



CITY OF MANTECA
ENGINEERING DEPARTMENT

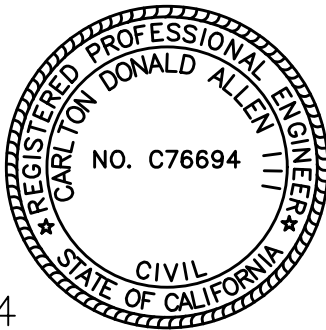
YOSEMITE AVENUE (WALNUT AVENUE
TO MAIN STREET) BIKE AND
PEDESTRIAN IMPROVEMENT PROJECT
CIP NO. 20006 HSIPL-5242(036)

MAY 2025

SUBMITTED BY:

Carlton D. Allen

CARLTON D. ALLEN, III R.C.E.76694
PROJECT ENGINEER
BENNETT ENGINEERING SERVICES



APPROVED BY:

KEVIN JORGENSEN II
DIRECTOR OF ENGINEERING/CITY ENGINEER
DEPARTMENT OF ENGINEERING

APPROVED FOR CONSTRUCTION BASED ON THE
INFORMATION PROVIDED. THE CITY OF MANTECA AND
THE UNDERSIGNED ASSUME NO LIABILITY FOR ERRORS
OR OMISSIONS THAT MAY EXIST IN THE PLANS.

RECOMMENDED FOR APPROVAL BY:

SOMPORN BOONSALAT
DEPUTY DIRECTOR OF ENGINEERING
DEPARTMENT OF ENGINEERING

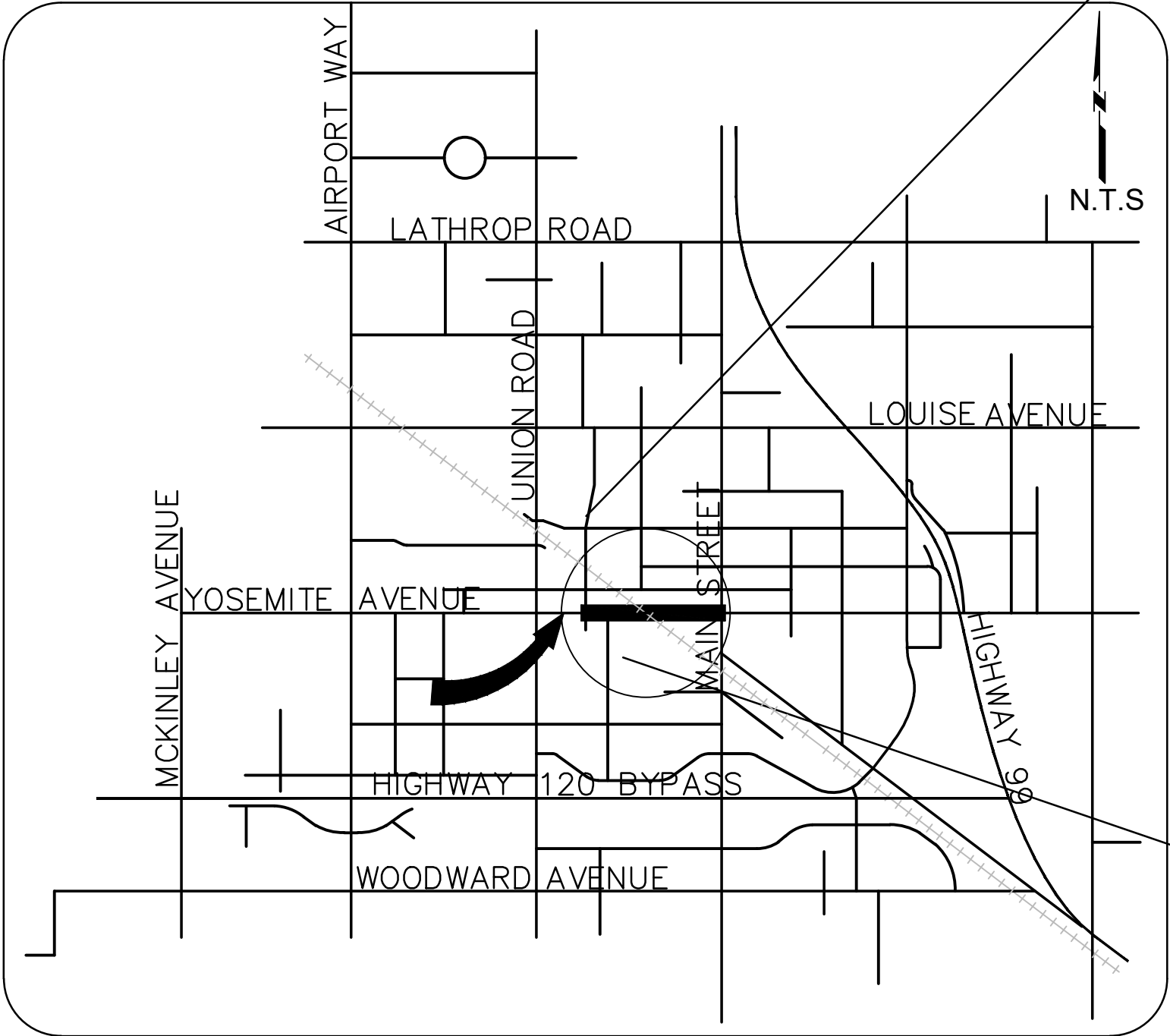
DRAWING INDEX		
SHT NO.	DRAWING	TITLE
1	T-1	TITLE SHEET
2	G-1	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
3	SC-1	SURVEY CONTROL
4 - 9	CD-1 to CD-6	CONSTRUCTION DETAILS
10	PD-1	SIGNAGE AND STRIPING GENERAL NOTES, LEGEND, AND DETAILS
11 - 15	PD-2 to PD-6	PAVEMENT DELINEATION
16	E-1	RECTANGULAR RAPID FLASHING BEACON SYSTEM YOSEMITE AVE AND LOCUST AVE
17	E-2	RECTANGULAR RAPID FLASHING BEACON SYSTEM YOSEMITE AVE AND N VEACH AVE
18	E-3	RECTANGULAR RAPID FLASHING BEACON SYSTEM YOSEMITE AVE AND GOODALE CT
19	E-4	RECTANGULAR RAPID FLASHING BEACON SYSTEM YOSEMITE AVE AND JESSIE AVE
20 - 27	E-5 to E-12	ELECTRICAL DETAILS

UTILITY REPRESENTATIVES*		
UTILITY	REPRESENTATIVE	PHONE
WATER - CITY	GEORGE MONTROSS	209-456-8466
STORMDRAIN - CITY	HEATHER GROVE	209-456-8470
SEWER - CITY	HEATHER GROVE	209-456-8470
TRAFFIC ENG - CITY	BESHOY DEMYAN	209-456-8460
ROAD MAINT - CITY	AARON JEFFERY	209-456-8449
PARKS - CITY	CODY ROSS	209-456-8400
SOLID WASTE - CITY	AVNEET MAHIL	209-456-8440
TRANSIT - CITY	JUAN PORTILLO	209-456-8888
SURVEY	SAN JOAQUIN CO.	209-468-8068
CABLE - COMCAST	CRISTIAN GONZALEZ	925-321-1115
CABLE - CHARTER	ABEL DAVILA	209-633-3311
TELEPHONE - AT&T	ROBERT KNECHT	209-587-7037
TELEPHONE - QWEST	GEORGE MCELVAIN	303-992-9931
TELEPHONE - VERIZON	BERNADETTE MARTINEZ	925-951-2014
TELEPHONE - FRONTIER	JAMES CARTER	209-239-0655
FIBER - AT&T	RONALD PIMENTEL	530-841-0621
GAS - PG&E	WAYNE GILBERT	925-551-1849
ELECTRICITY - PG&E	BRAD JOAQUIN	209-272-8618
PETROLEUM - KINDER MORGAN	KARLY PAYNE	714-560-4604
UNDERGROUND SERVICE ALERT		811

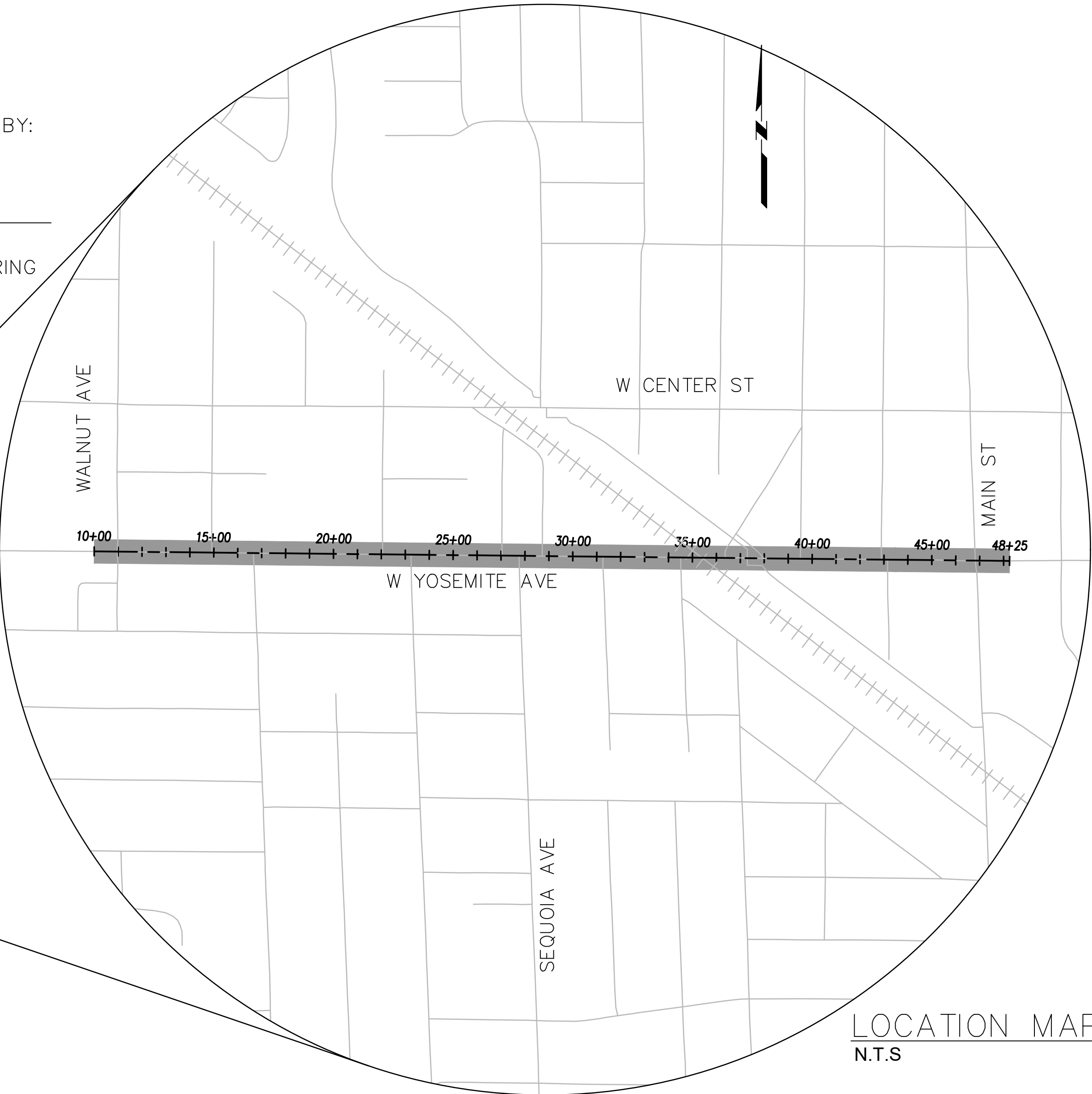
* LIST OF UTILITY REPRESENTATIVES MAY NOT BE COMPLETE OR ACCURATE. IT IS THE CONSULTANT/CONTRACTORS RESPONSIBILITY TO ENSURE CONTACT AND COORDINATION WITH ALL UTILITIES RELEVANT TO THE PROJECT.



