of a 60-unit attached condominium unit project with attached two car garages, a common open space area, and 16 guest parking spaces in the Limited Commercial zone. Zoning code section 30-12.2(b) permits residential development in the Limited Commercial zone subject to an approved Conditional Use Permit.

Access/Circulation

Vehicle ingress/egress to the development will be from two gated access points on 151st Street only. The primary access into the site will be from the gated entrance 60 feet from Kemp Street. This access is designed with a 25 foot radius circular turn around with a gate set back 50 feet from the property line allowing for two vehicles to que without blocking the sidewalk. Residents will have remote access to the gate, but there will also be a key pad for guests.

The other access point will be 60 feet from Dwight Street, be gated and serve as an exit only. The two access driveways from 151st Street connect to the primary internal street providing one continuous path of two way travel. Connecting from this primary internal street are four smaller

25 foot wide driveways that will provide direct access to each garage. The driveways range in depth from 40 to 95 feet serving from three to ten units.

Proposed Units

There will be two building types identified as either a 5-Plex or 10-Plex. These building types will contain either five or ten units in a single building with a mix of two different unit types. The larger 10-Plexes will be arranged along a north, east and west perimeter/property lines with the remaining four 5-Plexes arranged perpendicular to 151st Street behind the 10 plexes.

The proposed units will have three and four bedrooms with three to four bathrooms. All units have an attached 2-car side by side or tandem garage. Each ground floor unit will have a front porch space, and a second floor balcony for private space. Some units will have a third floor balcony as well.

Refer to the table below for the unit type breakdown.

Unit Type	No. of Units/Type	Habitable (sq. ft.)/Type	No. Bedrooms/Baths	Parking/Unit
P-1	32	1,404	3/3	Attached 2-Car Garage
P-2	28	1,664	4/4	Attached 2-Car Garage (Tandem)

Amenities

Amenities are not required by zoning code for multi-family development in the CL zone. Projects are only required to provide a minimum of 100 square feet of usable accessible open space per unit. In the middle of the site is the common open space area for the project. This common open space area is approximately 3,510 square feet (39 x 90) and contains amenities such as a grass area, BBQ's, tables, and shade structure. The combination of the 14,072 square foot private and 3,510 square foot common open space areas more than satisfy the required 5,700 minimum of 100 square feet per unit. The mailboxes for the project are also located at the edge of the common open space area.

Staff has reviewed the private/common open space and amenities proposed and finds them acceptable and in compliance with the code.

Guest Parking

The project is proposing 16 guest parking spaces in two areas. Each eight bay guest parking area will be near each access point near 151st Street to facilitate easy use by visiting guests. This meets the code minimum of 16 spaces.

The project at a glance can be summarized in the table below.

TYPE OF DEVELOPMENT	ZONING CODE REQUIREMENT	PROVIDED	MEET ZONING CODE

STANDARD			REQUIREMENT?
Density	29 units/acre max.	24.5 units/acre max.	Yes
Maximum Building Height	75 ft.	38 feet	Yes
Building Setbacks* • Compton • Eastside yard • Westside yard • Rear yard (151st)	• 15 feet • 5 feet • 5 feet • 10 feet	• 15 feet • 5.5 feet • 6 feet • 10 feet	Yes
Open Space	100 sq. ft. per unit.	454 sq. ft. (Common and Private) per unit 234 sq. ft. (Private) per unit.	Yes
Amenities	None Required	1. BBQ's and Tables 2. Shade Structure 3. Common space	Yes
Parking	2-Car garage per unit plus 16 guest parking stalls	Attached 2-Car garage per unit plus 16 guest parking spaces.	Yes

Tentative Tract Map

The proposed condominium Tentative Tract Map is needed in order to facilitate the creation of condominiums and allow the units to be sold individually. One master lot is proposed with airspace rights for 60 dwelling units.

Traffic Impact Study

A Traffic Impact Analysis/Study was prepared for the proposed development by TJW Engineering Inc. The report evaluated the potential traffic impacts created by the proposed development. The study identified that the project will not have any adverse impact to circulation or the Compton/Dwight intersection. The project will generate 439 trips a day and an AM peak trip count of 28 and PM trip count of 34. The Compton/Dwight intersection will not experience a decrease in the existing level of service. No traffic/circulation mitigation measure are required.

