

APN 007-171-008
IMPROVEMENT PLANS
FOR
INTERIM HOUSING SHELTER SOLUTIONS PROJECT
900 HOPPER STREET
PETALUMA CALIFORNIA

CONSULTANTS

CIVIL ENGINEER	STEVEN J. LAFRANCHI & ASSOCIATES, INC. STEVEN LAFRANCHI 140 SECOND STREET, SUITE 312 PETALUMA, CALIFORNIA 94952 707.762.3122 VOICE 707.762.3239 FAX steve@sjla.com
LAND SURVEYOR	
LANDSCAPE ARCHITECT	
ARCHITECT	MAD ARCHITECTURE INC. 12 WESTERN AVENUE, SUITE 2 PETALUMA, CALIFORNIA 94952 707.765.9222 VOICE chrisheath@madarc.com
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ABBREVIATIONS

AC	ASPHALT CONCRETE	PVC	POLYVINYL CHLORIDE PIPE
APN	ASSESSOR'S PARCEL NUMBER	R.C.E.	REGISTERED CIVIL ENGINEER
BC	BEGINNING OF CURVE	SF	SQUARE FEET
CB	CATCH BASIN	SD	STORM DRAIN
CL, C/L	CENTERLINE	SDMH	STORM DRAIN MANHOLE
COP	CITY OF PETALUMA	SDR	STANDARD DIMENSION RATIO
EG	EXITING GROUND	SS	SANITARY SEWER
DI	DROP INLET	SSCO	SANITARY SEWER CLEAN OUT
FC	FACE OF CURVE	SSMH	SANITARY SEWER MANHOLE
FG	FINISH GRADE	TC	TOP OF CURB
FH	FIRE HYDRANT	W, WTR	WATER
GV	GATE VALVE	WM	WATER METER
HP	HIGH POINT	WV	WATER VALVE
INV, IG	INVERT GRADE		
JT	JOINT TRENCH		
LF	LINEAL FOOT		

SHEET INDEX

CIVIL LAYOUTS

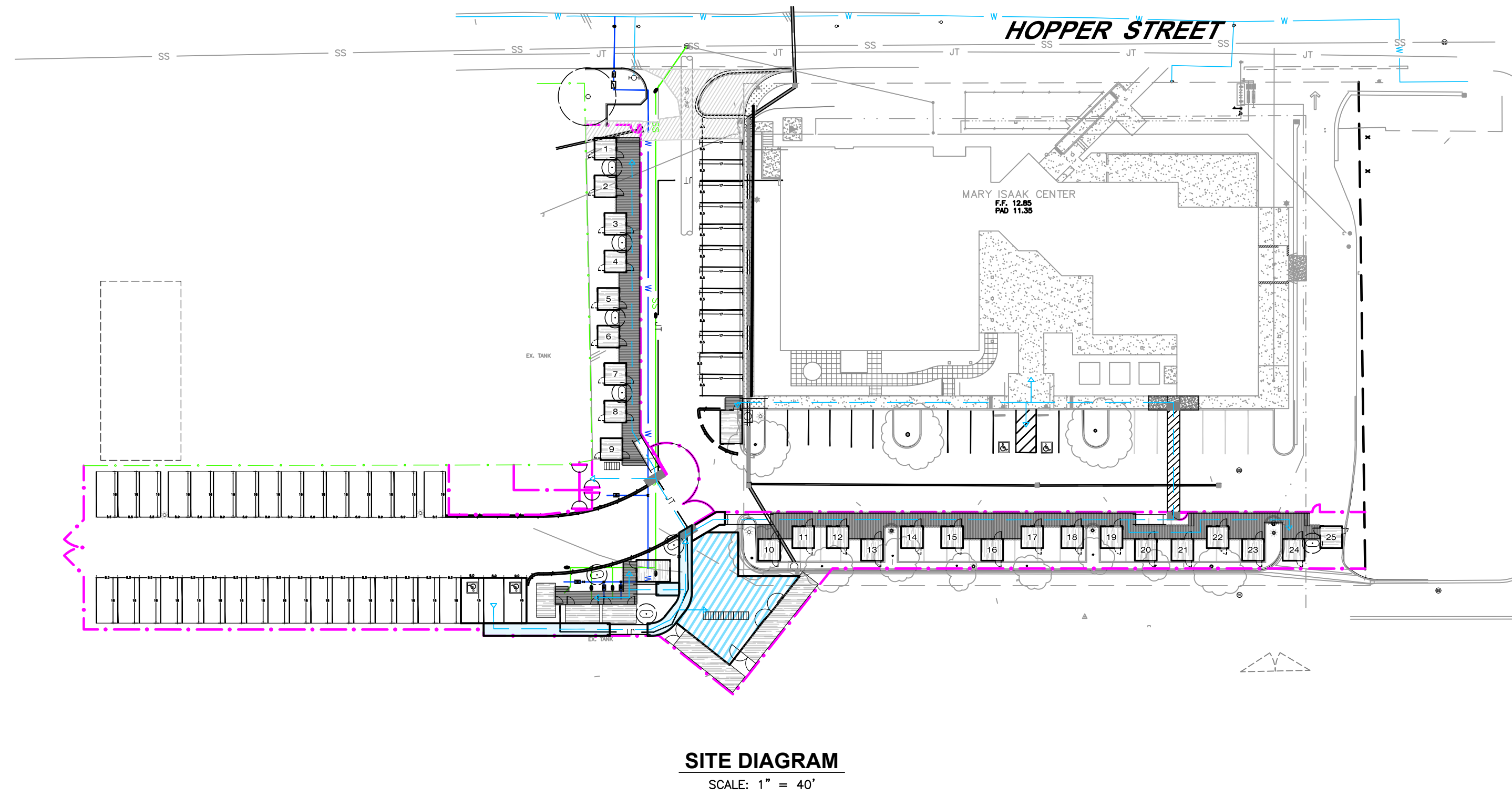
- C-1 COVER SHEET
- C-2 GENERAL NOTES
- C-3 KEYMAP PLAN
- C-4 DEMO PLAN
- C-5 GRADING DETAIL 1
- C-6 GRADING DETAIL 2
- C-7 UTILITY PLAN
- C-8 UNIT CONTEXT PLAN
- C-9 SIGNING, STRIPING PLAN
- C-10 DETAILS
- C-11 DETAILS

ARCHITECTURAL LAYOUTS

- A-1 ARCHITECTURAL SITE PLAN
- A-2 ARCHITECTURAL DETAILS

ELECTRICAL LAYOUTS

- E001 ELECTRICAL LEGEND AND ABBREVIATIONS
- E002 ELECTRICAL SHEET SPECIFICATION
- E101 SITE ELECTRICAL PLAN
- E102 PHOTOMETRIC CALCULATIONS
- E111 ELECTRICAL PLAN UNITS 1-9, RESTROOM
- E112 ELECTRICAL PLAN UNITS 10-25
- E501 ELECTRICAL DETAILS
- E502 ELECTRICAL DETAILS
- E601 DIAGRAMS ELECTRICAL SITE
- E701 SCHEDULES



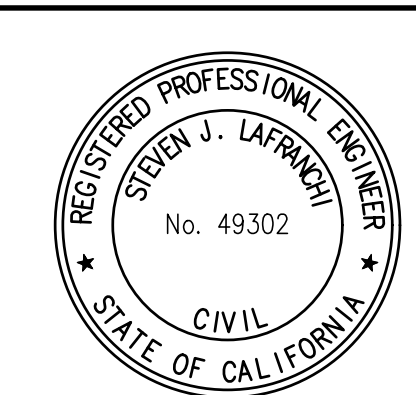
OWNER / APPLICANT

CITY OF PETALUMA PUBLIC WORKS AND UTILITIES
 PROJECT MANAGER, JOSH MINSHALL, SENIOR CIVIL ENGINEER
 202 N. McDOWELL BLVD., PETALUMA, CALIFORNIA, 94954
 707.776.3785 VOICE
 jminshall@cityofpetaluma.org

LEGEND

EXISTING	PROPOSED	(E) CHAINLINK FENCE - PRIVACY SLATS TO BE ADDED
---	---	NEW CHAINLINK FENCE WITH PRIVACY SLATS
---	---	PROPERTY LINE/RW
---	---	EASEMENT LINE
---	---	CONCRETE
---	---	CURB & GUTTER
---	---	EDGE OF PAVEMENT
---	---	ASPHALT CONCRETE
---	---	ASPHALT / CONCRETE TO BE REMOVED
---	---	PATIO
---	---	ADA WALKWAY
---	---	SANITARY SEWER/CLEANOUT
---	---	SANITARY SEWER MANHOLE
---	---	GATE VALVE
---	---	FIRE HYDRANT
---	---	WATER LINE
---	---	WATER METER
---	---	DROP INLET/STORM DRAIN
---	---	JOINT TRENCH
---	---	SURFACE FLOW
---	---	6" ASPHALT DIKE

PROJECT NO. 212262



DATE: 10/21/2021
 DESIGNED BY: NOF
 DRAWN BY: NOF
 CHECKED BY: SJL

STEVEN J. LAFRANCHI & ASSOCIATES, INC.
 CIVIL ENGINEERS - LAND SURVEYORS
 LAND PLANNERS - LANDSCAPE ARCHITECTS
 PETALUMA THEATRE SQUARE
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CITY OF PETALUMA
 PUBLIC WORKS & UTILITIES
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 PH. 707-776-4546 FAX. 707-776-4508



CITY OF PETALUMA
 INTERIM HOUSING
 SOLUTIONS PROJECT
 900 HOPPER STREET, PETALUMA CA 94952

COVER SHEET

SCALE: AS SHOWN
 SHEET
C-1
 1 OF 23

STANDARD NOTES

- 1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CITY OF PETALUMA STANDARD DETAILS AND SPECIFICATIONS
2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE BEST INFORMATION AVAILABLE...
3. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THIS PROJECT.
...
22. AN ENCROACHMENT PERMIT SHALL BE REQUIRED FOR ALL WORK WITHIN PUBLIC RIGHT OF WAY.

GENERAL NOTES

- 1. THE PROJECT ENGINEER SHALL HAVE A 48 HOUR NOTICE FOR ANY REQUIRED INSPECTIONS.
2. UNAUTHORIZED CHANGES AND USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.
3. THE CONTRACTOR SHALL BE CHARGED FOR THE COST OF ALL LABORATORY AND FIELD TESTS WHERE TEST RESULTS DO NOT MEET SPECIFICATIONS.
...
12. WATER SERVICES SHALL BE PLACED OVER THE TOP OF THE UNDERGROUND JOINT TRENCH UTILITIES. WATER SERVICES SHALL NOT BE WITHIN CURB CUTS FOR DRIVEWAYS.

SURVEY NOTES

- 1. TOPOGRAPHIC INFORMATION SHOWN HERE IS BASED UPON A FIELD SURVEY PERFORMED BY STEVEN J. LAFRANCHI & ASSOCIATES, INC. ON SEPTEMBER 30, 2021.
2. VERTICAL DATUM: NGVD29, BASED ON AERIAL MAPPING PREPARED BY TOWILL, INC. AND IS BASED ON THE CONTROL NETWORK PREPARED BY DAVID L. CRAMER, P.L.S.
3. HORIZONTAL DATUM: RECORD OF SURVEY, FILED IN BOOK 600 OF MAPS, AT PAGE 32, SONOMA COUNTY RECORDS.
...
5. THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF STEVEN J. LAFRANCHI AND ASSOCIATES, INC.

GENERAL NOTES (CON'T):

- 13. ALL WATER MAINS, WATER SERVICES AND SEWER LATERALS REQUIRING RELOCATION SHALL BE ACCURATELY LOCATED BY THE SUBDIVIDER'S CONTRACTOR AND SHOWN UPON THE CONSTRUCTION PLANS.
14. WHERE UTILITIES CROSS UNDER CURBS, THE SUBDIVIDER'S CONCRETE CONTRACTOR SHALL STAMP THE LETTER 'S' ON THE FACE OF CURB DIRECTLY ABOVE THE SEWER LATERAL.
15. GRADE BREAKS ON CURBS AND SIDEWALKS TO BE ROUNDED OFF IN FORM WORK AND FINISHED SURFACING.
...
31. THE CONSTRUCTION OF ALL GRAVITY UNDERGROUND LINES (SANITARY SEWERS AND STORM DRAINS) SHALL BEGIN AT THE MOST DOWNSTREAM END, UNLESS OTHERWISE SPECIFICALLY APPROVED BY STEVEN J. LAFRANCHI & ASSOCIATES, INC.

GRADING

- 1. THE CONTRACTOR SHALL ENLIST THE SERVICES OF A REGISTERED GEOTECHNICAL ENGINEER TO PROVIDE INTERMITTENT SITE OBSERVATIONS AND TESTING BY A QUALIFIED TECHNICIAN AND, UPON SATISFACTORY COMPLETION OF THE GRADING, A WRITTEN REPORT SUMMARIZING THE RESULTS OF THESE OBSERVATIONS AND TESTS ALONG WITH "PROFESSIONAL OPINIONS" AS TO THE ADEQUACY OF THE WORK PERFORMED BY THE CONTRACTOR.
2. CUT SLOPES SHALL BE EQUAL TO OR LESS THAN 2:1 WITH A GEOTECHNICAL ENGINEER'S WRITTEN PERMISSION.
3. ALL EXCESS SOIL MATERIAL, STUMPS AND BOULDERS SHALL BE REMOVED AND DISPOSED OR IN ACCORDANCE WITH ANY ENVIRONMENTAL REGULATIONS AND PERMIT RESOURCE MANAGEMENT DEPARTMENT GRADING ORDINANCE AS THEY MAY APPLY.
...
31. SUBGRADE AND CLASS 2 AGGREGATE BASE FOR DRIVEWAYS SHOULD BE COMPACTED TO 95% RELATIVE COMPACTION PER ASTM D1557.

PROJECT NOTES:

- 1. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH THE PETALUMA CITY ENGINEER, THE DEVELOPER OR DEVELOPER'S REPRESENTATIVE AND CIVIL ENGINEER BEFORE START OF CONSTRUCTION.
2. THE DEVELOPER'S ENGINEER WILL PROVIDE THE CONSTRUCTION STAKES. THE NUMBER AND LOCATION OF WHICH SHALL BE DETERMINED BEFORE THE CONSTRUCTION BEGINS.
3. THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE CITY ENGINEER.
...
11. ALL DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CAL GREEN REQUIREMENTS.

WATER SYSTEM

- 1. BEDDING AND BACKFILL SHALL COMPLY WITH THE CITY OF PETALUMA STANDARD SPECIFICATIONS AND STD. 219.
2. EXCAVATIONS MUST BE KEPT DEWATERED AT ALL TIMES SO AS NOT TO ALLOW CONTAMINATED WATER TO ENTER WATER MAINS.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION, DIAMETER, AND TYPE OF EXISTING PIPE SO THAT THE NEW PIPE CAN BE PROPERLY ALIGNED WITH AND FITTED TO THE EXISTING PIPE.
...
18. THE CONTRACTOR SHALL CONFIRM THE EARTHWORK QUANTITIES TO HIS SATISFACTION PRIOR TO THE START OF CONSTRUCTION AND SHALL ARRANGE FOR DISPOSAL OF EXCESS MATERIAL OR ACQUISITION OF IMPORT MATERIAL AS REQUIRED TO COMPLETE THE GRADING AS SHOWN ON THESE PLANS.

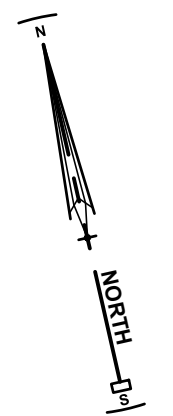
SEWER NOTES

- 1. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PETALUMA CONSTRUCTION STANDARDS AND SPECIFICATIONS, INCLUDING STANDARD DRAWINGS (LATEST REVISION).
2. THE PROJECT DESIGN ENGINEER SHALL VERIFY THE INVERT OF THE EXISTING SEWER WHEN IT IS EXPOSED AND ADJUST THE GRADE OF THE NEW SEWER CONSTRUCTION ACCORDINGLY.
3. NO BUILDING SHALL BE CONNECTED TO THE MAINLINE SEWER UNTIL THE MAINLINE SEWER HAS BEEN INSPECTED AND ACCEPTED BY THE CITY OF PETALUMA.
...
8. CONSTRUCTION SHALL BE BASED ON THE MOST CURRENT STANDARDS AT THE TIME OF CONSTRUCTION.

ASPHALT PAVING

- 1. THE MATERIAL AND METHODS USED SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF PETALUMA SPECIFICATIONS OR THE CURRENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS, EXCEPT THAT COMPACTION REQUIREMENTS FOR THE SOIL SUBGRADE AND AGGREGATE BASE ROCK SHALL BE BASED ON ASTM D-1557.
2. PAVEMENTS SHALL BE CONSTRUCTED DURING THE DRY SEASON TO AVOID THE SATURATION OF THE SUBGRADE AND BASE MATERIALS WHICH OFTEN OCCURS DURING THE WET WINTER MONTHS.
3. ASPHALT CONCRETE SHALL BE TYPE A, 1/2-INCH MAXIMUM MEDIUM GRADATION AND SHALL CONFORM TO SECTION 39 OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
...
8. AGGREGATE BASE MATERIALS SHALL BE PLACED IN ACCORDANCE WITH SECTION 26-1.04 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, LATEST EDITION.

