

City of Petaluma, California

PAVEMENT RESTORATION 21/22

NORTH McDOWELL BOULEVARD COMPLETE STREETS

OLD REDWOOD HWY. TO SUNRISE PKWY.



PROJECT NO.
C16102147



CITY OF PETALUMA
 PUBLIC WORKS & UTILITIES
 202 N. McDowell Blvd., PETALUMA, CALIFORNIA, 94954
 PH. 707-778-4546 FAX. 707-778-4508



NORTH McDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.

SHEET

T-1

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C16102147



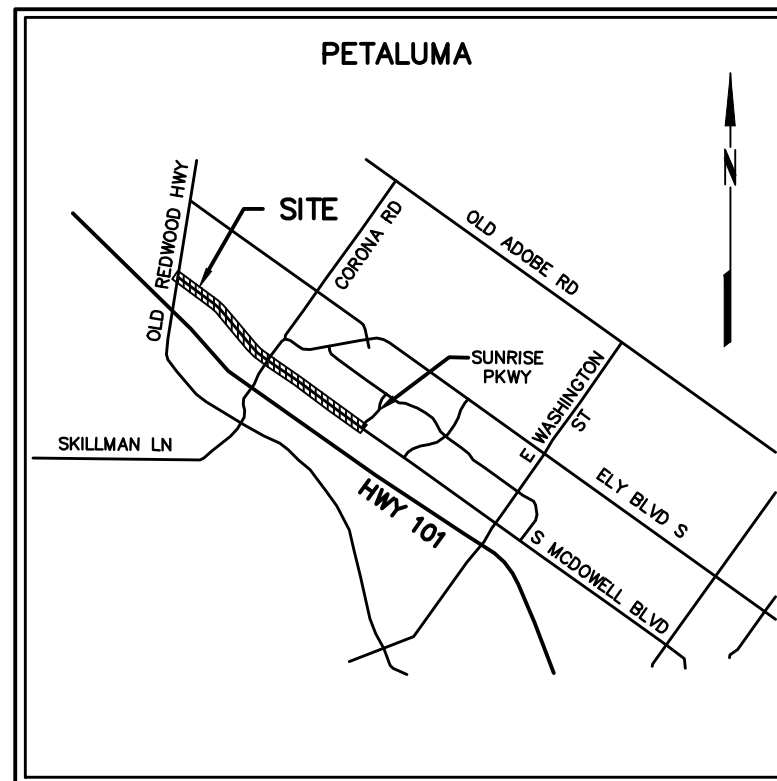
MAYOR
Teresa Barrett

VICE MAYOR
Brian Barnacle

COUNCIL MEMBERS
D'Lynda Fischer
Mike Healy
Dave King
Kevin McDonnell
Dennis Pocekay

CITY MANAGER
Peggy Flynn

DIRECTOR OF PUBLIC WORKS & UTILITIES
Christopher Bolt



VICINITY MAP
NOT TO SCALE

CIVIL ENGINEER: BKF ENGINEERS
200 4TH ST, STE. 300
SANTA ROSA, CA. 95401
PH: (707) 583-8500

TRANSPORTATION ENGINEER: PARISI TRANSPORTATION
800 BANCROFT WAY
BERKELEY, CA. 94710
PH: (510) 343-6400

GEOTECHNICAL ENGINEER: RGH CONSULTANTS
1305 NORTH DUTTON AVE
SANTA ROSA, CA. 95401
PH: (707) 544-1072

LAND SURVEYOR: BKF ENGINEERS
200 4TH ST, STE. 300
SANTA ROSA, CA. 95401
PH: (707) 583-8500

ALL PROJECT PLANS HAVE BEEN PREPARED AND REVIEWED TO COMPLY WITH CURRENT AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS AND/OR THE CALIFORNIA BUILDING STANDARDS CODE (CBCS).

THESE PROJECT PLANS CONTAIN ELEMENT(S) THAT ARE NOT "TECHNICALLY FEASIBLE" AND/OR CAN'T MEET THE APPLICABLE CBCS BECAUSE IT WOULD CREATE AN "UNREASONABLE HARDSHIP." PLEASE SEE THE WRITTEN ANALYSIS SUPPORTING THIS DETERMINATION FILED UNDER THE PROJECT FILE.

DESIGNED BY: RD 7/11/2022
SIGNATURE DATE

APPROVED BY:
KEN EICHSTAEDT P.E. C42058
ENGINEER

DESIGNED BY: RD
REBECCA DOWER P.E. C80868
PROJECT MANAGER

	SIGNATURE	DATE
CITY ENGINEER		
ENGINEERING MANAGER		
FIRE MARSHAL		
PARKS		
PLANNING		
POLICE		
UTILITY MANAGER		

RECORD PLAN

I _____ HEREBY STATE THAT THESE RECORD PLAN CHANGES ARE COMPLETE FROM INFORMATION FURNISHED BY THE PROJECT CONTRACTOR, SOILS ENGINEER AND MY OFFICE. I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE THE THE WORK WAS DONE IN ACCORDANCE WITH THE FINAL APPROVED PLANS. THE ENGINEER AND THE CITY WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. FIELD VERIFICATION OF CRITICAL FACTS AND DATA SHOULD BE MADE IF THESE DOCUMENTS ARE TO BE USED AS A BASIS FOR FUTURE WORK. ENGINEER'S SIGNATURE _____ DATE: _____

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BKF ENGINEERS
200 4th STREET
SUITE 300
SANTA ROSA, CA 95401
(707) 583-8500
www.bkf.com



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SHEET INDEX

GENERAL NOTES

ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CURRENT CITY OF PETALUMA DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AND THE LATEST EDITION OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS.

THE CONTRACTOR SHALL OBTAIN RELEVANT PERMITS AND APPROVALS REQUIRED BY THE CITY OF PETALUMA PRIOR TO COMMENCING WORK. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

THE DESIGN PROFESSIONAL WHO PREPARED THESE DRAWINGS IS NOT RESPONSIBLE FOR THE MISUSE OF, OR UNAUTHORIZED CHANGES MADE TO THESE DRAWINGS. OBTAIN WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL WHO PREPARED THESE DRAWINGS PRIOR TO MAKING CHANGES.

SPOILS AND OTHER UNUSED MATERIAL SHALL BE REMOVED AS THEY ARE GENERATED AND DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE DESIGN PROFESSIONAL AND THE CITY OF PETALUMA, AND EACH OF THEIR OFFICERS, EMPLOYEES, AND AGENTS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

THE LOCATIONS OF UNDERGROUND OBSTRUCTIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THESE DRAWINGS MAY NOT INCLUDE ALL EXISTING UTILITIES INCLUDING SEWERS AND STORM DRAINS, AND THAT THE CITY OF PETALUMA AND THE DESIGN PROFESSIONAL ASSUME NO RESPONSIBILITY FOR OBSTRUCTIONS WHICH MAY BE ENCOUNTERED.

THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING SURVEY MONUMENTS. IF THE CONTRACTOR SUSPECTS THAT WORK WILL BE CONDUCTED IN AN AREA WHICH MAY RESULT IN THE DISTURBANCE OF SURVEY MONUMENTS, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED PROFESSIONAL AUTHORIZED TO PRACTICE LAND SURVEYING TO LOCATE SAID MONUMENTS PRIOR TO DISTURBANCE, RE-ESTABLISH MONUMENTS WHICH HAVE BEEN DISTURBED AS A RESULT OF CONSTRUCTION AND FILE THE APPROPRIATE DOCUMENTATION WITH THE COUNTY ONCE THE MONUMENTS ARE RESET AT THE CONTRACTOR'S EXPENSE.

CONSTRUCTION HOURS SHALL BE LIMITED TO 7:00 AM TO 5:00 PM MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS. THIS RESTRICTION INCLUDES THE START UP OF ANY MOTORIZED EQUIPMENT. ALL CONTRACTORS' EQUIPMENT SHALL BE PROPERLY MUFFLED AND SHALL BE SHUT DOWN WHEN NOT IN USE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE OR DETERIORATION OCCURRING TO EXISTING PUBLIC IMPROVEMENTS AS A DIRECT RESULT OF CONSTRUCTION ACTIVITY. REPAIR MAY REQUIRE PATCHING, SEALING OR OVERLAYING AFFECTED AREAS AS APPROPRIATE TO RETURN THE ROADS TO AT LEAST AS GOOD A CONDITION AS THEY WERE PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACT IN A TIMELY MANNER, THE CITY MAY, AT ITS DISCRETION PERFORM THE CORRECTION AND CHARGE THE CONTRACTOR FOR ALL COSTS INCURRED.

RECORD DRAWINGS SHALL BE PROVIDED TO THE CITY UPON COMPLETION OF PROJECT AND PRIOR TO FINAL ACCEPTANCE.

THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS OF UTILITIES WITHIN THE PROJECT AREA TO HAVE THEIR FACILITIES ADJUSTED TO GRADE.

ADA COMPLIANCE: CONSTRUCTION CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) WHILE WORKING IN THE PUBLIC RIGHT-OF-WAY. IF CONSTRUCTION CONTRACTOR'S WORK IN THE PUBLIC RIGHT-OF-WAY WILL AFFECT PEDESTRIAN ACCESS, THE CONSTRUCTION CONTRACTOR IS REQUIRED TO PROVIDE A PROPERLY SIGNED ACCESSIBLE ROUTE OF TRAVEL. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. FAILURE TO COMPLY WITH THE ADA CAN HAVE SERIOUS CONSEQUENCES FOR THE CONTRACTOR. SUCH FAILURE MAY RESULT IN LAWSUITS FOR REGULATORY ACTIONS BY THE DEPARTMENT OF JUSTICE OR THE STATE ATTORNEY GENERAL.

EXISTING CONCRETE SHALL BE REMOVED AT EXPANSION OR WEAKENED PLANE JOINTS OR AT SAWCUTS AS FIELD MARKED BY THE CITY ENGINEER. SAW CUTS MUST GO ENTIRELY THROUGH THE CONCRETE.

NO CONCRETE SHALL BE PLACED UNTIL THE AGENCY ENGINEER HAS INSPECTED AND APPROVED FORMS AND SUBGRADE/BASE.

THE DESIGNATED DIMENSIONS AND SLOPES MAY BE MODIFIED TO ACCOMMODATE EXISTING ADJACENT FACILITIES SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

CURB, GUTTER AND SIDEWALK SHALL COMPLY WITH CITY OF PETALUMA CONSTRUCTION STANDARDS 202.1, 203.1, 204.1, BUT CURB HEIGHT MAY VARY AS SHOWN ON PLAN AND TO FIT FIELD CONDITIONS.

CURB RAMPS AND DETECTABLE WARNINGS SHALL COMPLY WITH CITY OF PETALUMA CONSTRUCTION STANDARDS 206.1, 206.2, AND 206.3.

GRADING, EROSION AND SEDIMENT CONTROL NOTES

THE CONTRACTOR SHALL KEEP THE WORK SITE, STAGING AREAS AND OTHER AREAS USED BY THE CONTRACTOR IN A NEAT AND CLEAN CONDITION, AND FREE FROM ANY ACCUMULATION OF TRASH. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH, RUBBISH AND WASTE MATERIALS OF ANY KIND GENERATED BY THE CONTRACTOR, SUBCONTRACTOR OR ANY COMPANY HIRED BY THE CONTRACTOR ON A DAILY BASIS.

THE CONTRACTOR SHALL ENSURE THE CONTAINMENT OF SANITATION FACILITIES (E.G., PORTABLE TOILETS) TO PREVENT DISCHARGES OF POLLUTANTS TO THE STORM WATER DRAINAGE SYSTEM, ROADS OR RECEIVING WATERS. SANITATION FACILITIES MUST BE MAINTAINED PERIODICALLY BY A LICENSED SERVICE COMPANY TO KEEP THEM IN GOOD WORKING ORDER AND PREVENT OVERFLOWS. PORTABLE TOILETS ARE REQUIRED TO HAVE SECONDARY CONTAINMENT.

EQUIPMENT AND MATERIALS NECESSARY FOR CONTROL OF SPILLS SHALL BE AVAILABLE ON SITE AT ALL TIMES. SPILLS AND LEAKS SHALL BE STOPPED AND THE MATERIAL CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY. USE PROPER BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT OIL, GREASE, OR FUEL FROM LEAKING ON THE GROUND, INTO THE STORM DRAINS OR SURFACE WATERS.

THE CONTRACTOR SHALL CONTAIN CONCRETE WASHOUT AREAS AND SIMILAR AREAS THAT MAY CONTAIN POLLUTANTS TO PREVENT DISCHARGE INTO THE UNDERLYING SOIL OR ONTO THE SURROUNDING AREAS.

THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN EFFECTIVE SITE PERIMETER CONTROLS TO SUFFICIENTLY CONTROL EROSION AND SEDIMENT DISCHARGES AND TRACKED MATERIALS FROM LEAVING THE SITE. AT A MINIMUM DAILY AND PRIOR TO ANY RAIN EVENT, THE CONTRACTOR SHALL REMOVE ANY SEDIMENT OR OTHER CONSTRUCTION ACTIVITY RELATED MATERIALS THAT ARE DEPOSITED ON THE ROADS (BY VACUUMING OR SWEEPING).

AT A MINIMUM, ALL BMPs SHALL BE INSPECTED EACH WORKING DAY AND BEFORE ALL RAIN EVENTS. BMPs THAT REQUIRE MAINTENANCE OR REPLACEMENT TO FUNCTION PROPERLY SHALL BE COMPLETED BEFORE THE NEXT FORECASTED RAIN, OR WITHIN THE NEXT THREE (3) WORKING DAYS IF NO RAIN IS PREDICTED. MAINTENANCE INCLUDES REMOVAL OF ACCUMULATED SEDIMENT AND TRASH.

THE CONTRACTOR SHALL PROVIDE DUST CONTROL THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT TO MINIMIZE AIRBORNE POLLUTANTS.

STORM DRAIN SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS DURING ALL PHASES OF CONSTRUCTION. IT IS NOT ALLOWED TO WASH DIRT/DEBRIS DOWNSTREAM IN PIPES.

PRIOR TO ANY GRADING OPERATION, THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AROUND THE DRIP LINES OF TREES TO BE SAVED. THE CUTTING, FILLING, PAVING OR TRENCHING WITHIN ROOT ZONES OF TREES TO BE SAVED MUST BE REVIEWED AND APPROVED BY A CITY APPROVED ARBORIST AND PERFORMED UNDER THEIR ON-SITE SUPERVISION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTANT MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES TO THE SATISFACTION OF THE CITY OF PETALUMA. EROSION AND SEDIMENT CONTROL MEASURES AND THEIR INSTALLATION SHALL BE ACCOMPLISHED USING BEST MANAGEMENT PRACTICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF MUD AND DEBRIS CARRIED ONTO SURROUNDING STREETS AND ROADS AS A RESULT OF CONSTRUCTION ACTIVITY TO THE SATISFACTION OF THE CITY OF PETALUMA.

STRIPING AND SIGNING NOTES

UNLESS OTHERWISE SHOWN ON PLAN, THE CONTRACTOR SHALL RESTORE EXISTING STRIPING, SIGNAGE, CURB PAINT, ETC. THAT IS DAMAGED OR REMOVED (AND DOES NOT CONFLICT WITH THE PROPOSED STRIPING & SIGNAGE IMPROVEMENTS) AS A DIRECT RESULT OF CONSTRUCTION ACTIVITY TO AT LEAST AS GOOD A CONDITION AS THEY WERE PRIOR TO CONSTRUCTION.

STRIPING, PAVEMENT MARKINGS AND SIGNING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS AND THE CURRENT EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

PROPOSED STRIPING AND MARKING SHALL BE INSTALLED THE SAME DAY AS THE REMOVAL OF THE EXISTING STRIPING AND MARKINGS. IF NOT, CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKERS UNTIL PROPOSED STRIPING AND MARKING ARE INSTALLED.

EXISTING STRIPING AND MARKINGS TO BE REMOVED SHALL BE REMOVED BY SAND BLASTING OR AN EQUIVALENT METHOD WHICH PERMANENTLY REMOVES THE STRIPING WITHOUT JEOPARDIZING THE INTEGRITY OF THE EXISTING PAVEMENT.

PAVEMENT LEGENDS, CROSSWALKS AND STOP BARS SHALL BE INSTALLED BY USING THERMOPLASTIC IN ACCORDANCE WITH CALIFORNIA MUTCD AND CALTRANS STANDARD SUPPLEMENTAL SPECIFICATIONS.

ALL SIGNING SHALL COMPLY WITH MUTCD AND STATE SUPPLEMENTAL GUIDELINES, SHALL BE REFLECTORIZED HIGH INTENSITY SHEETING AND SHALL BE OF ALUMINUM ALLOY MATERIAL.

MAPPING NOTES

THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND ARE BASED ON OBSERVED TOPOGRAPHIC SURFACE FEATURES. THE PROFESSIONAL PREPARING THESE DRAWINGS ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE UNDERGROUND FACILITIES OR FOR THE INADVERTENT OMISSION OF RELATED INFORMATION.

TREE DIAMETERS ARE MEASURED AT CHEST HEIGHT (48"±). DRIPLINE DIAMETERS ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED BY A CERTIFIED TREE ARBORIST.

MISCELLANEOUS BOUNDARY INFORMATION SHOWN HEREON WAS OBTAINED FROM RECORD DATA AND DOES NOT CONSTITUTE A BOUNDARY SURVEY.

TOPOGRAPHIC INFORMATION SHOWN HEREON WAS MAPPED BY BKF ENGINEERS IN MARCH 2021 VIA AERIAL DRONE SURVEY AND SUPPLEMENTED WITH FIELD SURVEYS COMPLETED ON: MARCH 4, 2022 AND APRIL 1, 2022.

BENCHMARK: MAG NAIL IN AC, LOCATION SHOWN HEREON, ELEVATION 33.57'. ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) ESTABLISHED BY EPOCH 2017.50 ELLIPSOID HEIGHTS AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER AND NGS GEOID 18.

BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD83) (2011), EPOCH 2017.50, AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER, CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 2. DISTANCES ARE GROUND BASED. MULTIPLY BY A COMBINED SCALE FACTOR OF 1.0000212307 TO OBTAIN GRID DISTANCES.

SYMBOLS & LEGEND

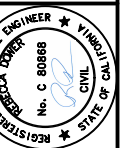
Table with columns for EXISTING and PROPOSED symbols, and a list of corresponding items such as BENCHMARK, VALVE, CHECK VALVE, BACKFLOW PREVENTION DEVICE, etc.

ABBREVIATIONS

Table listing abbreviations and their meanings, including ± MORE OR LESS, Δ ANGLE POINT, AB AGGREGATE BASE, AC ASPHALT CONCRETE, etc.