Environmental Review:

In accordance with the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13 §21000 et seq.) an Initial Study (IS) for the project was prepared by Parker Environmental Consultants on behalf of the City of Compton. The City of Compton, in its capacity as Lead Agency, has determined that the proposed project requires a Mitigated Negative Declaration and mitigation-monitoring plan, as part of its environmental review. A Mitigated Negative Declaration (MND) is a determination that the proposed project will not have a significant effect on the environment with the implementation of the mitigation measures. All mitigation measures have been incorporated into the report as conditions of approval. The initial study/MND environmental document was posted in the LA County Clerk office in Norwalk, posted on the City of Compton, Community Development Department's webpage and circulated

to service providers, public agencies and adjacent property owners for a 20 day public review period from November 16, 2021 to December 5, 2021.

NOTICING

This case was properly noticed in accordance with California Government Code 65352, 65353 and 65090, Public Resources Code, Division 13 §21000 et seq. and Compton Municipal Code Sections 30-26 and 30-28. The environmental document properly noticed in accordance with CEQA requirements. Public hearing notices were sent to both owners and occupants within a 500-foot radius on November 24, 2021. Notice was also published in the Compton Bulletin on November 17th and 24th, 2021. As of December 1, 2021, no other correspondence either for or against the project have been received.

FINDINGS FOR ADOPTION OF MITIGATED NEGATIVE DECLARATION NO. 950 AND MITIGATION MONITORING AND REPORTING PROGRAM:

1. That in accordance with the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13 §21000 et seq.) an Initial Study for the project was prepared that identifies and evaluates the environmental impacts of the project.
2. That the City of Compton, in its capacity as Lead Agency, has determined that the proposed project requires a Mitigated Negative Declaration as part of its environmental review.
3. That the notice of intent along with the Initial Study/Mitigated Negative Declaration No. 950 was posted with the Los Angeles County Clerk's office in Norwalk, circulated for a 20-day public review period, mailed to abutting property owners and posted on the City's website.
4. That all environmental documents have been processed in accordance with the California Environmental Quality Act (CEQA) guidelines.
5. The approval and subsequent implementation of the proposed project *will not* have the potential to degrade the quality of the environment with the implementation of the conditions of approval.
6. The approval and subsequent implementation of the proposed project *will not* have the potential to achieve short-term goals to the disadvantage of long-term environmental goals with the implementation of the conditions of approval.
7. The approval and subsequent implementation of the proposed project *will not* have impacts that are individually limited, but cumulatively considerable, when considering the proposed development in the immediate vicinity with the implementation of the conditions of approval.
8. The approval and subsequent implementation of the proposed project *will not* have environmental effects that will adversely affect humans, either directly or indirectly with the implementation of the conditions of approval.

FINDINGS FOR AN APPROVAL RECOMMENDATION OF GENERAL PLAN AMENDMENT ZONE CASE NO. 2021-002:

1. That the change of zone from Medium Density Residential (MDR) to General Commercial (GC) will be in conformance with the existing zoning of Limited Commercial and will achieve a higher consistency between the General Plan and Zoning map.

2. That the change of zone from Medium Density Residential (MDR) to General Commercial (GC) is more suitable for the subject site in that the new land use designation will be consistent with existing land use patterns of higher density residential development and zoning.
3. That the change of zone from Medium Density Residential (MDR) to General Commercial (GC) will not be detrimental to the surrounding area in that the GPA will maintain the ability of the site to develop both residential and commercial projects as single uses or as a mixed use project. The general plan amendment will allow for development of a residential project with affordable housing.

FINDINGS FOR AN APPROVAL RECOMMENDATION OF CHANGE OF ZONE CASE NO. 2021-003:

1. That the change of zone from Parking (P) to Limited Commercial (CL) will be in conformance with the existing Limited Commercial zoning on the site and the new general plan land use designation of General Commercial. The GPA will achieve a higher level of consistency between the General Plan and Zoning map and have one zone on the lot.
2. That the change of zone removing the Parking (P) zone and leaving the site as Limited Commercial (CL) is more suitable for the subject site in that the zoning will be consistent with the project and existing land use patterns of development in that higher density residential use proposed will be consistent with the Limited Commercial zone and serve as a transition from a major thoroughfare (Compton Blvd.) to less intense land uses.
3. That the change of zone from Parking (P) to Limited Commercial (CL) will not be detrimental to the surrounding area in that the site is already intended for medium density residential development. The proposed zone change will allow for a slightly higher density and will serve as a transition development from the heavily trafficked Compton Blvd., eliminate blight, develop a vacant successor owned site and provide additional affordable housing opportunities, result in a single zone for the lot and help encourage additional redevelopment in the area.