CALL U.S.A. AT LEAST
2 WORKING DAYS
BEFORE YOU DIG AT
811 OR
800-642-2444
(UNDERGROUND
UTILITY LOCATION ARE
APPROX)

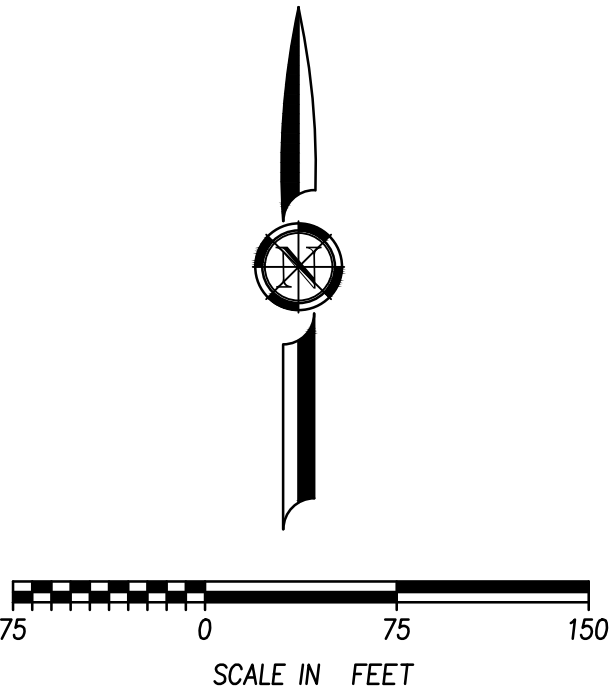


VICINITY MAP

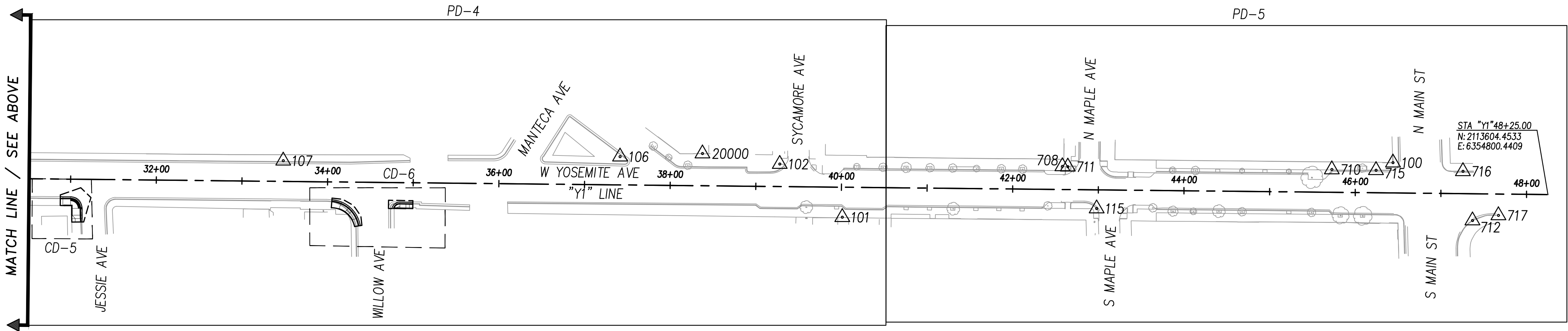
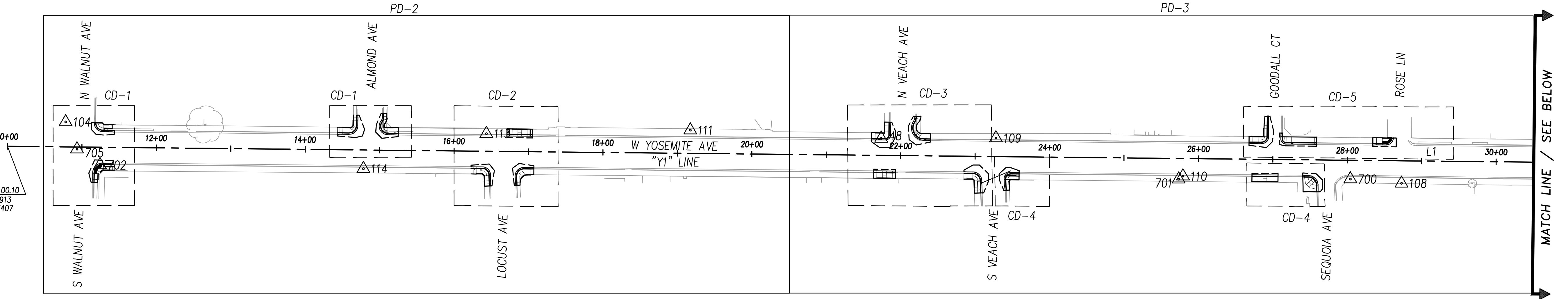


LOCATION MAP
N.T.S

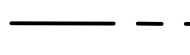
P:\Proj\247061-Manteca-Yosemite Ave\03-PLANS\MASTERS\Sheets\247061_02-SC-1 - SURVEY CONTROL.dwg Jun 17, 2025 -- 2:30pm



STA "Y1"10+00.10
N:2113643.8913
E:6350975.7407



Line Table		
Line #	Length	Bearing
L1	3825.00'	S89°24'14"E

CONTROL POINT 
CONSTRUCTION CENTER LINE 

Point Table				
△ #	Elevation	Northing	Easting	Description
20000	34.30	2113652.32	6353813.21	ECC
717	35.99	2113580.10	6354742.64	FD CUT X ON CURB
716	35.89	2113631.58	6354701.16	FD CUT X ON CURB
715	35.68	2113632.78	6354599.68	FD CUT X ON CURB
712	35.72	2113574.02	6354712.28	FD CUT X
711	35.04	2113636.93	6354239.82	FD CUT X
710	35.63	2113633.62	6354548.08	FD NAIL /W WASHER LS 6563
708	34.86	2113637.25	6354233.51	FD 1.25" CIP INELLIGIBLE
705	29.31	2113640.28	6351068.99	1" IP /W PLASTIC CAP LS6953
702	29.85	2113619.12	6351099.91	1" BRASS TAG LABELED CONTROL LS4450
701	30.98	2113600.00	6352549.04	FD 1" CIP LS 4450
700	31.39	2113600.18	6352779.72	1 1/4 CIP W PUNCH IN WELL
115	35.69	2113588.01	6354273.51	CP CUT X IN CURB
114	30.76	2113614.13	6351453.75	CP MAG IN CONC
113	30.87	2113661.11	6351618.93	CP CUT ON WALK
111	30.85	2113665.88	6351892.99	CP CUT X ON WALK
110	30.96	2113604.04	6352554.86	CP CUT X ON WALK