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NORTH MCDOWELL BLVD. - COMPLETE STREETS OLD REDWOOD HWY. TO SUNRISE PKWY. PROJECT INFORMATION AND GENERAL NOTES

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PV-1, ST-1, EC-1

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PV-2, ST-2, EC-2

SHEETS
LY-3, DM-3, GR-3,
PV-3, ST-3, EC-3

SHEETS
LY-5, DM-5, GR-5,
PV-5, ST-5, EC-5

SHEETS
LY-7, DM-7, GR-7,
PV-7, ST-7, EC-7

SHEETS
LY-8, DM-8, GR-8,
PV-8, ST-8, EC-8

SHEETS
LY-4, DM-4, GR-4,
PV-4, ST-4, EC-4

SHEETS
LY-6, DM-6, GR-6,
PV-6, ST-6, EC-6

SHEETS
LY-9, DM-9, GR-9,
PV-9, ST-9, EC-9

SHEETS
LY-10, DM-10, GR-10,
PV-10, ST-10, EC-10

SHEETS
LY-14, DM-14, GR-14,
PV-14, ST-14, EC-14

SHEETS
LY-15, DM-15, GR-15,
PV-15, ST-15, EC-15

SHEETS
LY-12, DM-12, GR-12,
PV-12, ST-12, EC-12

SHEETS
LY-13, DM-13, GR-13,
PV-13, ST-13, EC-13

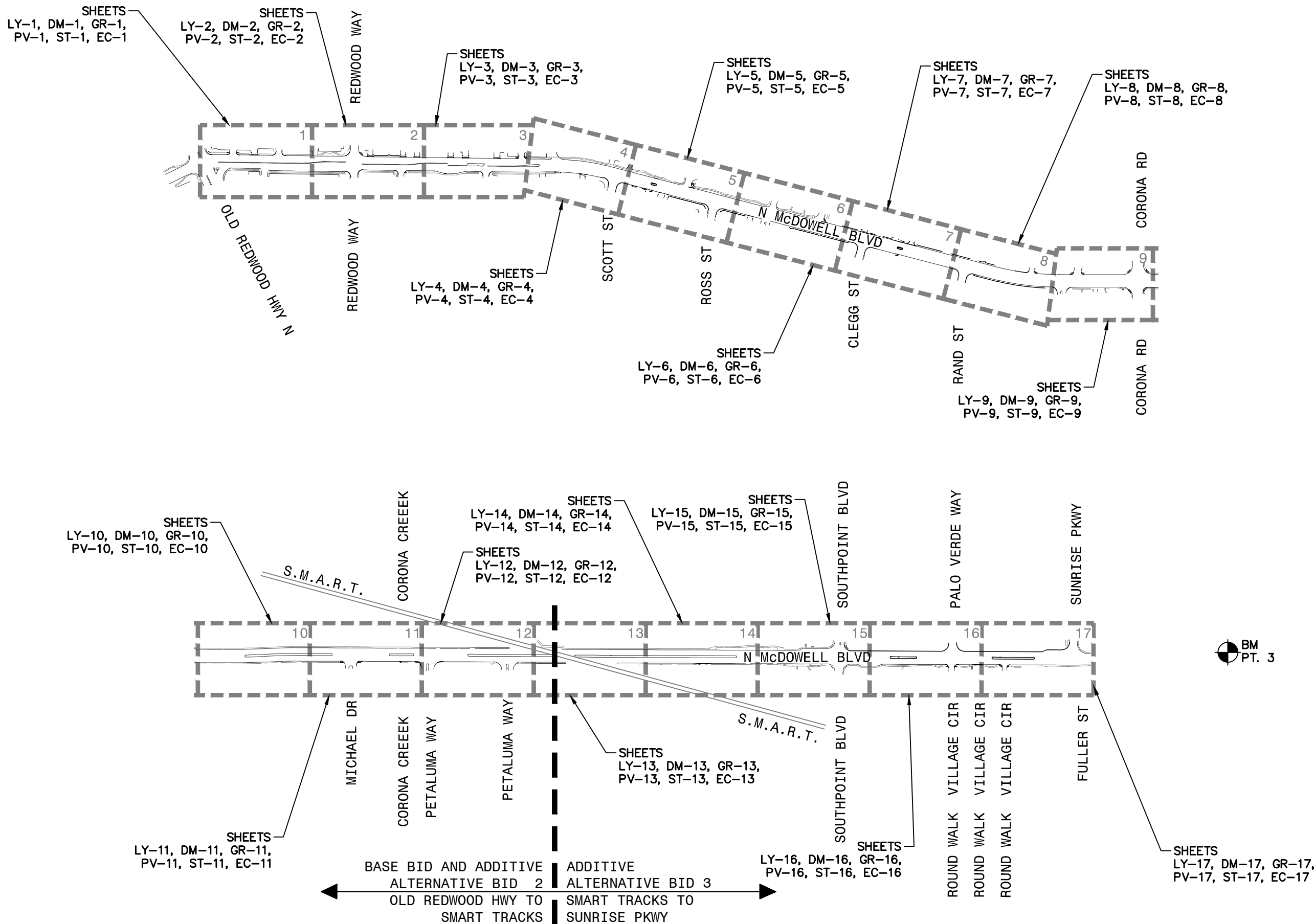
SHEETS
LY-16, DM-16, GR-16,
PV-16, ST-16, EC-16

SHEETS
LY-17, DM-17, GR-17,
PV-17, ST-17, EC-17

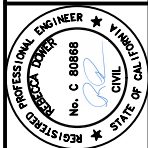
SHEETS
LY-11, DM-11, GR-11,
PV-11, ST-11, EC-11

BASE BID AND ADDITIVE
ALTERNATIVE BID 2
OLD REDWOOD HWY TO
SMART TRACKS

ADDITIVE
ALTERNATIVE BID 3
SMART TRACKS TO
SUNRISE PKWY



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C16102147

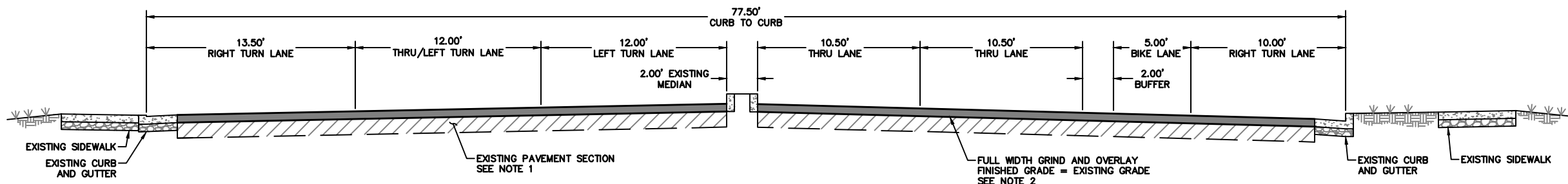


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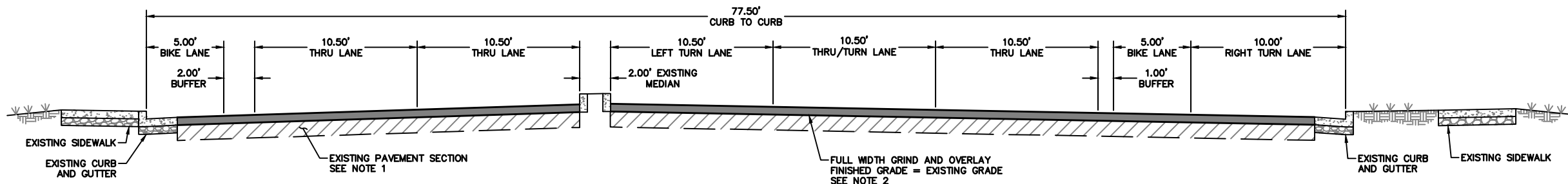


NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.

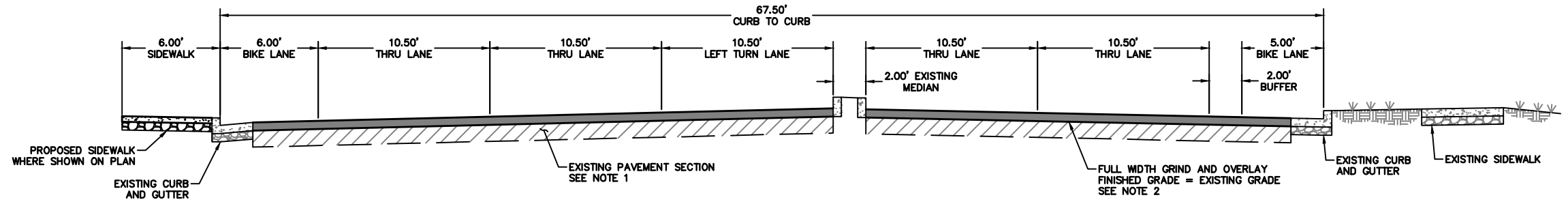
SHEET
KM-1
4 OF 135



1
—
TYPICAL SECTION 1
STATION 1+50 TO STATION 6+50



2
—
TYPICAL SECTION 2
STATION 6+50 TO STATION 9+00



3
—
TYPICAL SECTION 3
STATION 9+00 TO STATION 18+00

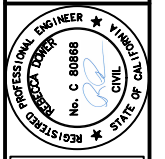
NOTES

1. EXISTING PAVEMENT SECTION VARIES THROUGHOUT THE CORRIDOR. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. REFER TO THE PAVING SHEETS FOR PAVING LIMITS AND GRIND AND OVERLAY THICKNESS.
3. PROVIDE ASPHALT FULL DEPTH CONFORM WHERE NEW CONCRETE IMPROVEMENTS ARE ADJACENT TO ROADWAY. REFER TO THE CONSTRUCTION DETAIL SHEETS AND PAVING SHEETS FOR CONFORM WIDTH INFORMATION.

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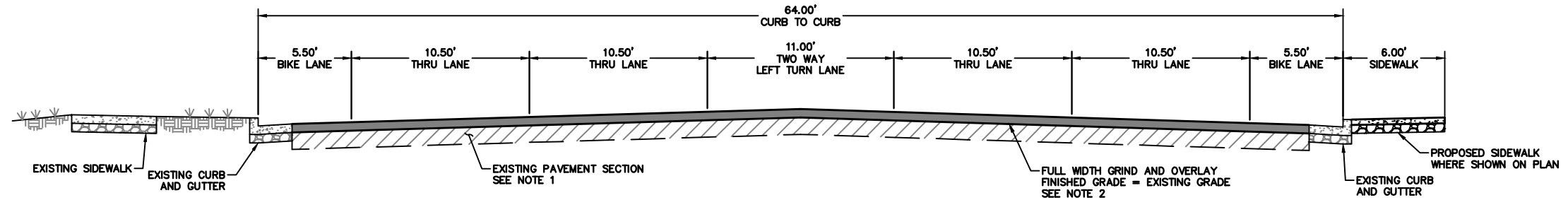
**NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.**

SHEET

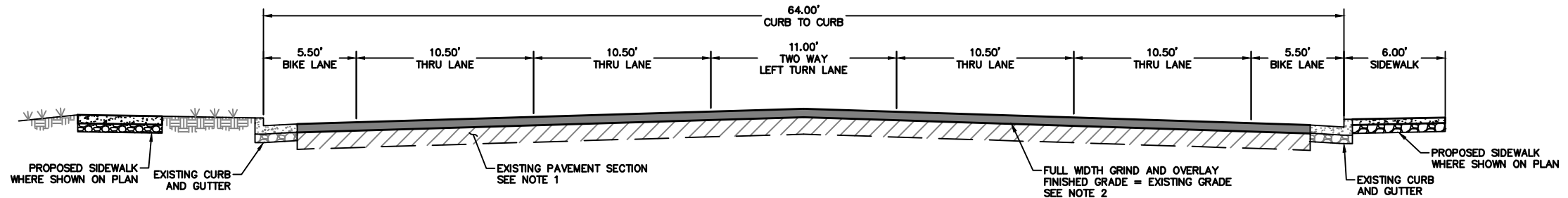
TS-1

5 OF 135

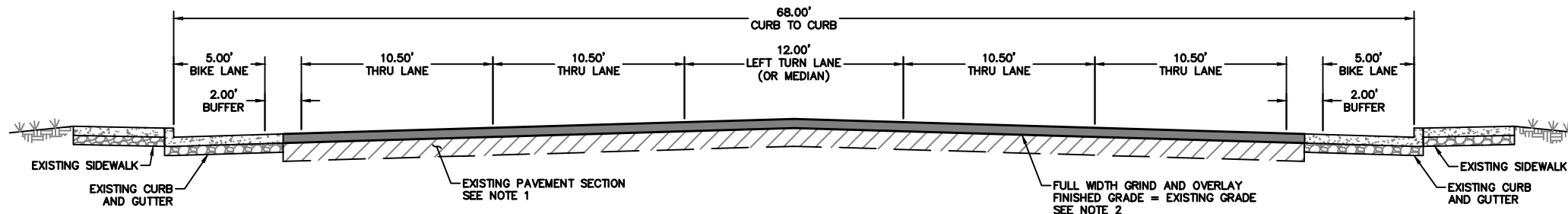
TYPICAL SECTIONS



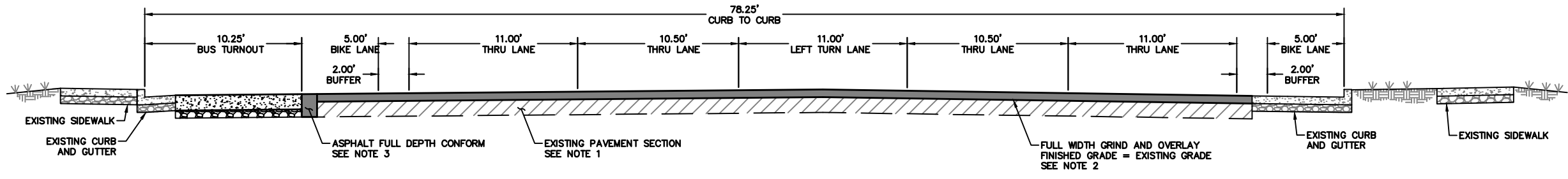
4
—
TYPICAL SECTION 4
STATION 18+00 TO STATION 33+00



5
—
TYPICAL SECTION 5
STATION 33+00 TO STATION 49+00



6
—
TYPICAL SECTION 6
STATION 49+00 TO STATION 80+50



7
—
TYPICAL SECTION 7
STATION 80+50 TO STATION 82+50

NOTES

1. EXISTING PAVEMENT SECTION VARIES THROUGHOUT THE CORRIDOR. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. REFER TO THE PAVING SHEETS FOR PAVING LIMITS AND GRIND AND OVERLAY THICKNESS.
3. PROVIDE ASPHALT FULL DEPTH CONFORM WHERE NEW CONCRETE IMPROVEMENTS ARE ADJACENT TO ROADWAY. REFER TO THE CONSTRUCTION DETAIL SHEETS AND PAVING SHEETS FOR CONFORM WIDTH INFORMATION.

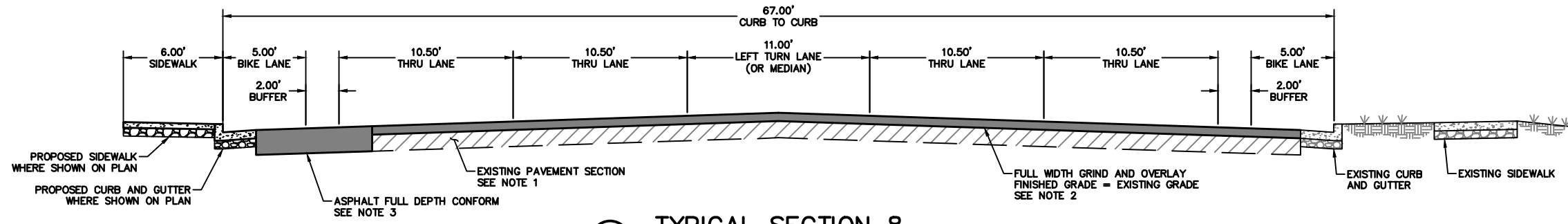
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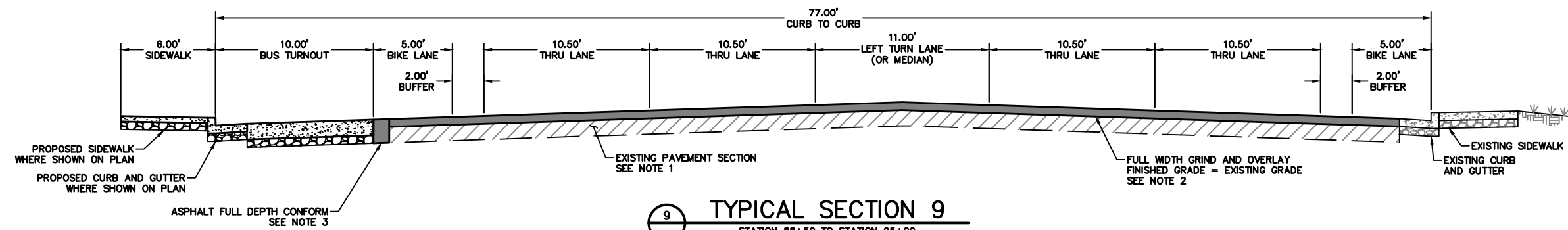
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TYPICAL SECTIONS
NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.

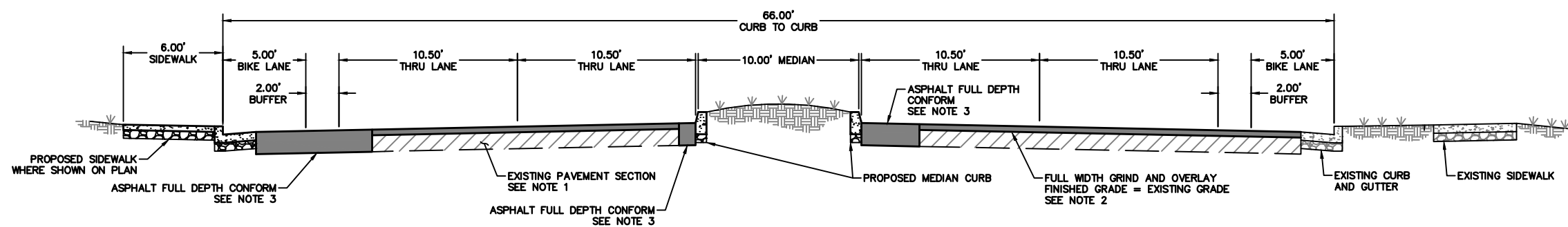
SHEET
TS-2
6 OF 135



8
TYPICAL SECTION 8
 STATION 82+50 TO STATION 88+50



9
TYPICAL SECTION 9
 STATION 88+50 TO STATION 95+00



10
TYPICAL SECTION 10
 STATION 85+00 TO STATION 87+00
 AND STATION 90+50 TO STATION 93+00

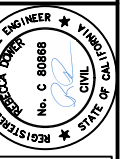
NOTES

1. EXISTING PAVEMENT SECTION VARIES THROUGHOUT THE CORRIDOR. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. REFER TO THE PAVING SHEETS FOR PAVING LIMITS AND GRIND AND OVERLAY THICKNESS.
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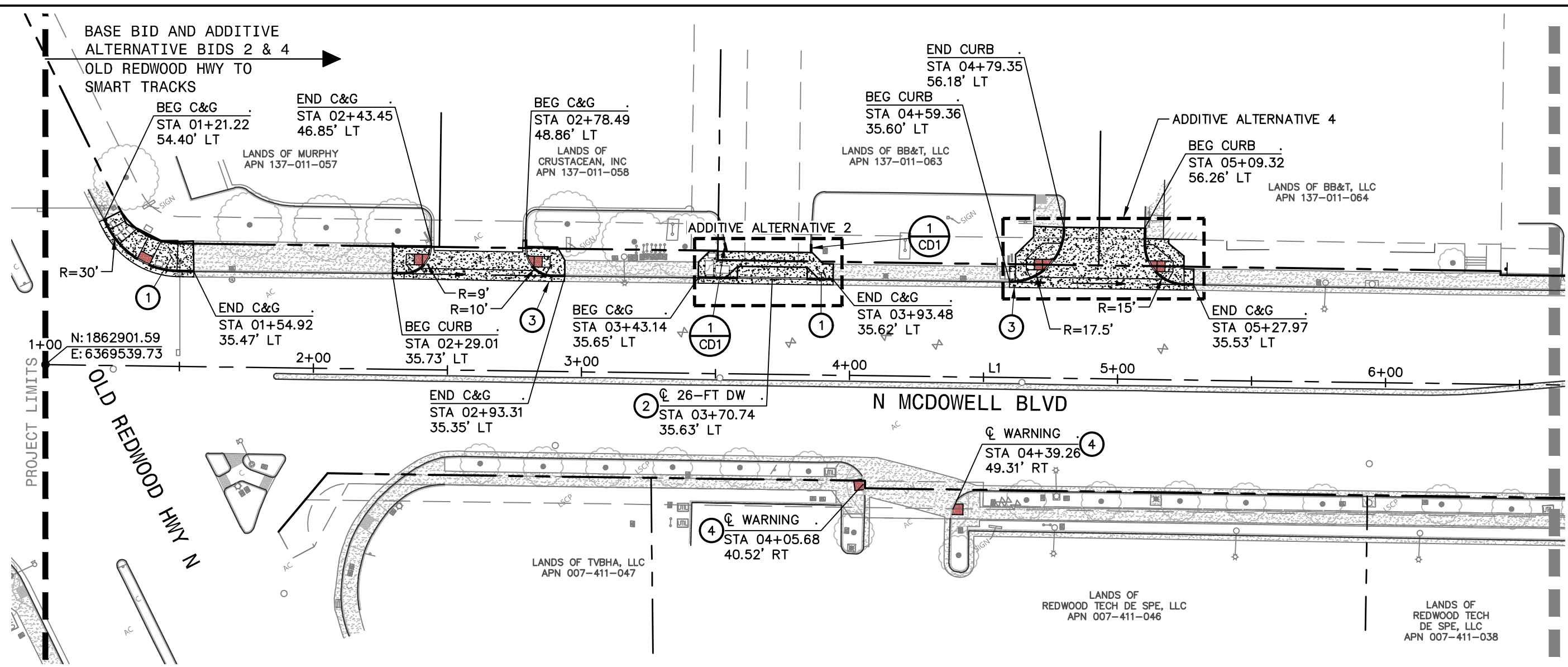
**NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.**