DATE: 10/21/2021 DESIGNED BY: NOF DRAWN BY: NOF CHECKED BY: SUL
STEVEN J. LAFRANCHI & ASSOCIATES, INC. CIVIL ENGINEERS - LAND SURVEYORS LAND PLANNERS - LANDSCAPE ARCHITECTS
CITY OF PETALUMA PUBLIC WORKS & UTILITIES
202 N. McDowell Blvd., PETALUMA, CALIFORNIA, 94954 PH. 707-778-4546 FAX. 707-778-4508
CITY OF PETALUMA INTERIM HOUSING SOLUTIONS PROJECT
GENERAL NOTES
PROJECT NO. 212282
REGISTERED PROFESSIONAL ENGINEER STEVEN J. LAFRANCHI No. 49302 CIVIL STATE OF CALIFORNIA
SCALE: 1" = 20' SHEET C-2 2 OF 23



SEE GRADING LAYOUT C-5 FOR
DETAIL OF FRONTAGE IMPROVEMENTS

SEE UTILITY PLAN & PROFILE ON LAYOUT C-7
SEE UNIT CONTEXT PLAN ON LAYOUT C-8

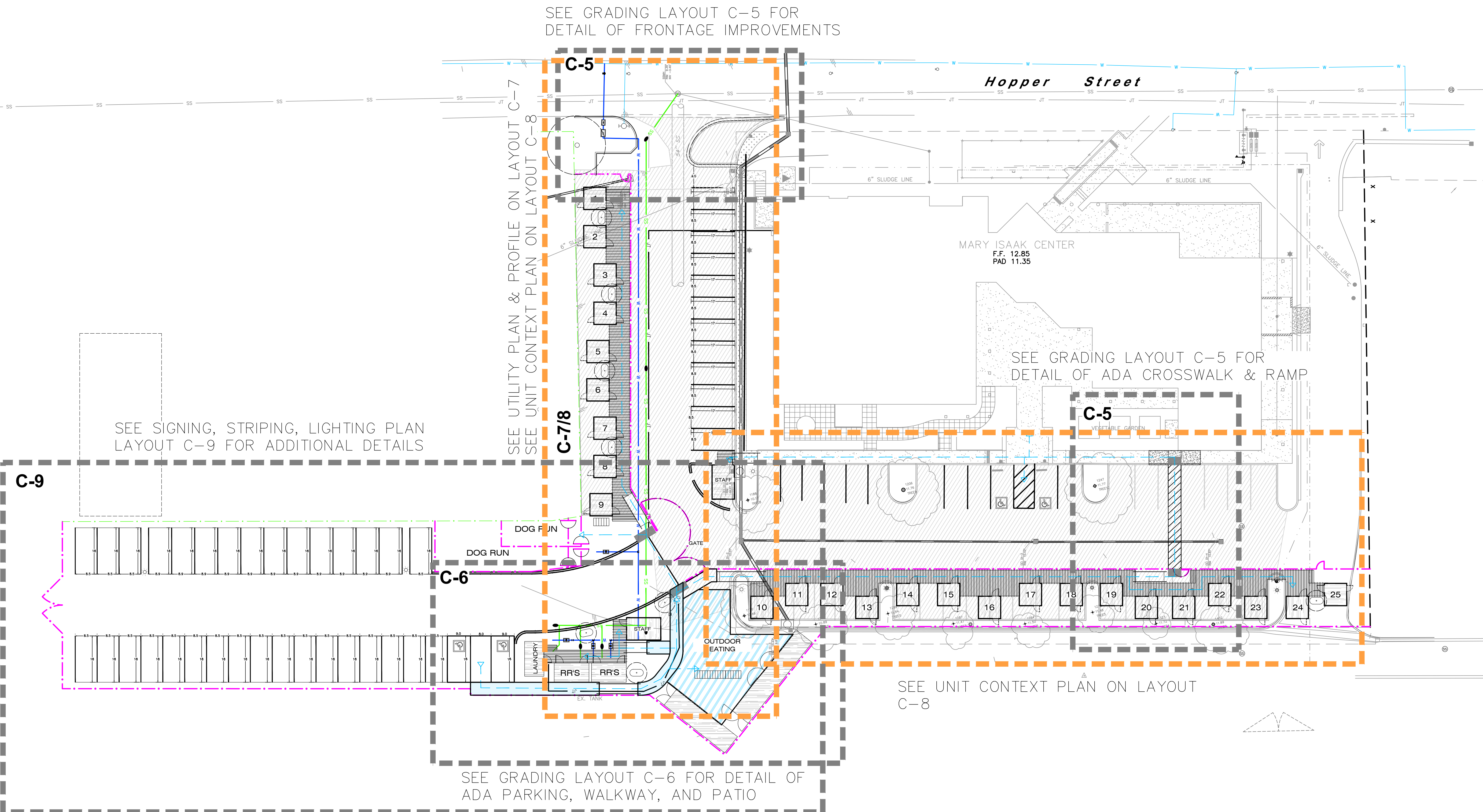
SEE SIGNING, STRIPING, LIGHTING PLAN
LAYOUT C-9 FOR ADDITIONAL DETAILS

MARY ISAAC CENTER
F.F. 12.85
PAD 11.35

SEE GRADING LAYOUT C-5 FOR
DETAIL OF ADA CROSSWALK & RAMP

SEE UNIT CONTEXT PLAN ON LAYOUT
C-8

SEE GRADING LAYOUT C-6 FOR DETAIL OF
ADA PARKING, WALKWAY, AND PATIO



PROJECT NO. 212262



SCALE: 1" = 20'
SHEET

C-3

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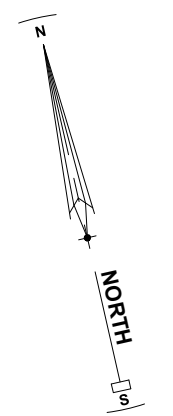
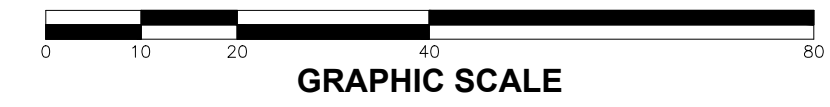
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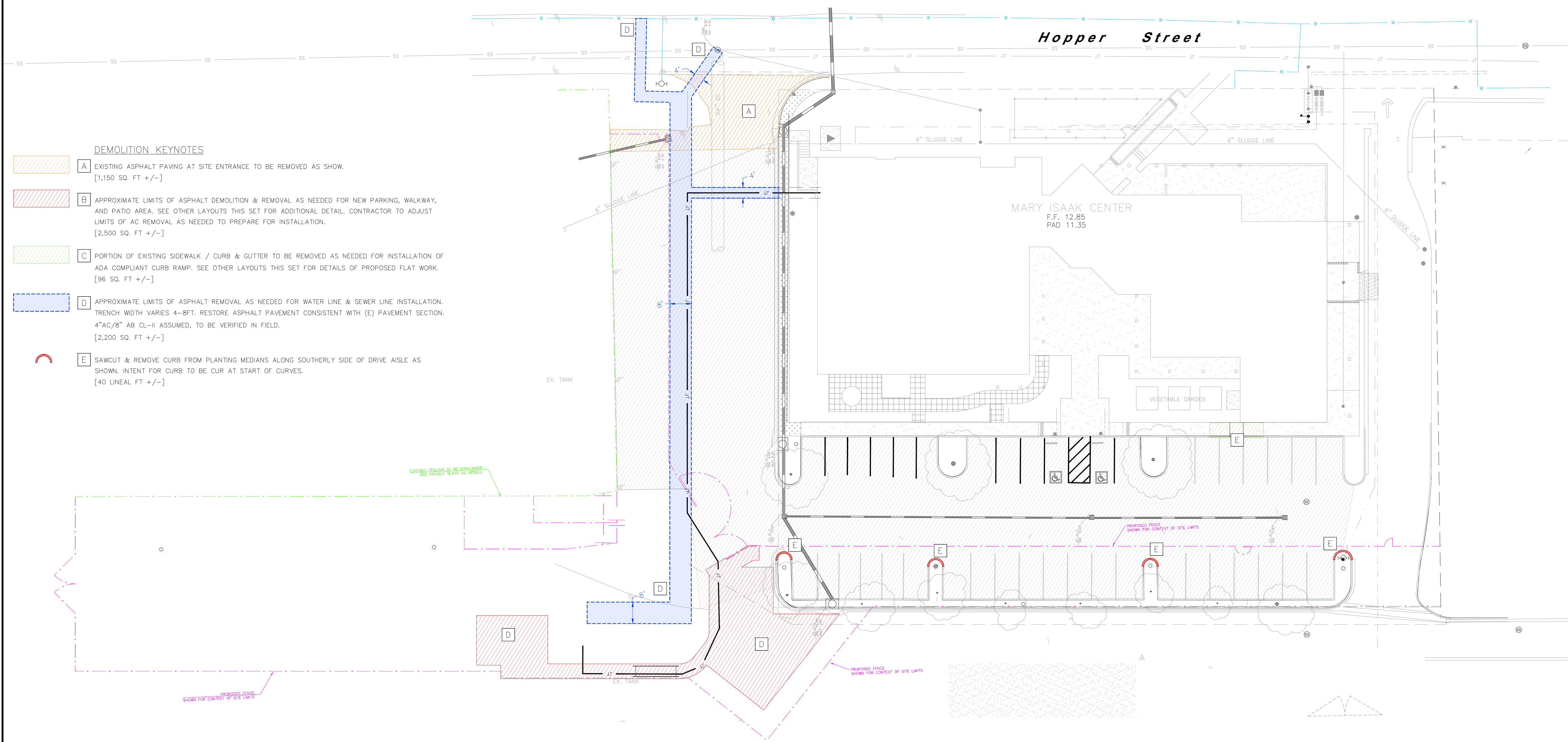
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DATE: 10/21/2021
DESIGNED BY: NOF
DRAWN BY: NOF
CHECKED BY: SJL



- DEMOLITION KEYNOTES**
- A** EXISTING ASPHALT PAVING AT SITE ENTRANCE TO BE REMOVED AS SHOWN. [1,150 SQ. FT +/-]
 - B** APPROXIMATE LIMITS OF ASPHALT DEMOLITION & REMOVAL AS NEEDED FOR NEW PARKING, WALKWAY, AND PATIO AREA. SEE OTHER LAYOUTS THIS SET FOR ADDITIONAL DETAIL. CONTRACTOR TO ADJUST LIMITS OF AC REMOVAL AS NEEDED TO PREPARE FOR INSTALLATION. [2,500 SQ. FT +/-]
 - C** PORTION OF EXISTING SIDEWALK / CURB & GUTTER TO BE REMOVED AS NEEDED FOR INSTALLATION OF ADA COMPLIANT CURB RAMP. SEE OTHER LAYOUTS THIS SET FOR DETAILS OF PROPOSED FLAT WORK. [96 SQ. FT +/-]
 - D** APPROXIMATE LIMITS OF ASPHALT REMOVAL AS NEEDED FOR WATER LINE & SEWER LINE INSTALLATION. TRENCH WIDTH VARIES 4-8FT. RESTORE ASPHALT PAVEMENT CONSISTENT WITH (E) PAVEMENT SECTION. 4"AC/8" AB CL-II ASSUMED, TO BE VERIFIED IN FIELD. [2,200 SQ. FT +/-]
 - E** SAWCUT & REMOVE CURB FROM PLANTING MEDIANS ALONG SOUTHERLY SIDE OF DRIVE AISLE AS SHOWN. INTENT FOR CURB TO BE CUR AT START OF CURVES. [40 LINEAL FT +/-]



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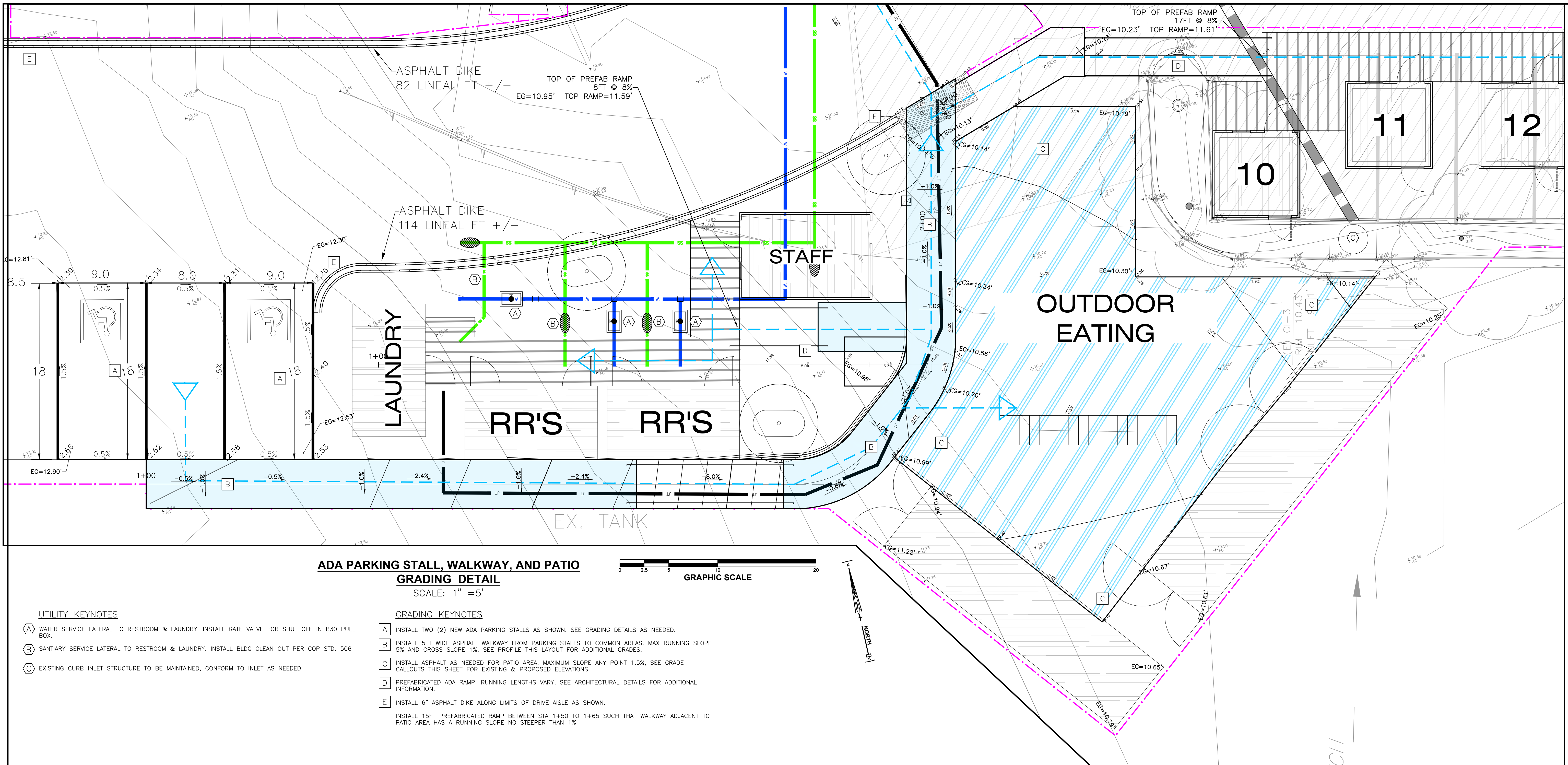
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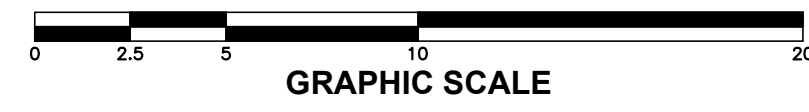


CITY OF PETALUMA
INTERIM HOUSING SOLUTIONS PROJECT
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DEMO PLAN
 SCALE: 1" = 20'
 SHEET
C-4
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ADA PARKING STALL, WALKWAY, AND PATIO GRADING DETAIL
SCALE: 1" = 5'

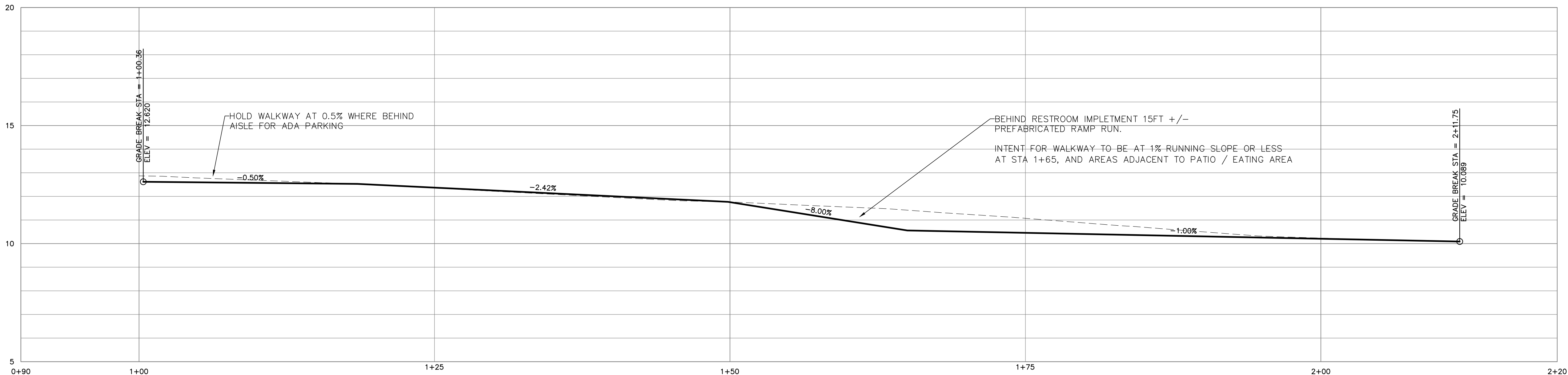


UTILITY KEYNOTES

- (A) WATER SERVICE LATERAL TO RESTROOM & LAUNDRY. INSTALL GATE VALVE FOR SHUT OFF IN B30 PULL BOX.
- (B) SANITARY SERVICE LATERAL TO RESTROOM & LAUNDRY. INSTALL BLDG CLEAN OUT PER COP STD. 506
- (C) EXISTING CURB INLET STRUCTURE TO BE MAINTAINED, CONFORM TO INLET AS NEEDED.

GRADING KEYNOTES

- (A) INSTALL TWO (2) NEW ADA PARKING STALLS AS SHOWN. SEE GRADING DETAILS AS NEEDED.
- (B) INSTALL 5FT WIDE ASPHALT WALKWAY FROM PARKING STALLS TO COMMON AREAS. MAX RUNNING SLOPE 5% AND CROSS SLOPE 1%. SEE GRADING THIS SHEET FOR ADDITIONAL GRADES.
- (C) INSTALL ASPHALT AS NEEDED FOR PATIO AREA, MAXIMUM SLOPE ANY POINT 1.5%. SEE GRADE CALLOUTS THIS SHEET FOR EXISTING & PROPOSED ELEVATIONS.
- (D) PREFABRICATED ADA RAMP, RUNNING LENGTHS VARY. SEE ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.
- (E) INSTALL 6" ASPHALT DIKE ALONG LIMITS OF DRIVE AISLE AS SHOWN.
INSTALL 15FT PREFABRICATED RAMP BETWEEN STA 1+50 TO 1+65 SUCH THAT WALKWAY ADJACENT TO PATIO AREA HAS A RUNNING SLOPE NO STEEPER THAN 1%



ADA PARK to NEXUS
SCALE: 1"=8' H, 1"=4' V

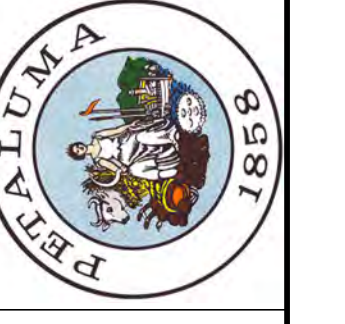
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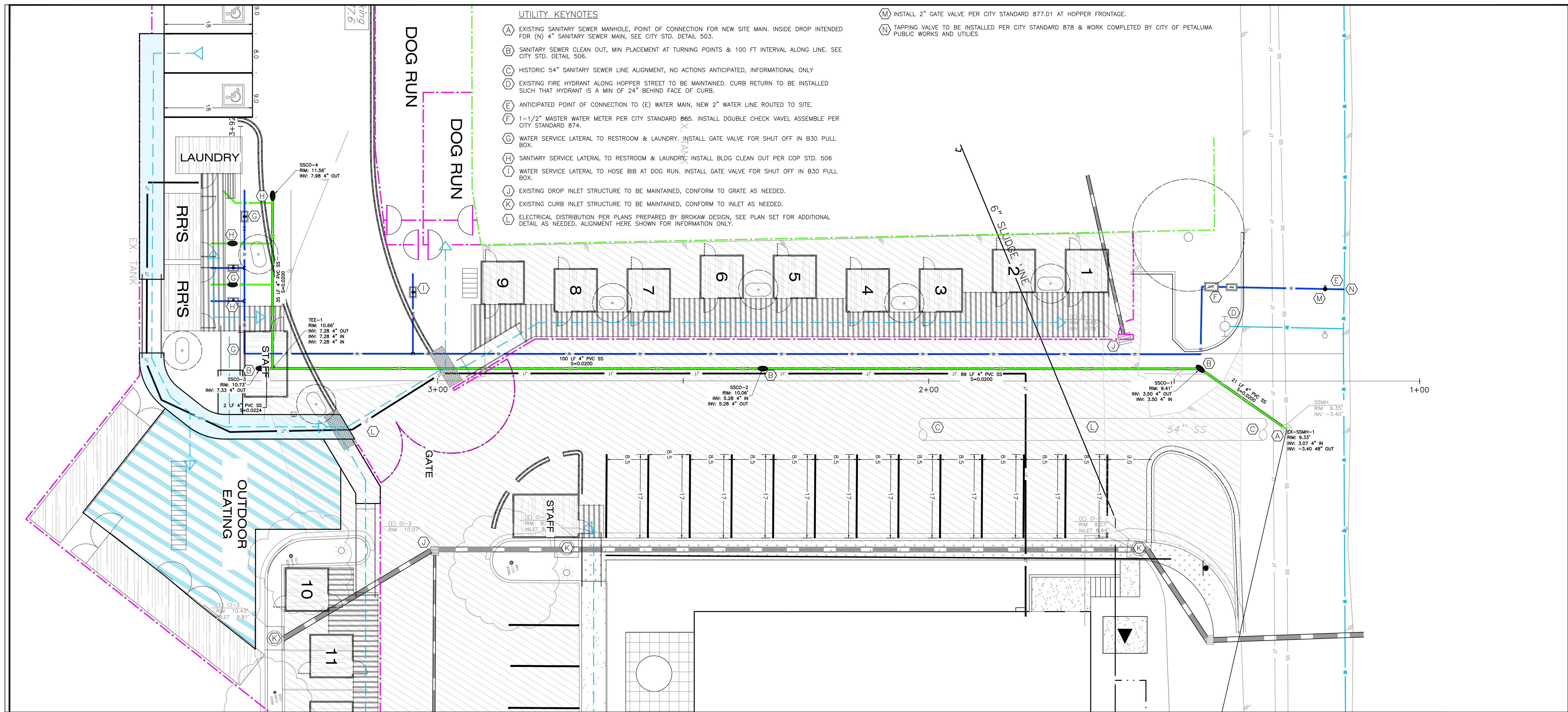
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GRADING DETAIL 2
PARKING, WALKWAY
& ADA PATIO AREA