FINDINGS FOR AN APPROVAL RECOMMENDATION OF CONDITIONAL USE PERMIT CASE NO. 2021-008:

1. That the proposed 60-unit detached, planned condominium development on a 2.5 acre site will be compliant with all applicable provisions of the Zoning Ordinance with implementation of the conditions of approval.
2. That the proposed 60-unit detached, planned condominium development on a 2.45 acre site will not be detrimental to the public welfare or the surrounding area with implementation of all the conditions of approval and will eliminate a vacant lot causing blight.
3. That the proposed 60-unit detached, planned condominium development on a 2.45 acre site will be substantially in conformance with the goals and objectives of the General Plan and compatible with the existing patterns and development in the surrounding area with implementation of the conditions of approval and will provide additional affordable housing units, and help encourage additional redevelopment in the area.

FINDINGS FOR AN APPROVAL RECOMMENDATION OF TENTATIVE TRACT MAP NO. 83807:

1. That the proposed subdivision for condominium purposes will substantially comply with the new General Plan land use designation and zoning classification with the implementation of the conditions of approval.
2. That the project conforms to the State Subdivision Map Act and the State Seismic Hazards Mapping Act (SHMA) of 1999 and Chapter 28 of the Compton Municipal Code.
3. That the proposed subdivision for condominium purposes is located on a site that is physically suitable for residential development and will eliminate blight and provide greater housing opportunities, and help encourage additional development in the area.

Conditions of Approval: CUP 21-008

1. That the proposed development shall be contingent on the adoption of Mitigated Negative Declaration No. 950, approval and adoption of General Plan Amendment Case No. 2021-002, approval and adoption of Change of Zone Case No. 21-003, approval and recordation of Tract Map No. 83807, approval of Conditional Use Permits Case No. 2021-008.
2. That prior to building permit issuance, a surety bond shall be posted with the City by the applicant and/or developer of the planned condominium development, in the amount as determined adequate by the Public Works Director and/or Fire Chief and/or Water Department Manager, for the purpose of assurance of maintenance of utilities, fire equipment, roadways and other portions of the development which impact the public health, safety and welfare. The bond must be maintained for the life of the planned condominium development. The cost of the bond shall be the responsibility of the applicant and/or developer until 75% of all units have been transferred to private ownership at which point the home owner's association shall become responsible for maintenance of said bond.
3. The Conditions, Covenants and Restrictions (CC&R's) must be reviewed and approved by the City of Compton Attorney's Office prior to Final Map approval and prior to recordation of CC&R's. The CC&R's must also incorporate language as mandated by Section 30-18.5(e) of the Compton Municipal Code.
4. That the future Home Owner's Association (HOA) shall be under continuous professional management at all times.
5. That precise plans and details for the following items shall be subject to design review and must be approved by the Community Development Department prior to Building & Safety plan-check:
    - Landscape and irrigation plans;
    - BBQ area;
6. That each unit shall have separate utility service individually metered (i.e. electric, water, gas, etc.).
7. All units shall be equipped with forced air ventilation, heating and cooling so that windows may remain closed to reduce exterior noise levels within the units.
8. That the applicant and/or developer shall install roll-up garage door with remote openers.
9. All dwelling units shall be prewired for both internet, security cameras and satellite/cable television.