SHEET

TS-3

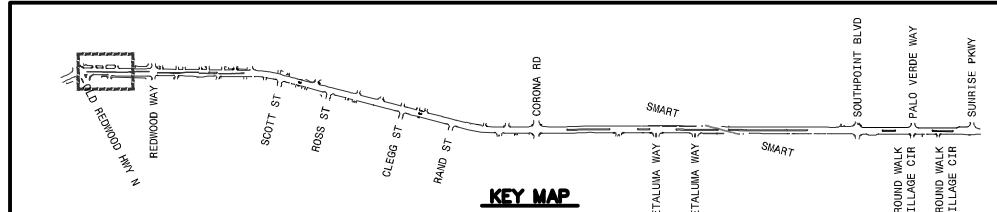
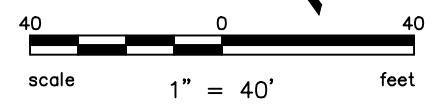
7 OF 135

BASE BID AND ADDITIVE
ALTERNATIVE BIDS 2 & 4



- KEYNOTES:**
- ① 6-FT CONCRETE SIDEWALK.
 - ② COMMERCIAL DRIVEWAY.
 - ③ VALLEY GUTTER.
 - ④ EMBEDDED DETECTABLE WARNING SURFACE.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L1	1661.91	S53° 29' 22"E



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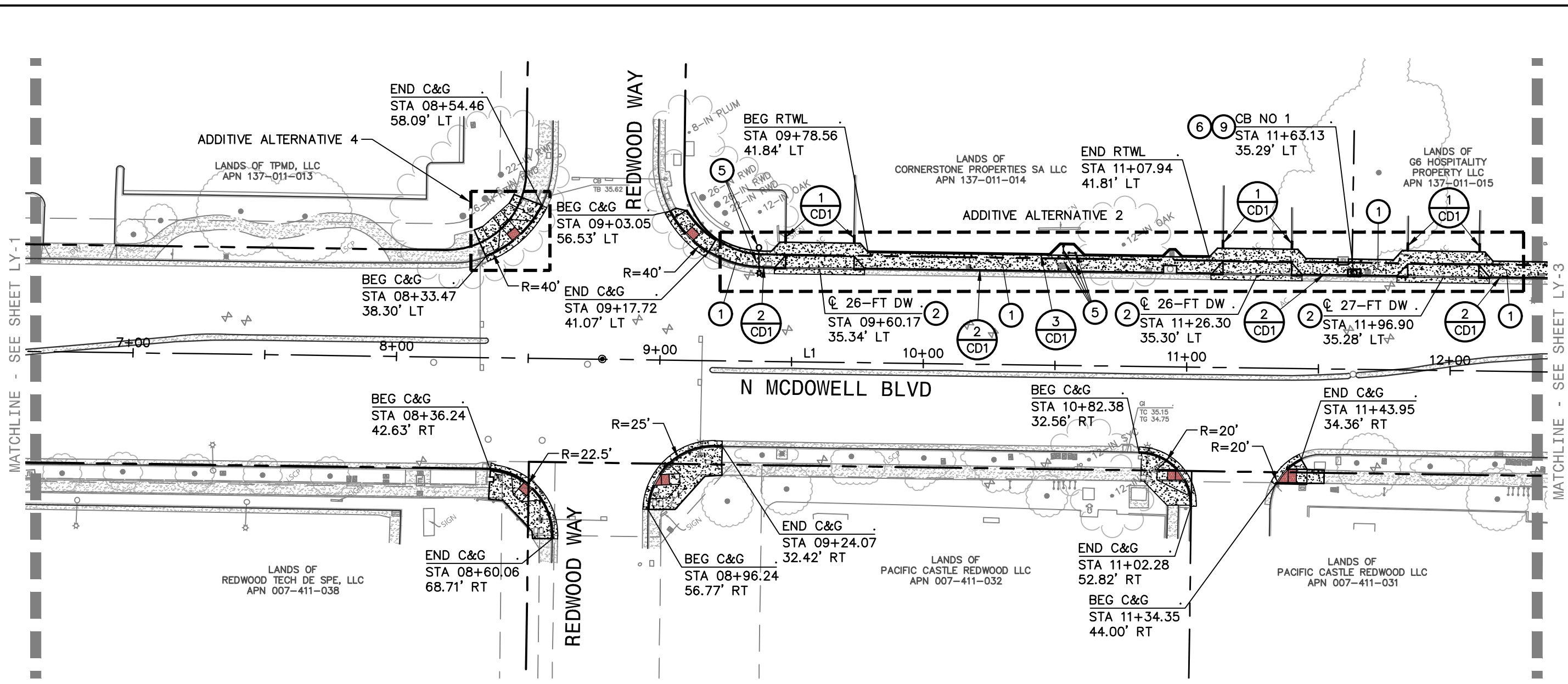


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NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
LAYOUT PLAN
STA 01+00 TO STA 06+50

SHEET
LY-1
8 OF 135



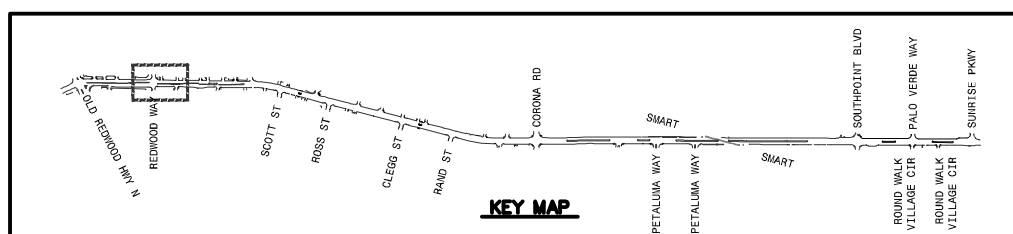
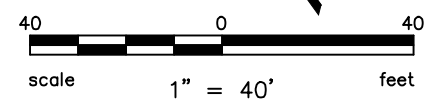
MATCHLINE - SEE SHEET LY-1

MATCHLINE - SEE SHEET LY-3

KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.
- ⑤ RELOCATE EXISTING UTILITY TO BACK OF SIDEWALK.
- ⑥ REPLACE EXISTING GRATE WITH CATCH BASIN.
- ⑨ TYPE "A" STORM DRAIN CATCH BASIN.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L1	1661.91	S53° 29' 22"E



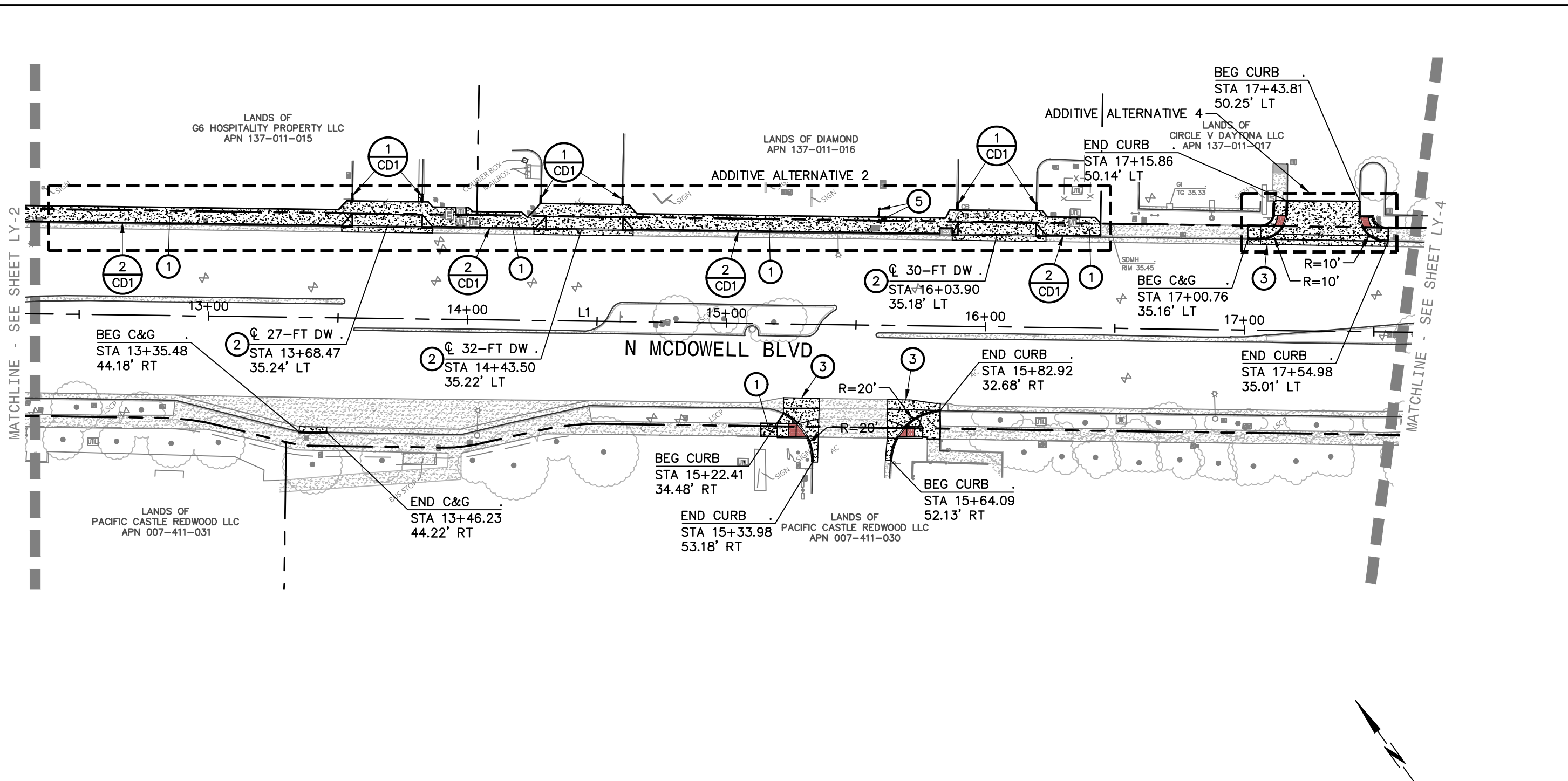
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NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 LAYOUT PLAN
 STA 06+50 TO STA 12+50



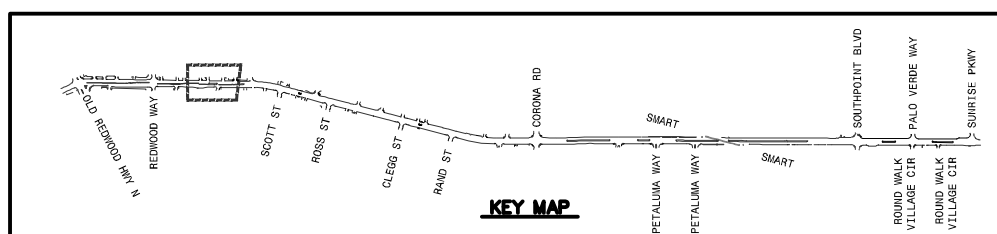
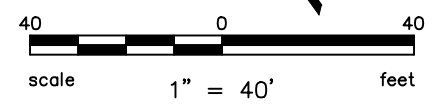
MATCHLINE - SEE SHEET LY-2

MATCHLINE - SEE SHEET LY-4

KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.
- ③ VALLEY GUTTER.
- ⑤ RELOCATE EXISTING UTILITY TO BACK OF SIDEWALK.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L1	1661.91	S53° 29' 22"E



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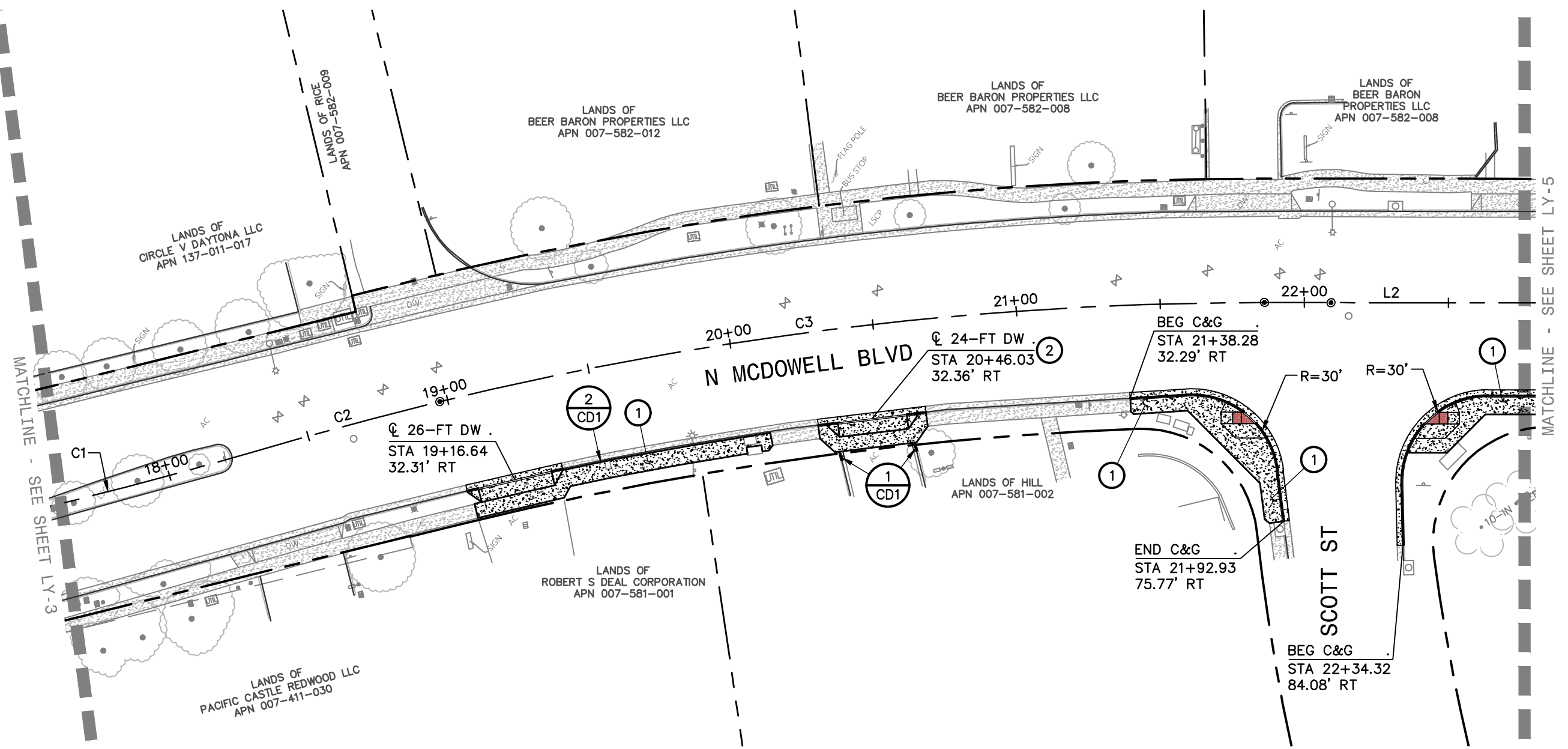
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NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 LAYOUT PLAN
 STA 12+50 TO STA 17+50

SHEET
LY-3
10 OF 135

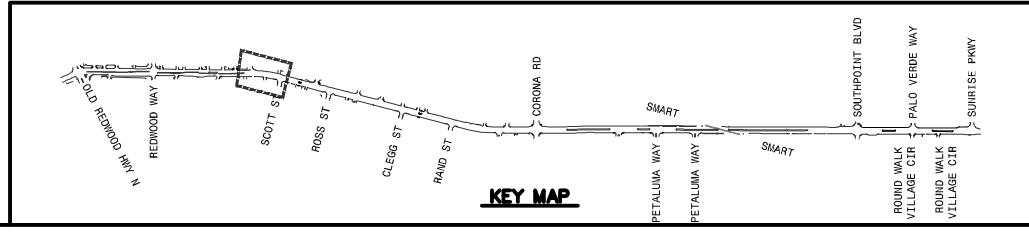
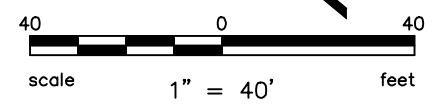


KEYNOTES:

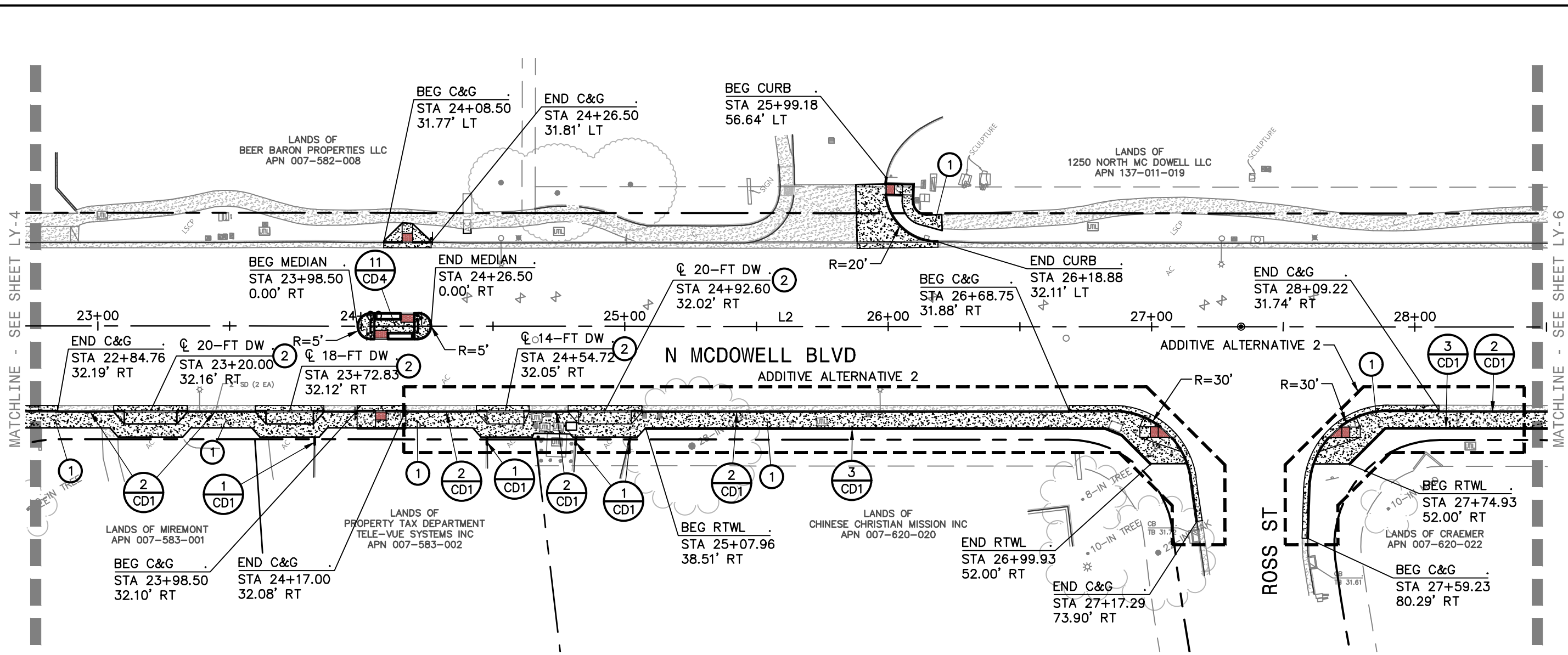
- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.