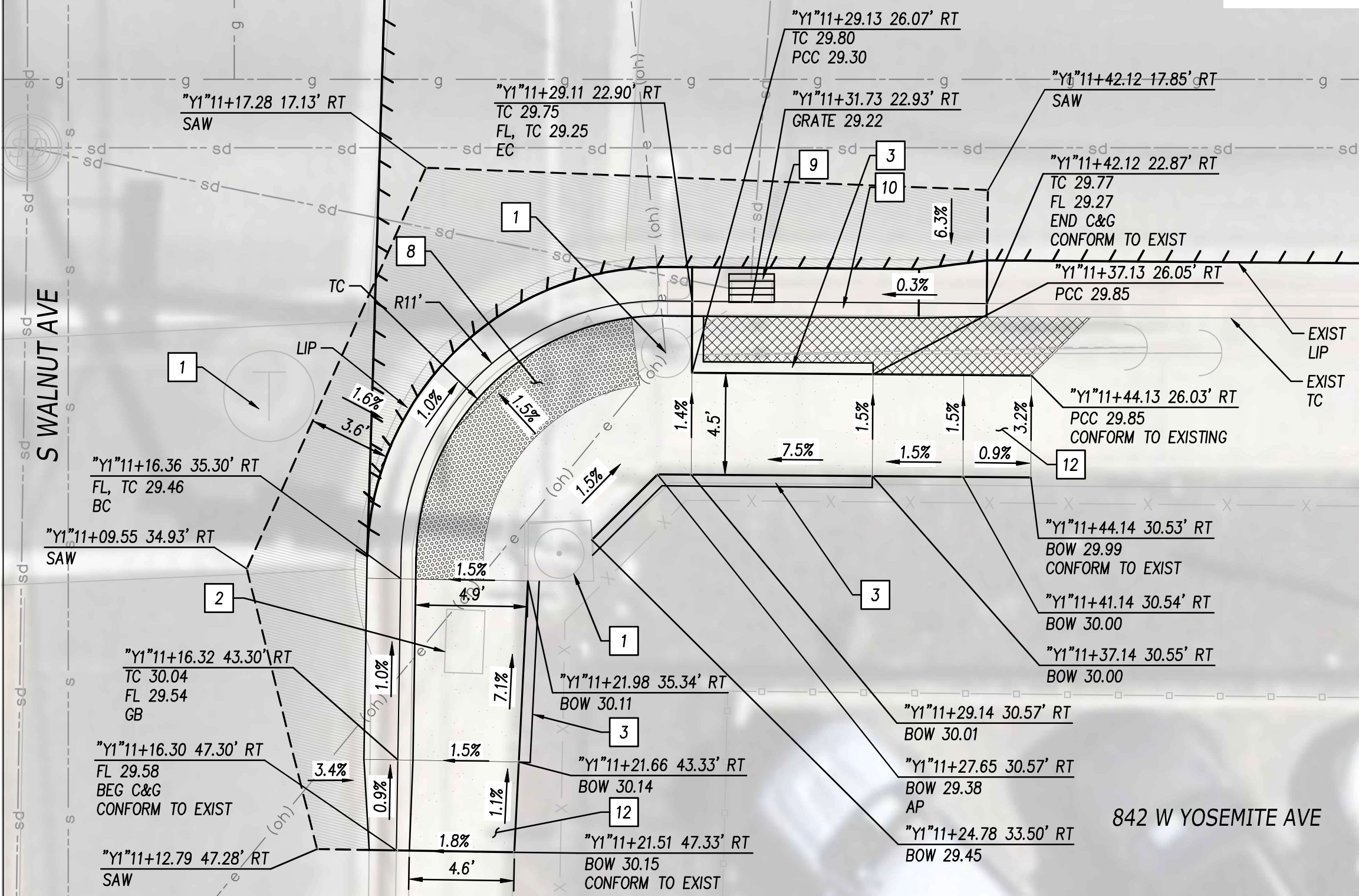
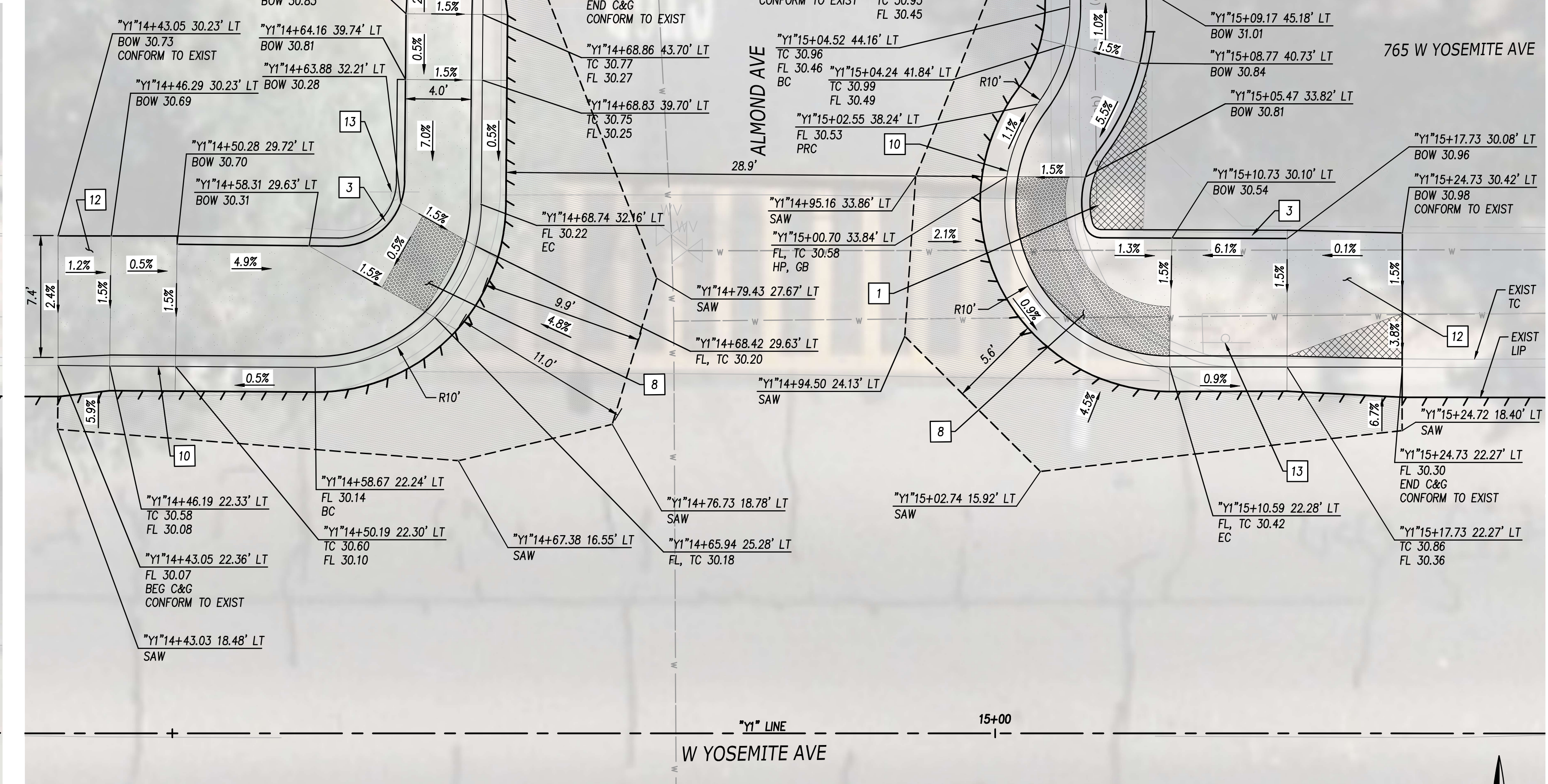
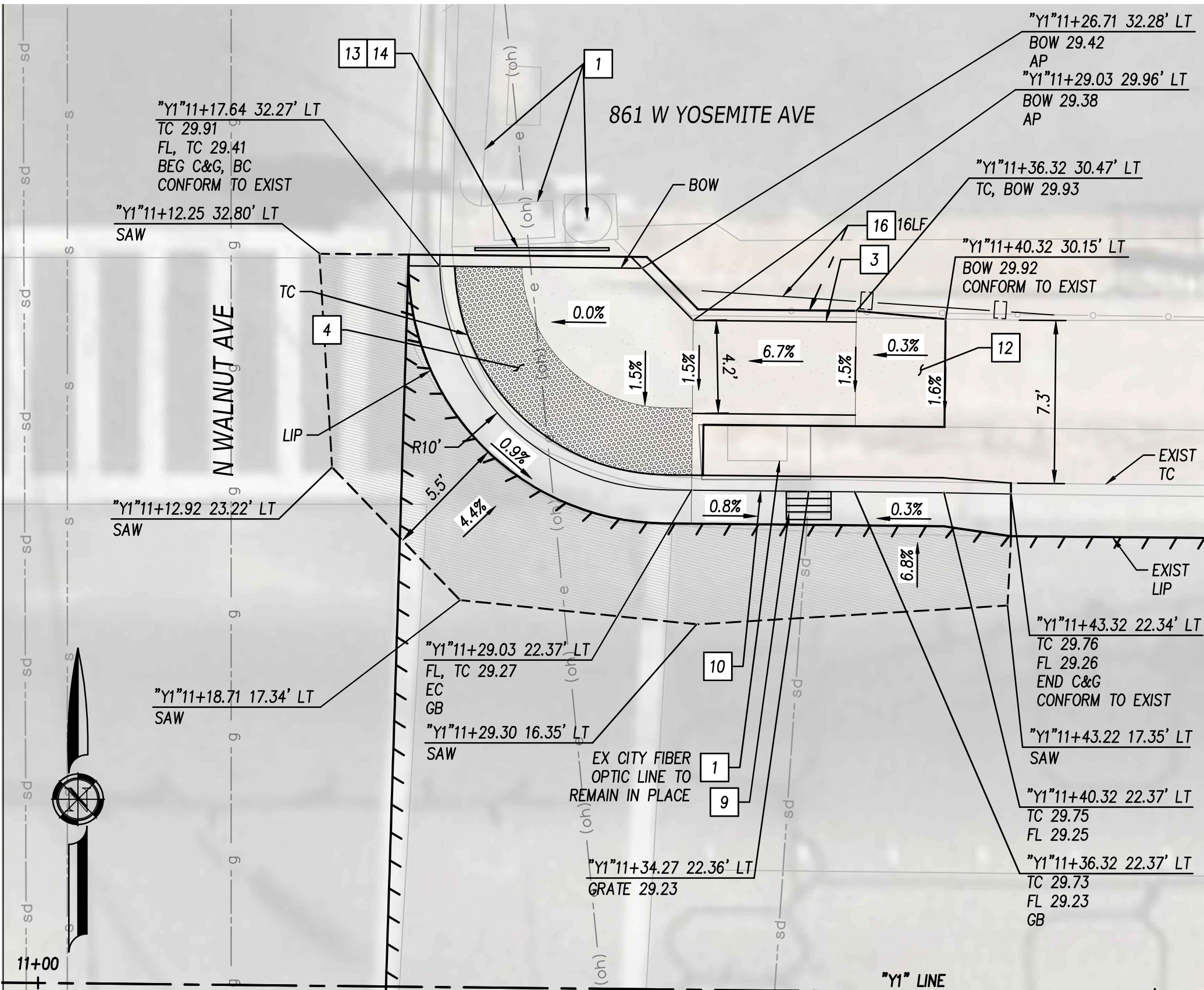
109	30.40	2113655.27	6352303.55	CP CUT X ON WALK
108	31.85	2113594.48	6352848.45	CP CUT X ON WALK
107	33.00	2113643.87	6353323.67	CP CUT X ON WALK
106	34.54	2113648.61	6353716.98	CP CUT X ON WALK
104	29.47	2113676.89	6351053.72	CP CUT X ON WALK
102	34.53	2113640.10	6353903.47	CP CUT X ON WALK
101	34.72	2113577.89	6353976.50	CP CUT X ON WALK
100	35.78	2113641.65	6354619.51	FD CUT X IN CURB
48	30.43	2113654.72	6352149.42	BD STAMPED CITY OF MANTECA

VERTICAL CONTROL
VERTICAL DATUM: ELEVATIONS SHOWN ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29), BASED ON MEASUREMENTS TO THE CITY OF MANTECA BENCHMARK NO. 48 WITH A PUBLISHED ELEVATION OF 30.426 FEET, BEING A 2-INCH BRASS DISC STAMPED "CITY OF MANTECA BENCHMARK NO. 48" SET IN TOP OF CURB AT THE WEST RETURN OF THE NORTHWEST CORNER OF THE INTERSECTION OF YOSEMITE AVENUE AND VEACH AVENUE.

HORIZONTAL CONTROL
HORIZONTAL DATUM: COORDINATES SHOWN ARE BASED ON THE 1992 ADJUSTMENT OF THE NORTH AMERICAN DATUM ON 1983 (NAD83), CALIFORNIA STATE PLANE ZONE 3 (CA 0403) US SURVEY FEET, BASED ON MEASUREMENTS TO THE PUBLISHED VALUES OF POINT # 217, 238, AND 271 SHOWN ON THE MAP FILED IN BOOK 33 OF SURVEYS AT PAGE 133 OFFICIAL RECORDS OF SAN JOAQUIN COUNTY.

CIVIL	PLANS FOR THE CONSTRUCTION OF				C.ALLEN	05/06/2025	06/17/2025				
	YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT				SUBMITTED BY	DATE	DATE				
	SURVEY CONTROL				DESIGNED BY	CIP NO.	20006				
	STA "Y1" 10+00 to STA "Y1" 48+25				DRAWN BY	GRID NO.	N/A				
	SHEET: 3 OF 27				FILE NO.	HSIPL-5242(036)	APPROVAL				
DRAWING	SC-1				REVISIONS						
SCALE	1"=75'				NO.	BY	DATE				
HORZ	N/A										
VERT											
CITY OF MANTECA					PROJECT ENGINEER:						
DEPARTMENT OF ENGINEERING					C.ALLEN						
1001 W CENTER ST											
MANTECA, CA 95337											
(209) 456-8460											

P:\Proj\247061-Manteca-Yosemite Ave\03-PLANS\MASTERS\SHEETS\247061_03-CD-1 - CONSTRUCTION DETAILS.dwg Jun 17, 2025 - 2:37pm



3 NW CURB RAMP @ ALMOND AND W YOSEMITE AVE
SCALE: 1"=5'

4 NE CURB RAMP @ ALMOND AND W YOSEMITE AVE
SCALE: 1"=5'

CONSTRUCTION NOTES:

- 1 REMAIN IN PLACE
- 2 UTILITY/STRUCTURE, ADJUST TO GRADE
- 3 CONSTRUCT 6" RETAINING CURB
- 4 CONSTRUCT CASE CM CURB RAMP WITH DETECTABLE WARNING SURFACE PER CALTRANS STANDARD PLAN A88B
- 5 CONSTRUCT CASE C CURB RAMP WITH DETECTABLE WARNING SURFACE PER CALTRANS STANDARD PLAN A88A
- 6 CONSTRUCT MODIFIED CASE A CURB RAMP WITH DETECTABLE WARNING SURFACE PER CALTRANS STANDARD PLAN A88A
- 7 INSTALL 12" HDPE SDR 26 STORM DRAIN PIPE AND CONNECT TO EXISTING STORM DRAIN MANHOLE
- 8 CONSTRUCT MODIFIED CASE C CURB RAMP WITH DETECTABLE WARNING SURFACE PER CALTRANS STANDARD PLAN A88A
- 9 REPLACE GRATE WITH CURB INLET TYPE 1 GRATE PER CITY OF MANTECA STANDARD PLAN D-4
- 10 CONSTRUCT VERTICAL CURB PER CITY OF MANTECA STANDARD PLAN ST-7
- 11 REMOVE EXISTING BENCHMARK #48. RE-ESTABLISH NEW BENCHMARK #48 IN NEW TOP OF CONCRETE CURB AS SHOWN. FILE THE CORNER RECORDS WITH THE COUNTY SURVEYOR FOR RE-ESTABLISHING THE NEW BENCHMARK #48. THE CITY SHALL RECEIVE A COPY OF THE SUBMITTED AND FINAL RECORDED CORNER RECORDS DOCUMENTS. CITY WILL FURNISH THE NEW BRASS BENCHMARK. CONTRACTOR SHALL STAMP AND INSTALL NEW BRASS BENCHMARK.
- 12 CONSTRUCT SIDEWALK CONFORM
- 13 ROADSIDE SIGN, SEE PAVEMENT DELINEATION SHEETS
- 14 PLACE PEDESTRIAN BARRICADE TYPE I PER CALTRANS STANDARD PLAN ES-7Q, DETAIL C
- 15 FURNISH AND INSTALL CURB INLET TYPE 1 GRATE, PER CITY OF MANTECA STANDARD PLAN D-4
- 16 RELOCATE CHAINLINK FENCE
- 17 REMOVE DRAINAGE INLET. FURNISH AND INSTALL DRAINAGE INLET TYPE G1, PER CALTRANS STANDARD PLAN D73B