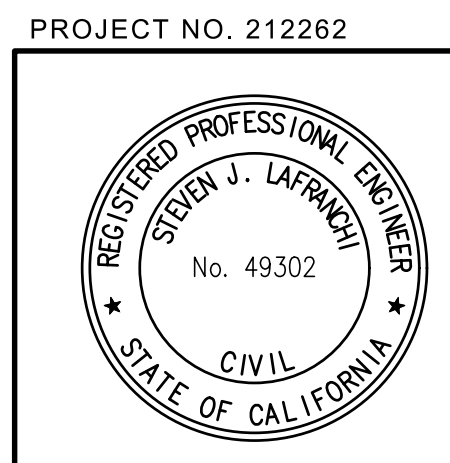
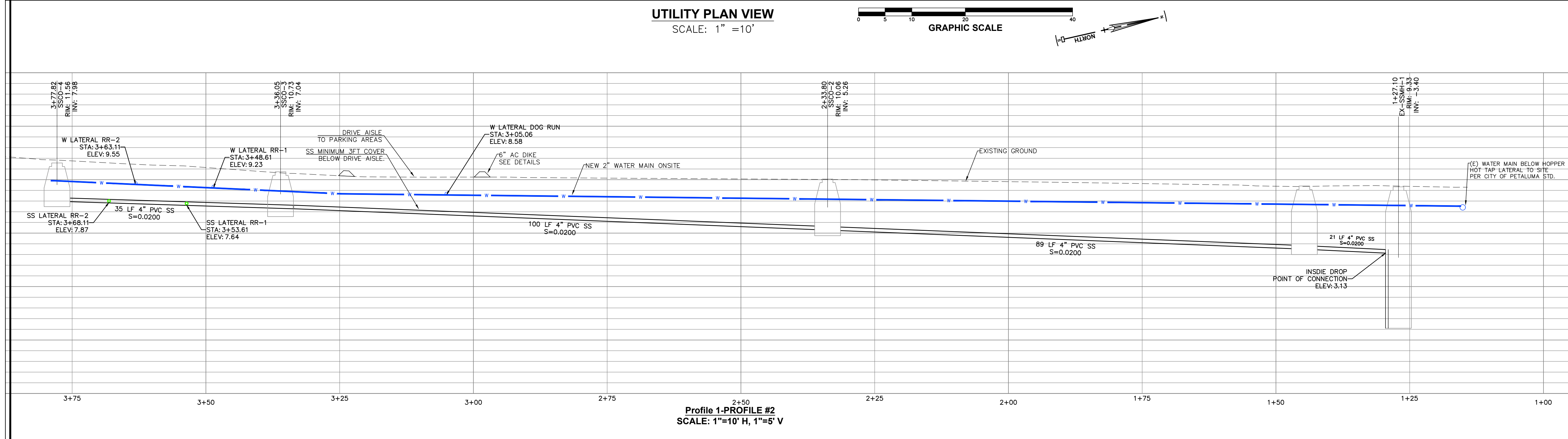
SCALE: 1" = 5'
SHEET

C-6

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UTILITY PLAN VIEW
SCALE: 1" = 10'



PROJECT NO. 212262

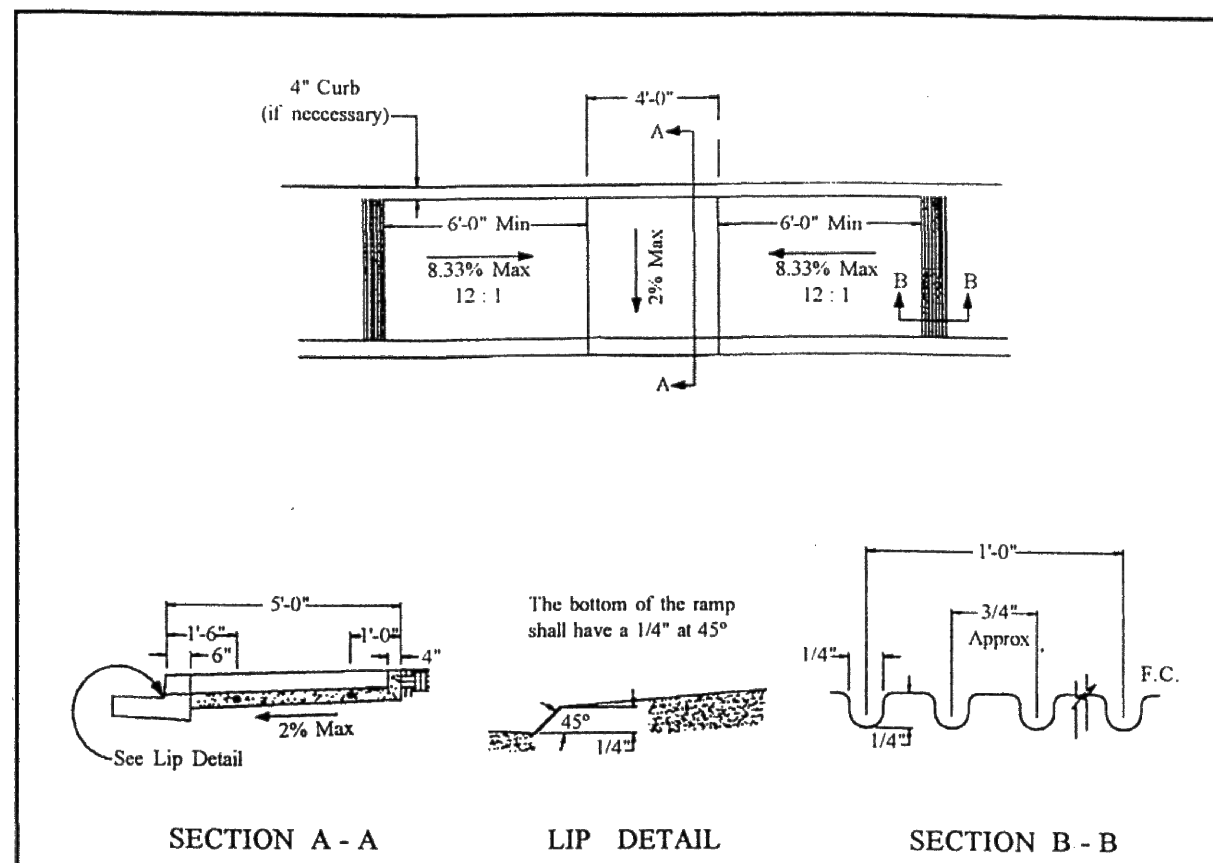
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UTILITY PLAN & PROFILE
SCALE: 1" = 10'
SHEET
C-7
7 OF 23

DATE: 10/21/2021
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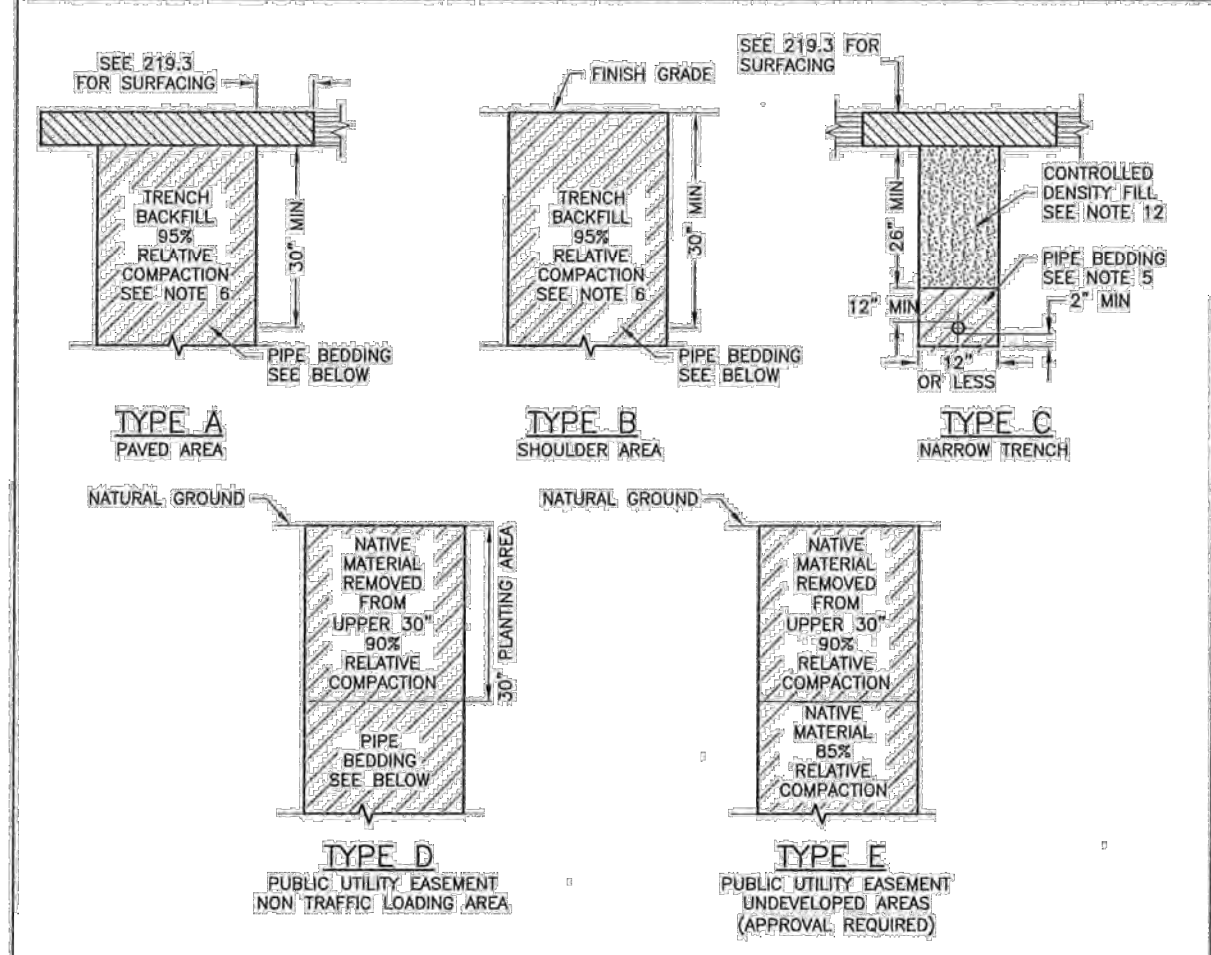


SECTION A - A LIP DETAIL SECTION B - B

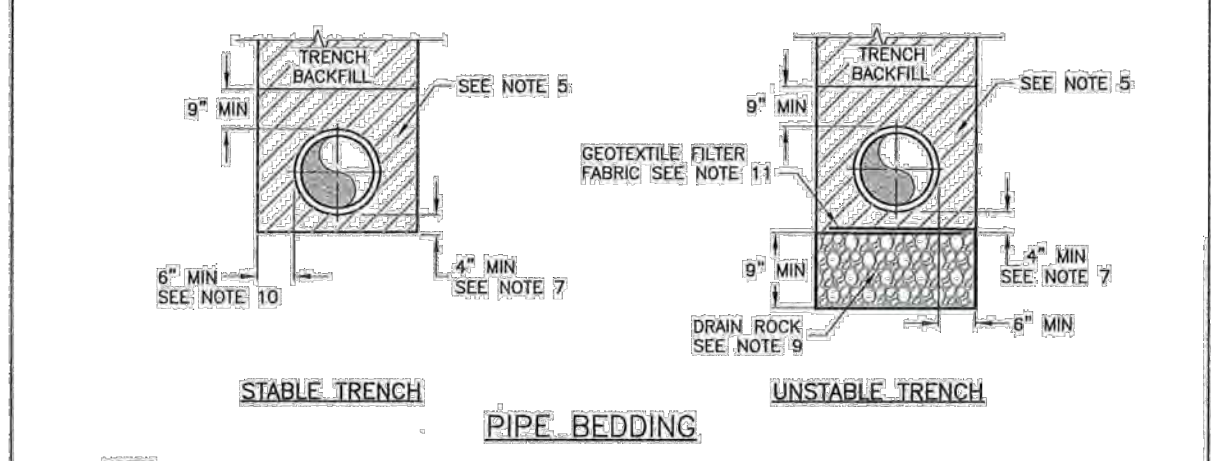
NOTE:

- Design shall conform to these requirements except as otherwise approved by the Director of Engineering.
- For subdivisions where sidewalks are not required for street improvements, curb depressions for curb ramps shall be omitted.
- The surface of each curb ramp shall be slip resistant and shall be of contrasting finish from that of the adjacent sidewalk.
- Type "B" or "C" ramp to be used in situations when 5'-0" minimum landing can not be obtained.
- Sidewalk and ramp thickness shall be 4" of P.C.C. with two No. 4 rebar continuous over 4" of Class 2 A.B. compacted to 95%.
- If curb exists, 1/2" dowels are required at 4'-0" on center between existing curb and new construction.

<p>CITY OF PETALUMA Department of Engineering 27 Hopper Street, Petaluma, California 94952 TEL: 707-778-4544 FAX: 707-778-4548</p>	<p>Standard CURB RAMP TYPE - B Detail</p>	<p>Drawn by Dutch Smith G.S. N.T.S. February 9th 1998 (Rev.) S.D. DSS 0000 206 2 of 3</p>	



TRENCH BACKFILL



<p>CITY OF PETALUMA PUBLIC WORKS & UTILITIES 202 N. McDOWELL BLVD. PETALUMA, CALIFORNIA 94954 TEL: 707-778-4544 FAX: 707-778-4548</p>	<p>Standard Trench DETAILS</p>	<p>DATE: JAN 2, 2018 SCALE: N.T.S. APPROVED BY: [Signature] DRAWN BY: TM NO. 219.1</p>	

NOTES:

- REFER TO ORDINANCE 2266 N.C.S. FOR PAVEMENT CUT IN STREETS WITH 5 YEARS FOR NEWLY CONSTRUCTED, RECONSTRUCTED, OR RESURFACED AND 2 YEARS FOR RESURFACING FOR SLURRY SEAL OR MICROSURFACE.
- ASPHALTIC CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 30.
- SAW CUT PAVEMENT NEAR LINE STRAIGHT, AS SHOWN ON STD DETAIL 219.1, FROM TRENCH WALL TO SUBGRADE. PAINT BRIDER (TACK COAT) SHALL BE APPLIED TO ALL VERTICAL SURFACES. MATCH EXISTING A.C. THICKNESS TABLE WHICHEVER IS GREATER.
- ADDITIONAL PAVEMENT REMOVAL: REMOVE ADDITIONAL PAVEMENT TO A PARALLEL VEHICLE LANE STRIP, UP OF GUTTER, CURB, A CENTERLINE OR EDGE OF PAVEMENT IF SUCH STREET FEATURE IS WITHIN 3' (FEET) OF THE FINAL SAW CUT. SUBJECT TO CITY APPROVAL. REMOVAL OF ADDITIONAL PAVEMENT TO ADJACENT EXISTING OR NEW PAVEMENT PATCH IF PATCH IS WITHIN 5' OF FINAL SAW CUT.
- DIFFERENT TRENCH SECTIONS MAY BE REQUIRED AND SPECIFIED BY PUBLIC WORKS & UTILITIES.
- PIPE BEDDING MATERIAL SHALL BE CLASS 2 AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AT OPTIMUM MOISTURE OR AS APPROVED BY PUBLIC WORKS & UTILITIES.
- TRENCH BACKFILL SHALL BE CLASS 2 AGGREGATE BASE. THE UPPER 30" SHALL BE COMPACTED AT OPTIMUM MOISTURE AND SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 28 OR AS APPROVED BY PUBLIC WORKS & UTILITIES. (USE OF RECYCLED CL2 IS ONLY UPON APPROVAL BY THE CITY AND PROJECT GEOTECHNICAL ENGINEER.)
- 1/4" PIPE OUTSIDE DIAMETER MINIMUM WHEN EXCAVATION IS IN ROCKY GROUND.
- OPTIONAL BACKFILL - CONTROLLED DENSITY FILL (C.D.F.) MAX NO. 1500 (95% RELATIVE COMPACTION) SHALL CONFORM TO NOTE 12.
- DRAIN ROCK MAY BE USED AS BEDDING UNDER PIPE FOR SLOPES LESS THAN 8%. DRAIN ROCK SHALL BE 100% CRUSHED AND SHALL CONFORM TO THE FOLLOWING GRADES:

1 1/2"	1"	3/4"	#4
100	95-100	0-30	0-4
- DRAIN ROCK SHALL BE COMPACTED WITH A SURFACE VIBRATOR. PIPE BEDDING MATERIAL WHEN PLACED UNDER DRAIN ROCK SHALL BE SEPARATED BY GEOTEXTILE FILTER FABRIC (MAYN 1400) TO PREVENT MIGRATION AND COMPACTED WITH A SURFACE VIBRATOR CONFORMING TO NOTE 5.
- IF PIPE DIAMETER IS LESS THAN 18" - 8" MAX.
- IF PIPE DIAMETER IS GREATER THAN 18" - 12" MAX.
- GEOTEXTILE FILTER FABRIC (MAYN 1400 OR EQUAL) SHALL BE APPLIED AS SHOWN IN THE UNSTABLE TRENCH DETAIL. WRAPPED AROUND THE DRAIN ROCK WITH A 1' (ONE FOOT) MINIMUM OVERLAP.
- CONTROL DENSITY FILL (CDF) SHALL BE MIX DESIGNED BY SPINROCK MATERIALS, INC. OR MIXTURE OF PORTLAND CEMENT, SAND AND 1/4" MAXIMUM COARSE AGGREGATE AIR ENTRAINING AGENT AND WATER. BATCHED BY A READY-MIXED CONCRETE PLANT AND DELIVERED TO THE JOB SITE BY MIXER. CONTROL DENSITY FILL MAY ALSO CONTAIN CLASS F FILLER (PLY ASP). CONTROL DENSITY FILL SHALL BE FREE OF ASPHALTIC MATERIAL.
- MATERIALS: CEMENT SHALL MEET THE STANDARDS AS SET FORTH IN ASTM C-150, TYPE II CEMENT. FLY ASH SHALL MEET THE STANDARDS AS SET FORTH IN ASTM C-618, FOR CLASS F POZZOLANS. THE FLY ASH SHALL NOT INHERIT THE EXTINCTION OF AIR.
- AGGREGATE SIZE: 1" MAX. SAND - ASTM C33
- MIX PROPORTIONS: THE MIX PROPORTIONS SHALL BE DETERMINED BY THE PRODUCER OF THE CONTROL DENSITY FILL TO PRODUCE A FLOWABLE FILL MIXTURE WHICH WILL NOT SEGREGATE. EACH YARD SHALL CONTAIN NOT LESS THAN 50 POUNDS OF PORTLAND CEMENT AND NOT LESS THAN A TOTAL OF 100 POUNDS OF CEMENTitious MATERIAL. THE CONTRACTOR SHALL SUPPLY A MIX DESIGN TWO WEEKS PRIOR TO ANY USE OF CONTROL DENSITY FILL.
- MIXTURE PROPERTIES: COMPRESSIVE STRENGTH 75-200 PSI AT 28 DAYS. SLUMP - FLOWABLE (8"-9")
- THE CONSISTENCY OF CDF SHALL BE SUCH THAT ALL TRENCH VOIDS ARE FILLED WITH MINIMUM RODDING OR VIBRATING BUT NOT SO WET AS TO CAUSE EXCESSIVE SHRINKAGE.
- PAVING: PERMANENT PAVEMENT MAY BE PLACED DIRECTLY UPON THE CONTROL DENSITY FILL AS SOON AS IT HAS CONSOLIDATED FOR THE SURFACE TO WITHSTAND THE PRESSURE OF FINISH WORK. THE SURFACE OF THE CONTROL DENSITY FILL SHALL BE FIRM AND UNSETTLING. ANY VISIBLE MOVEMENT VERTICALLY OR HORIZONTALLY OF THE CONTROL DENSITY FILL UNDER THE ACTION OF CONSTRUCTION EQUIPMENT OR OTHER MEANS OF LOCAL AVOID SHALL BE CONSIDERED AS EVIDENCE THAT THE CONTROL DENSITY FILL DOES NOT MEET THE REQUIREMENT. THE CONTRACTOR SHALL PROVIDE TRENCH PLATES TO ALLOW TRAFFIC FLOW FOR ALL LOCATIONS UNLESS CONTROL DENSITY FILL IS READY TO BE PAVED.
- FULL TACK COAT COVERAGE ON ALL VERTICAL SURFACES.
- TRENCH SHALL BE PAVED WITH ASPHALT CONCRETE WHERE THICKNESS IS EQUAL TO THE THICKNESS OF THE EXISTING PAVEMENT BUT IN NO CASE SHALL THICKNESS BE LESS THAN SHOWN IN THE ASPHALT CONCRETE THICKNESS TABLE. ASPHALT SHALL BE TYPE A CONFORMING TO SECTION 30 OF THE STANDARD SPECIFICATIONS.