ALIGNMENT CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	2°35'03"	1500.00	67.65
C2	2°28'36"	1500.00	64.84
C3	13°55'03"	1200.00	291.49

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L2	2026.87	S39° 40' 46"E



Proj: LY-4, 2022.01.10.02a
 202059_DLY.dwg
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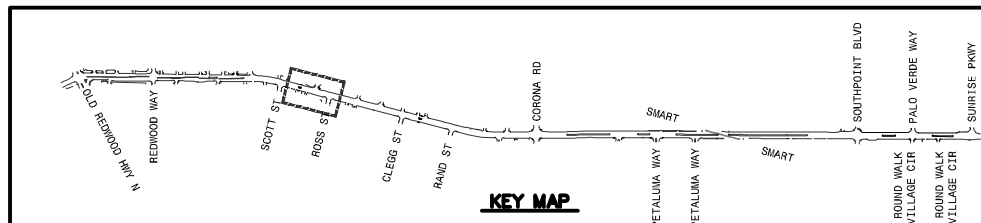
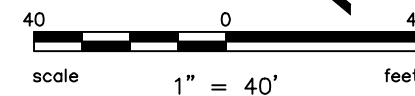
MATCHLINE - SEE SHEET LY-4

MATCHLINE - SEE SHEET LY-6

KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L2	2026.87	S39° 40' 46"E



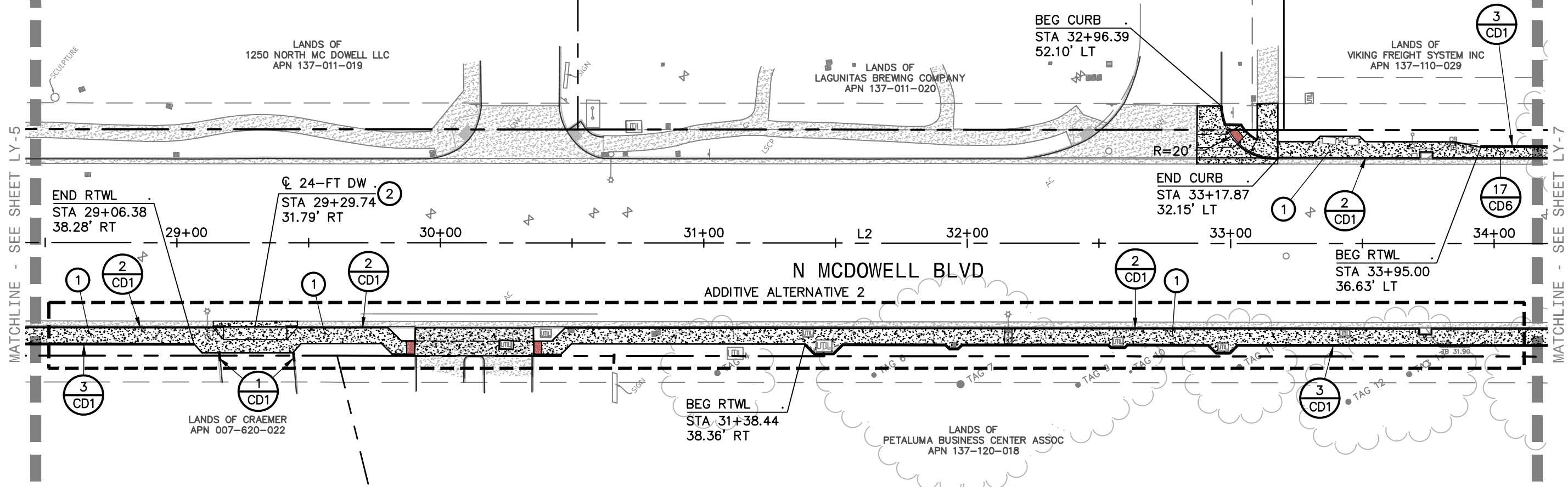
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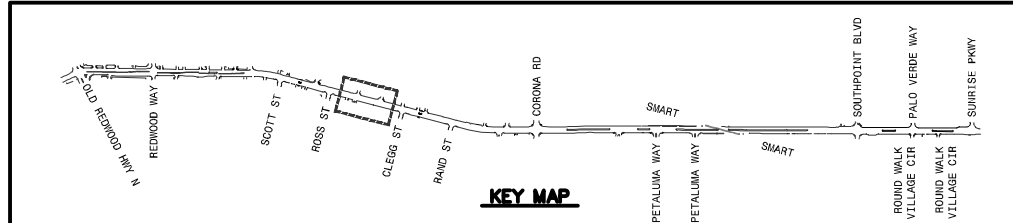
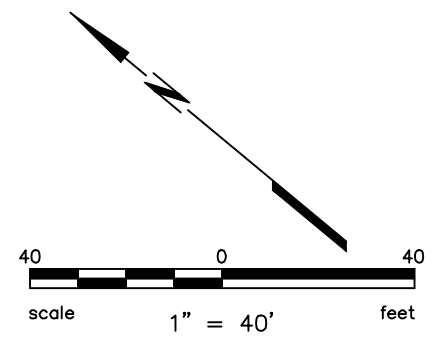
**NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 LAYOUT PLAN
 STA 23+00 TO STA 28+50**



KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L2	2026.87	S39° 40' 46"E



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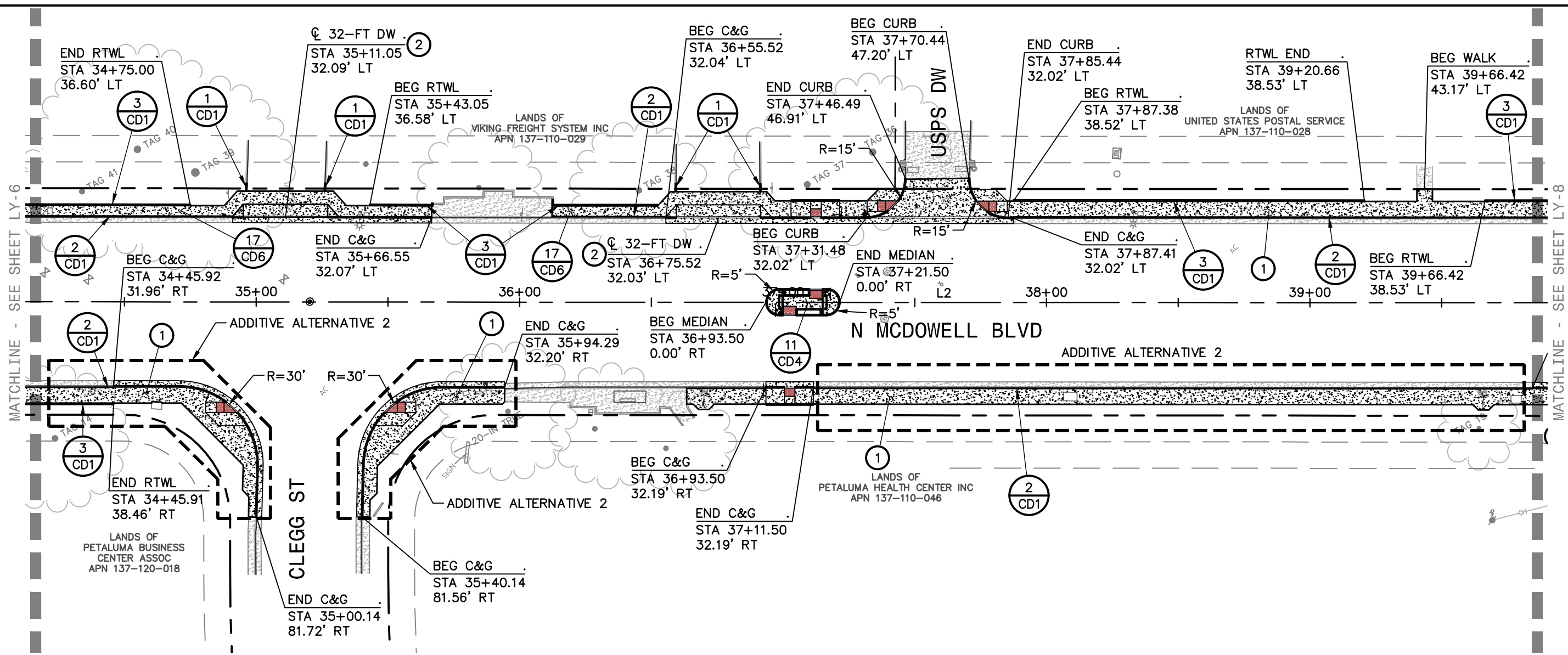
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**NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 LAYOUT PLAN
 STA 28+50 TO STA 34+00**

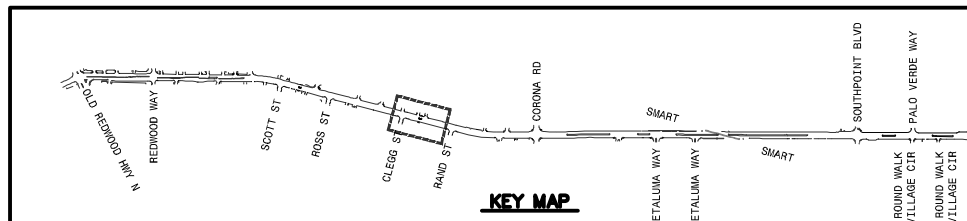
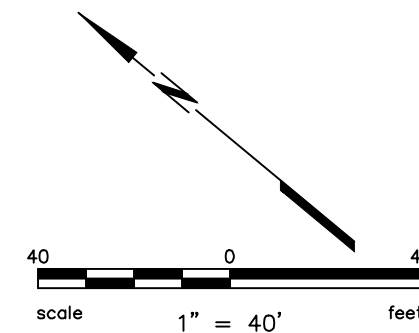
SHEET
LY-6
 13 OF 135



KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L2	2026.87	S39° 40' 46"E



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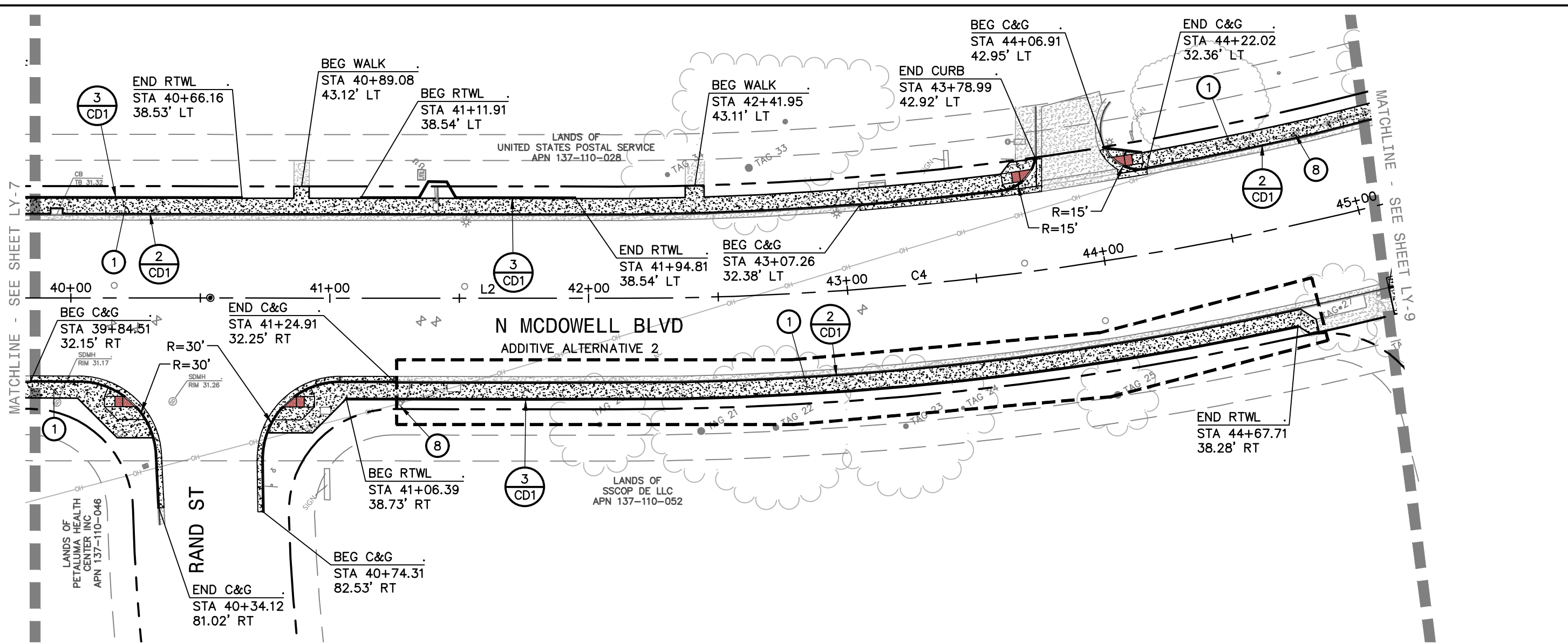


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**NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
LAYOUT PLAN
STA 34+00 TO STA 40+00**

SHEET
LY-7
14 OF 135



MATCHLINE - SEE SHEET LY-7

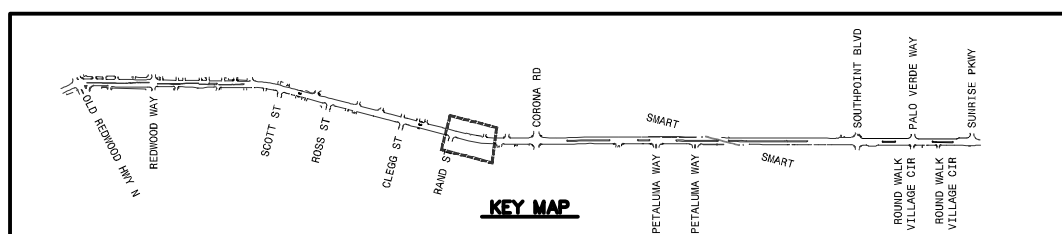
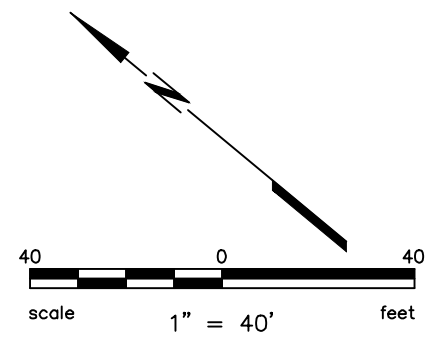
MATCHLINE - SEE SHEET LY-9

KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ⑧ COORDINATE WITH THE OWNER OF THIS UTILITY TO HAVE THEM HOLD THE UTILITY POLE IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.

ALIGNMENT CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C4	14°27'55"	1200.00	302.96

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L2	2026.87	S39° 40' 46"E



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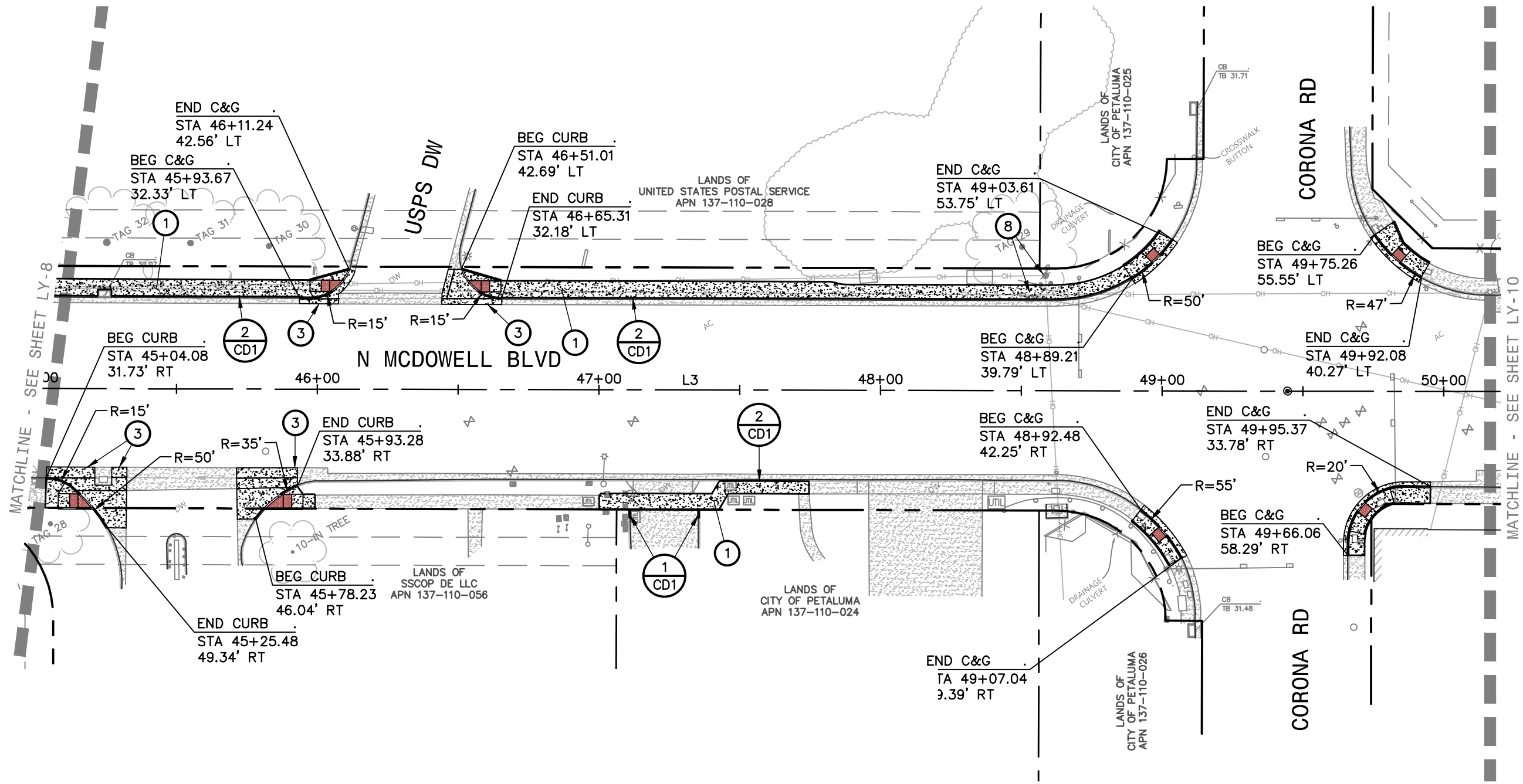
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NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 LAYOUT PLAN
 STA 40+00 TO STA 45+00

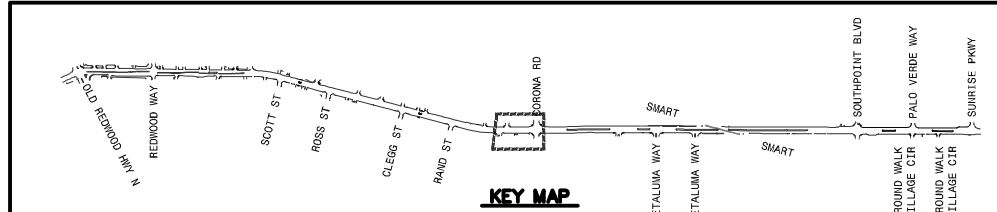
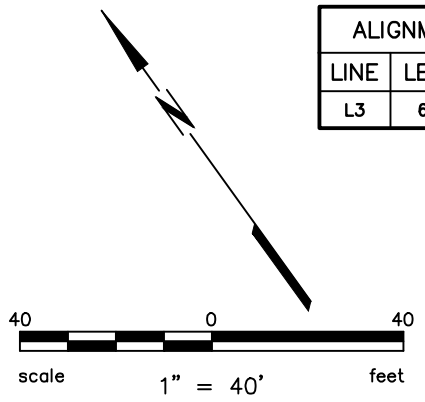
SHEET
LY-8
15 OF 135