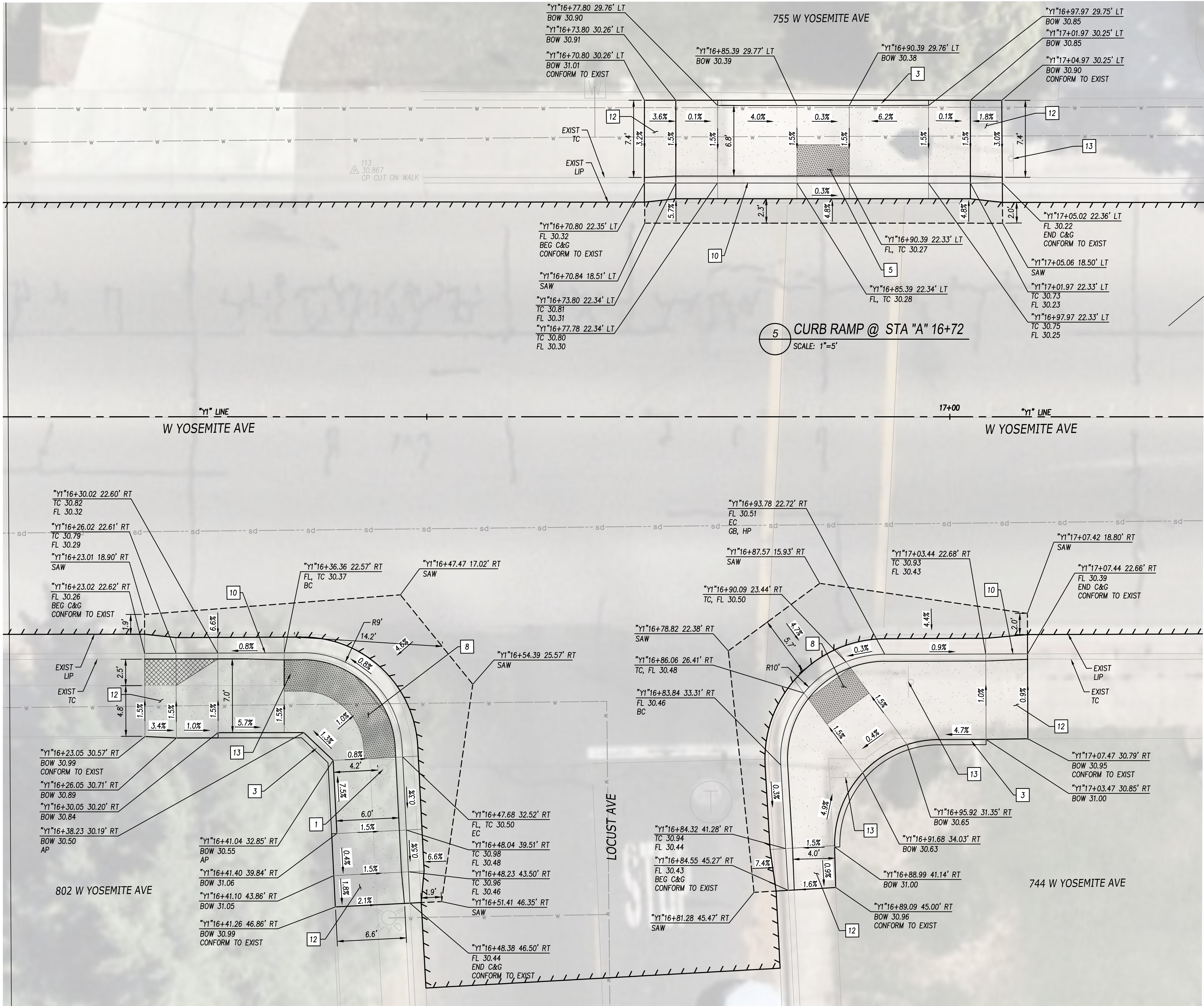
LEGEND:

- 4" CONCRETE
- 4" CLASS II AB
- 6" HMA PLUG
- SLURRY SEAL LIMITS
- SAWCUT
- PEA GRAVEL

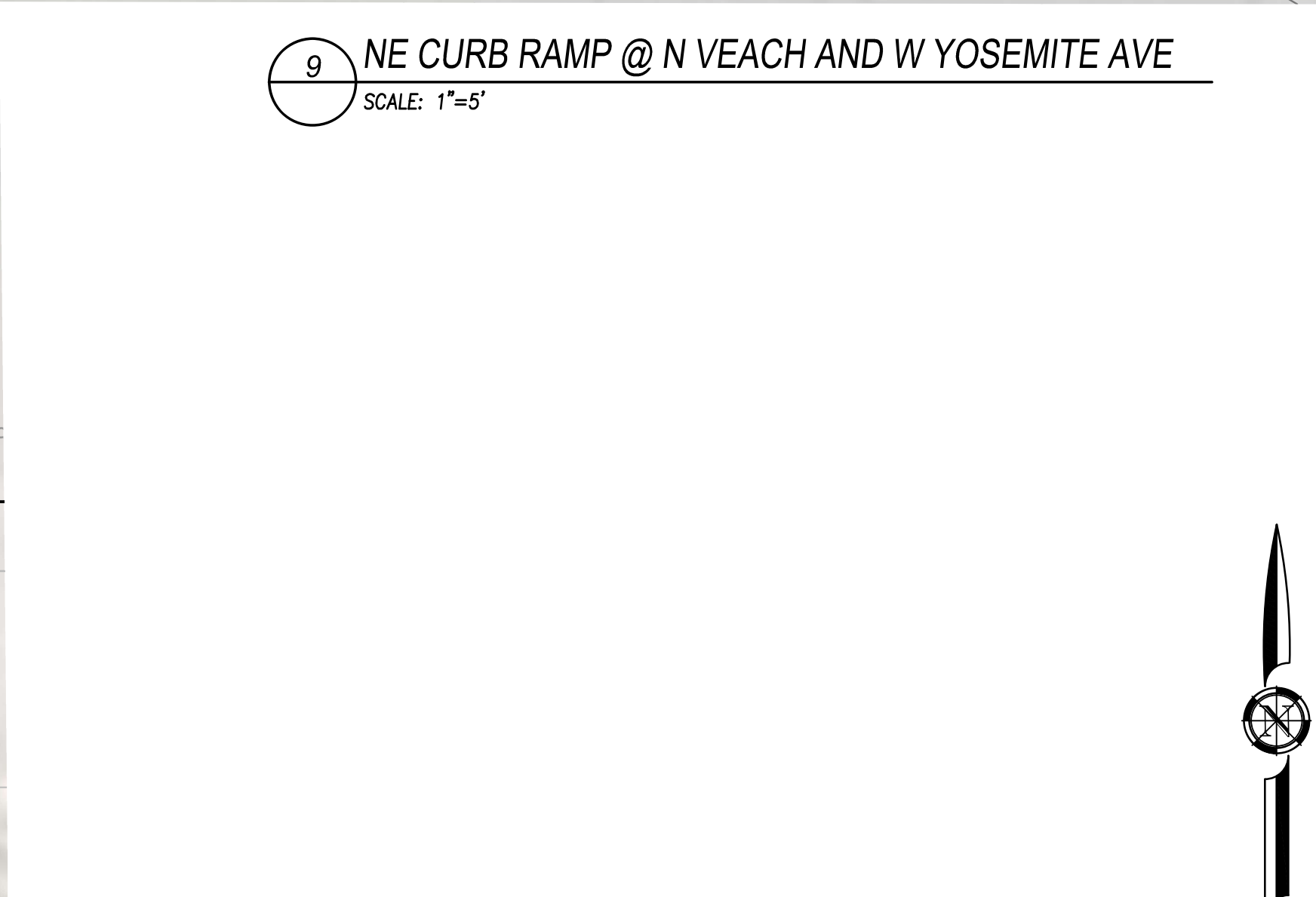
NOTES:

1. GUTTER SLOPES FROM THE FLOWLINE TO LIP SHALL BE 5% MAXIMUM FOR THE FULL WIDTH OF ALL CURB RAMPS. THE 5% CROSS SLOPE SHALL TRANSITION TO THE STANDARD CURB AND GUTTER CROSS-SLOPE OVER A DISTANCE OF 3 FEET UNLESS NOTED OTHERWISE.
2. ALL NEW CURB RAMPS, SIDEWALK, TRANSITIONS TO CURB RAMPS, AND STREET CROSSINGS SHALL BE COMPLIANT, FLATTER, OR WIDER THAN THE LATEST ADA STANDARDS.

PLANS FOR THE CONSTRUCTION OF		DATE		06/17/2025
YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT		CIP NO.		20006
CONSTRUCTION DETAILS		GRID NO.		N/A
CIVIL	DRAWING	CD-1	FILE NO.	HSIPL-5242(036)
SHEET: 4 OF 27	SCALE 1"=5'	VERT N/A	APPROVAL	
			DATE	BY
CITY OF MANTECA		DESIGNED BY		B. MICHEL
DEPARTMENT OF ENGINEERING		DRAWN BY		B. MICHEL
1001 W CENTER ST		PROJECT ENGINEER:		C. ALLEN
MANTECA, CA 95337		DATE		
(209) 456-8460		PROJECT ENGINEER:		C. ALLEN



CIVIL	PLANS FOR THE CONSTRUCTION OF										 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460		DATE		06/17/2025																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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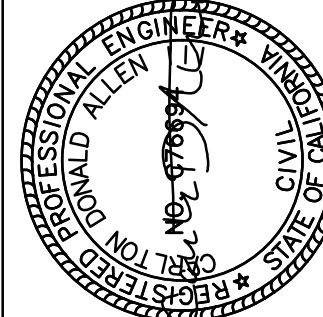
PLANS FOR THE CONSTRUCTION OF

YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT CONSTRUCTION DETAILS

CONSTRUCTION DETAILS



CITY OF MANTECA
DEPARTMENT OF ENGINEERING
1001 W CENTER ST
MANTECA, CA 95337
(209) 456-8460



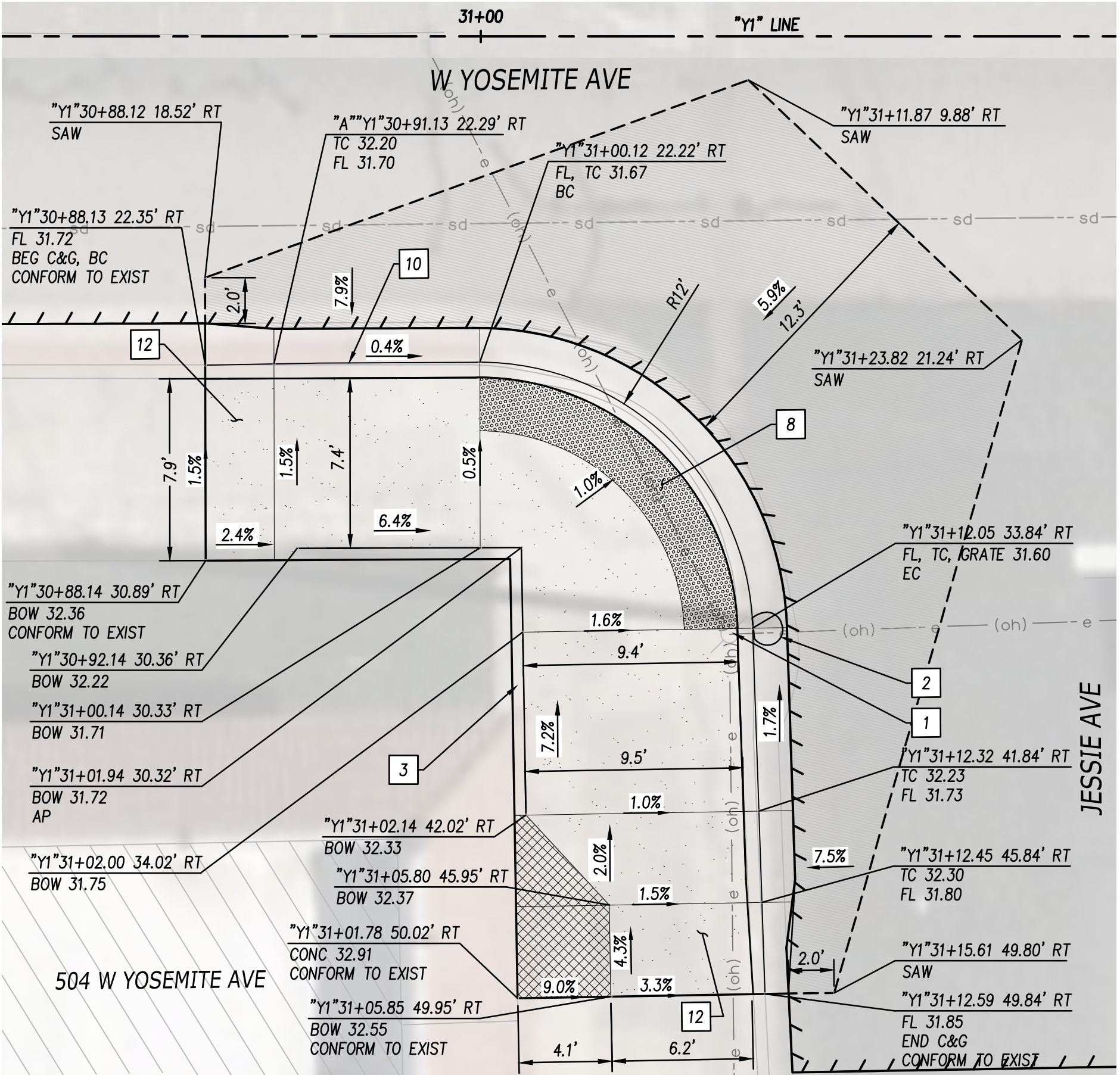
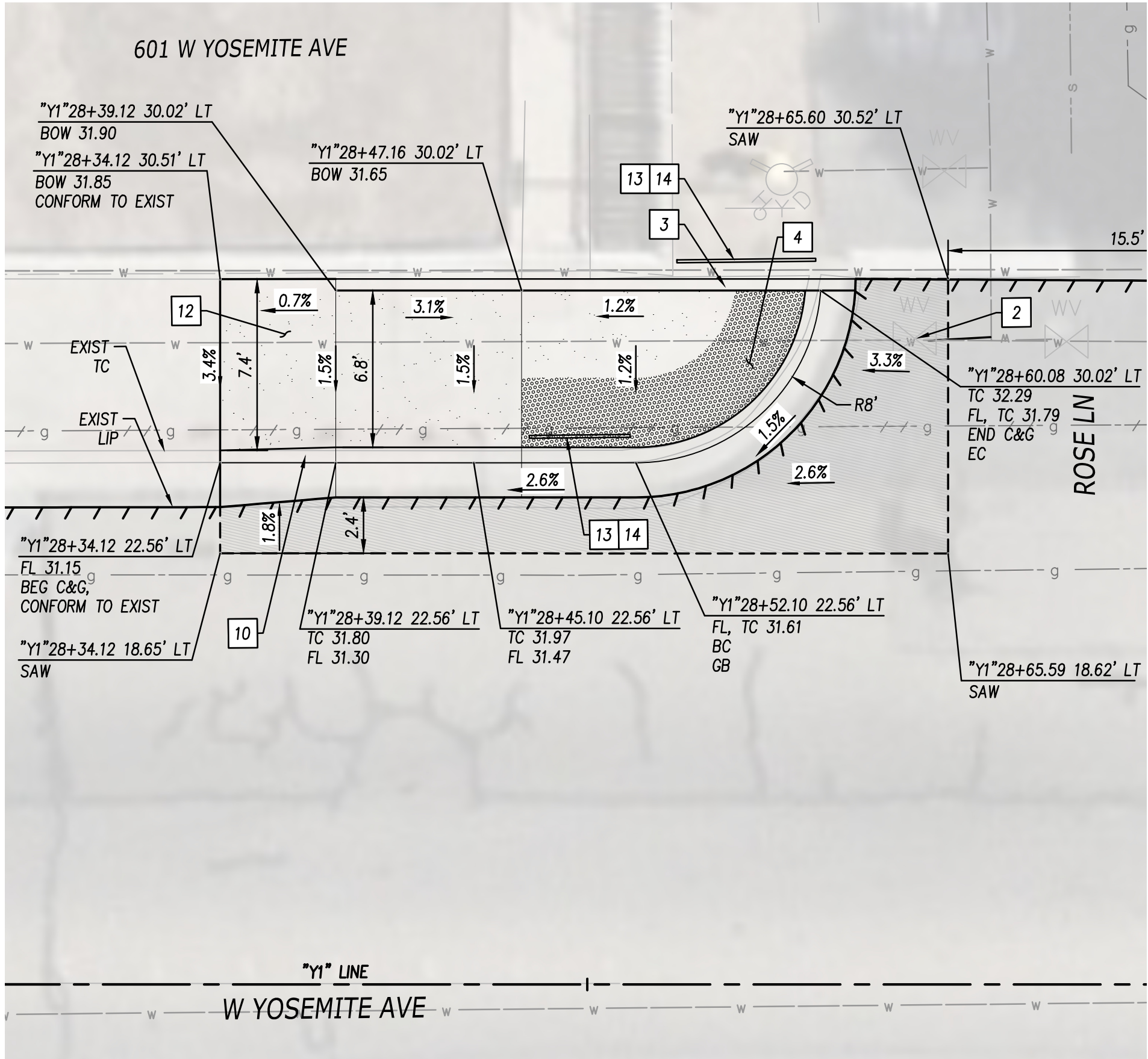
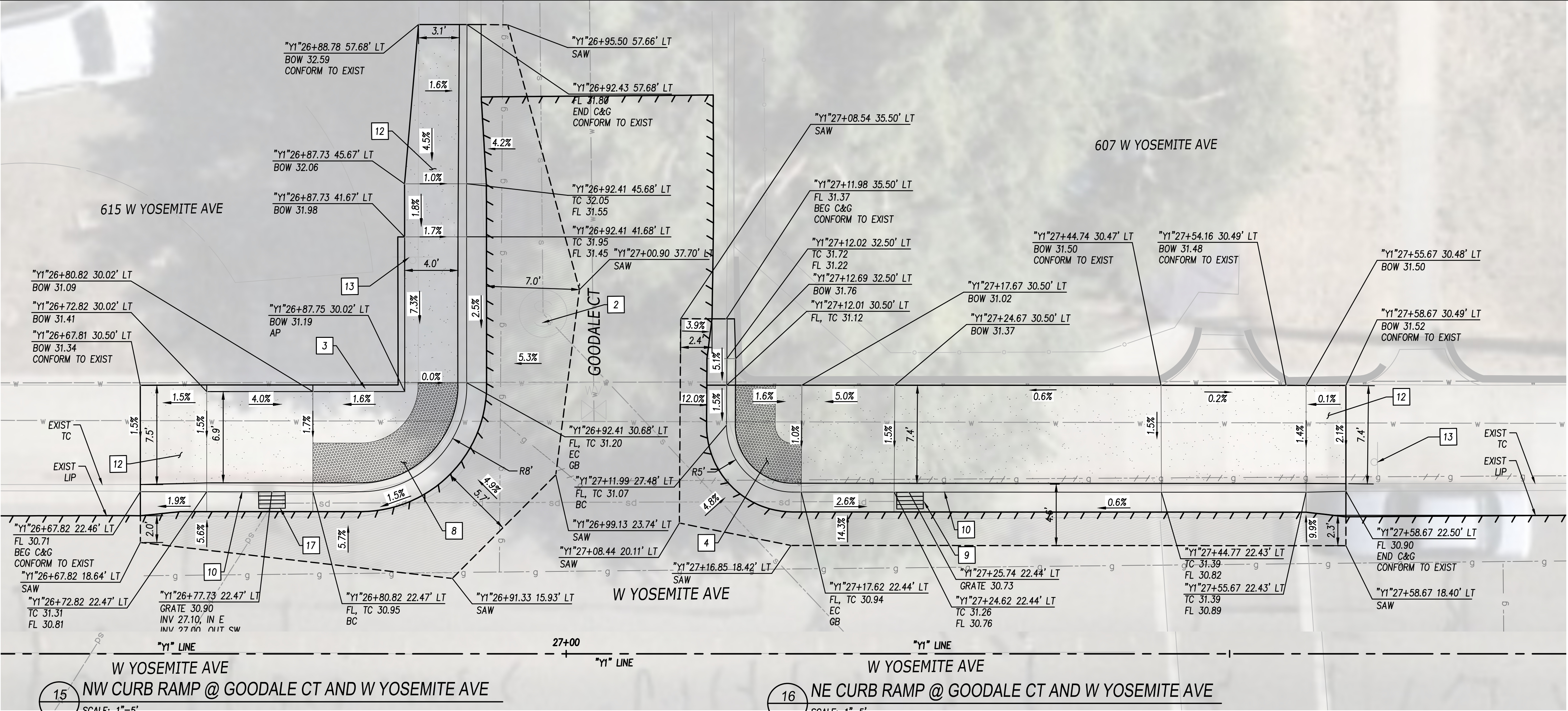
DATE

PROJECT ENGINEER:

[illegible]

CIVIL	
DRAWING	CD-4
SHEET: 7	OF 27
SCALE	
HORIZ	1"=5'
VERT	N/A

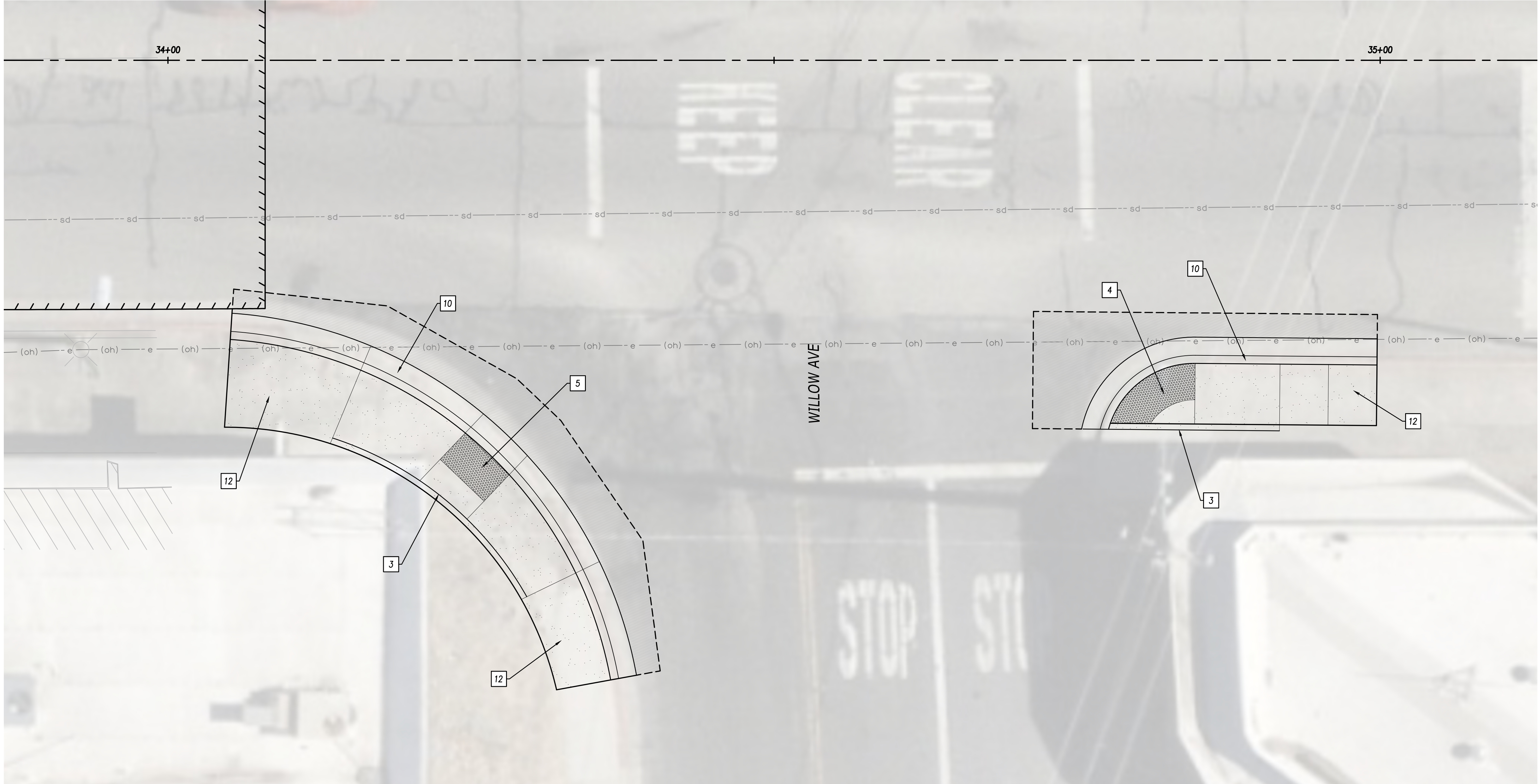
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17 NW CURB RAMP @ ROSE LN AND W YOSEMITE AVE
SCALE: 1"=5'