10. That it is the developer's and/or HOA's responsibility to maintain all common area lighting in good working order at all times.
11. If an archaeological resource is encountered during ground-disturbing activities, work within 50 feet of the find must halt and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology must be contacted immediately to evaluate the find. If the discovery proves to be significant under CEQA, additional work such as data recovery excavation may be warranted.
12. The on-site monitoring shall end when the project site excavation activities are completed, or sooner if the archaeologist indicates that the site has a low potential for archeological resources. During monitoring, the archaeologist shall complete monitoring logs on a daily basis. The logs will provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. Following completion of monitoring, the archaeologist shall prepare a summary memorandum of finds, their significance under CEQA and their disposition. (*Note: The California Historical Resources Information System contains a listing of qualified archaeologists at www.chrisinfo.org.)
13. The discovery of human remains is always a possibility during ground-disturbing activities. If human remains are found, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the county coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the county coroner must be notified immediately. If the human remains are determined to be prehistoric, the coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a most likely descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.
14. The Project shall locate HVAC equipment behind a noise screening wall and/or shielded from line of sight of any adjacent residential property.
15. Project design shall demonstrate that interior noise levels due to exterior sources are reduced to a CNEL or a day-night level (LDN) of 45 dBA, in any habitable room. Measures incorporated in the Project design will include the following or equivalent subject to City Building Division approval:
16. Compliance with California Title 24 building insulation requirements for exterior walls, roofs and common separating assemblies;
17. All units equipped with adequate fresh air ventilation, per the requirements of the California Building Standards Code, to meet the interior noise standard with a windows closed condition;
18. Prior to issuance of a certificate of occupancy, the Applicant shall Install stop sign, stop bar and stop legend for outbound traffic at the 151st Street driveways.
19. The limited use area (area where a clear line of sight is maintained by not installing tall landscaping over 30 inches high or monumentation, etc.) shall be used for the purpose of prohibiting or clearing obstructions to maintain adequate sight distance along 151st Street. Limited use area to be kept clear of all obstructions over 30 inches high, including vegetation. No trees, walls, or any obstructions shall be allowed in the limited use area.

20. If potential Native American resources are uncovered during grading, the applicant shall be required to halt work within 50 feet of the find, inform the Director of Community Development or his/her designee immediately and retain a qualified professional archaeologist and an experienced and certified Native American monitor of Gabrieleño heritage to examine the material to determine whether it is a "unique cultural resource" as defined in Section 21083.2 (g) of the State CEQA Statues. If this determination is positive, the scientifically consequential information shall be fully recovered by the archaeologist and Native American monitor. Work may continue outside the area of the find. However, no further work shall occur in the immediate location of the find until all information recovery has been completed and a report concerning same filed with the County, a designated repository as appropriate and made available to interested representatives of Native American tribes that are traditionally and culturally affiliated with the Project area.
21. Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.
22. The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.
23. Construction shall occur during the hours of 7:00 AM to 7:00 PM.
24. Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.
25. Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.
26. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.
27. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging
28. Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible
29. Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal Code section 17-12.22 Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.
30. Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.
31. That the residents of each unit shall use their garage for onsite resident parking and shall not parking in the driveway. The onsite garage of each unit shall remain free at all times of any obstruction or materials preventing the parking of two full sized personal vehicles.

Conditions of Approval Tentative Tract Map 82807

1. That the proposed development shall be contingent on the adoption of Mitigated Negative Declaration No. 950, approval and adoption of General Plan Amendment Case No. 2021-001, approval, approval and recordation of Tract Map No. 83807, approval of Conditional Use Permits Case No. 2021-008, Change of Zone case No. 2021-003.
2. That in accordance with Section 28.4.23 of the Compton Municipal Code, fee in lieu of dedication of land, shall be allocated to the Department of Parks and Recreation in an amount equal to 9.7% of the fair market value of the land comprising the subdivision. That said fees shall be payable prior to issuance of certificate of occupancy for the units.
3. That the applicant and/or developer shall file with the City all deposits and bonds as the City Engineer and/or City Building Official determines as necessary to comply with Section 28-11 of the Compton Municipal Code.
4. That any required CC&R's for the subject subdivision shall be subject to review and approval by the City Attorney prior to approval of the Final Map.
5. That each unit shall have separate utility service individually metered (i.e. electric, water, gas, etc.).
6. That the applicant and/or developer shall replace and/or repair sidewalks, curbs, gutters or parkways located adjacent to the subject site along 151st Street as required and directed by the Public Works Director.
7. That grading, drainage, and hydrology plans, as required by Public Works Department, shall be submitted to and approved by the City Engineer prior to submittal of Final Map.
8. That a plan for providing water service to the subdivision, including all necessary easements and meter locations, shall be submitted to and approved by the Public Works and Water Departments prior to submission of the Final Map. Water lines, including any required upgrades shall be built to City standards.
9. That a plan for providing sewer service to the subdivision including all necessary easements and sewer line upgrades, shall be submitted to and approved by the City Engineer and that the sewer lines, including upgrades shall be built to City standards.
10. The elevations of all building pad(s) shall be above the flood level per the current L.A. CO. Flood Control Districts requirements [LACFCD]. Submit Hydrology/Hydraulics Analysis in compliance with the L.A.C.F.C.D.'s requirements for review/approval by the City.
11. The proposed development shall comply with all applicable state or federal laws and regulations including but not limited to National Pollutant Discharge Elimination System NPDES [LID, SUSMP, etc] requirements.
12. That prior to Final Map approval, the final site and circulation plan must be reviewed and approved by the City of Compton Fire Department to ensure the development conforms with the following but not limited to: fire hydrants, fire lanes, development access point, etc.
13. That Tentative Parcel Map No. 83807 shall expire 24 months after City Council approval except as provided under the provisions of California Government Code Section 66452.6 unless extended an additional 24 months as provided for in SB 9. The subdivision