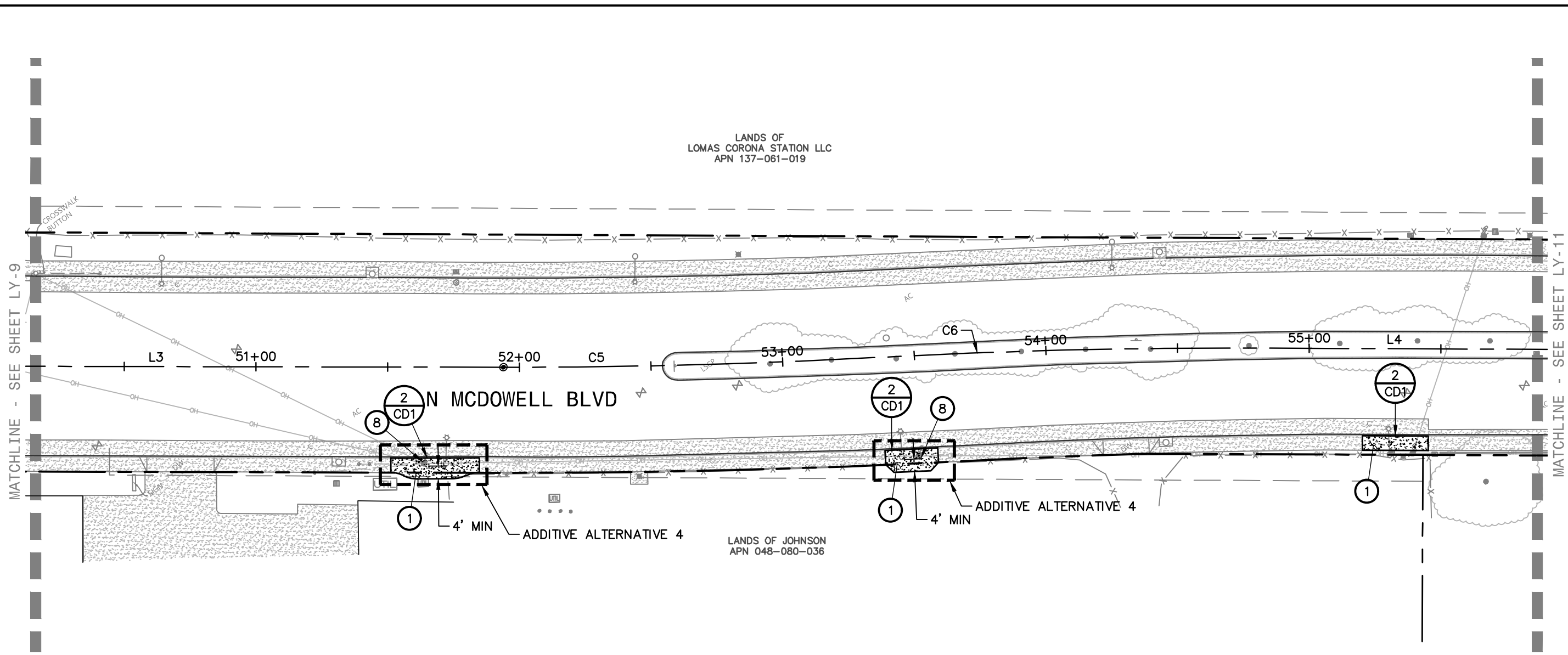


KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ③ VALLEY GUTTER.
- ⑧ COORDINATE WITH THE OWNER OF THIS UTILITY TO HAVE THEM HOLD THE UTILITY POLE IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L3	678.16	S54° 08' 41"E



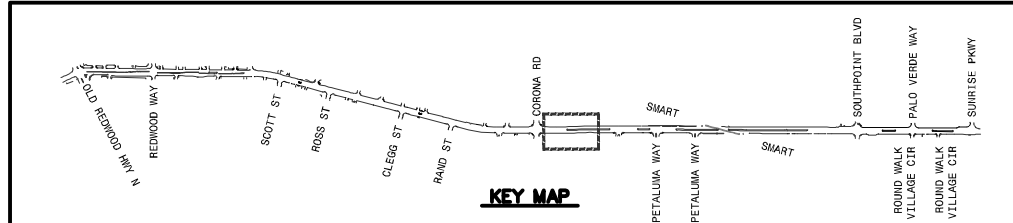
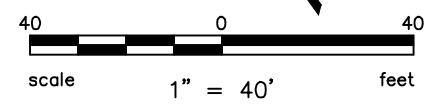


KEYNOTES:

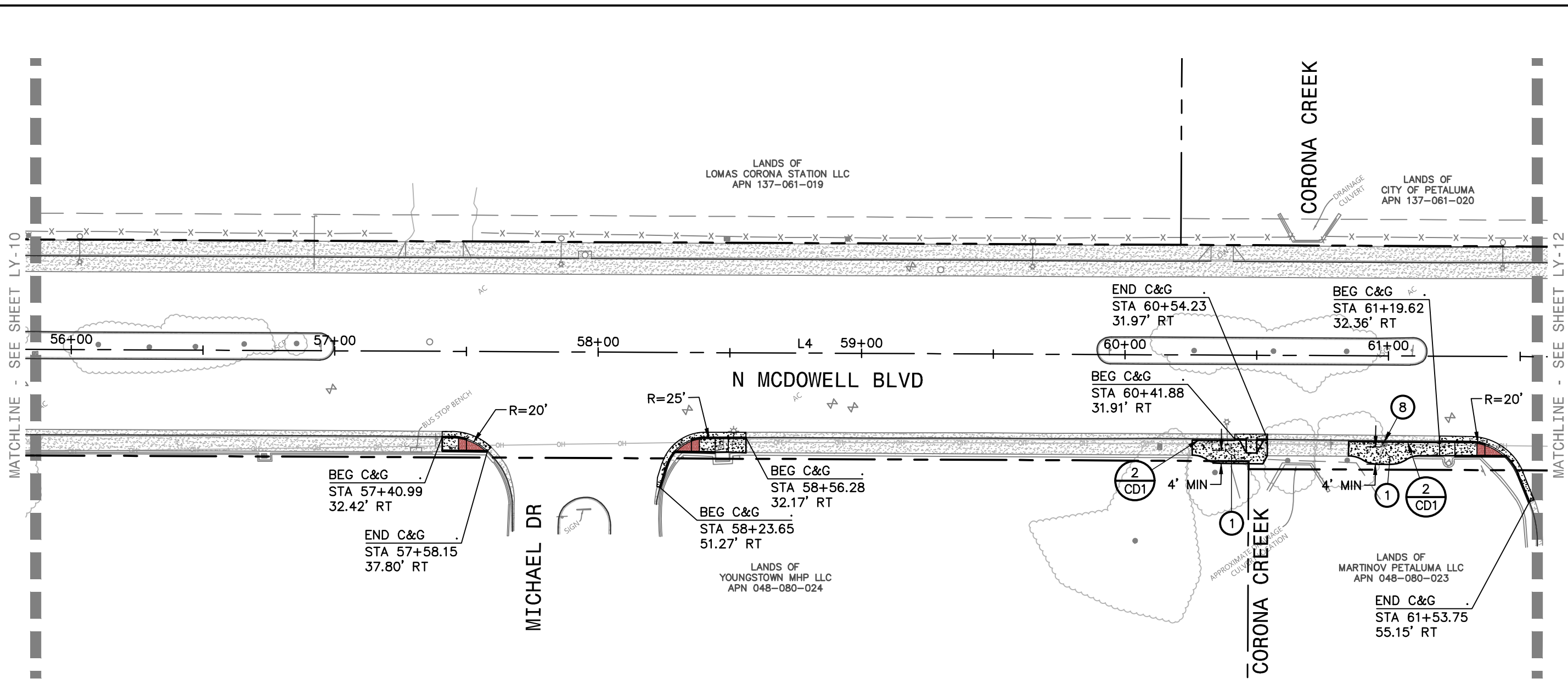
- ① 6-FT CONCRETE SIDEWALK.
- ⑧ COORDINATE WITH THE OWNER OF THIS UTILITY TO HAVE THEM HOLD THE UTILITY POLE IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L3	678.16	S54° 08' 41"E
L4	4068.29	S53° 59' 02"E

ALIGNMENT CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C5	3°13'04"	2500.00	140.41
C6	3°22'43"	2500.00	147.42



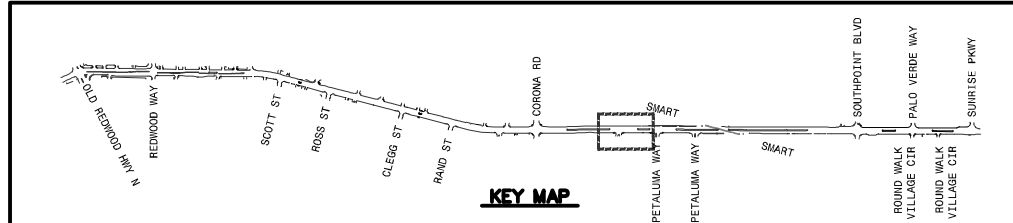
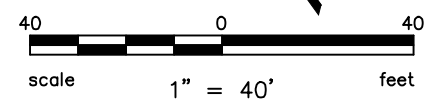
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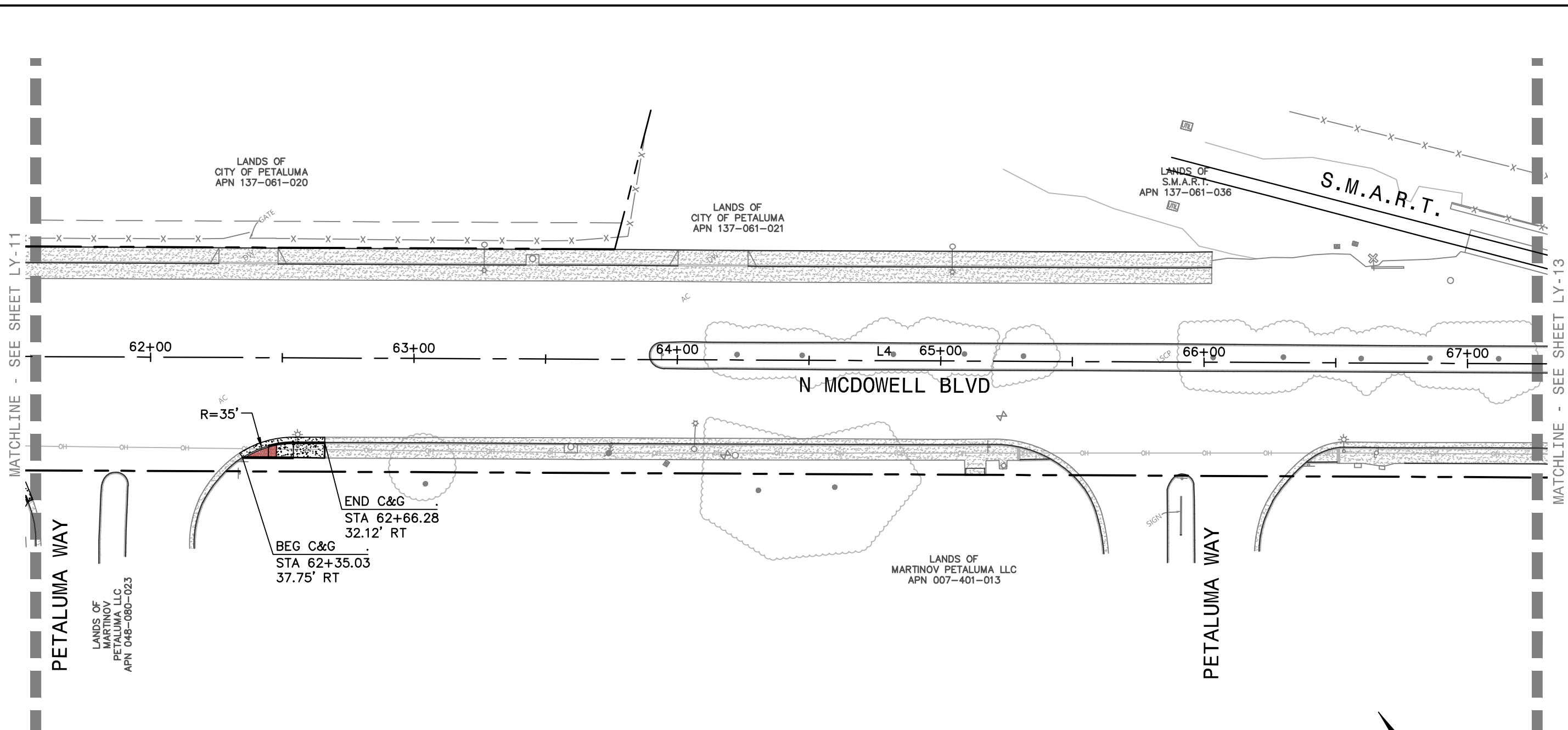
KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ⑧ COORDINATE WITH THE OWNER OF THIS UTILITY TO HAVE THEM HOLD THE UTILITY POLE IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E



Proj: LY-11, 2022.01.10.06pm
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MATCHLINE - SEE SHEET LY-11

MATCHLINE - SEE SHEET LY-13

LANDS OF
CITY OF PETALUMA
APN 137-061-020

LANDS OF
CITY OF PETALUMA
APN 137-061-021

LANDS OF
S.M.A.R.T.
APN 137-061-036

S.M.A.R.T.

N MCDOWELL BLVD

LANDS OF
MARTINOV PETALUMA LLC
APN 007-401-013

BEG C&G
STA 62+35.03
37.75' RT

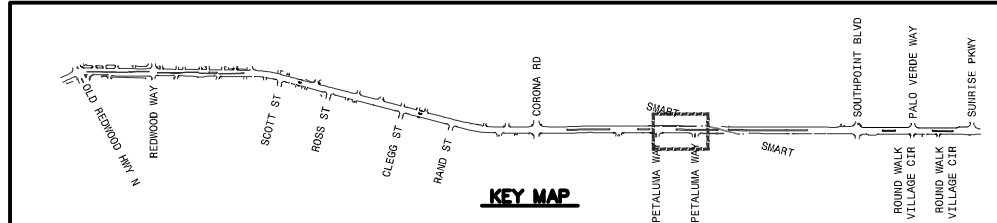
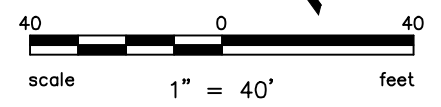
END C&G
STA 62+66.28
32.12' RT

LANDS OF
MARTINOV
PETALUMA LLC
APN 048-080-023

PETALUMA WAY

PETALUMA WAY

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E



PROJECT NO.
C16102147

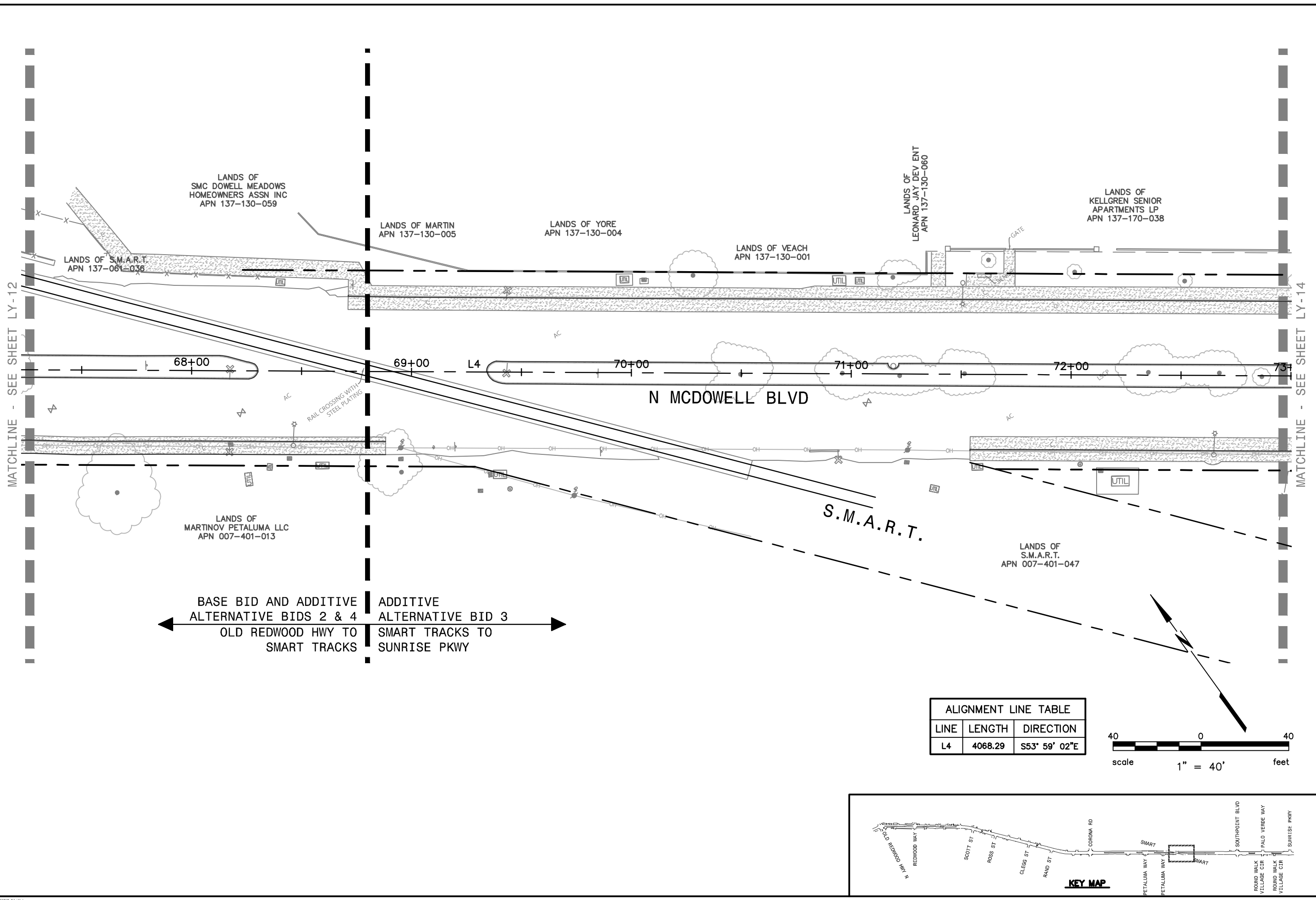


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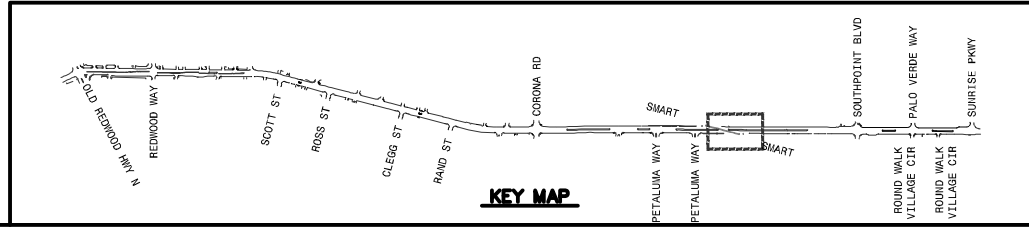
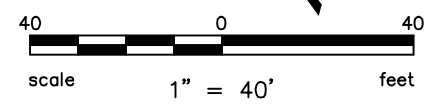
**NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
LAYOUT PLAN
STA 61+50 TO STA 67+00**