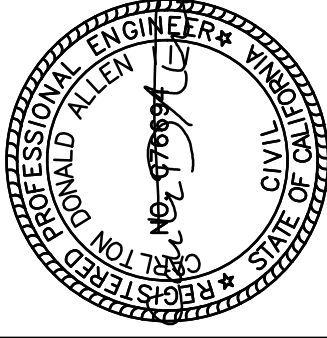
18 CURB RAMP @ STA "A" 30+91
SCALE: 1"=5'

CIVIL	DRAWING	CD-5	SHEET: 8 OF 27	SCALE 1"=5'	VERT N/A	PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT CONSTRUCTION DETAILS	CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460		C.ALLEN	05/06/2025	06/17/2025	DESIGNED BY B.MICHEL	CIP NO. 20006	GRID NO. N/A	FILE NO. HSIPL-5242(036)	APPROVAL BY DATE
									NO.	REVISIONS						
									DATE	PROJECT ENGINEER: C.ALLEN						



19 SW CURB RAMP @ WILLOW AVE AND W YOSEMITE AVE
SCALE: 1"=5'

20 SE CURB RAMP @ WILLOW AVE AND W YOSEMITE AVE
SCALE: 1"=5'

CIVIL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT CONSTRUCTION DETAILS						C. ALLEN SUBMITTED BY DESIGNED BY B. MICHEL DRAWN BY B. MICHEL NO. _____ REVISIONS		05/06/2025 DATE	06/17/2025 DATE
DRAWING										CIP NO. 20006	20006
CD-6										GRID NO. N/A	N/A
SHEET: 9 OF 27										FILE NO. HSIPL-5242(036)	
SCALE										APPROVAL	
HORIZ 1"=20'										BY	
VERT N/A										DATE	
										PROJECT ENGINEER: C. ALLEN	

P:\Proj\247061-Manteca-Yosemite Ave\03-PLANS\MASTERS\SHEETS\247061_04-PD-1- PAVEMENT DELINEATION.dwg Jun 17, 2025 -- 2:23pm

SIGNING AND STRIPING GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CALTRANS STANDARD PLANS, 2024 EDITION, AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), CURRENT EDITION.
2. THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING WORK WITHIN THE PUBLIC RIGHT OF WAY ONLY.
3. ALL EXISTING SIGNING TO REMAIN, UNLESS OTHERWISE NOTED. CONFLICTS BETWEEN EXISTING AND PROPOSED SIGNAGE SHALL BE RESOLVED BY THE ENGINEER.
4. PROTECT EXISTING STRIPING AND MARKINGS IN PLACE, EXCEPT FOR THOSE IN CONFLICT WITH PROPOSED STRIPING, AS DIRECTED BY THE ENGINEER. ALL STRIPING NOT PART OF THE PROJECT DISTURBED OR MARKED BY CONSTRUCTION ACTIVITY SHALL BE RESTORED TO THE SATISFACTION OF THE CITY AT CONTRACTORS EXPENSE.
5. ALL STRIPING AND MARKINGS SHALL BE THERMOPLASTIC.
6. EXACT POSITION AND LOCATION OF ALL ROADSIDE SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. FULL REMOVAL OF EXISTING STRIPING AND PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY APPROVED GRINDING METHOD.
8. CROSSWALKS SHALL BE 12 FEET WIDE INCLUDING THE 12" SOLID PAVEMENT MARKINGS AND SHALL BE WHITE UNLESS OTHERWISE NOTED.
9. ALL SIGNING AND STRIPING WORK SHALL BE COORDINATED WITH THE ELECTRICAL WORK AS DIRECTED BY THE ENGINEER.
10. LANE WIDTHS ADJACENT TO CURBS ARE MEASURED TO THE FACE OF CURB.
11. TRAFFIC SIGNS SHALL BE INSTALLED BEHIND THE SIDEWALK WHEN THE SIDEWALK IS IMMEDIATELY ADJACENT TO THE CURB. SIGNS SHALL BE INSTALLED BETWEEN THE CURB AND SIDEWALK WHEN THE SIDEWALK IS DETACHED. SIGNS IN PEDESTRIAN AREAS SHALL HAVE A CLEARANCE FROM THE GROUND OF AT LEAST SEVEN FEET. IF THIS CLEARANCE REQUIREMENT IS NOT SATISFIED AFTER THE INSTALLATION OF ADDITIONAL SIGN PANELS, CONTRACTOR SHALL INSTALL A NEW SIGN POST.
12. MOUNT SIGNS USING BANDING ON SIGNAL AND STREET LIGHT POLES WHERE FEASIBLE. SEE ELECTRICAL PLANS FOR POLE LOCATIONS.
13. CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE EXACT STREET NAME AND STREET ADDRESS FOR PLACEMENT ON STREET NAME SIGNS PRIOR TO ORDERING SIGNS.
14. CONTRACTOR SHALL DELIVER ALL REMOVED ROADWAY SIGNS TO THE CITY OF MANTECA'S STREET DIVISION AT 265 E WETMORE STREET.
15. FOR ALL DRIVEWAYS, INSTALL DASHED GREEN BICYCLE LANE MARKINGS PER CALIFORNIA MUTCD FIG 9C-110 (CA).
16. INSTALL A MINIMUM OF 15 FEET OF RED CURB PAINT IN ALL DIRECTIONS AT ALL CROSSWALKS. WHERE YIELD MARKINGS ARE INSTALLED, EXTEND THE RED CURB PAINT TO THE YIELD MARKINGS.

LEGEND:

- ★

INSTALL NEW ROADSIDE SIGN PANEL ON NEW POST
- ⊗

INSTALL NEW ROADSIDE SIGN PANEL ON EXISTING POST
- ▲

RELOCATE EXISTING SIGN
- REMOVE ROADSIDE SIGN PANELS
- REMOVE ROADSIDE SIGN
- ◆

RESET EXISITNG ROADSIDE SIGN WITH NEW POLE AND EXISTING PANELS
- +

EXISTING ROADSIDE SIGN LOCATION
- +

PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
- [SLS]

STREET LIGHT MOUNTED SIGN
- ##

CALTRANS STANDARD PLANS, 2024 STRIPING
- ↶

TYPE IV ARROW (Lt OR Rt) PAVEMENT MARKING PER CALTRANS STD PLAN A24A
- ➔

TYPE I 10'-0" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A
- SLURRY SEAL LIMITS
- ▶▶

YIELD LINE PER CALTRANS STD PLAN A24G
- MMA

METHYL METHACRYLATE PAINT
- SNS

STREET NAME SIGN
- RED CURB PAINT

FROM

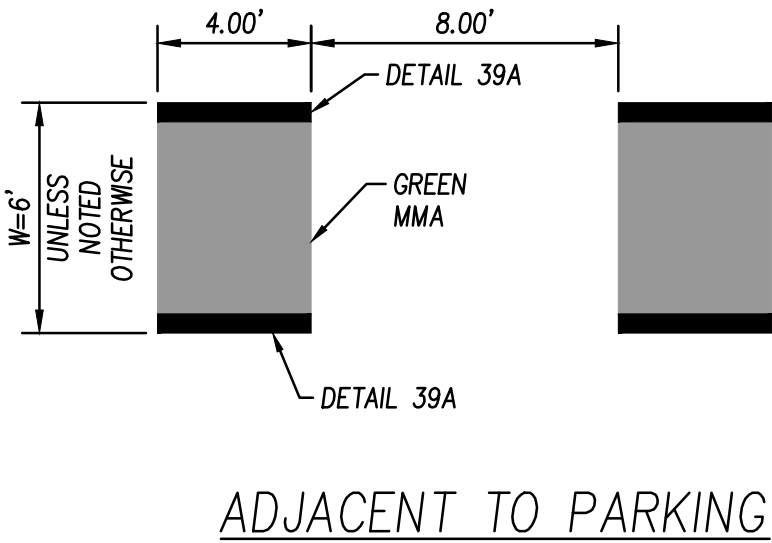
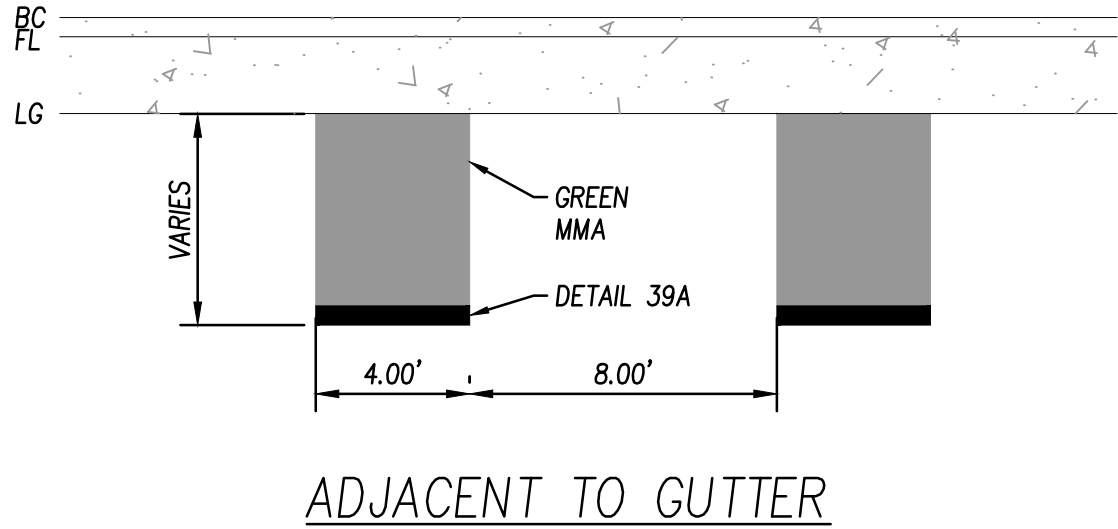
TO

NOTES:

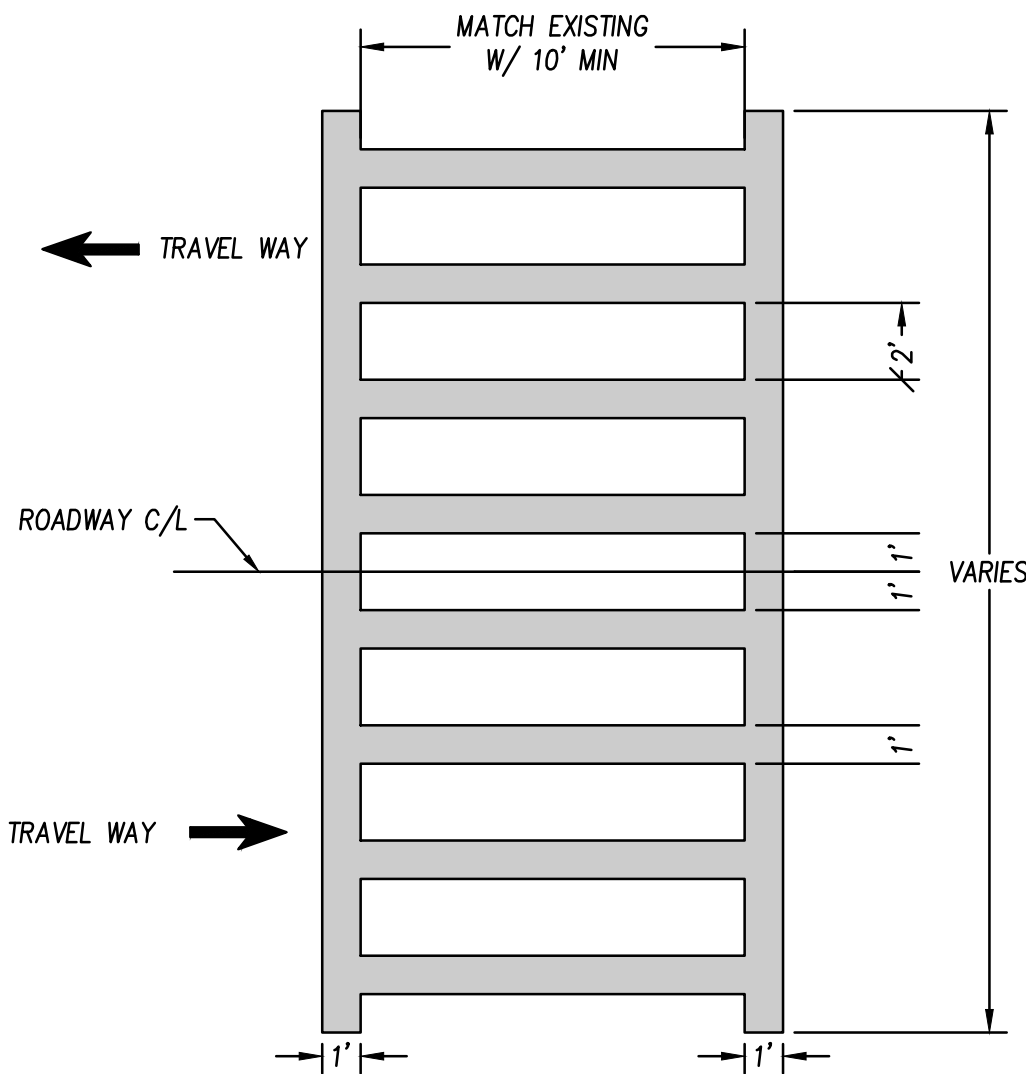
1. MARKINGS MUST BE PLACED TO AVOID WHEEL PATHS.