proposed by Tentative Parcel Map No.83433 shall not be effective until such time that a final map is recorded.

14. That preparation and recordation of the Final Map shall meet all requirements of the Subdivision Map Act and Chapter 28 inclusive of the Compton Municipal Code.
15. That the Final Map shall be approved by City Council and recorded prior to issuance of a Building permits excluding all model units.
16. That a copy of the Final Map and copies of all improvement plans shall be submitted to the Planning Department and Public Works Department for inclusion in project files prior to approval of the Final Map by the City Engineer.
17. If an archaeological resource is encountered during ground-disturbing activities, work within 50 feet of the find must halt and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology must be contacted immediately to evaluate the find. If the discovery proves to be significant under CEQA, additional work such as data recovery excavation may be warranted.

    The on-site monitoring shall end when the project site excavation activities are completed, or sooner if the archaeologist indicates that the site has a low potential for archeological resources. During monitoring, the archaeologist shall complete monitoring logs on a daily basis. The logs will provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. Following completion of monitoring, the archaeologist shall prepare a summary memorandum of finds, their significance under CEQA and their disposition. (*Note: The California Historical Resources Information System contains a listing of qualified archaeologists at www.chrisinfo.org.)
18. The discovery of human remains is always a possibility during ground-disturbing activities. If human remains are found, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the county coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the county coroner must be notified immediately. If the human remains are determined to be prehistoric, the coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a most likely descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.
19. The Project shall locate HVAC equipment behind a noise screening wall and/or shielded from line of sight of any adjacent residential property.
20. Prior to issuance of a certificate of occupancy, install stop sign, stop bar and stop legend for outbound traffic at the 151st Street driveways.
21. The limited use area (area where a clear line of sight is maintained by not installing tall landscaping over 30 inches high or monumentation, etc.) shall be used for the purpose of prohibiting or clearing obstructions to maintain adequate sight distance along 151st Street. Limited use area to be kept clear of all obstructions over 30 inches high, including vegetation. No trees, walls, or any obstructions shall be allowed in the limited use area.

22. If potential Native American resources are uncovered during grading, the applicant shall be required to halt work within 50 feet of the find, inform the Director of Community Development or his/her designee immediately and retain a qualified professional archaeologist and an experienced and certified Native American monitor of Gabrieleño heritage to examine the material to determine whether it is a "unique cultural resource" as defined in Section 21083.2 (g) of the State CEQA Statues. If this determination is positive, the scientifically consequential information shall be fully recovered by the archaeologist and Native American monitor. Work may continue outside the area of the find. However, no further work shall occur in the immediate location of the find until all information recovery has been completed and a report concerning same filed with the County, a designated repository as appropriate and made available to interested representatives of Native American tribes that are traditionally and culturally affiliated with the Project area.
23. Prior to building permit issuance, the developer shall ensure that the design of the buildings shall reduce the number of reflective surfaces used in the construction to minimize new sources of glare. Exterior building materials shall use earth tone colors with low reflectance. Any bare metallic surfaces found on infrastructures such as pipes and poles shall be painted to minimize reflectance and glare.
24. The windows and sliding glass doors facing the West Compton Boulevard shall require a minimum STC rating of 26 for the 1st and 2nd floors.
25. Construction shall occur during the hours of 7:00 AM to 7:00 PM.
26. Stationary construction noise sources such as generators or pumps should be located as far as feasibly possible from any existing adjacent residential units, as feasible.
27. Construction staging areas should be located as far as feasibly possible from any adjacent sensitive land uses as feasible.
28. During construction, the contactor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.
29. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging
30. Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than track equipment), to the maximum extent feasible
31. Prior to any lane closure or detour, the developer shall submit a Construction Traffic Management Plan per the California M.U.T.C.D. for review and approval by the City Engineer. The plan shall include, but not be limited to, signing, truck routes per the City of Compton Approved Truck Route Map (Figure C-4 of the General Plan Visions 2010), and construction hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday per the Municipal Code section 17-12.22 Section 7-12. 22 – Construction or Repairing of Buildings, Pile Drivers, Hoists, Steam Shovels of the City of Compton Municipal Code.
32. Approximately six-feet of red-curb shall be painted on both sides of the driveways and Section 3B.19 of Section 405.1 of the Highway Design Manual standards shall be applied.