SHEET
LY-12
19 OF 135

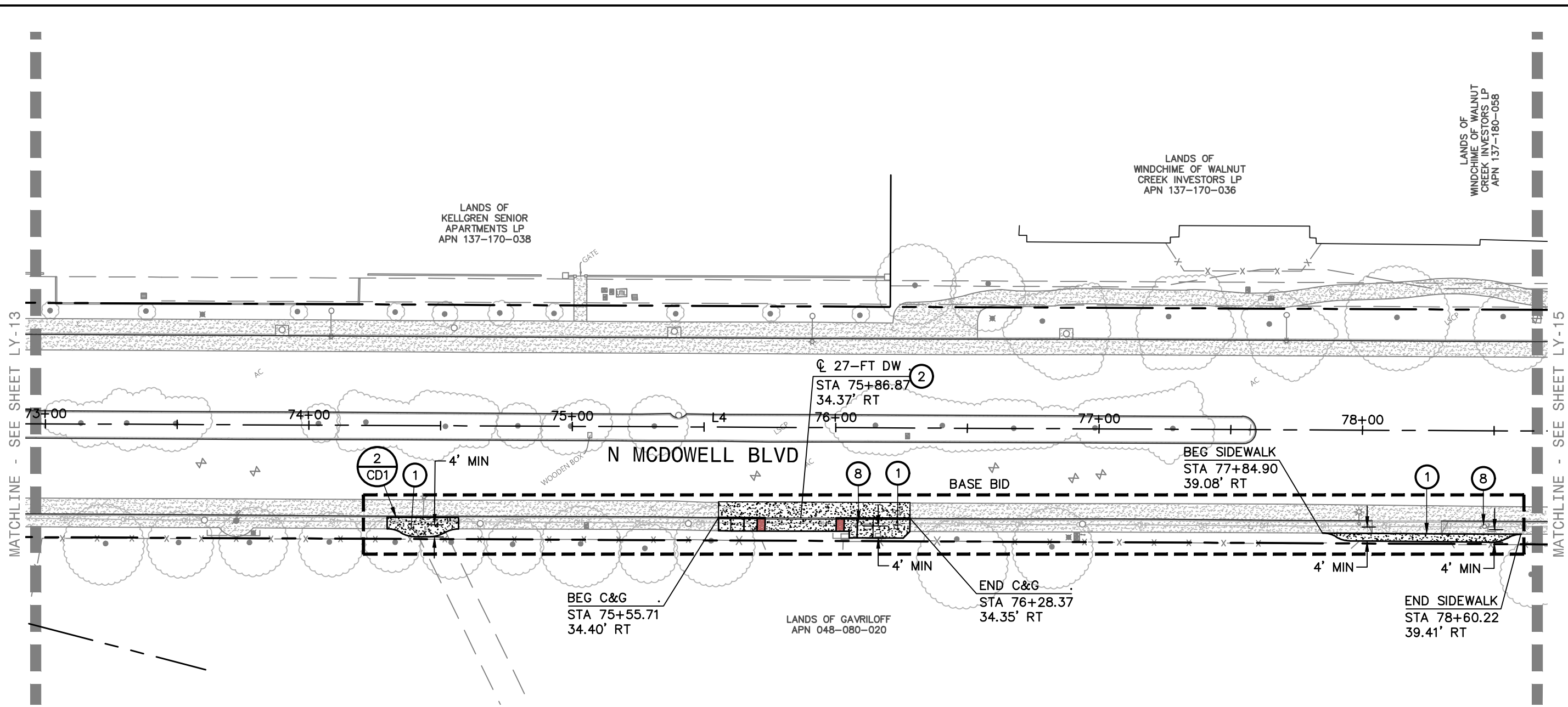


← BASE BID AND ADDITIVE ALTERNATIVE BIDS 2 & 4 OLD REDWOOD HWY TO SMART TRACKS →
 ← ADDITIVE ALTERNATIVE BID 3 SMART TRACKS TO SUNRISE PKWY →

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E



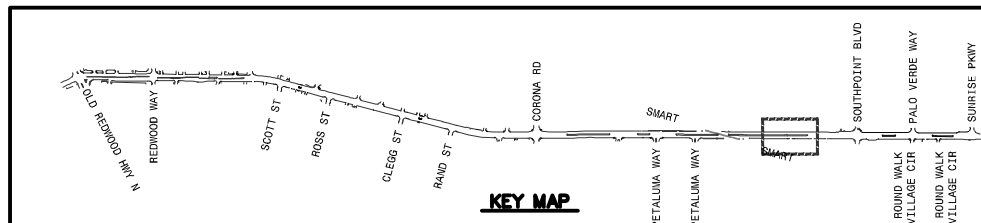
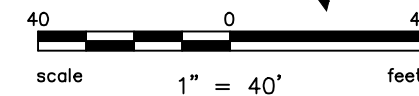
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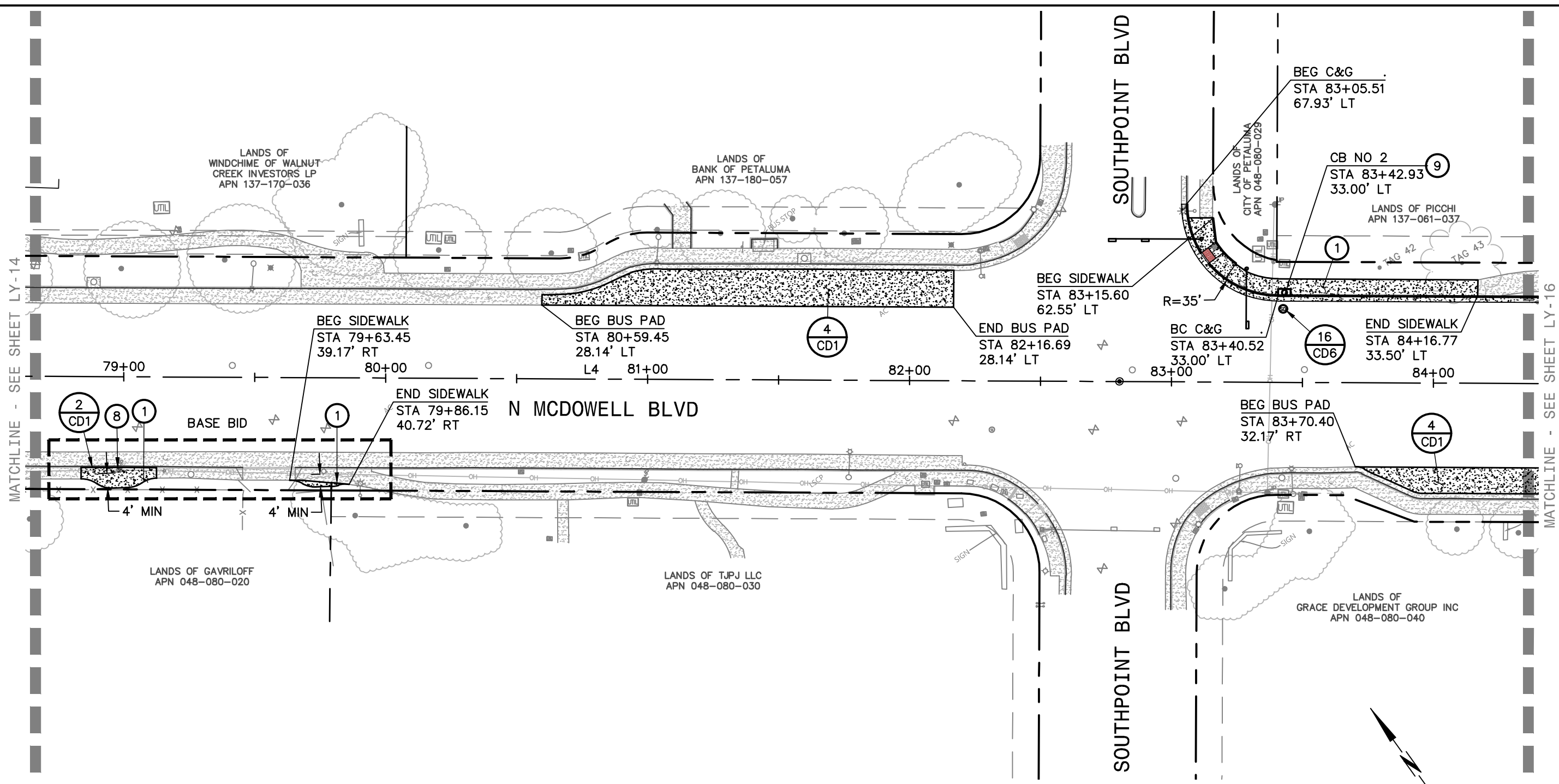
KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ② COMMERCIAL DRIVEWAY.
- ⑧ COORDINATE WITH THE OWNER OF THIS UTILITY TO HAVE THEM HOLD THE UTILITY POLE IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E



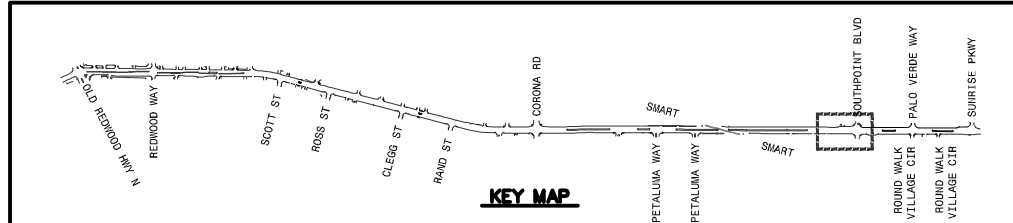
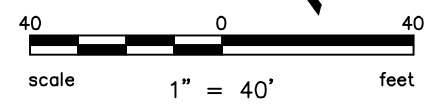
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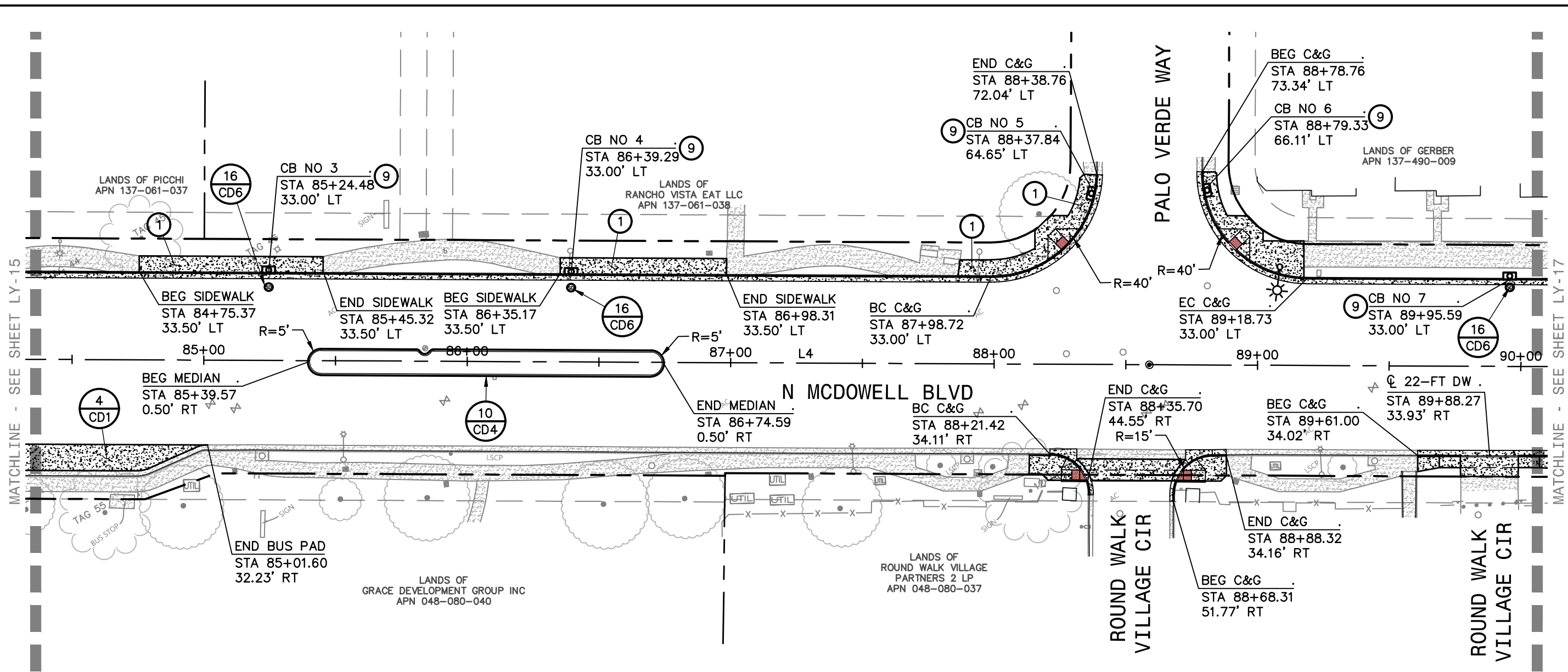


KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ⑧ COORDINATE WITH THE OWNER OF THIS UTILITY TO HAVE THEM HOLD THE UTILITY POLE IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.
- ⑨ TYPE "A" STORM DRAIN CATCH BASIN.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E





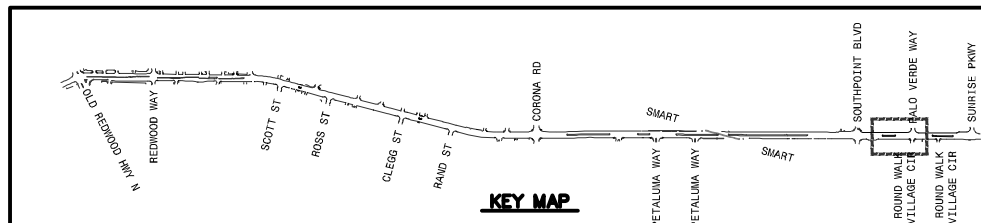
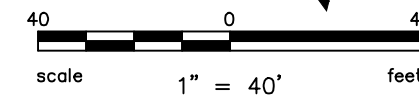
MATCHLINE - SEE SHEET LY-15

MATCHLINE - SEE SHEET LY-17

KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ⑨ TYPE "A" STORM DRAIN CATCH BASIN.

ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E



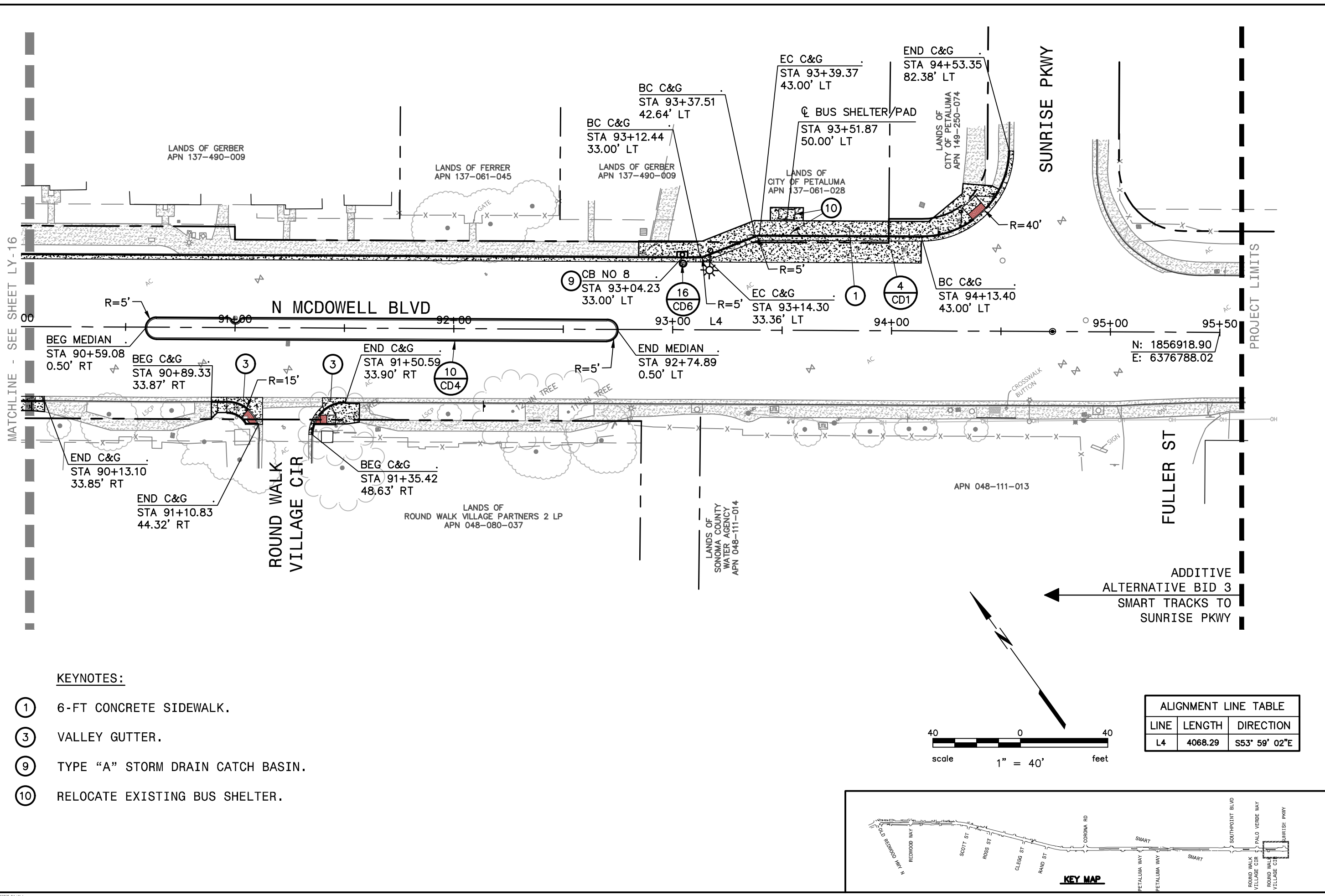
BKF ENGINEERS
 200 4th STREET
 SUITE 300
 SANTA ROSA, CA 95401
 (707) 583-8500
 www.bkf.com

PROJECT NO.
C16102147

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NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 LAYOUT PLAN
 STA 84+50 TO STA 90+00

SHEET
LY-16
 23 OF 135



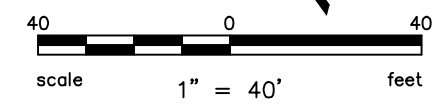
MATCHLINE - SEE SHEET LY-16

PROJECT LIMITS

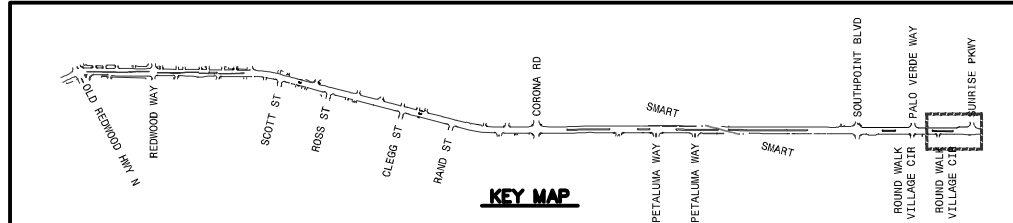
KEYNOTES:

- ① 6-FT CONCRETE SIDEWALK.
- ③ VALLEY GUTTER.
- ⑨ TYPE "A" STORM DRAIN CATCH BASIN.
- ⑩ RELOCATE EXISTING BUS SHELTER.