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TYPICAL LIMITS OF REMOVAL

TYPICAL PAVEMENT CUTS

REPLACEMENT LIMIT FOR ASPHALT 5 YEARS & NEWER, MICROSURFACE/SLURRY SEAL 2 YEARS & NEWER - 2" GRIND AND OVERLAY

REPLACEMENT LIMIT FOR ASPHALT OLDER THAN 5 YEARS, MICROSURFACE/SLURRY SEAL OLDER THAN 2 YEARS - TYPE TRENCH SECTION (ABOVE)

EXCAVATED AREA

NOTES:

- PAVEMENT SURFACING SHALL CONFORM TO CITY ORDINANCE NO. 2266 N.C.S. RESTRICTIONS ON EXCAVATION IN NEWLY CONSTRUCTED OR RESURFACED PUBLIC RIGHT-OF-WAY.
- COMPACTION TESTS SHALL BE REQUIRED AS DEEMED NECESSARY BY THE CITY ENGINEER OR INSPECTOR.
- SEE STANDARD 219.2 FOR ADDITIONAL NOTES.

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PLAN

ELEVATION

NOTES:

- INSTALL WATERSTOP IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AS SHOWN.
- NEW MANHOLES CONSTRUCTED USING THIS STANDARD SHALL BE 60 INCHES IN DIAMETER, AND INSTALLED IN CONFORMANCE WITH STANDARD 501.
- SEE STANDARD 508 FOR STANDARD OUTSIDE DROP INSTALLATION.
- ALL ORDER PIPING AND FITTINGS TO BE PVC (SDR 26) REMOVE BELL.
- FLEXIBLE RUBBER COUPLING WITH STAINLESS STEEL SHEAR BAND REQUIRED IF MAN OR LATERAL IS NOT PVC MATERIAL.
- INSTALL WATERSTOP IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AS SHOWN.

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NOTES:

- THE SEWER SERVICE LATERAL SHALL BE OF SUFFICIENT DEPTH TO ADEQUATELY SERVE THE BUILDING SITE, AND IN NO CASE SHALL BE LESS THAN 5' FT DEEP AT THE BACK OF THE PILE. UNLESS MATCHING EXISTING CONDITIONS ON REHABILITATION PROJECTS OR AS OTHERWISE AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS AND UTILITIES.
- WHERE PROBLEMS ARE ANTICIPATED IN PROVIDING SEWER SERVICE TO A GIVEN BUILDING SITE, THE LATERAL INVERT AT THE BACK OF THE PILE SHALL BE MARKED BY THE OWNER'S ENGINEER.
- IN CASES WHERE THE CLEANOUT INSTALLATION CONFLICTS WITH EXISTING FACILITIES, THE CONTRACTOR SHALL VERIFY ANY ALTERNATE LOCATION WITH THE OPERATING MANAGER PRIOR TO INSTALLATION.
- MINIMUM 2% SLOPE FOR 4" LATERALS AND A MIN. 1% SLOPE FOR 6" LATERALS ARE REQUIRED UNLESS A VARIANCE IS SPECIFICALLY APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND UTILITIES AND THE BUILDING OFFICIAL.
- A MINIMUM OF 12" WHEN CONNECTING TO EXISTING SEWER LATERAL OR EXTEND TO 1" BEHIND PILE, OR SIDEWALK FOR NEW CONSTRUCTION.
- FOR NEW CONSTRUCTION INSTALL CAR OR FLOW AT END OF SERVICE LATERAL.
- LATERAL MATERIAL SHALL BE PVC SDR 26 OR DUCTILE IRON PIPE. RISER PIPE SHALL BE SDR 26.
- CLEANOUT COMPONENTS SHALL BE THE SAME SIZE AS THE LATERAL.
- 4\"/>

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NEW WATER PIPE CROSSING

NOTES:

- THIS STANDARD APPLIES TO PIPES UP TO AND INCLUDING 16\"/>

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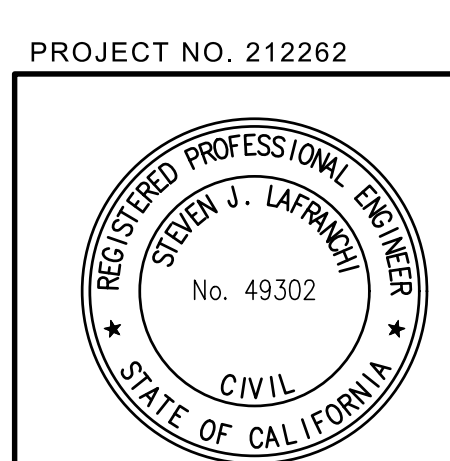
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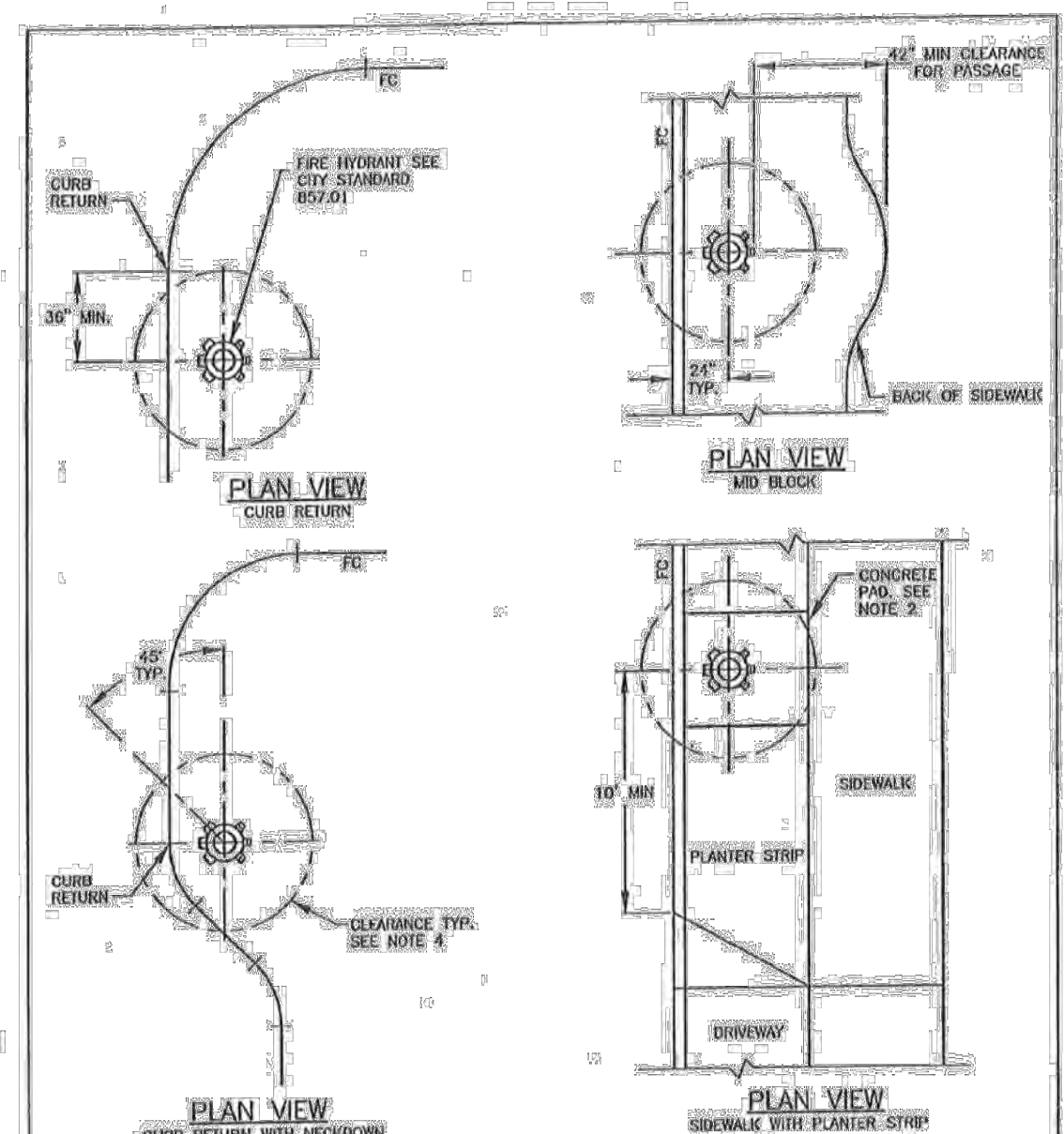
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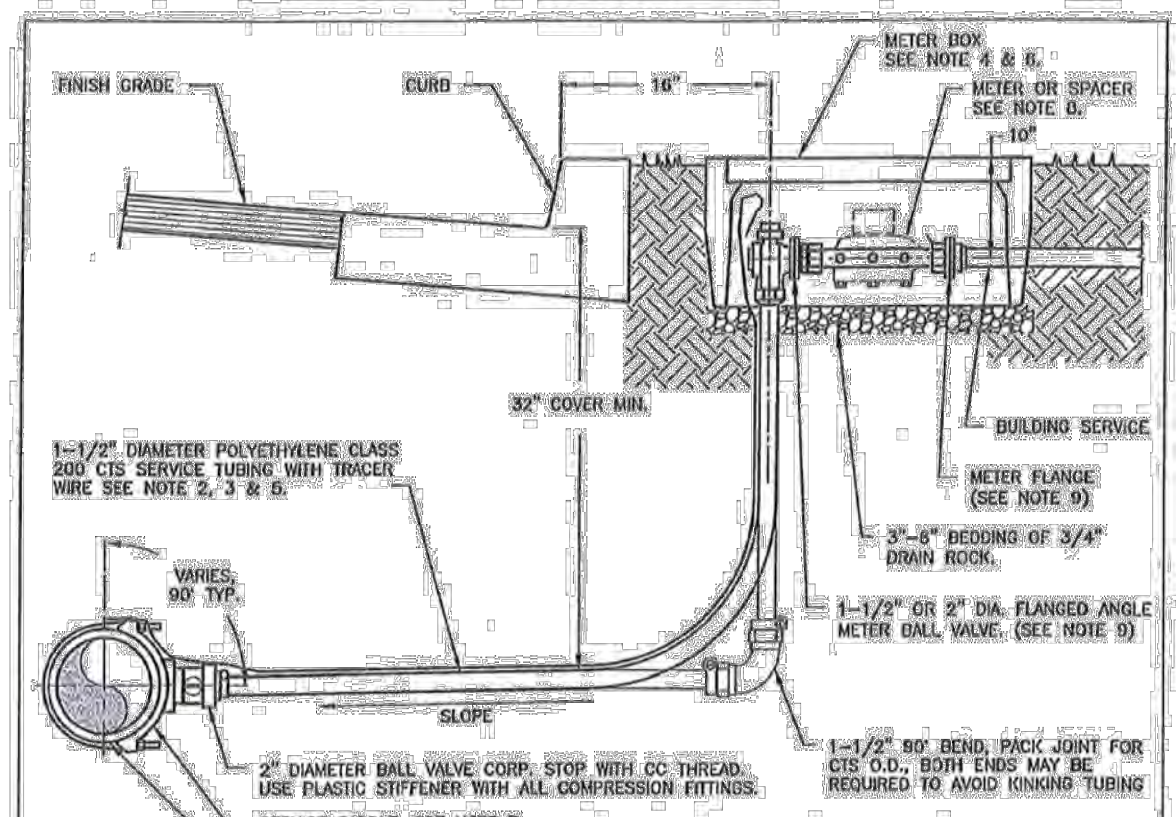


PROJECT NO. 212262



- NOTES:**
- SEE WATER SYSTEM DESIGN GUIDELINES.
 - WHERE NO SIDEWALK EXISTS, OR WHERE HYDRANT IS INSTALLED IN PLANTER STRIP, A 6" THICK X 4' X 4' CONCRETE PAD SHALL BE INSTALLED.
 - RESIDENTIAL FIRE HYDRANTS HAVE TWO 2-1/2" & ONE 1-1/2" OUTLETS, COMMERCIAL FIRE HYDRANTS HAVE ONE 2-1/2" & TWO 1-1/2" OUTLETS. ON COMMERCIAL HYDRANTS, FACE 4 1/2" OUTLETS TO STREET.
 - MAINTAIN A MINIMUM OF 36" OVERHEAD CLEARANCE ALL AROUND.
 - FOR DESIGNATED TWO PARKING AREAS, SEE STREET DESIGN AND CONSTRUCTION STANDARDS.

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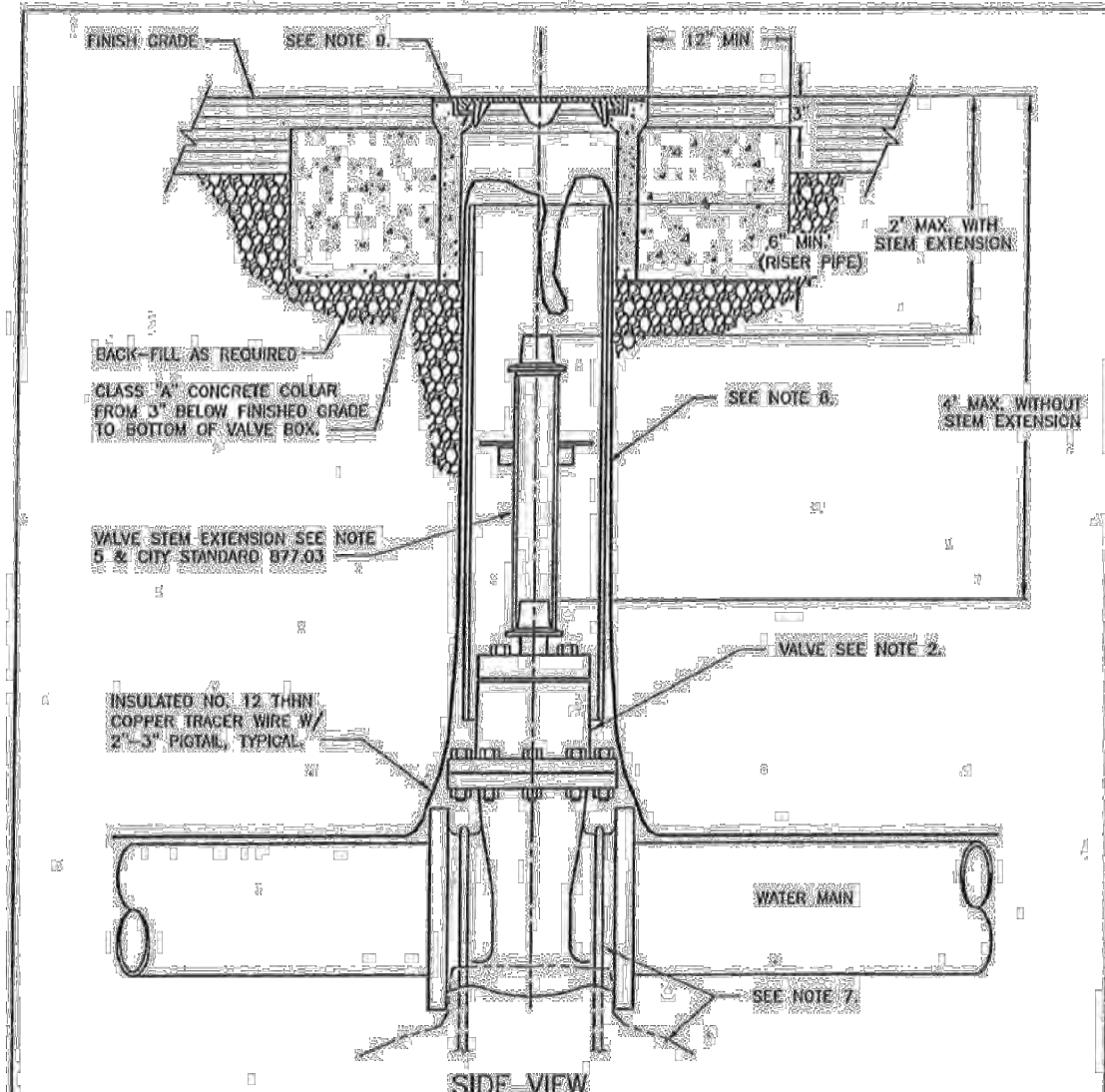


METER SETTING ASSEMBLY PARTS LIST

METER SIZE	VALVES	SPACER BAR SIZE (SEE NOTE 4)
1-1/2"	SEE APPROVED MATERIALS LIST	1-1/2" DIA. 113-1/4" L SCH. 40 PVC PIPE
2"	SEE APPROVED MATERIALS LIST	2" DIA. X 17-1/4" LONG SCH. 40 PVC PIPE