33. That construction and property development shall comply with all applicable Federal, State, County, Local Codes, including but not limited to the Compton Municipal Codes, Building Codes, Fire Codes, Housing Codes, Zoning Codes, etc.
34. That a copy of these conditions of approval shall be attached to the plan-check set of plans submitted to the Building Department for plan check as a detail sheet.
35. That the applicant or property owner shall be responsible for maintenance of the property in accordance with all applicable local ordinances.
36. If required by the Fire Department, a California licensed Professional Engineer must prepare a water pressure analysis for the project and shall be submitted for review and approval by the City Public Works/Municipal Utilities Department.
37. Prior to the issuance of the certificate of occupancy, the applicant and/or developer must implement all Fire Department requirements, which may include, but are not limited to, emergency access, parking prohibitions, fire sprinklers, on-site fire hydrants, fire escapes, fire alarms etc.
38. That all emergency and fire access points and fire lanes shall be maintained free of obstructions at all times.
39. That the applicant, property manager/HOA, or other responsible party shall be required to implement graffiti removal within three (3) days of notification by the City.
40. That the interior and exterior of the property shall be maintained free of trash and debris, and that suitable trash bins shall be maintained on site throughout the construction period.
41. That all conditions of this approval shall be recorded so that future owners/operators will be informed of rights and restrictions placed on the property while this approval is in force.
42. That the residents of each unit shall use their garage for onsite resident parking and shall not parking in the driveway. The onsite garage of each unit shall remain free at all times of any obstruction or materials preventing the parking of two full sized personal vehicles.
43. That failure, at any time, to exercise this use (development of 60 condominiums) for 24 consecutive months subsequent to the date of approval unless extended an additional 24 months as provided for in SB 9, shall render the Conditional Use Permit and Tentative Tract Map approvals automatically null and void without benefit of public hearing or notice of action, unless extended by the Planning Commission prior to the date of expiration.

RECOMMENDATION

Staff supports the proposed General Plan Amendment, Change of Zone, Conditional Use Permit Tentative Tract Map and Mitigated Negative Declaration and would recommend that the Planning Commission take the following actions:

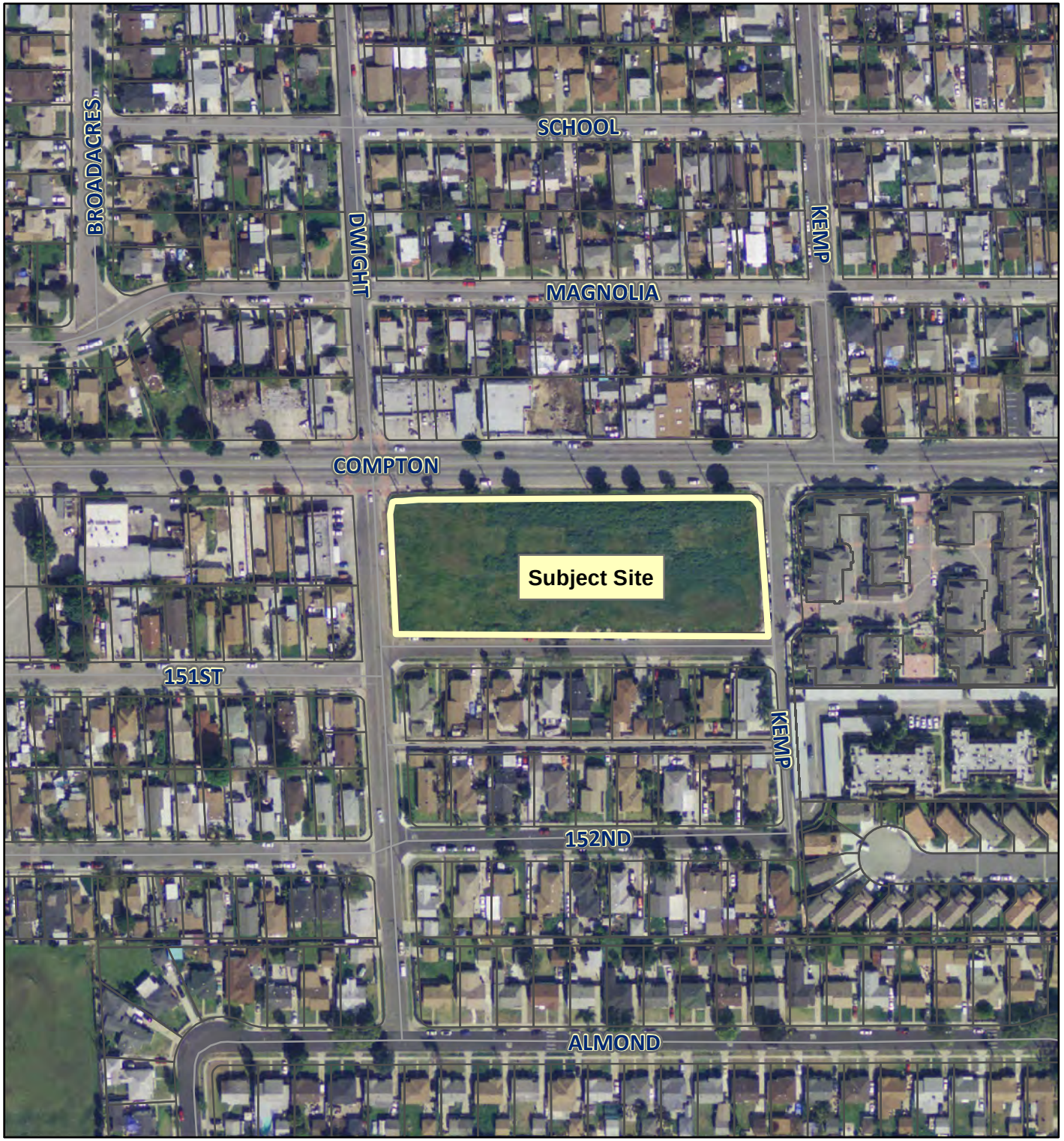
Therefore, staff is bringing the following actions for the Planning Commission to consider:

1. Adoption of Mitigated Negative Declaration No. 950 and Mitigation Monitoring and Reporting Program;

2. Recommend approval to the City Council of proposed General Plan Amendment Case No. 2021-001.
3. Recommend approval to the City Council of proposed Change of Zone Case No. 2021-003.
4. Approval of Conditional Use Permit Case No. 2021-08 subject to the attached conditions of approval.
5. Recommend approval to the City Council of proposed Tentative Tract Map 82807, Case No. 2021-001;

Exhibits

1) Aerial Map
2) General Plan Map
3) Zoning Map
4) Initial Study/Negative Declaration No. 950 and Mitigation Monitoring and Reporting Program;
5) Project Plans



CITY OF COMPTON

AERIAL MAP

General Plan Amendment Case No. 2021-001
Change of Zone Case No. 2021-003
Conditional Use Permit Case No. 2021-008
Tentative Tract Map No. 82807 2021-001
Mitigated Negative Declaration No. 950
930 W. Compton Blvd.
APN: 6161-001-902