ADDITIVE
ALTERNATIVE BID 3
SMART TRACKS TO
SUNRISE PKWY



ALIGNMENT LINE TABLE		
LINE	LENGTH	DIRECTION
L4	4068.29	S53° 59' 02"E



PROJECT NO.
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NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
LAYOUT PLAN
STA 90+00 TO STA 95+00

BASE BID AND ADDITIVE
ALTERNATIVE BIDS 2 & 4
OLD REDWOOD HWY TO
SMART TRACKS

PROJECT LIMITS

1+00

2+00

3+00

4+00

5+00

6+00

N MCDOWELL BLVD

OLD REDWOOD HWY N

ADDITIVE ALTERNATIVE 2

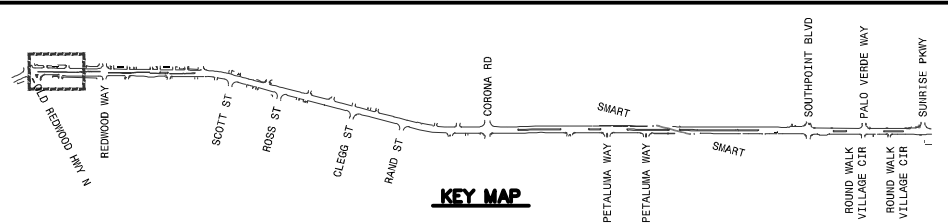
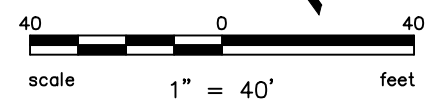
ADDITIVE ALTERNATIVE 4

MATCHLINE - SEE SHEET DM-2

KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



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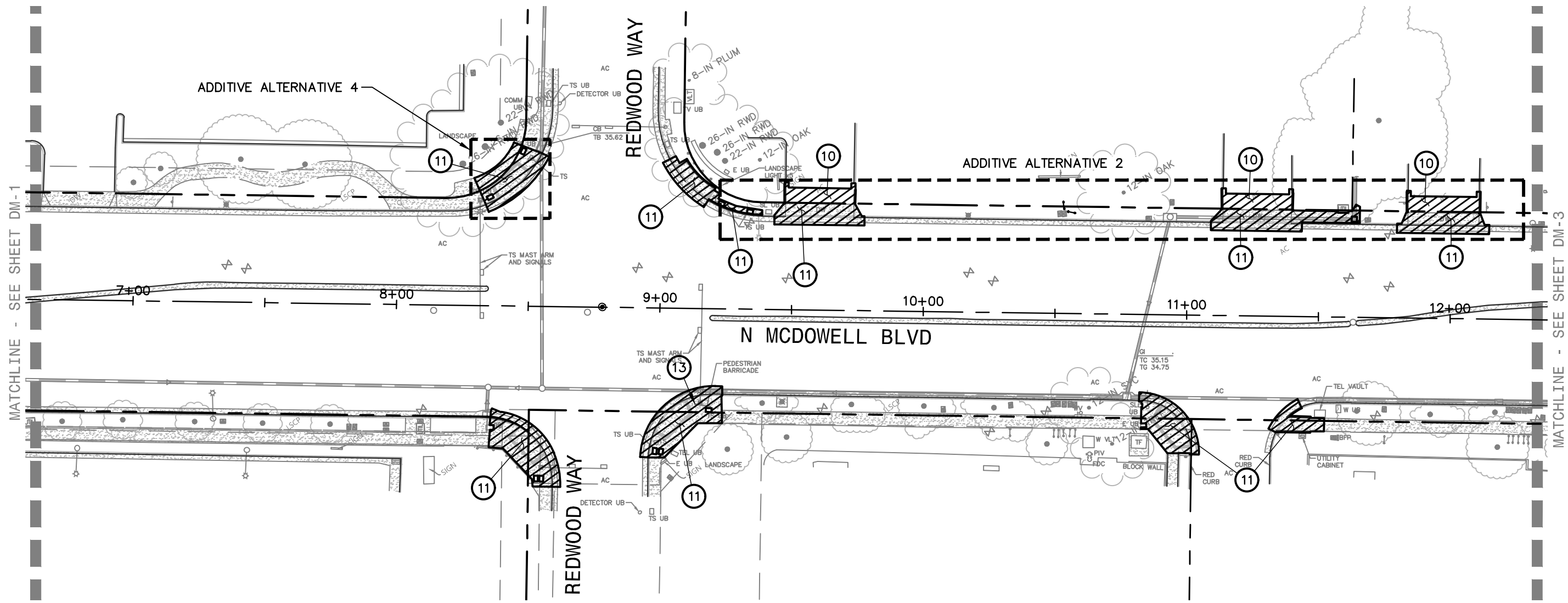
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NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
DEMOLITION PLAN
STA 01+00 TO STA 06+50

SHEET
DM-1
25 OF 135

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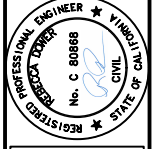
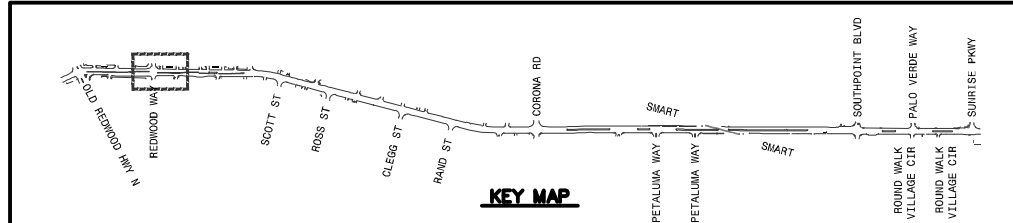
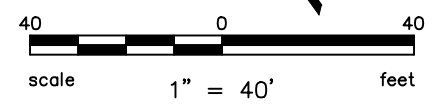
MATCHLINE - SEE SHEET DM-1

MATCHLINE - SEE SHEET DM-3

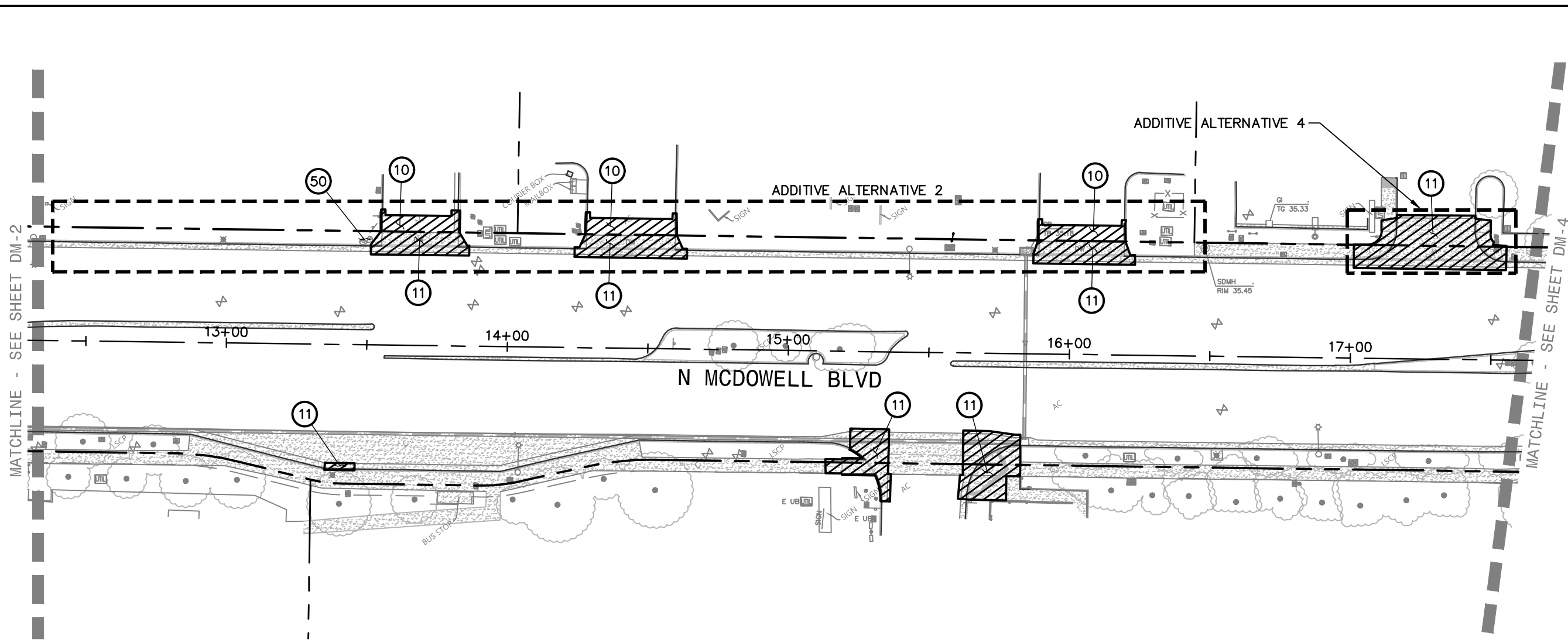
KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑬ REMOVE EXISTING FENCE TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



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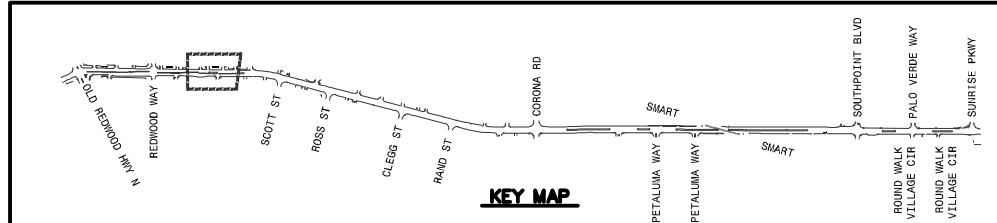
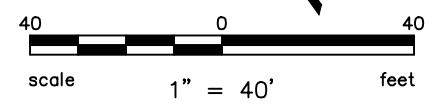
MATCHLINE - SEE SHEET DM-2

MATCHLINE - SEE SHEET DM-4

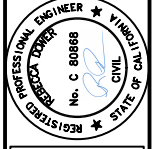
KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑤① REMOVE AND RELOCATE EXISTING LANDSCAPING BOULDERS AS DIRECTED BY THE CITY ENGINEER.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



PROJECT NO.
C16102147

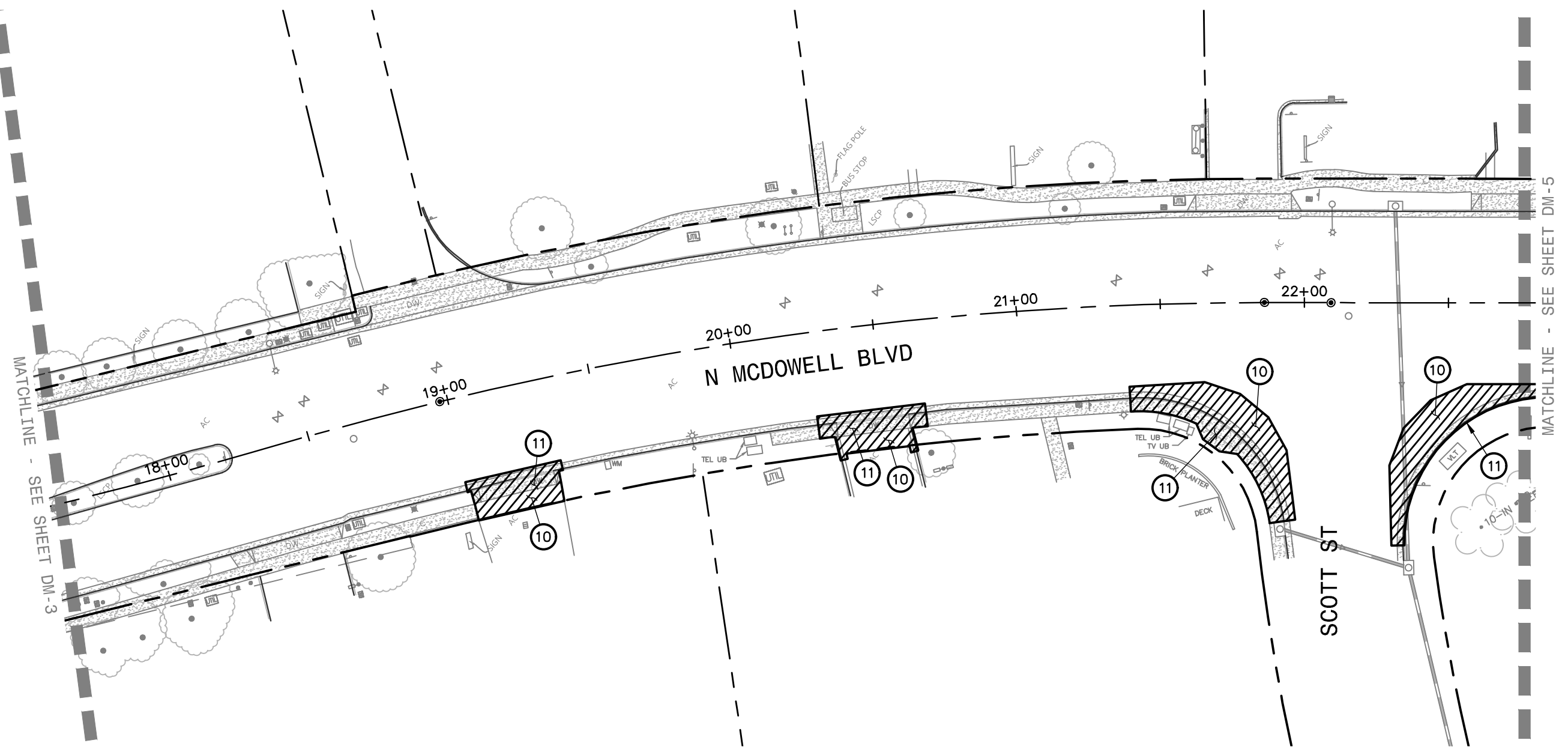


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**NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
DEMOLITION PLAN
STA 12+50 TO STA 17+50**

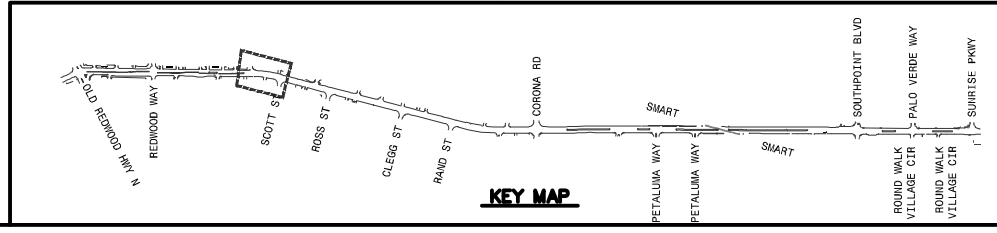
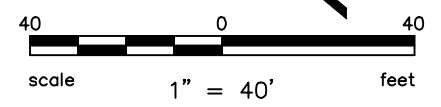
SHEET
DM-3
27 OF 135



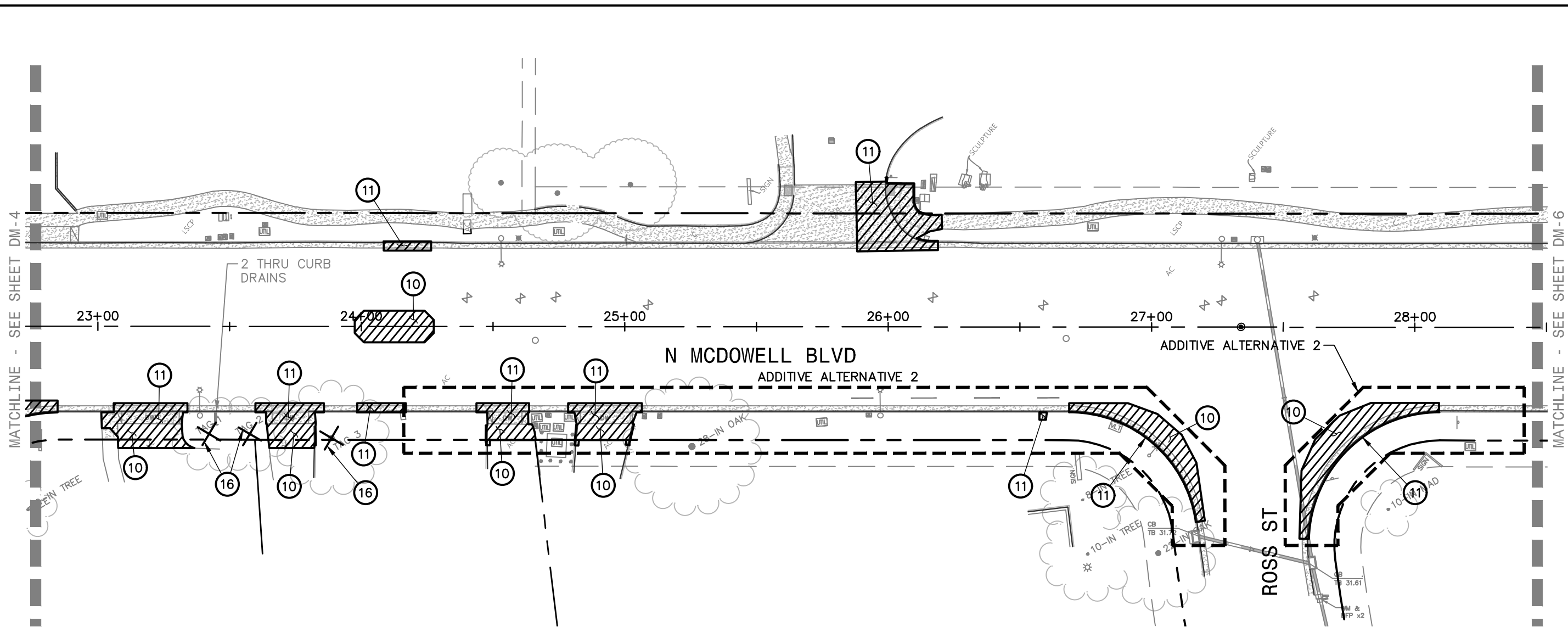
KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



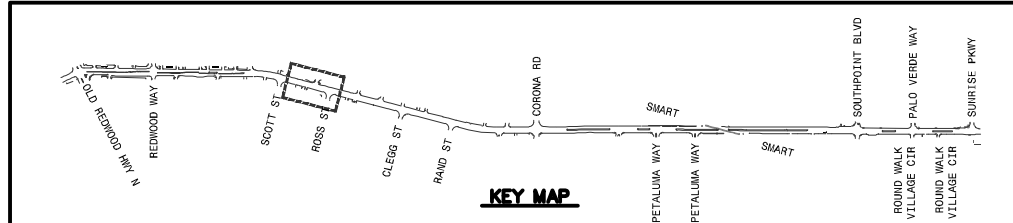
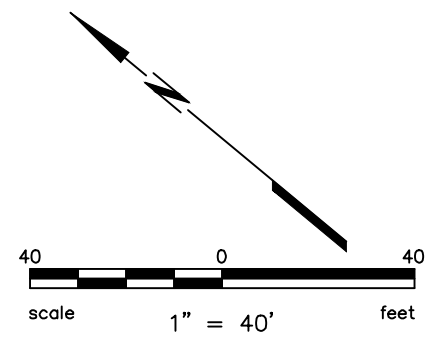
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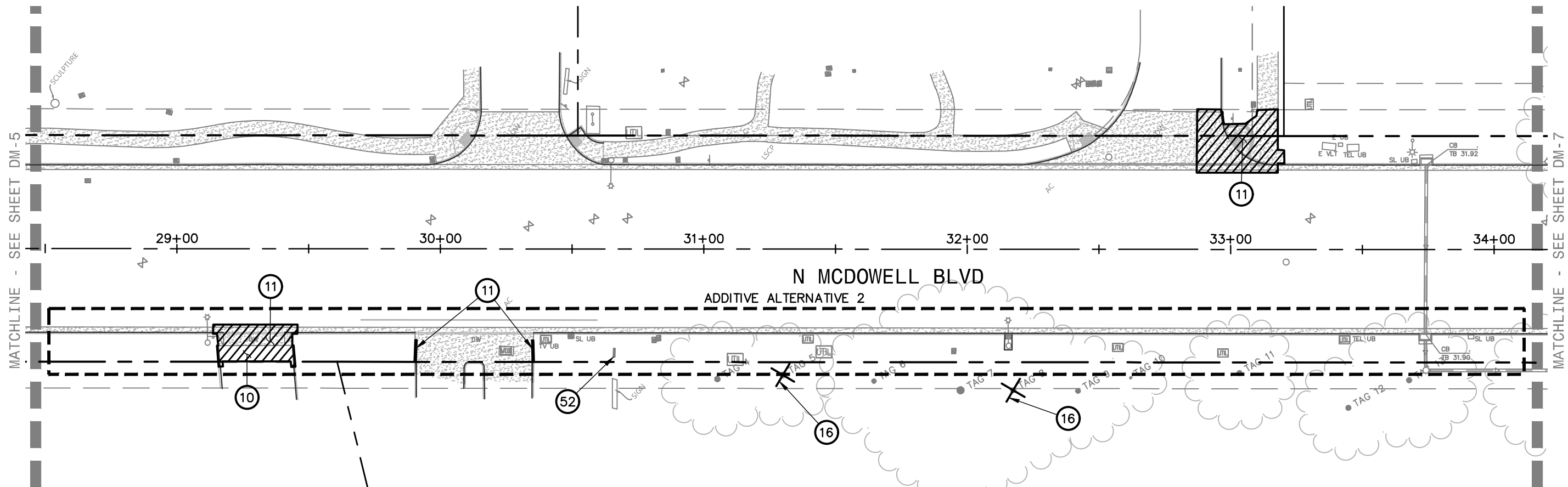
KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑯ REMOVE EXISTING TREE.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