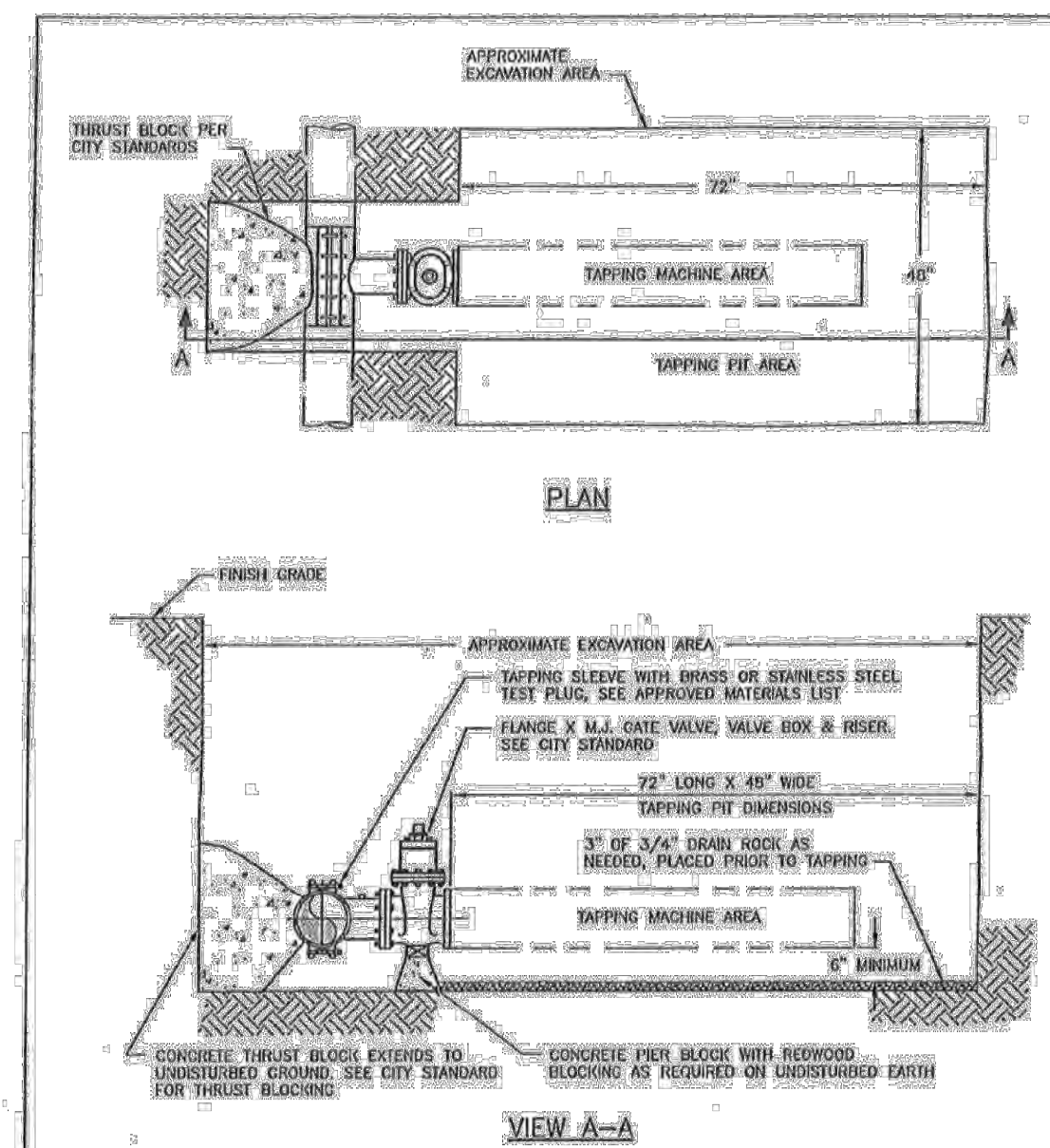
- NOTES:**
- SEE WATER SYSTEM DESIGN GUIDELINES.
 - THE SERVICE SHALL NOT BE SIZED SMALLER THAN THE METER. IF FINE SPRINKLERS ARE REQUIRED SEE CITY STANDARD DETAIL 853.01 & 853.02.
 - USE INSULATED NO. 12 THIN WIRE.
 - ALL WIRE CONNECTIONS SHALL BE MADE WITH MECHANICAL WIRE CONNECTORS WRAPPED WITH ELECTRICAL TAPE.
 - END OF WIRE WIRE TO BE EXPOSED 6" MINIMUM INSIDE OF METER BOX.
 - METER BOXES SHALL BE LOCATED OUT OF TRAFFIC LOADING AREAS WHERE POSSIBLE. TRAFFIC LOADING BOX & ID TO BE INSTALLED IN ALL LOCATIONS WHERE VEHICULAR TRAFFIC MAY OCCUR. THE STEEL ID SHALL BE SET FLUSH WITH FINISHED SURFACE. BOX PIPE MANHOLES TO BE OBSOLETE TO PREVENT ICE INTRUSION WHERE REQUIRED.
 - TRENCH BACKFILL REQUIREMENTS - SEE CITY STANDARD DETAIL 852.01.
 - METER BOX AND COVER SHALL BE 6-36" - SEE APPROVED MATERIALS LIST.
 - TAPPING SERVICE SADDLES - SEE APPROVED MATERIALS LIST.
 - FOR NEW SERVICES CONTRACTOR SHALL INSTALL SCHEDULE 40 PVC SPACER PIPE WITH 1/2" DIAMETER HOLES DRILLED THRU PIPE AT 2" ON CENTER. THREAD BOTH ENDS. CITY PUBLIC WORKS AND UTILITIES PERSONNEL TO REMOVE SPACER PIPE AND INSTALL METER. SEE METER SETTING ASSEMBLY PARTS LIST.
 - INSTALL BRASS METER FLANGE WITH COLOR-BODY HOLES AND BUSHING TO FIT 1-1/2" METER. SET 2" MIN. FROM SIDE OF BOX. USE 316 SS HARDWARE.
 - ALL FLANGE BOLTS FOR METERS TO HAVE THREADS FACING AWAY FROM METER. INCLUDES 1/2" AND 2" METERS.

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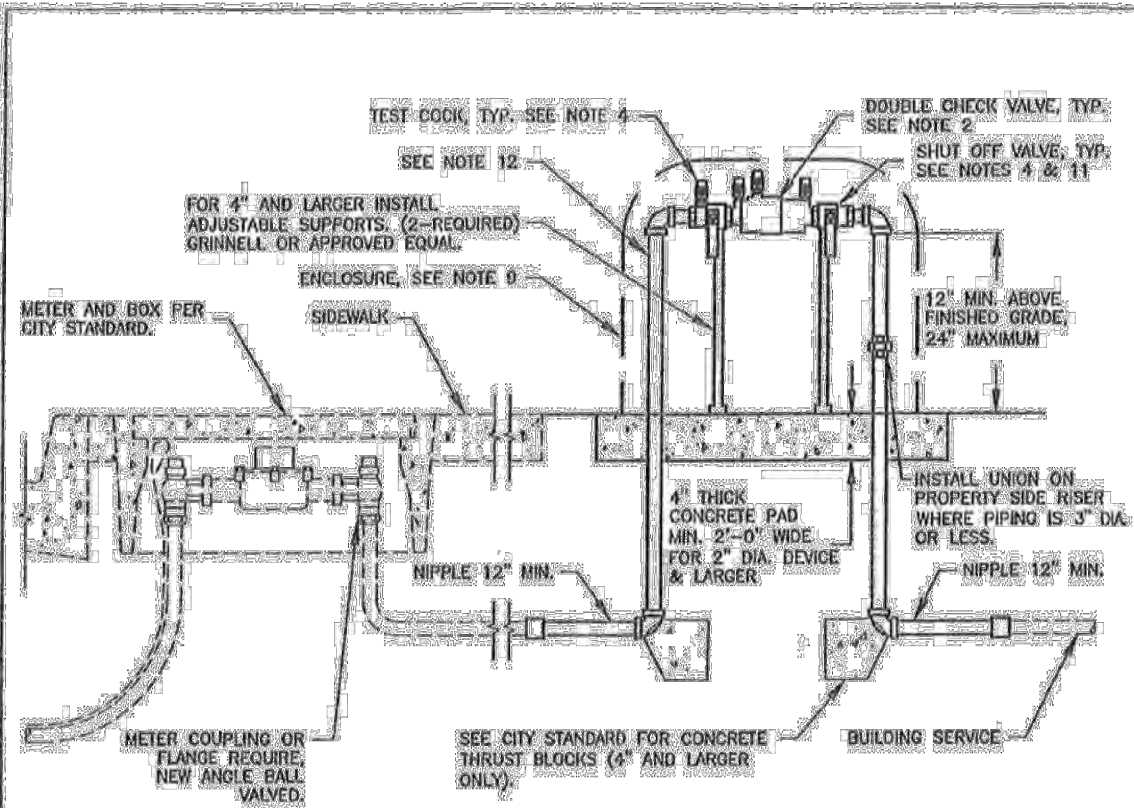
- NOTES:**
- SEE WATER SYSTEM DESIGN GUIDELINES.
 - VALVES 2" THROUGH 12" SHALL BE RESILIENT SEATED. GATE VALVES AND WELVES 18" AND LARGER SHALL BE BUTTERFLY VALVES. GATE WATER SYSTEM DESIGN GUIDELINES UNLESS OTHERWISE APPROVED BY PUBLIC WORKS AND UTILITIES.
 - GATE VALVES SHALL CONFORM TO THE CITY WATER SYSTEM DESIGN GUIDELINES.
 - ALL PORTING BEVELS AND RISES ON VALVES SHALL BE TYPE 316 STAINLESS STEEL.
 - IF VALVE IS INSTALLED SO THAT THE TOP OF THE OPERATING PART IS MORE THAN 6" BELOW FINISHED GRADE, THE VALVE STEM RISER SHALL BE RECORDED.
 - FOR INSTALLATION OF BUTTERFLY VALVE AND TAPPING VALVE, SEE STANDARD.
 - SEE CITY STANDARD DETAIL NO. 877.02 FOR VALVE THE DOWN REQUIREMENTS.
 - 8" DIA. SCH. 40 PVC STEM PIPE CONFORMING TO STANDARD. PIPE TO BE FLARED AND CONNECTED OVER VALVE STEM AND SHALL BE CONSTRUCTED FROM A SINGLE LENGTH OF PIPE WITH NO JOINTS. VALVE RISER PIPE TO EXTEND AND VALVE BOX IS PASSED, A BELL JOINT EXTENSION IS ALLOWED. VALVE RISER PIPE MUST EXTEND INTO VALVE BOX.
 - SET VALVE BOX FLUSH WITH STREET SURFACE OR FINISHED GRADE WITH GATE BODY END AND COVER MARKED "WATER" VALVE BOX TO BE CHESTY GS OR SS OR APPROVED EQUIV. WITH TYPICAL LIST.

CITY OF PETALUMA
 PUBLIC WORKS & UTILITIES
 DATE: AUGUST 2019 SCALE: N.T.S.
 APPROVED BY: [Signature]
 DRAWN BY: JOL NO. 877.01



- NOTES:**
- SEE WATER SYSTEM DESIGN GUIDELINES FOR TAPPING LOCATION REQUIREMENTS.
 - ALL EXTERNAL NUTS AND BOLTS ON VALVES SHALL BE TYPE 316 STAINLESS STEEL.
 - TAPS LARGER THAN 2 INCH SHALL BE MADE BY THE CITY PUBLIC WORKS & UTILITIES AT THE CONTRACTOR'S EXPENSE.
 - INSTALL TAPPING PER DETAILED REQUIREMENTS.

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- NOTES:**
- SEE WATER SYSTEM DESIGN GUIDELINES.
 - DOUBLE CHECK VALVE ASSEMBLIES SHALL BE INSTALLED ADJACENT TO AND ON THE PROPERTY SIDE OF SIDEWALK WHERE APPLICABLE. WHERE NO SIDEWALK EXISTS, THE DOUBLE CHECK VALVE ASSEMBLY SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE WATER METER LOCATION. THERE SHALL BE NO TEE OR BRANCH LINES BETWEEN THE WATER METER AND ASSEMBLY. ANY COMPLEXES SHALL BE RESOLVED BY PUBLIC WORKS AND UTILITIES.
 - APPROVED DOUBLE CHECK VALVES SHALL BE AS SHOWN ON "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES" (LATEST REVISION) BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
 - ALL DOUBLE CHECK VALVE ASSEMBLIES SHALL BE PROVIDED WITH A MINIMUM OF FOUR (4) TEST COCKS AND (2) SHUT OFF VALVES.
 - THIS STANDARD APPLIES TO RESIDENTIAL CONNECTIONS WITH AROUND WATER SUPPLIES ON SITE. FIRE SPRINKLERS OR WHERE A POTENTIAL HAZARD EXISTS, AS DETERMINED BY PUBLIC WORKS AND UTILITIES.
 - THE PIPING FROM THE METER TO THE DOUBLE CHECK VALVE ASSEMBLY AND THE REDUCED PRESSURE BACKFLOW ASSEMBLY TESTED MUST BE THE SAME SIZE AS THE METER UNLESS OTHERWISE APPROVED BY PUBLIC WORKS AND UTILITIES.
 - NOT FOR USE ON INDUSTRIAL OR COMMERCIAL PROPERTY SERVICES.
 - IF ABOVE GROUND INSTALLATION IS NOT FEASIBLE, OBTAIN APPROVAL FROM PUBLIC WORKS AND UTILITIES FOR SPECIAL INSTALLATION STANDARDS.
 - AN ENCLOSURE IS RECOMMENDED FOR PROTECTION FROM FREEZING AND VANDALISM.
 - A THERMAL EXPANSION TANK WHEN USED ON A DOMESTIC SERVICE SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATION ON THE COLD WATER SUPPLY LINE TO THE WATER HEATER.
 - SHUT OFF VALVES:
 - 1. 2" AND LESS SHALL BE BALL VALVE
 - 2. 3 1/2" AND GREATER SHALL BE RESILIENT SEAT GATE VALVE
 - ALL PIPING, VALVES, WIPPLES, ETC.:
 - 1. 2" AND LESS SHALL BE TYPE "L" HARD-TEMPER COPPER OR LEAD FREE BRASS.
 - 2. 2 1/2" AND GREATER SHALL BE FLANGED DUCTILE IRON.
 - PVC PIPE OR FITTINGS SHALL NOT BE USED.
 - IF PROPOSING TO INSTALL THIS DEVICE IN A FLOOD ZONE, CONTACT PUBLIC WORKS AND UTILITIES FOR APPROVAL.

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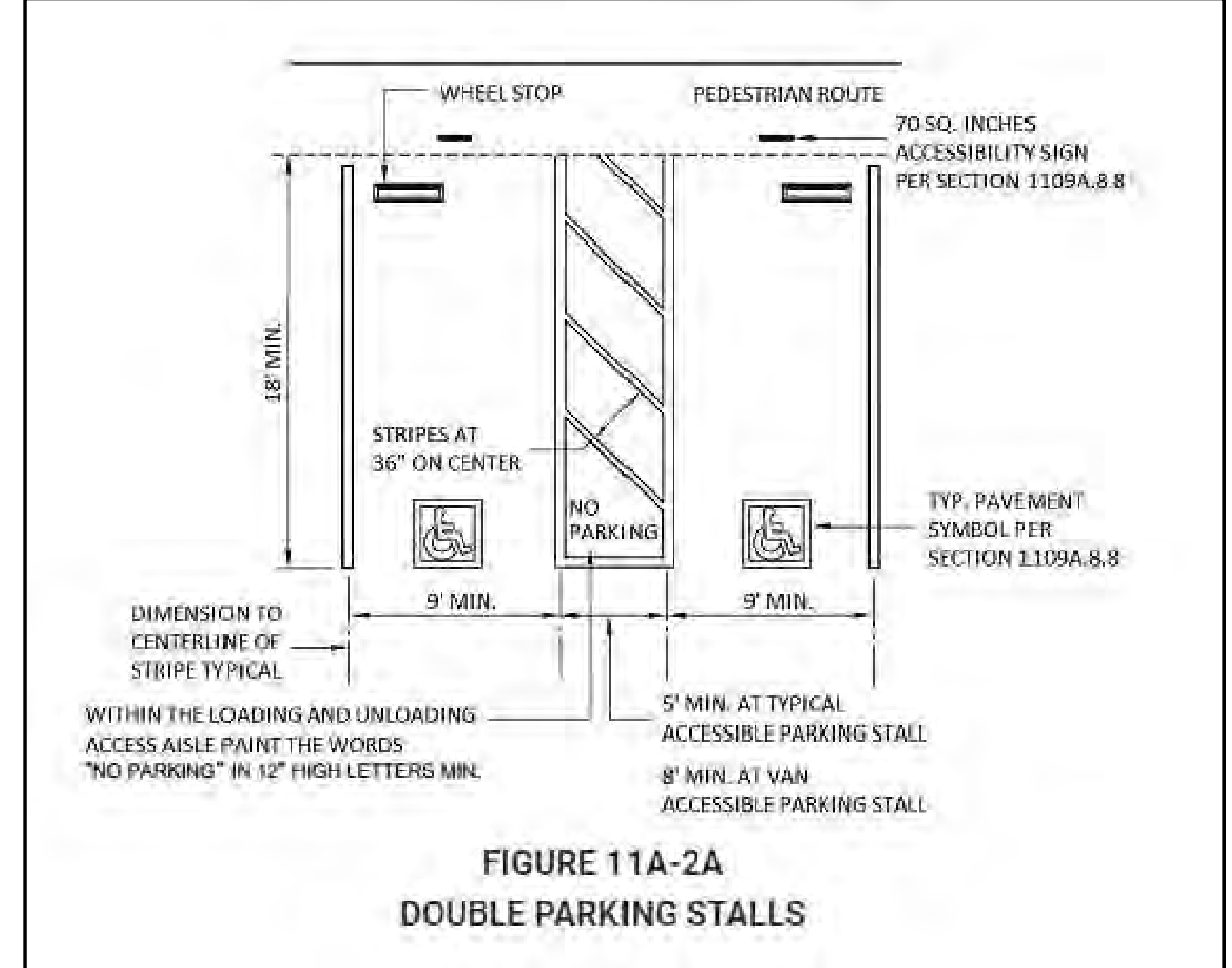
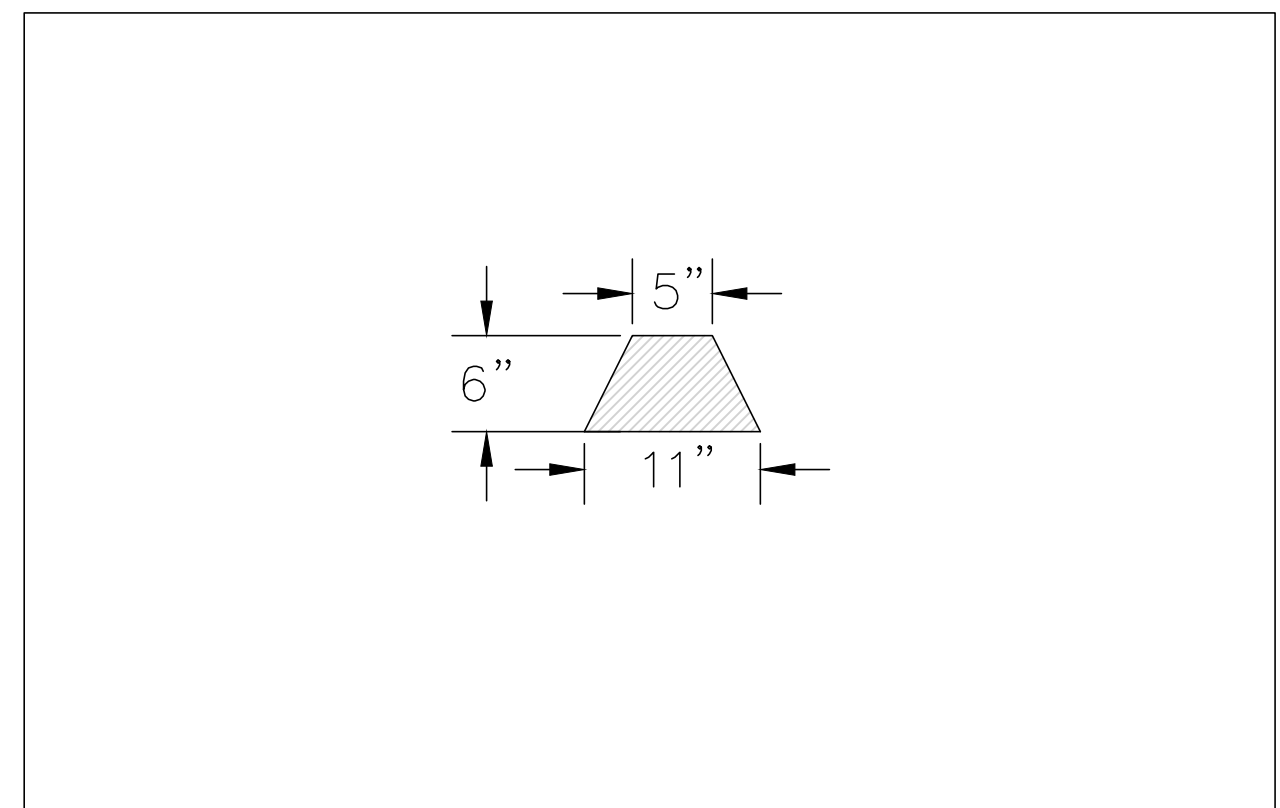