Legend

City Limits

parcels

N

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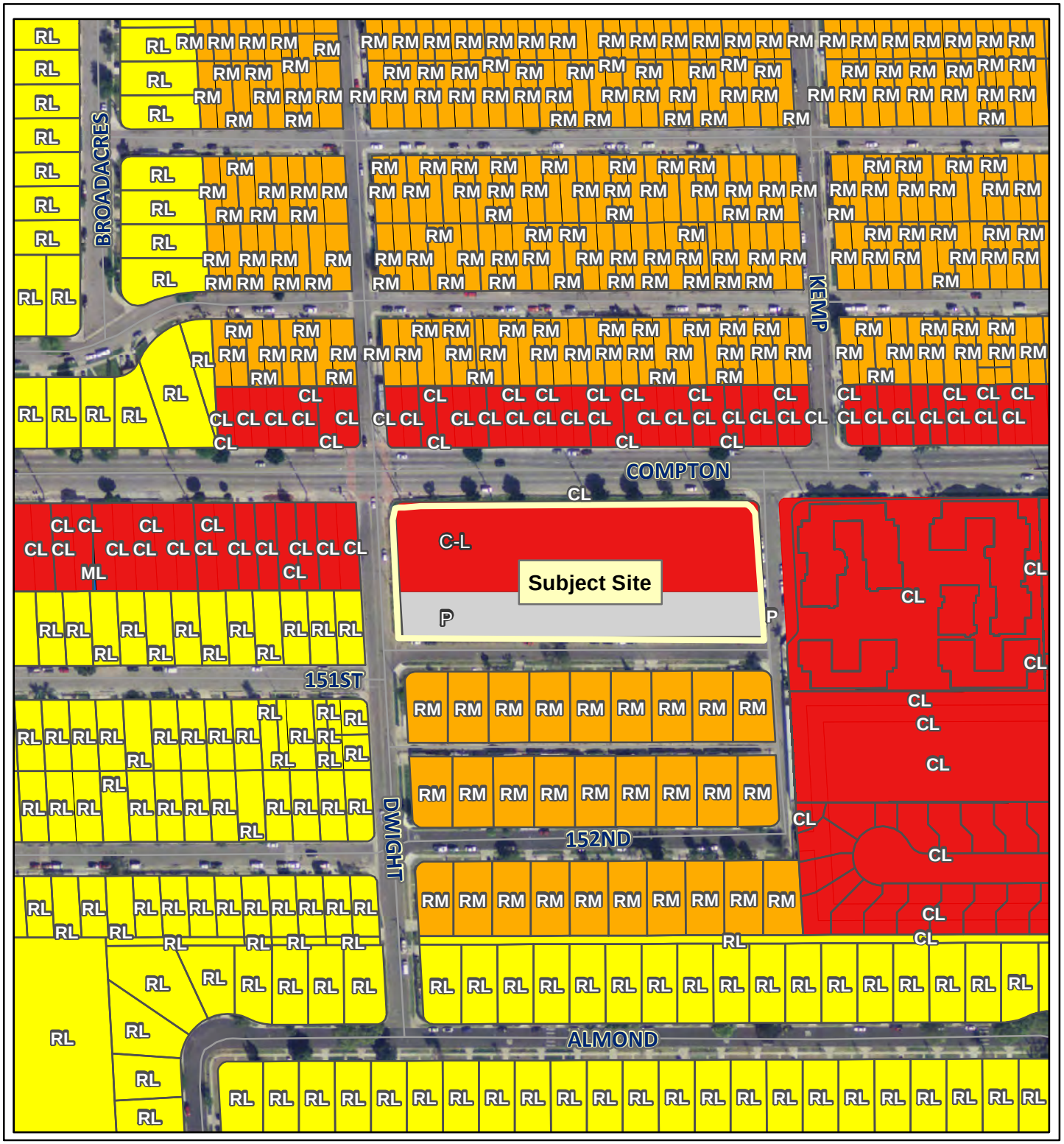
CITY OF COMPTON

ZONING MAP

General Plan Amendment Case No. 2021-001
Change of Zone Case No. 2021-003
Conditional Use Permit Case No. 2021-008
Tentative Tract Map No. 82807 2021-001
Mitigated Negative Declaration No. 950
930 W. Compton Blvd.
APN: 6161-001-902



Legend

- City Limits
- parcels
- RA - Residential Agriculture
- RL - Low Density Residential
- RM - Medium Density Residential
- RH - High Density Residential
- P - Parking
- PRL - Parking/Low Density Residential
- PRM - Parking/Medium Density Residential
- PRH - Parking/High Density Residential
- CL - Limited Commercial
- CM - Commercial Manufacturing
- ML - Limited Manufacturing
- MH - Heavy Manufacturing
- B - Buffer
- LAC - Los Angeles County
- UNZONED

N

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CITY OF COMPTON

GENERAL PLAN MAP

General Plan Amendment Case No. 2021-001
Change of Zone Case No. 2021-003
Conditional Use Permit Case No. 2021-008
Tentative Tract Map No. 82807 2021-001
Mitigated Negative Declaration No. 950
930 W. Compton Blvd.
APN: 6161-001-902

Legend

- City Limits
- parcels
- Low Density Residential <8.0 du/ac
- Medium Density Residential 8.1-17.0 du/ac
- High Density Residential 17.1-34.0 du/ac
- General Commercial
- Mixed Use
- Industrial
- Open Space/Parks
- Public/Quasi-Public
- Transportation

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