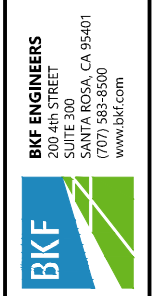
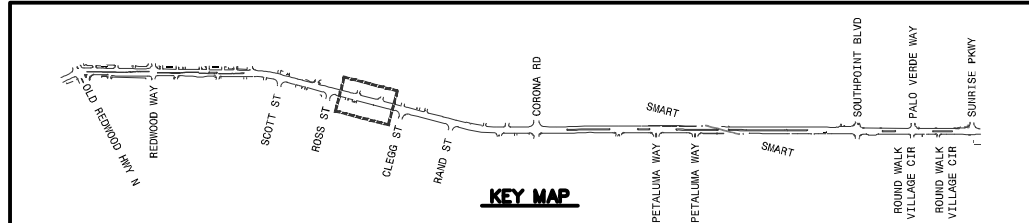
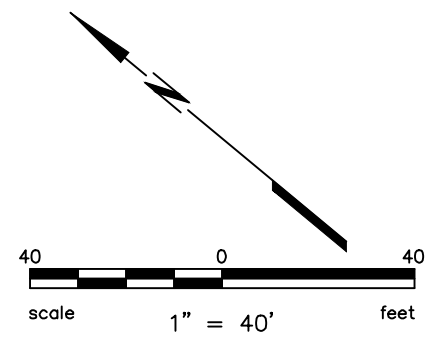
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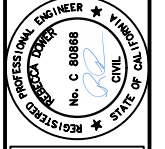
KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑯ REMOVE EXISTING TREE.
- ⑫ RELOCATE EXISTING SIGN 4-FEET BEHIND BACK OF WALK.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



PROJECT NO.
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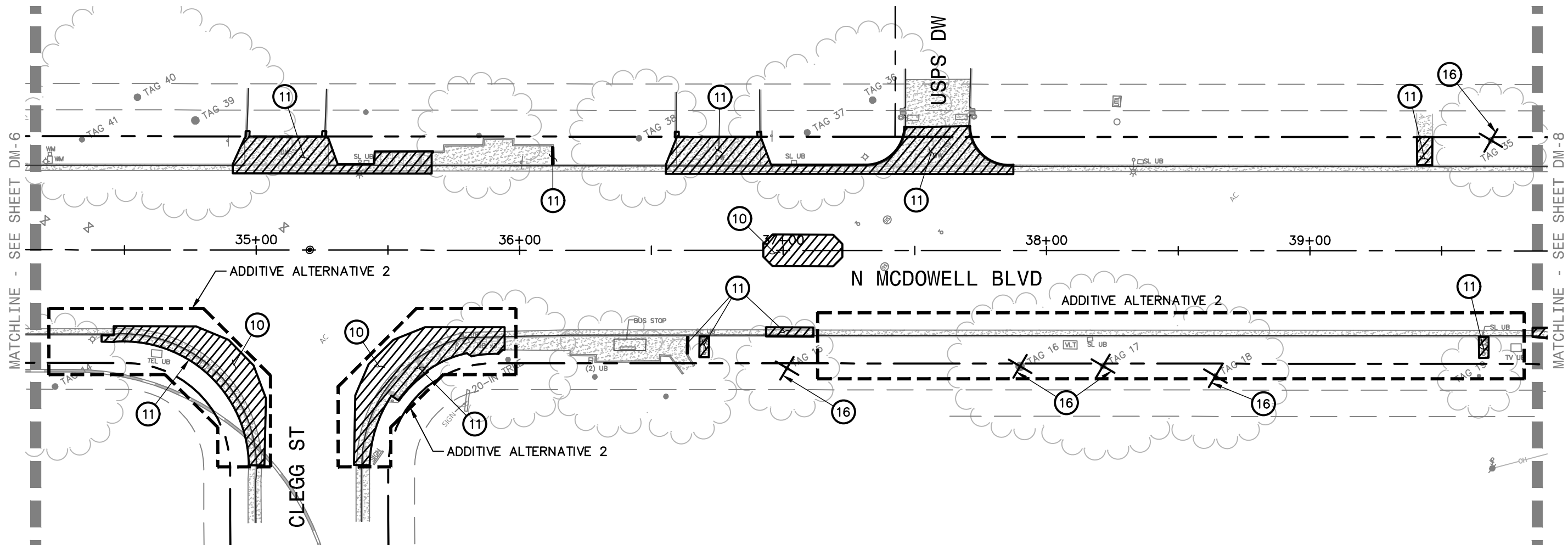


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**NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.
DEMOLITION PLAN
STA 28+50 TO STA 34+00**

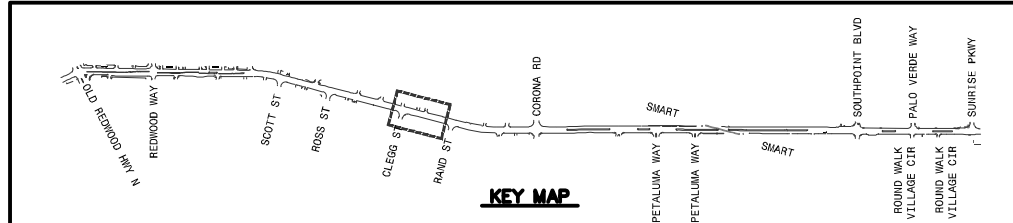
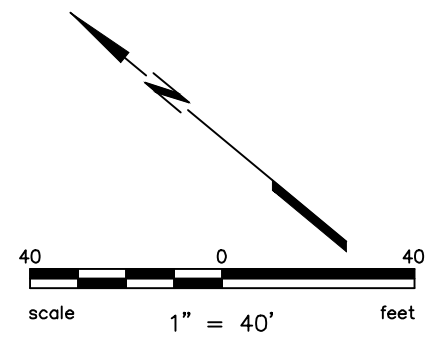
SHEET
DM-6
30 OF 135

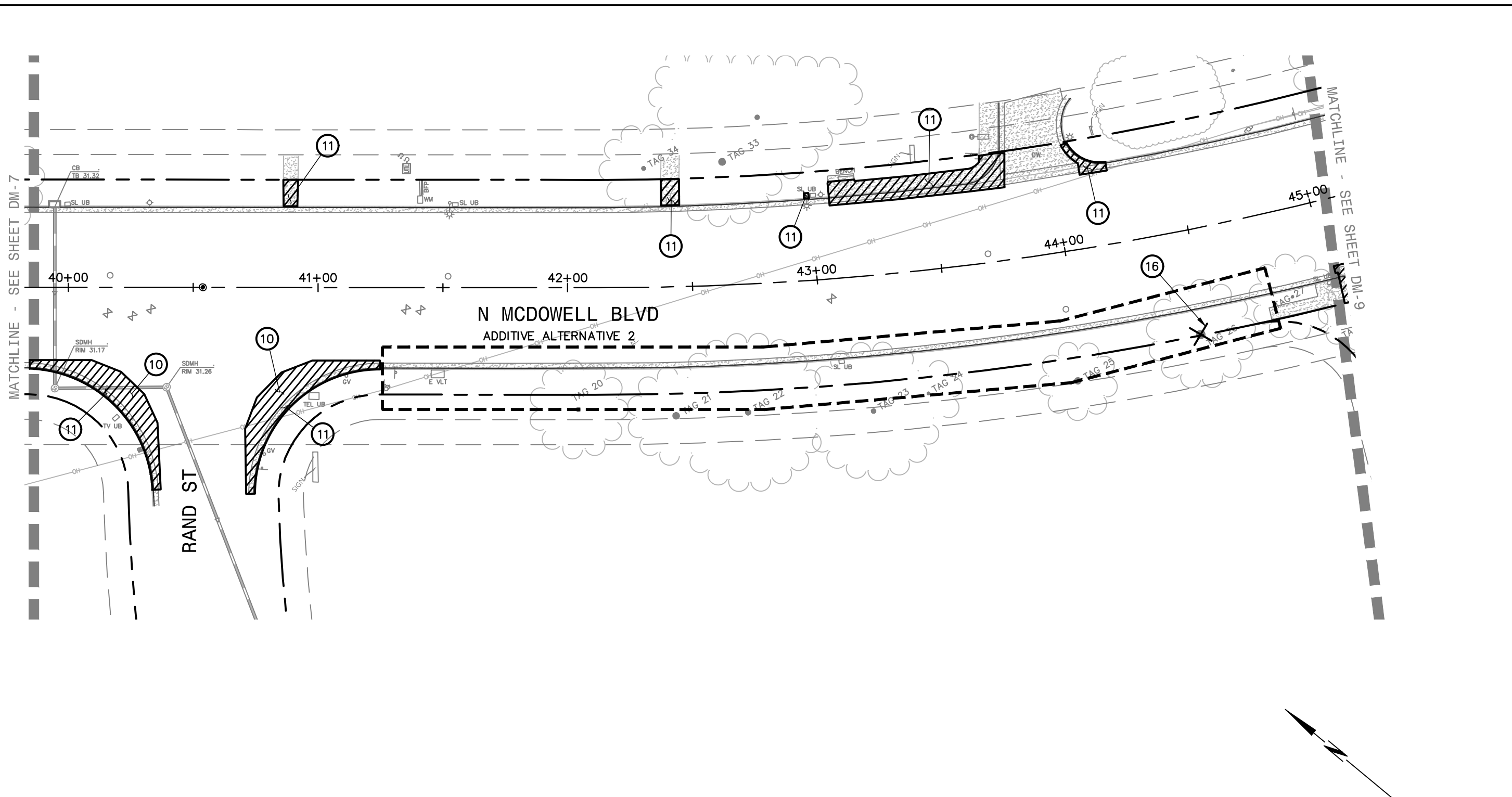


KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑫ REMOVE EXISTING TREE.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.

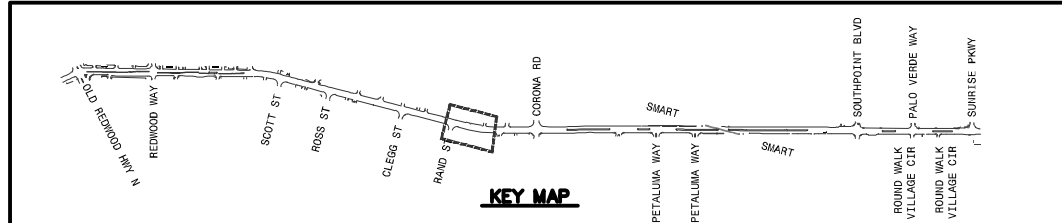
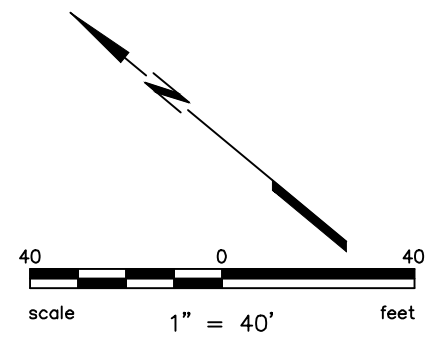




KEYNOTES:

- ⑩ SAWCUT AND REMOVE PORTIONS OF EXISTING ASPHALT TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.
- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑯ REMOVE EXISTING TREE.

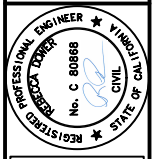
REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.



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 200 4th STREET
 SUITE 300
 SANTA ROSA, CA 95401
 (707) 583-8500
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PROJECT NO.
 C16102147



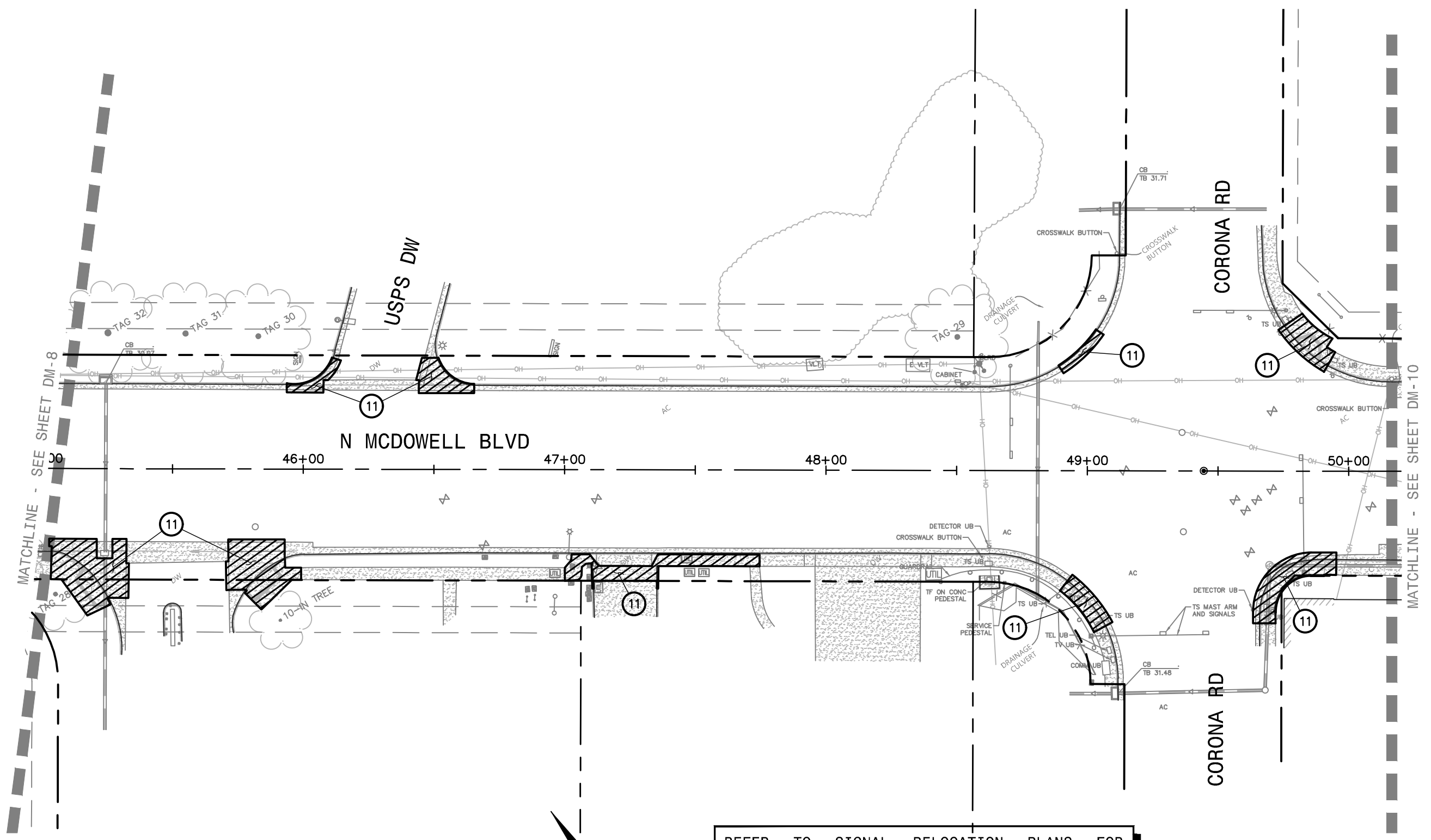
CITY OF PETALUMA
 PUBLIC WORKS & UTILITIES
 202 N. McDowell Blvd., PETALUMA, CALIFORNIA, 94954
 PH. 707-778-4546 FAX. 707-778-4508



**NORTH MCDOWELL BLVD. - COMPLETE STREETS
 OLD REDWOOD HWY. TO SUNRISE PKWY.
 DEMOLITION PLAN
 STA 40+00 TO STA 44+00**

SHEET
DM-8
 32 OF 135

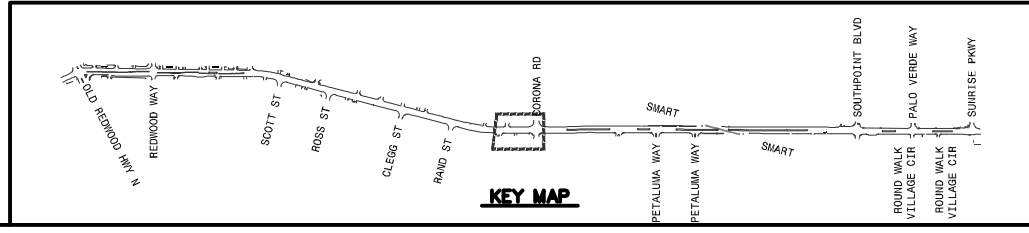
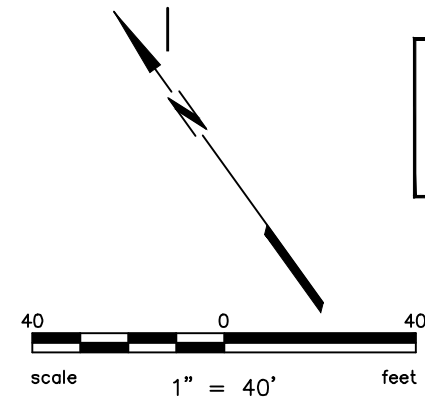
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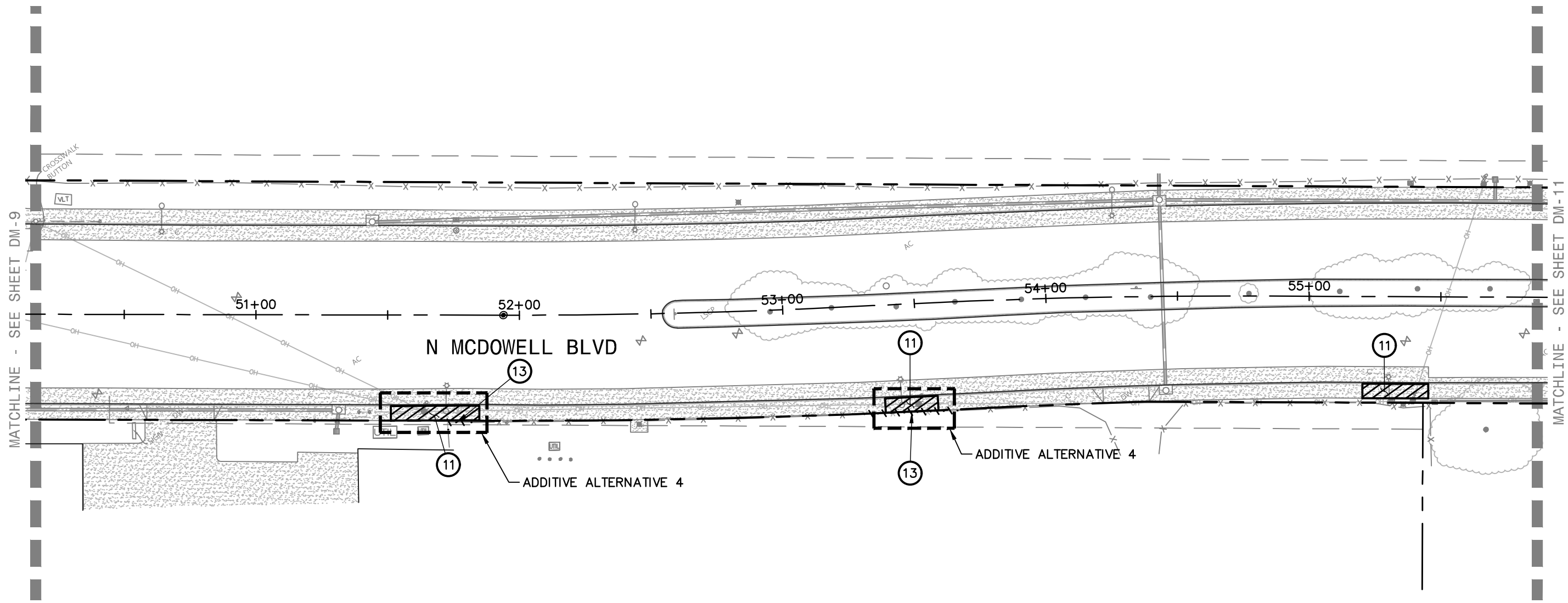


REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.

KEYNOTES:

- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.





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- ⑪ SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK AND CURB AND GUTTER.
- ⑬ REMOVE EXISTING FENCE TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS.

REFER TO SIGNAL RELOCATION PLANS FOR INFORMATION REGARDING REMOVAL, REPLACEMENT AND RELOCATION OF EXISTING TRAFFIC SIGNALS AND SIGNAL RELATED EQUIPMENT.