2. MARKINGS ARE NOT TO BE PLACED ON CONCRETE GUTTER PAN.

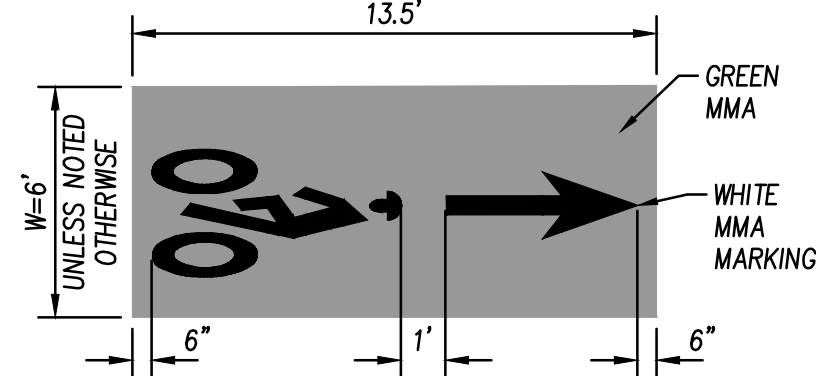
3. PROVIDE YELLOW CROSSWALK MARKINGS WITHIN 500' FROM SCHOOL OR AS NOTED ON PLANS. OTHERWISE, MARKINGS SHALL BE WHITE.



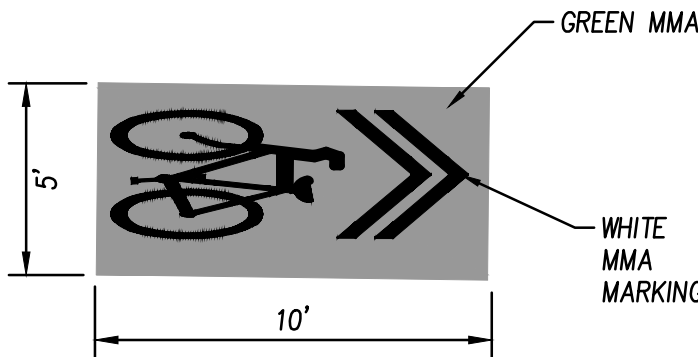
1 LADDER CROSSWALK
SCALE: N.T.S.



2 LADDER CROSSWALK AND LIMIT LINE DETAIL
SCALE: N.T.S.



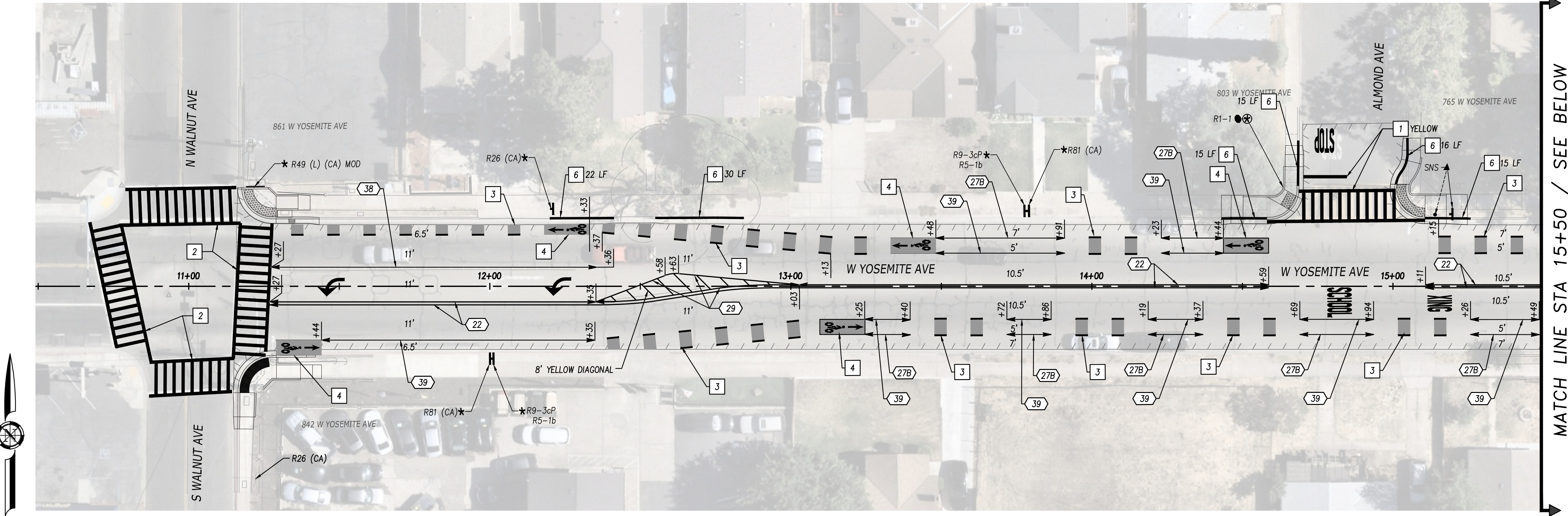
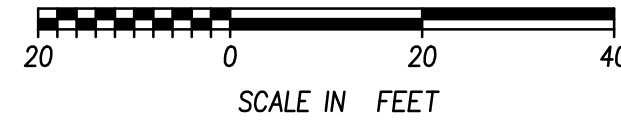
3 CONFLICT ZONE DETAIL
SCALE: N.T.S.



STRIPING NOTES:

- 1 PLACE LADDER CROSSWALK AND LIMIT LINE PER DETAIL 2, SHEET PD-1
- 2 PLACE LADDER CROSSWALK PER DETAIL 1, SHEET PD-1
- 3 CONFLICT ZONE PER DETAIL 3, SHEET PD-1
- 4 PLACE GREEN BIKE LANE MARKING PER DETAIL 4, SHEET PD-1
- 5 PLACE GREEN SHARED LANE MARKING PER DETAIL 5, SHEET PD-1
- 6 RED CURB PAINT PER SIGNING AND STRIPING GENERAL NOTE 16, SEE SHEET PD-1

CIVIL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT PAVEMENT DELINEATION										 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460										 DATE PROJECT ENGINEER: C.ALLEN										C.ALLEN		SUBMITTED BY		05/06/2025		DATE		06/17/2025	
DRAWING																								DESIGNED		B.MICHEL				CIP NO.		20006									
PD-1																								DRAWN		B.MICHEL				GRID NO.		N/A									
SHEET: 10 OF 27																								NO.		REVISIONS				FILE NO.		HSIPL-5242(036)									
SCALE																																APPROVAL									
HORIZ																																									
VERT																																									
N/A																																									

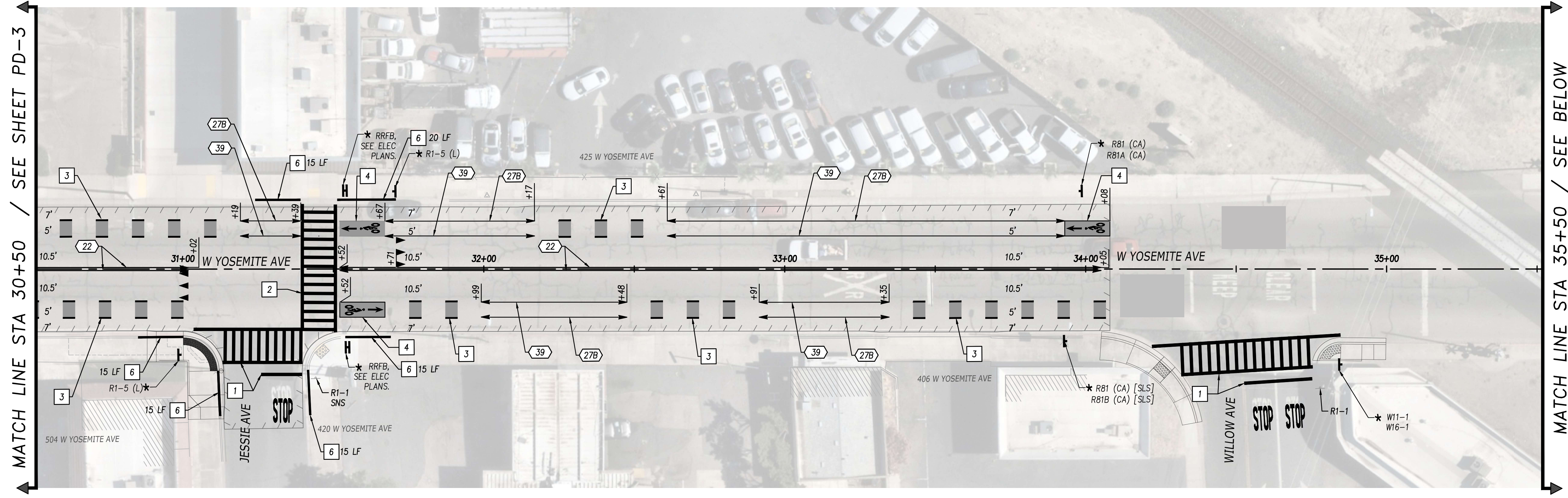
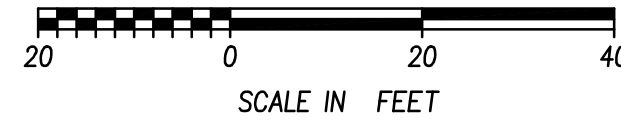