FIGURE 11A-2A
DOUBLE PARKING STALLS
 CBC EXCERPT FOR ADA PARKING STALL STRIPING
 SCALE: NOT TO SCALE



6" ASPHALT CONCRETE DIKE
 SCALE: NOT TO SCALE

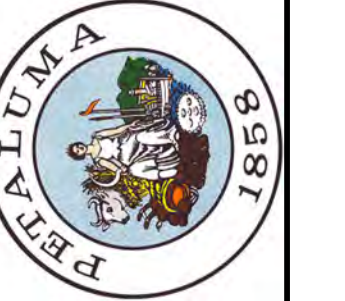
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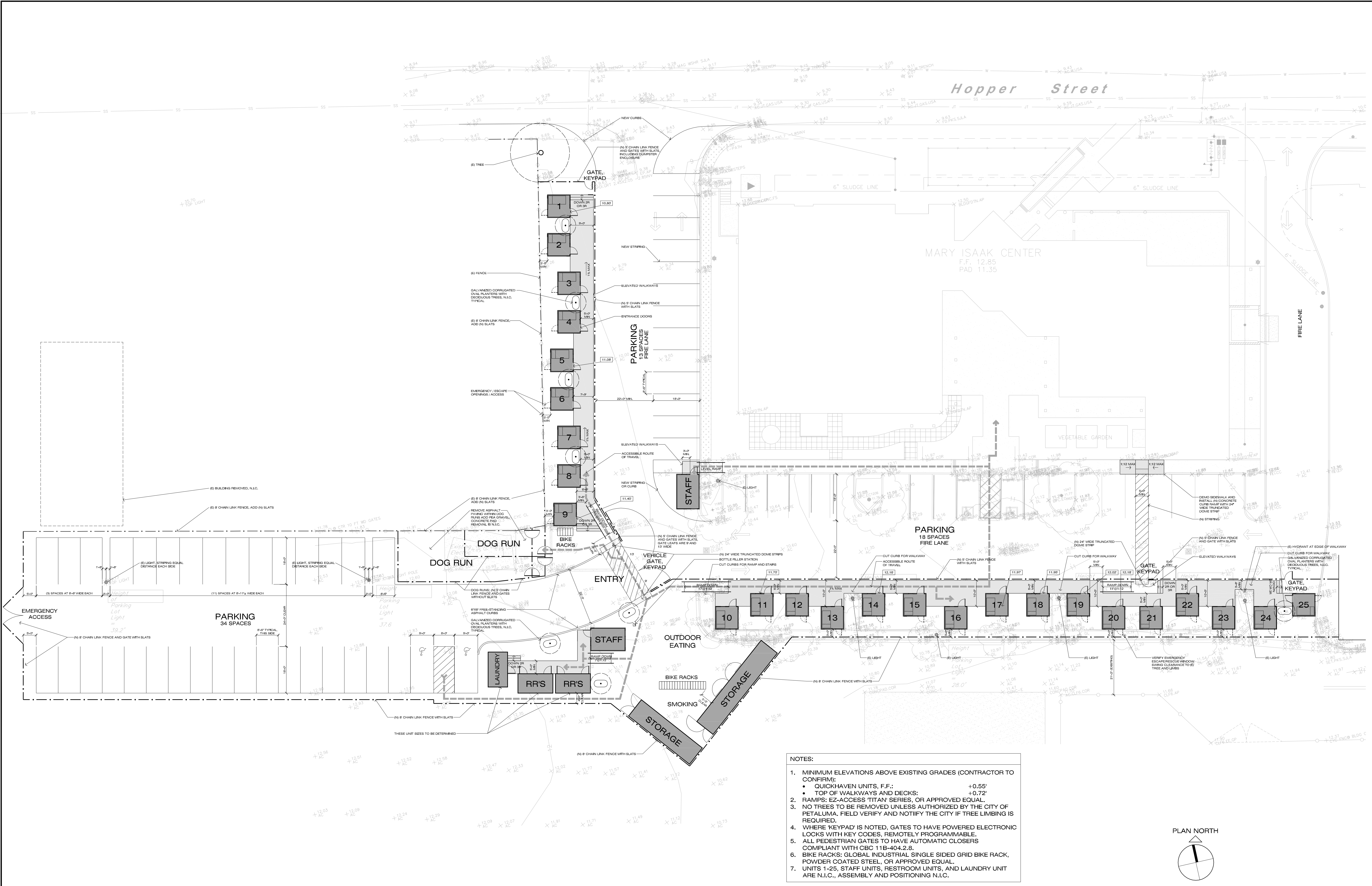
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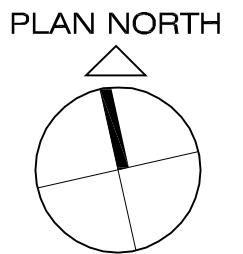
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DETAILS

SCALE: AS NOTED
 SHEET
C-11
 11 of 23



- NOTES:**
- MINIMUM ELEVATIONS ABOVE EXISTING GRADES (CONTRACTOR TO CONFIRM):
 - QUICKHAVEN UNITS, F.F.: +0.55'
 - TOP OF WALKWAYS AND DECKS: +0.72'
 - RAMP: EZ-ACCESS 'TITAN' SERIES, OR APPROVED EQUAL.
 - NO TREES TO BE REMOVED UNLESS AUTHORIZED BY THE CITY OF PETALUMA, FIELD VERIFY AND NOTIFY THE CITY IF TREE LIMBING IS REQUIRED.
 - WHERE 'KEYPAD' IS NOTED, GATES TO HAVE POWERED ELECTRONIC LOCKS WITH KEY CODES, REMOTELY PROGRAMMABLE.
 - ALL PEDESTRIAN GATES TO HAVE AUTOMATIC CLOSERS COMPLIANT WITH CBC 11B-404.2.8.
 - BIKE RACKS: GLOBAL INDUSTRIAL SINGLE SIDED GRID BIKE RACK, POWDER COATED STEEL, OR APPROVED EQUAL.
 - UNITS 1-25, STAFF UNITS, RESTROOM UNITS, AND LAUNDRY UNIT ARE N.I.C., ASSEMBLY AND POSITIONING N.I.C.



SITE PLAN
SCALE: 1/16"=1'-0"

DATE: 10/21/2021
 DESIGNED BY:
 DRAWN BY: CH
 CHECKED BY: MD

PROJECT NO. C

MAD
 architecture
 12 WESTERN AVENUE, #2
 PETALUMA, CA 94952
 TEL 707.765.9222
 www.madarc.com

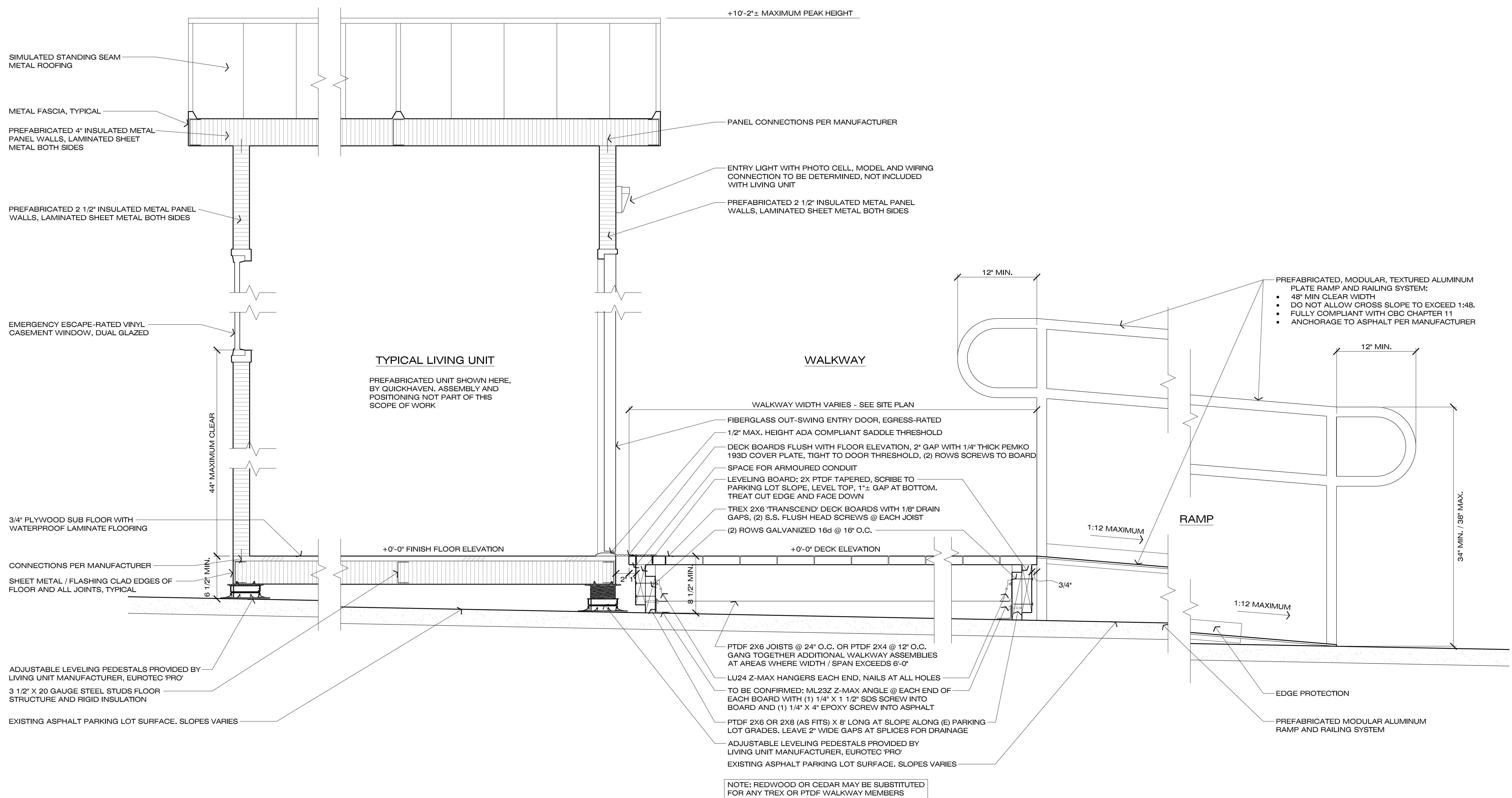
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SITE PLAN

SHEET
A1



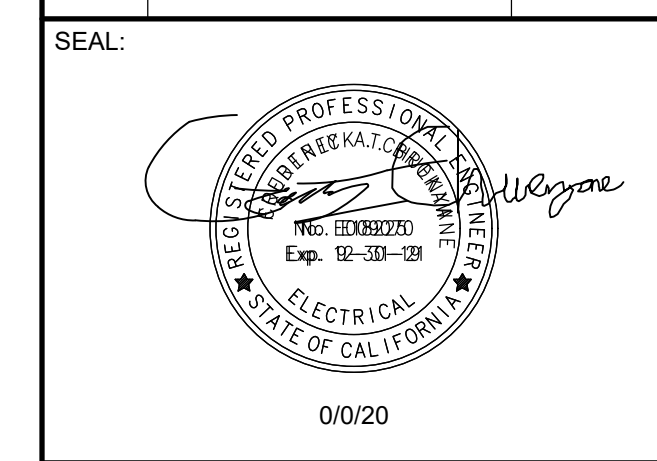
KEYED NOTES - SITE (X)

1. X

SHEET NOTES - SITE ELECTRICAL

- A. LOCATION OF INDICATED (E) U/G UTILITIES IS DIAGRAMMATIC. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES AND LOCATE NEW EQUIPMENT TO SUIT THE PROJECT CONDITIONS.
- B. PROVIDE ALL NECESSARY SAW CUTTING AND REPAIR TO (E) FINISHED SURFACES REQUIRED TO PROVIDE ELECTRICAL AND TELEPHONE UTILITIES.
- B. COORDINATE ALL REQUIRED WORK AND LOCATIONS OF SERVICE REQUIREMENTS WITH THE UTILITY COMPANIES PRIOR TO BEGINNING ANY EXCAVATION.
- C. THE CONTRACTOR SHALL PROVIDE SCALE SHOP DRAWINGS FOR ALL SITE REQUIRED PULL BOX LOCATIONS. SHOP DRAWING SHALL INDICATE PULL BOX ORIENTATION, NOMENCLATURE, SIZE AND TRAFFIC RATING WHEN APPLICABLE.
- D. MINIMUM SIZE OF UNDERGROUND CONDUIT SHALL BE 1".
- E. TYPICAL 11X17 FLUSH-WITH-GRADE CONCRETE PULLBOX WITH BOLT-ON LID. PROVIDE TRAFFIC RATED WHERE IN VEHICULAR AREAS.

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
	PERMIT	10-19-21



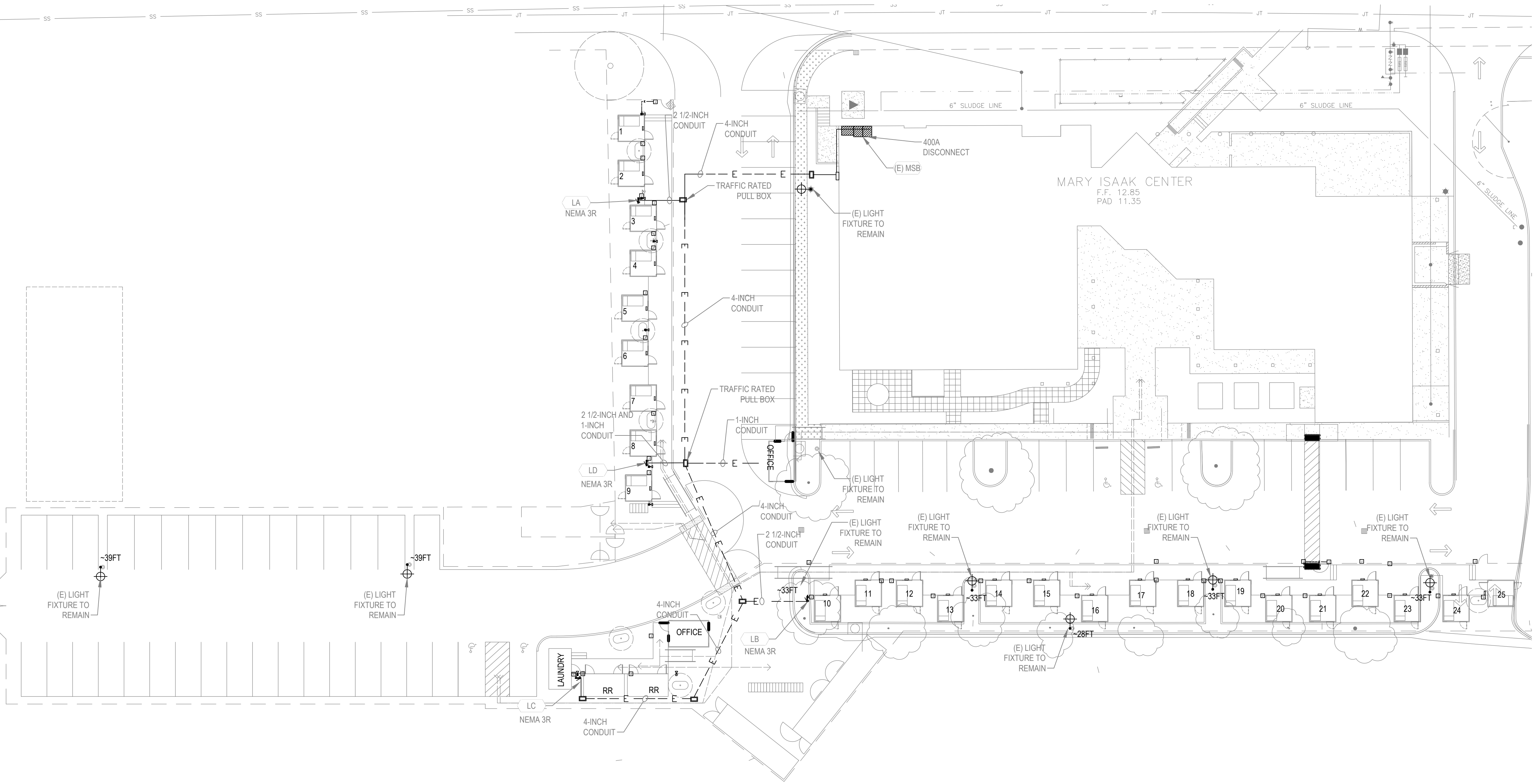
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 SOLUTIONS PROJECT
 900 HOPPER STREET, PETALUMA, CA

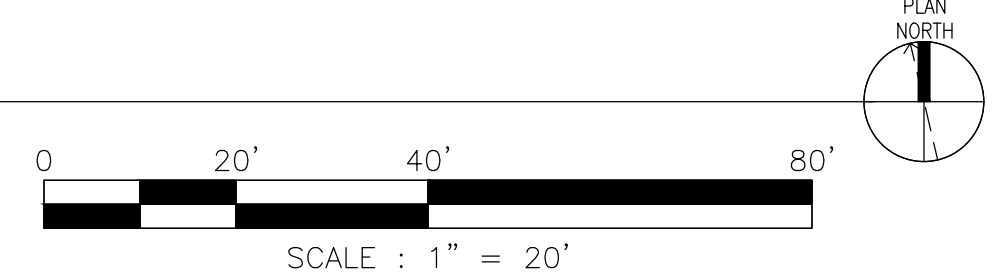
SHEET NAME:

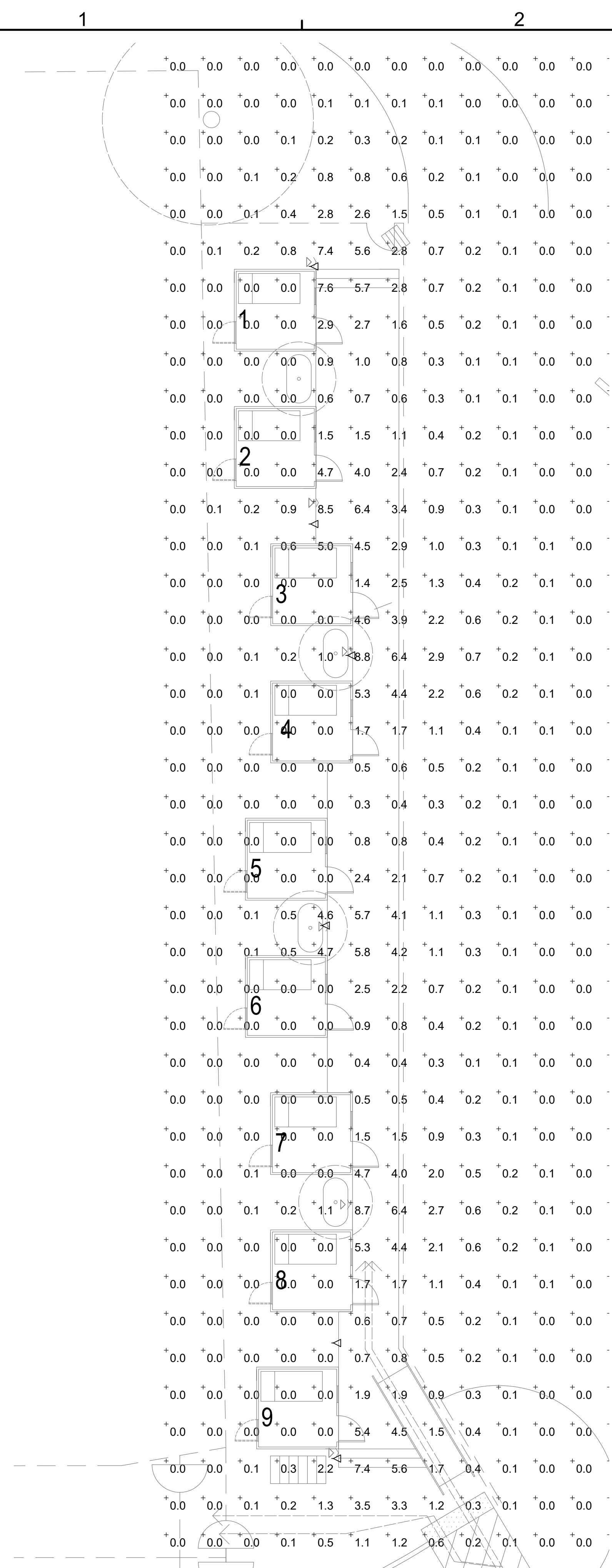
SITE ELECTRICAL PLAN

ISSUE DATE:	Project Issue Date
PREPARATION AND REVIEW	
DRAWN BY:	
DESIGNER:	
PROJ MGR:	
PEER REVIEW:	
SHEET NUMBER:	



1 ELECTRICAL SITE PLAN
 SCALE: 1" = 20'





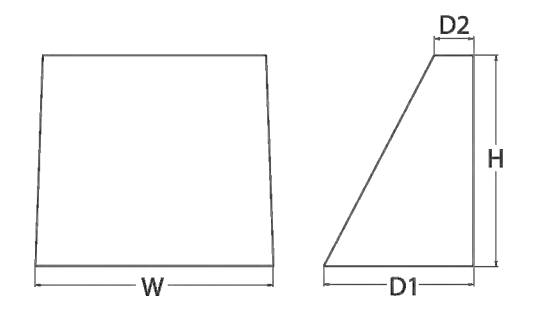
LIGHTING FIXTURE SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP	FIXTURE INPUT WATTS	BUG	MOUNTING	NOTES	
SA1	EXTERIOR WOOD POLE MOUNTED WITH INTEGRAL PHOTOCELL	LITHONIA	WDGE1 LED P1 27K 90CRI VF	LED	10	0-0-0	WOOD POST		



WDGE1 LED
Architectural Wall Sconce



Specifications
 Depth (D1): 5.5"
 Depth (D2): 1.5"
 Height: 8"
 Width: 9"
 Weight: 9 lbs (without optional)



Introduction
 The WDGE1 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectangular design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.
 WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

WDGE LED Family Overview

Luminaire	Standard MR, P.V.	Color Temp, °C	Sensor	Lumens (4000K)					
				F1	F2	F3	F4	F5	F6
WDGE1 LED	4W	-	-	1,200	2,000	-	-	-	-
WDGE2 LED	10W	18W	Standalone / r/light	1,200	2,000	1,000	4,500	6,000	-
WDGE3 LED	15W	18W	Standalone / r/light	7,500	8,500	10,000	12,000	-	-
WDGE4 LED	-	-	Standalone / r/light	12,000	16,000	18,000	20,000	22,000	25,000

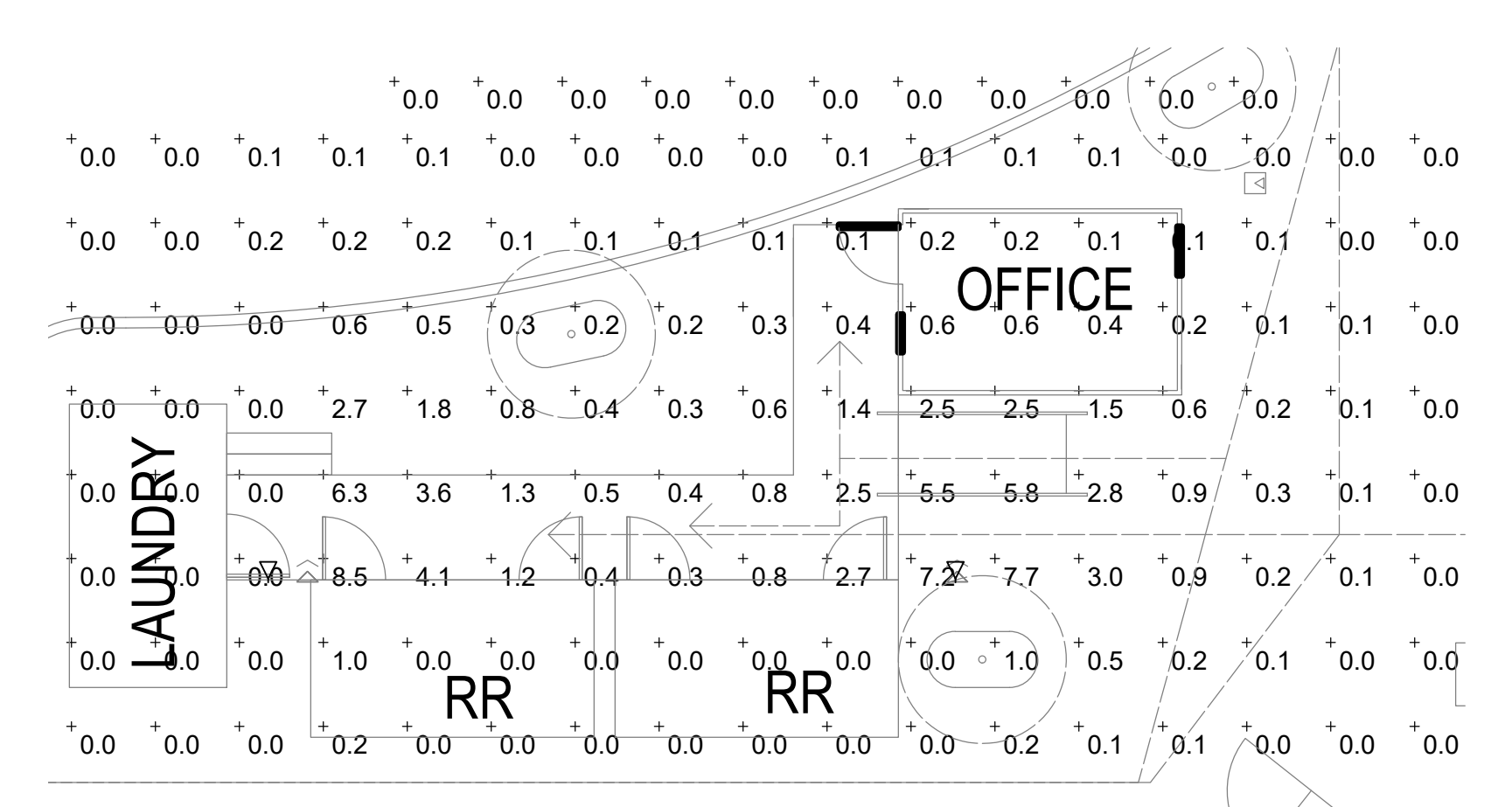
Ordering Information

Series	Package	Color Temperature	CRB	Width Feature	30' Package	Mounting
WDGE1 LED	P1	27K 3000K	80CRI	VF Visual comfort forward throw	MVOLT	347'
	P2	35K 3500K	90CRI	VW Visual comfort wide		

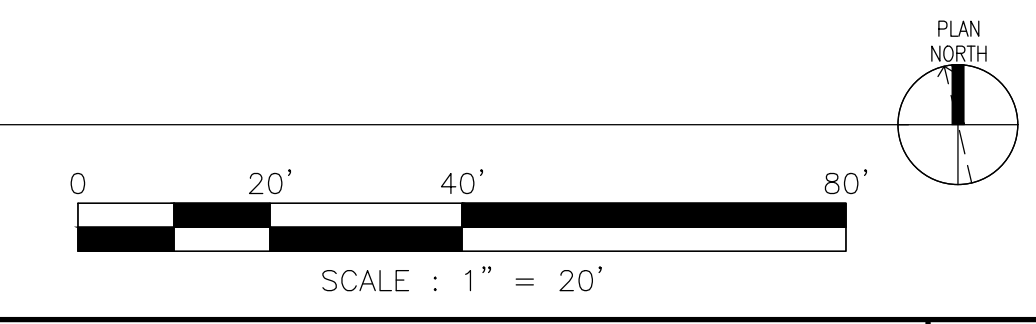
Options	Finish
EW4H Emergency battery backup, Certified in CA Title 20 MAE205 (4W, 0°C min)	DOBKD Dark bronze
PE Photocell, Button Type	DBLKD Black
DS Dual switching (comes with 2 drivers and 2 light engines, see page 3 for details)	DNWAD Natural aluminum
DMG 0-10V dimming wires spliced outside fixture (for use with an external control, ordered separately)	DNWGD White
RCE Bottom conduit entry for back box (PBBW), Total of 4 entry points.	DSSTD Sandstone

Accessories
 WDWANS-DBKD WDGE 3/8" Arch Architectural Wall Spacer (specify finish)
 WDW1PBBW-DBKD-U WDGE1 surface-mounted back box (specify finish)

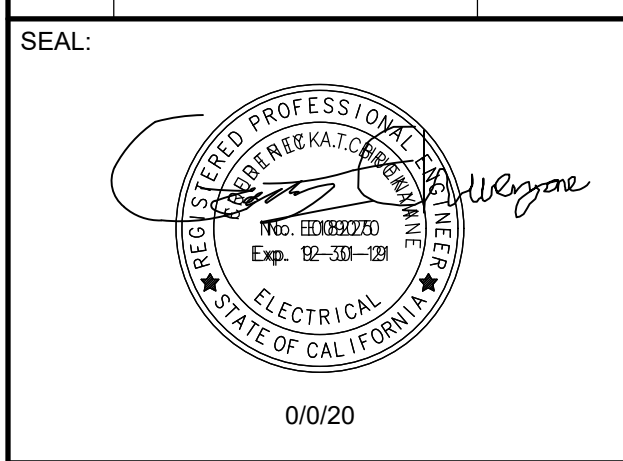
LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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1 PHOTOMETRIC PLANS - NEW SITE LIGHTS
 SCALE: 1/8" = 1'-0"



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
	PERMIT	10-19-21



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CITY OF PETALUMA
 INTERIM HOUSING
 SOLUTIONS PROJECT
 900 HOPPER STREET, PETALUMA, CA

SHEET NAME:

PHOTOMETRIC CALCULATIONS

ISSUE DATE:	Project Issue Date
PREPARATION AND REVIEW	
DRAWN BY:	
DESIGNER:	
PROJ MGR:	
PEER REVIEW:	
SHEET NUMBER:	

E102

SHEET NOTES - LIGHTING

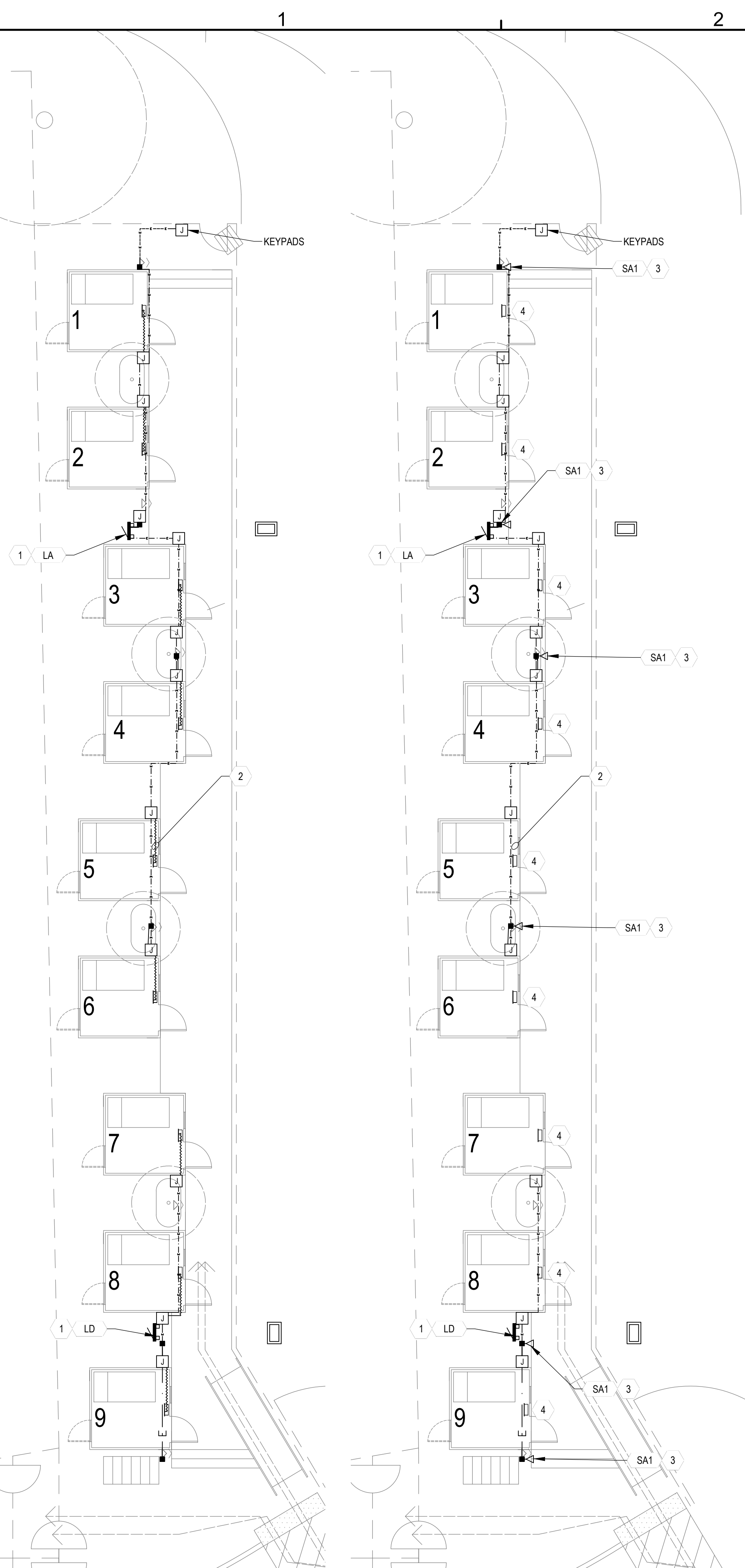
- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATED CEILING INFORMATION. VERIFY THE CEILING TYPES IN ALL SPACES WITH THE ARCHITECTURAL DRAWINGS AND COORDINATE WITH THE LIGHT FIXTURES TO BE INSTALLED. MINOR ADJUSTMENTS IN LOCATION MAY BE REQUIRED BY THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER AS DIRECTED BY THE OWNER'S REPRESENTATIVE. COORDINATE INSTALLATION OF ALL LIGHT FIXTURES WITH MECHANICAL SYSTEMS AND FIRE SPRINKLER HEADS AND PIPING PRIOR TO THE INSTALLATION OF ANY SYSTEMS
- B. THE FIXTURE SHALL BE PROVIDED WITH ALL NECESSARY HARDWARE, CLIPS, TRIM, ETC. FOR A COMPLETE AND "FINISHED" INSTALLATION. PROVIDE ALL NECESSARY BLOCKING.
- C. ALL LIGHTING CONSTRUCTION SHALL BE COORDINATED TO MAINTAIN WALL AND CEILING RATING INDICATED ON THE ARCHITECTURAL DOCUMENTS.
- D. ALL LOW VOLTAGE (0-50 volt) LIGHTING CONTROL WIRING SHALL BE INSTALLED IN CONDUIT.
- E. PROVIDE COMMON FACE PLATE FOR ALL SWITCHES IN GANGED GROUPS. INDIVIDUAL FACE PLATES FOR GROUPS OF SWITCHES WILL NOT BE ACCEPTED.
- F. VERIFY ROUGH-IN LOCATIONS OF ALL DEVICES WITH THE OWNER'S REPRESENTATIVE. DO NOT PULL ANY CONDUCTORS OR CABLE UNTIL THE DEVICE LOCATIONS HAVE BEEN REVIEWED AND ACCEPTED.
- G. EXTERIOR LIGHTING MOUNTED UNDER 24FT AND OVER 40W SHALL BE CONTROLLED BY A MOTION SENSOR AND SHALL REDUCE LIGHTING TO 50% WHEN UNOCCUPIED.
- H. ALL EXTERIOR LIGHTING SHALL BE SET TO DUSK TO DAWN WITH PHOTOCONTROL OR ASTRONOMICAL TIMELOCK.
- I.

KEYED NOTES

- 1. PROVIDE NEW EXTERIOR PANELBOARDS. ALL BOARDS SHALL BE PROVIDED WITH MAIN BREAKERS. FOR MOUNTING SEE E501. PANEL SHALL BE PROVIDED WITH LOCKABLE COVER.
- 2. ROUTE CONDUITS UNDER DECK. SEE E502
- 3. PROVIDE NEW EXTERIOR 12FT PRESSURE TREATED POST. MOUNT IN CONCRETE. MOUNT FIXTURE APPROX 8FT ABOVE GROUND. FIXTURE SHALL BE FULL CUTOFF AND CONTROLLED BY PHOTOCELL OR TIMELOCK.
- 4. CONTRACTOR SUPPLIED RESIDENTIAL PORCH LIGHTS TO BE CONTROLLED BY SWITCH IN UNIT.
- 5. ROUTE NEW CONDUIT OVERHEAD OUT OF ELECTRICAL ROOM. PROVIDE EXTERIOR SURFACE MOUNTED BOX. CONTRACTOR TO VERIFY EXACT ROUTING IN FIELD.

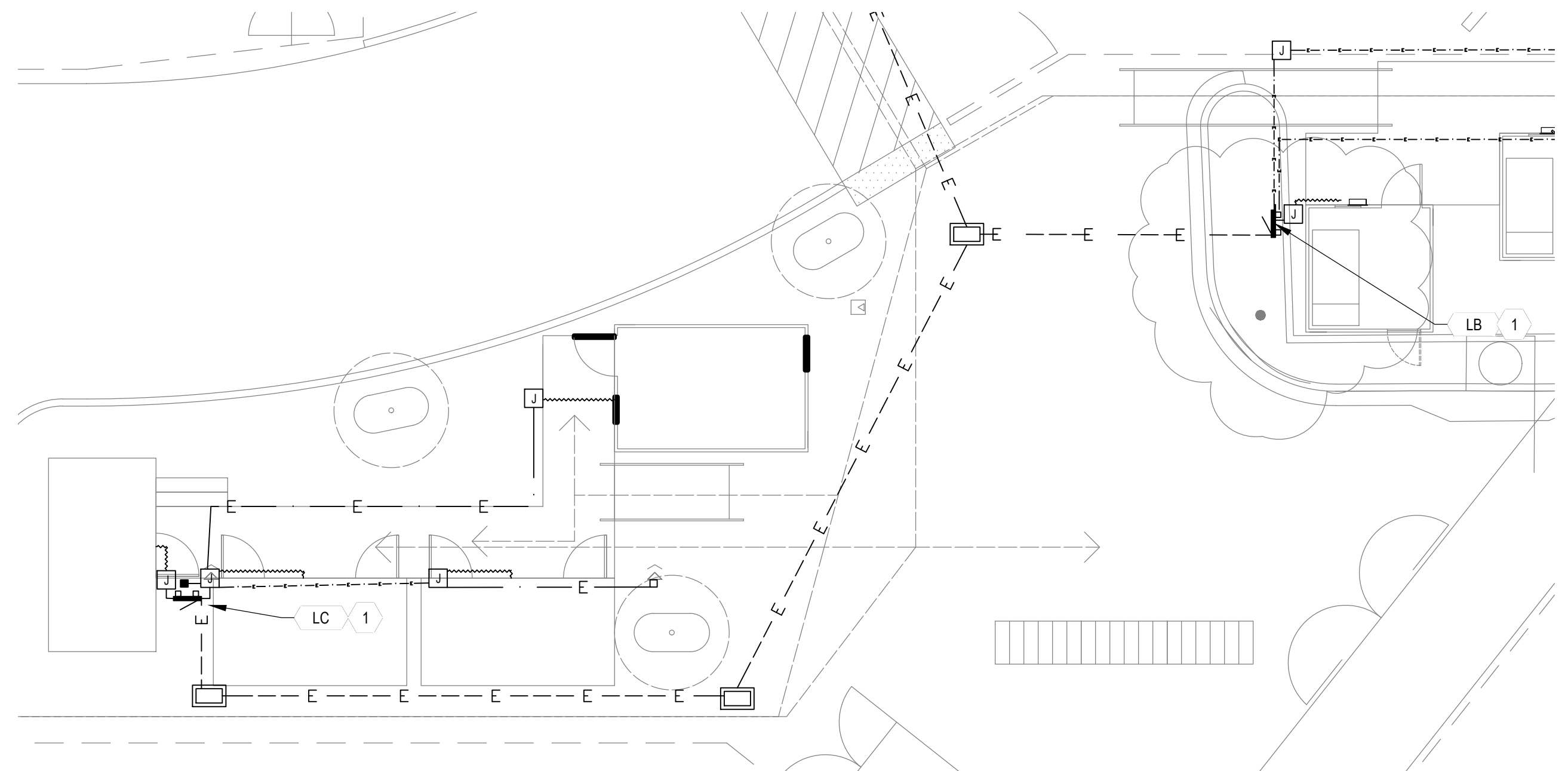
SHEET NOTES - ELECTRICAL

- A. ALL EXTERIOR MOUNTED DEVICES SHALL BE PROVIDED WITH WP OR NEMA 3R RATING.
- B. PROVIDE HUB TYPE FITTINGS ON EXTERIOR CONDUITS.
- C. ALL EMPTY BOXES SHALL BE PROVIDED WITH BLANK COVER PLATES.
- D. VERIFY COLOR OF ALL DEVICES AND COVER PLATES WITH THE OWNER'S REPRESENTATIVE PRIOR TO ORDERING.
- E. ALL EXTERIOR COVER PLATES SHALL BE STAINLESS STEEL.
- F. RECEPTACLES PROVIDED AT COUNTER TOPS SHALL BE LOCATED AT +6" ABOVE BACK SPLASH. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- G. PROVIDE DUPLEX MECHANICAL EQUIPMENT MAINTENANCE RECEPTACLE WITHIN 25-FEET OF ALL EQUIPMENT TO BE SERVICED. LOCATE ON THE SAME LEVEL AS EQUIPMENT, INCLUDING ALL ATTICS, BASEMENTS AND CRAWL SPACES. IF LOCATED OUTDOOR OR BELOW GRADE GFCI PROTECTION IS REQUIRED.
- H. ALL ELECTRICAL CONSTRUCTION SHALL BE COORDINATED TO MAINTAIN WALL AND CEILING RATING INDICATED ON THE ARCHITECTURAL DOCUMENTS.
- I. PROVIDE TAMPER-RESISTANT RECEPTACLES ON ALL 15-20A 125-250V NON LOCKING TYPE RECEPTACLES IN THE FOLLOWING LOCATIONS PER ARTICLE 406.12 DWELLING UNITS, GUEST ROOMS OF HOTELS AND MOTELS, CHILD CARE FACILITIES, PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES, BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND THE LIKE IN CLINICS, MEDICAL AND DENTAL OFFICES AND OUTPATIENT FACILITIES, SUBSET OF ASSEMBLY OCCUPANCIES INCLUDING GYMNASIUMS, SKATING RINKS AND AUDITORIUMS AND DORMITORIES.

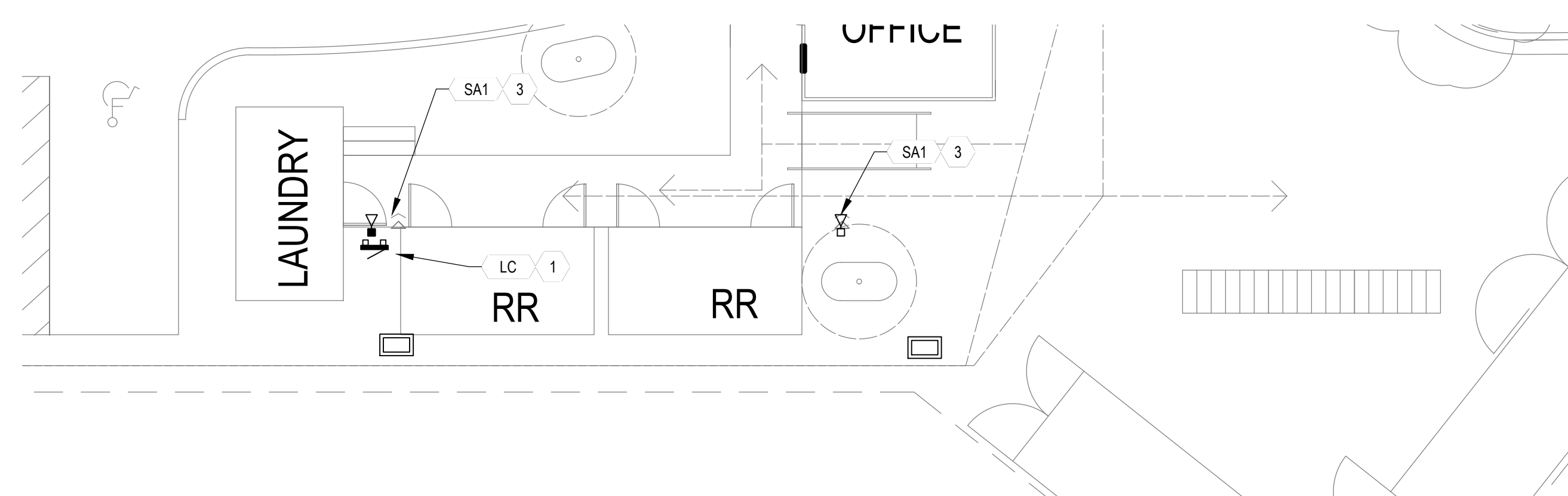


1 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

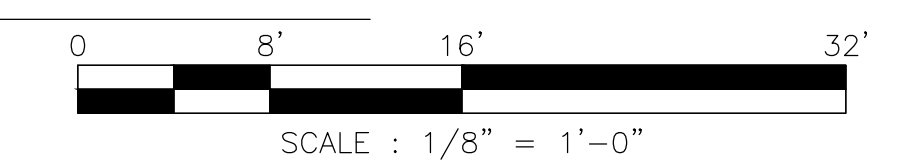
2 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



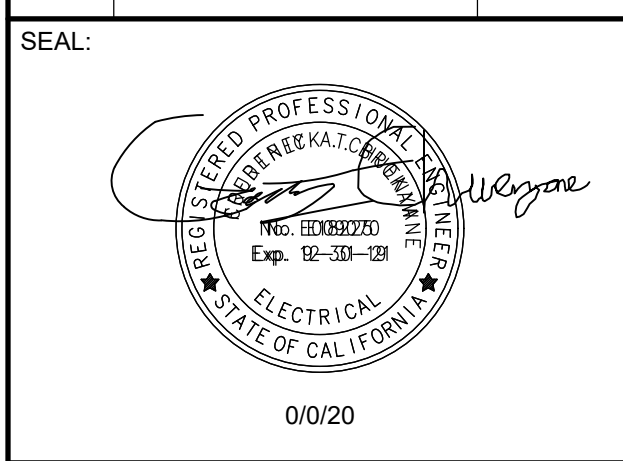
3 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



4 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
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**CITY OF PETALUMA
INTERIM HOUSING
SOLUTIONS PROJECT**
900 HOPPER STREET, PETALUMA, CA

SHEET NAME:
**ELECTRICAL PLAN
UNITS 1-9,
RESTROOMS**

ISSUE DATE:	Project Issue Date
PREPARATION AND REVIEW	
DRAWN BY:	
DESIGNER:	
PROJ MGR:	
PEER REVIEW:	
SHEET NUMBER:	

E111

SHEET NOTES - LIGHTING

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- I.

KEYED NOTES - LIGHTING

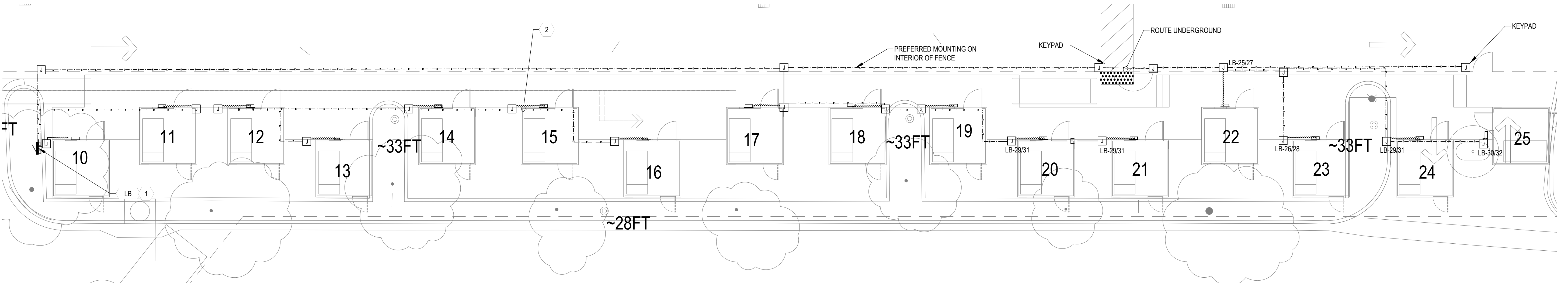
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KEYED NOTES

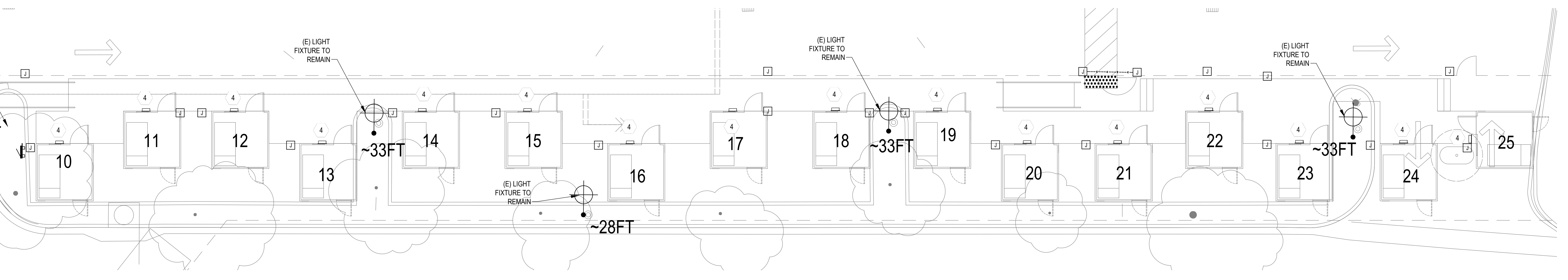
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SHEET NOTES - ELECTRICAL

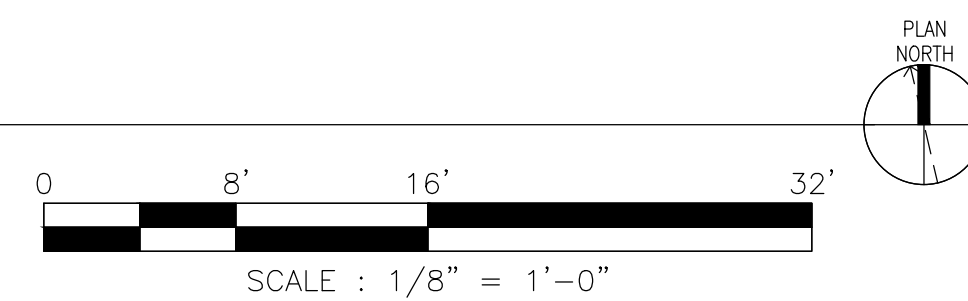
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- J. WORKING CLEARANCES FOR PANELBOARDS AND DISTRIBUTION BOARDS (NOT SERVICE ENTRANCE) UNDER 600V SHALL BE AS FOLLOWS: FOR 208V, 3P, 4W SYSTEMS MAINTAIN A MINIMUM 36-INCHES IN FRONT OF EQUIPMENT. FOR 240V OR 480V SYSTEMS MAINTAIN A MINIMUM OF 48-INCHES ON FRONT OF EQUIPMENT. PROVIDE MINIMUM 6'-6" HEADROOM AT ALL LOCATIONS.
- L. ALL NON-DWELLING KITCHEN RECEPTACLES, RATED 150V TO GROUND OR LESS, 50A OR LESS AND THREE PHASE RECP RATED 150V TO GROUND OR LESS AND 100A OR LESS SHALL BE GFCI PROTECTED PER CEC 210.8(B)(2).
- M.



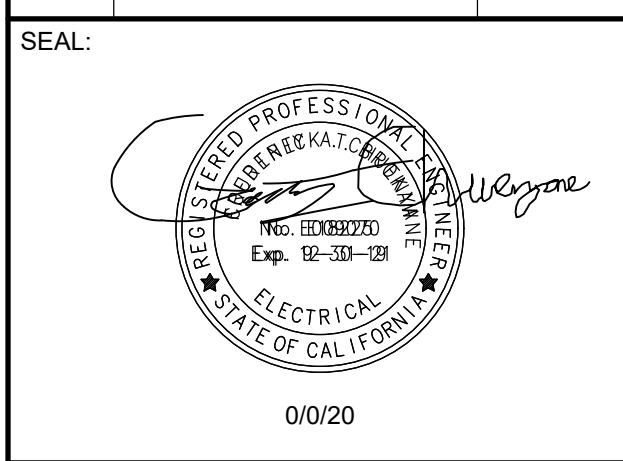
1 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



2 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
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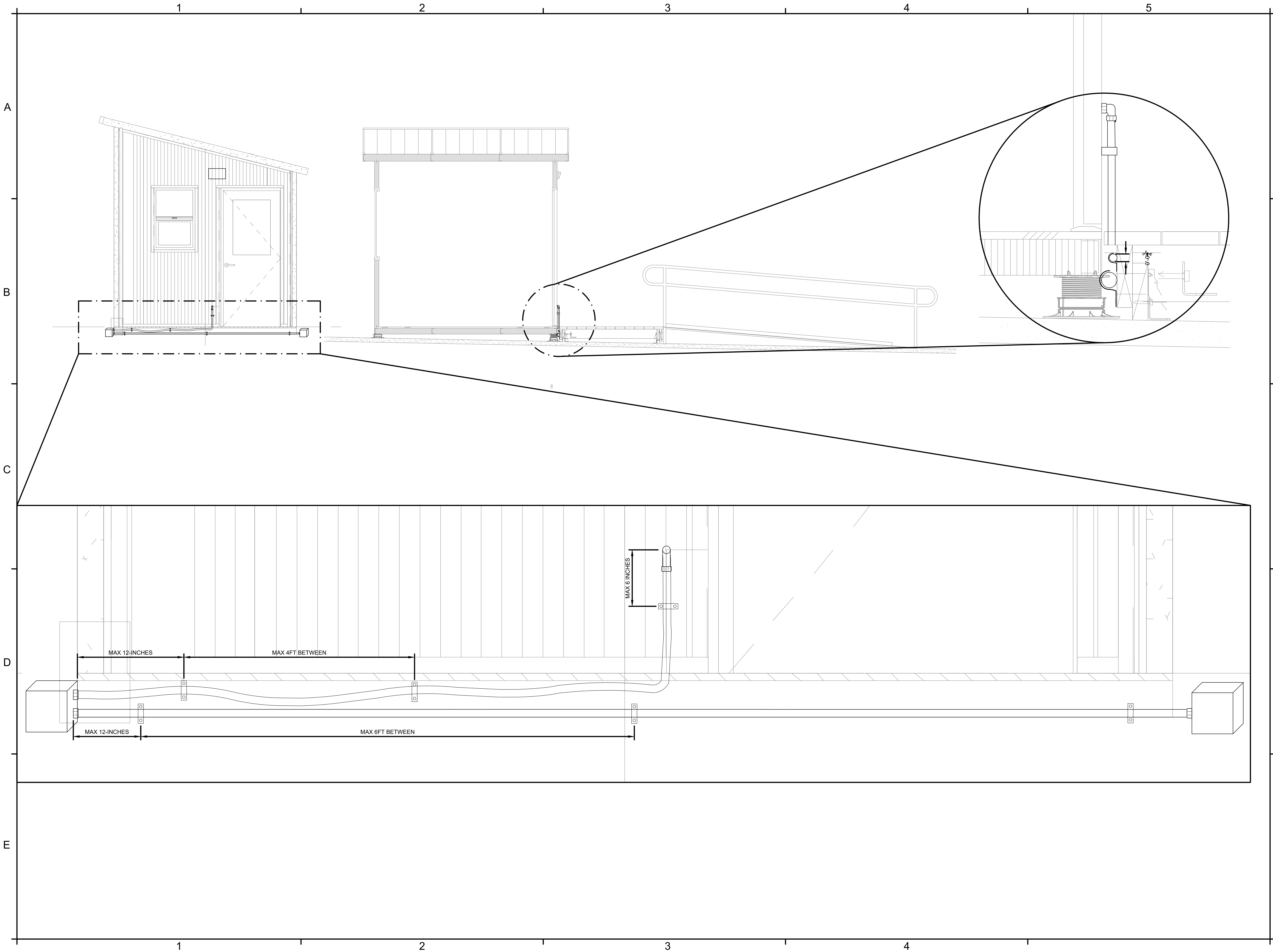
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900 HOPPER STREET, PETALUMA, CA

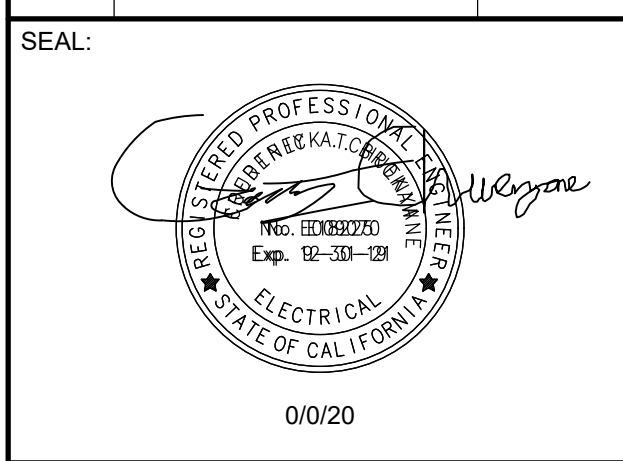
SHEET NAME:
**ELECTRICAL
PLAN
UNIT 10-25**

ISSUE DATE:	Project Issue Date
PREPARATION AND REVIEW	
DRAWN BY:	
DESIGNER:	
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E112



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CITY OF PETALUMA
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 SOLUTIONS PROJECT
 900 HOPPER STREET, PETALUMA, CA

SHEET NAME:
**ELECTRICAL
 DETAILS**

ISSUE DATE:	Project Issue Date
PREPARATION AND REVIEW	
DRAWN BY:	
DESIGNER:	
PROJ. MGR:	
PEER REVIEW:	
SHEET NUMBER:	

E502