MATCH LINE STA 15+50 / SEE BELOW

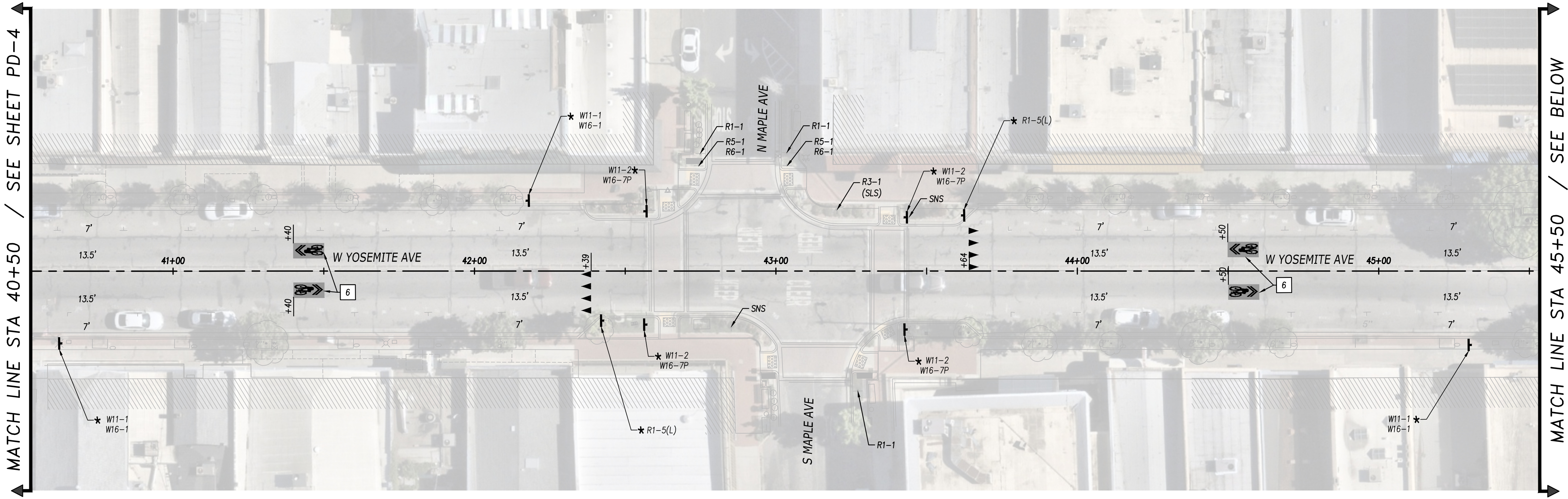
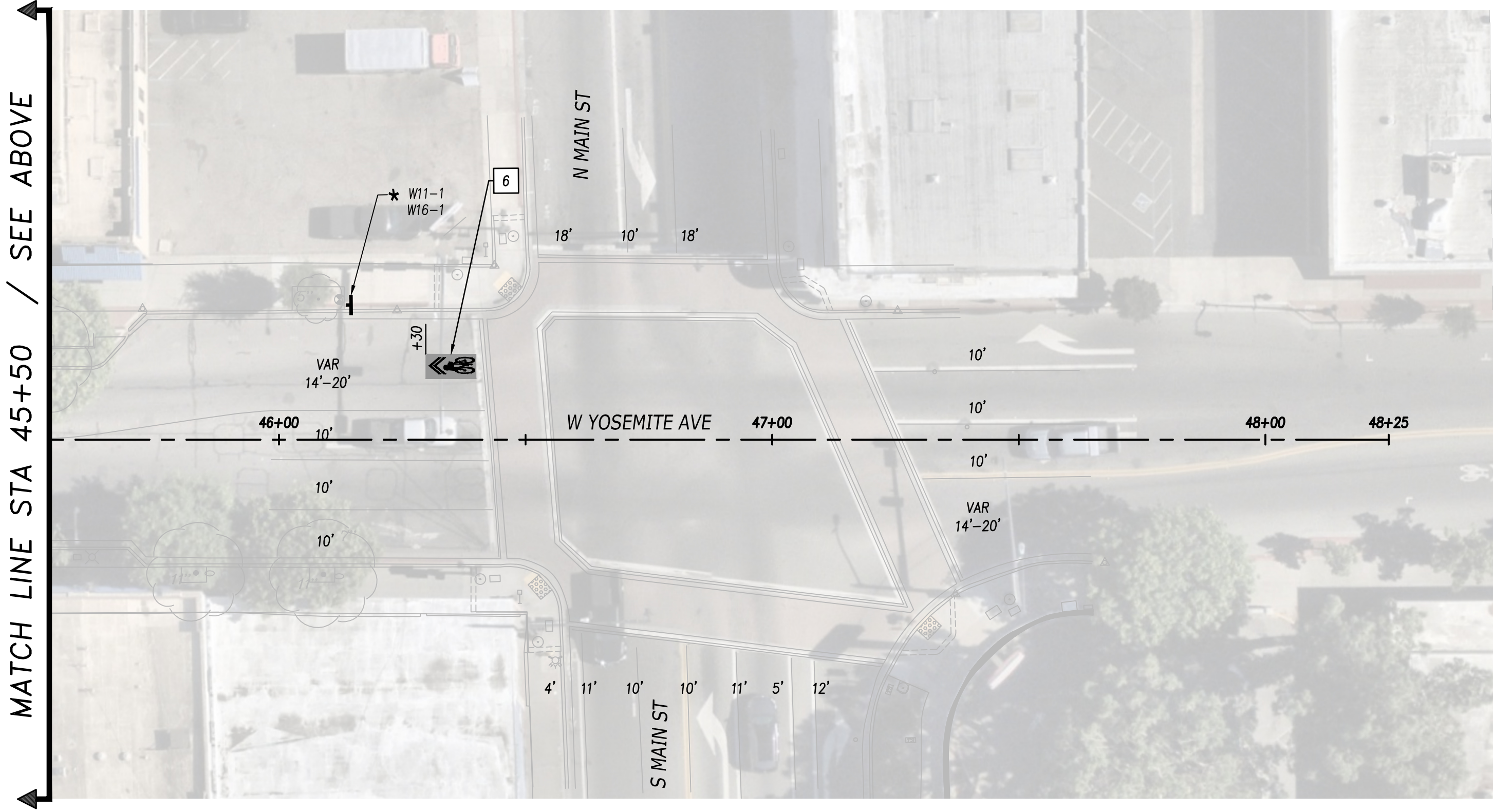
MATCH LINE STA 20+50 SEE SHEET PD-3

CIVIL		PLANS FOR THE CONSTRUCTION OF		 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460				C. ALLEN 05/06/2025 DATE		06/17/2025	
DRAWING								SUBMITTED BY		20006	
PD-2								DESIGNED		N/A	
SHEET: 11 OF 27								DRAWN		FILE NO.	
SCALE								NO.		HSIPL-5242(036)	
HORIZ		1"=20'						REVISIONS		APPROVAL	
VERT		N/A						BY		DATE	

[illegible]



CIVIL	PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT PAVEMENT DELINEATION STA XX+XX to STA XX+XX					
DRAWING PD-4						
SHEET: 13 OF 27						
SCALE 1"=20'						
HORIZ N/A						
VERT N/A						



CIVIL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT PAVEMENT DELINEATION STA XX+XX to STA XX+XX  CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460															
DRAWING PD-5																	
SHEET: 14 OF 27																	
SCALE HORIZ 1"=20'		DATE															
VERT N/A		PROJECT ENGINEER: C.ALLEN															
		C.ALLEN				SUBMITTED BY				05/06/2025				DATE		06/17/2025	
		DESIGNED B.MICHEL				GRID NO.				20006							
		DRAWN B.MICHEL				FILE NO.				HSIPL-5242(036)							
		NO. REVISIONS															
		APPROVAL															
		BY DATE															

ROADSIDE SIGN QUANTITIES

SIGN DESGNATION	DESCRIPTION	PANEL SIZE (W X D)	PANEL AREA	No. OF SIGNS	BACKGROUND		LEGEND		PROTECTIVE OVERLAY PREMIUM	INSTALL NEW ROADSIDE SIGN PANEL ON NEW POST	INSTALL NEW ROADSIDE SIGN PANEL ON EXISTING POST	RESETEXISTING ROADSIDE SIGN WITH NEW POLE AND EXISTING PANELS	RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN PANEL	REMOVE ROADSIDE SIGN	COMMENTS
		INCHES	SQFT		SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING CO..OR	RETROREFLECTIVE ASTM TYPE	PREMIUM	EACH	EACH	EACH	EACH	EACH	EACH	
OM1-3	OBJECT MARKER SIGN	18 X 18	2.3	1	YELLOW	XI	-	-	-	1	-	-	-	-	-	PLACE PANELS ON BARRICADE.
R1-1	STOP SIGN	30 X 30	6.3	8	RED	XI	WHITE	XI	X	-	4	-	-	4	-	
R1-5L	YELD HERE TO PEDESTRIANS	36 X 36	9.0	12	WHITE	IX	BLACK/RED	IX	X	11	1	-	-	-	-	
R5-1b	BIKE WRONG WAY	12 X 18	1.5	7	RED	XI	WHITE	XI	X	7	-	-	-	-	-	
R26 (CA)	NO PARKING ANYTIME	12 X 18	1.5	1	RED	XI	WHITE	XI	X	1	-	-	-	-	-	
R81 (CA)	BIKE LANE	24 X 18	3.0	11	WHITE	IX	BLACK	-	X	11	-	-	-	-	-	
R81A (CA)	BEGIN	12 X 5	0.42	1	WHITE	IX	BLACK	-	X	1	-	-	-	-	-	
R81B (CA)	END	12 X 5	0.42	1	WHITE	IX	BLACK	-	X	1	-	-	-	-	-	
R9-3cP	RIDE WITH TRAFFIC	12X12	1.0	7	WHITE	IX	BLACK	-	X	7	-	-	-	-	-	
R49 (R) (CA) MOD	"SIDE WALK ENDS, USE CROSSWALK" AND ARROW	42X18	5.3	1	WHITE	IX	BLACK	-	X	1	-	-	-	-	-	PLACE PANELS ON BARRICADE.
R49 (L) (CA) MOD	"SIDE WALK ENDS, USE CROSSWALK" AND ARROW	42X18	5.3	1	WHITE	IX	BLACK	-	X	2	-	-	-	-	-	PLACE PANELS ON BARRICADE.
R49 (L) (CA)	NO PED CROSSING USE CROSSWALK	42X18	5.3	1	WHITE	IX	BLACK	-	X	1	-	-	-	-	-	PLACE PANELS ON BARRICADE.
S1-1	WATCH FOR PEDESTRIANS	36 X 36	9.0	12	YELLOW	XI	BLACK	-	X	8	-	-	-	-	4	ALL NEW SIGNS FOR RRFB
W11-1	BICYCLE WARNING	36 X 36	9.0	6	YELLOW	XI	BLACK	-	X	6	-	-	-	-	-	
W11-2	PEDESTRIAN CROSSING WARNING SIGN	36 X 36	9.0	17	YELLOW	XI	BLACK	-	X	14	-	-	-	-	3	8 NEW SIGNS FOR RRFB
W16-1	SHARE THE ROAD	24 X 30	5.0	6	YELLOW	XI	BLACK	-	X	6	-	-	-	-	-	
W16-7P (R)	DIAGONAL ARROW	24X12	2.0	22	YELLOW	XI	BLACK	-	X	19	-	-	-	-	3	16 NEW SIGNS FOR RRFB
W16-7P (L)	DIAGONAL ARROW	24 X12	2.0	22	YELLOW	XI	BLACK	-	X	19	-	-	-	-	3	16 NEW SIGNS FOR RRFB
SNS	STREET NAME			5						-	-	4	1	-	-	ALL EXISTING SNS PANELS TO BE REUSED.
NA	"SOUTHSIDE CHRISTIAN CHURCH"			1	-	-	-	-	-	-	-	-	1	-	-	REUSE EXISTING SIGN PANEL REMOVE POST AND RELOCATE TO STREET LIGHT POLE.
Total										115	5	4	2	4	13	

CIVIL

DRAWING
PD-6

SHEET: 15 OF 27

SCALE
N/A

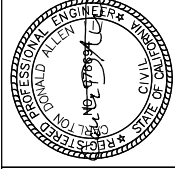
HORIZ
N/A

VERT
N/A

PLANS FOR THE CONSTRUCTION OF
YOSEMITE AVENUE BIKE
AND PEDESTRIAN
IMPROVEMENT PROJECT
PAVEMENT DELINEATION



CITY OF MANTECA
DEPARTMENT OF ENGINEERING
1001 W. CENTER ST.
MANTECA, CA 95337
(209) 456-8460



CARLTON ALLEN
PROFESSIONAL ENGINEER
CIVIL
No. 15799
State of California

DATE
PROJECT ENGINEER:
CARLTON ALLEN

CARLTON ALLEN
SUBMITTED BY

05/06/2025
DATE

06/17/2025
DATE

20006
CIP NO.

DESIGNED BRANDON MICHEL

GRID NO.

N/A

DRAWN BRANDON MICHEL

FILE NO.

HSIPL-5242(036)

NO. OF REVISIONS

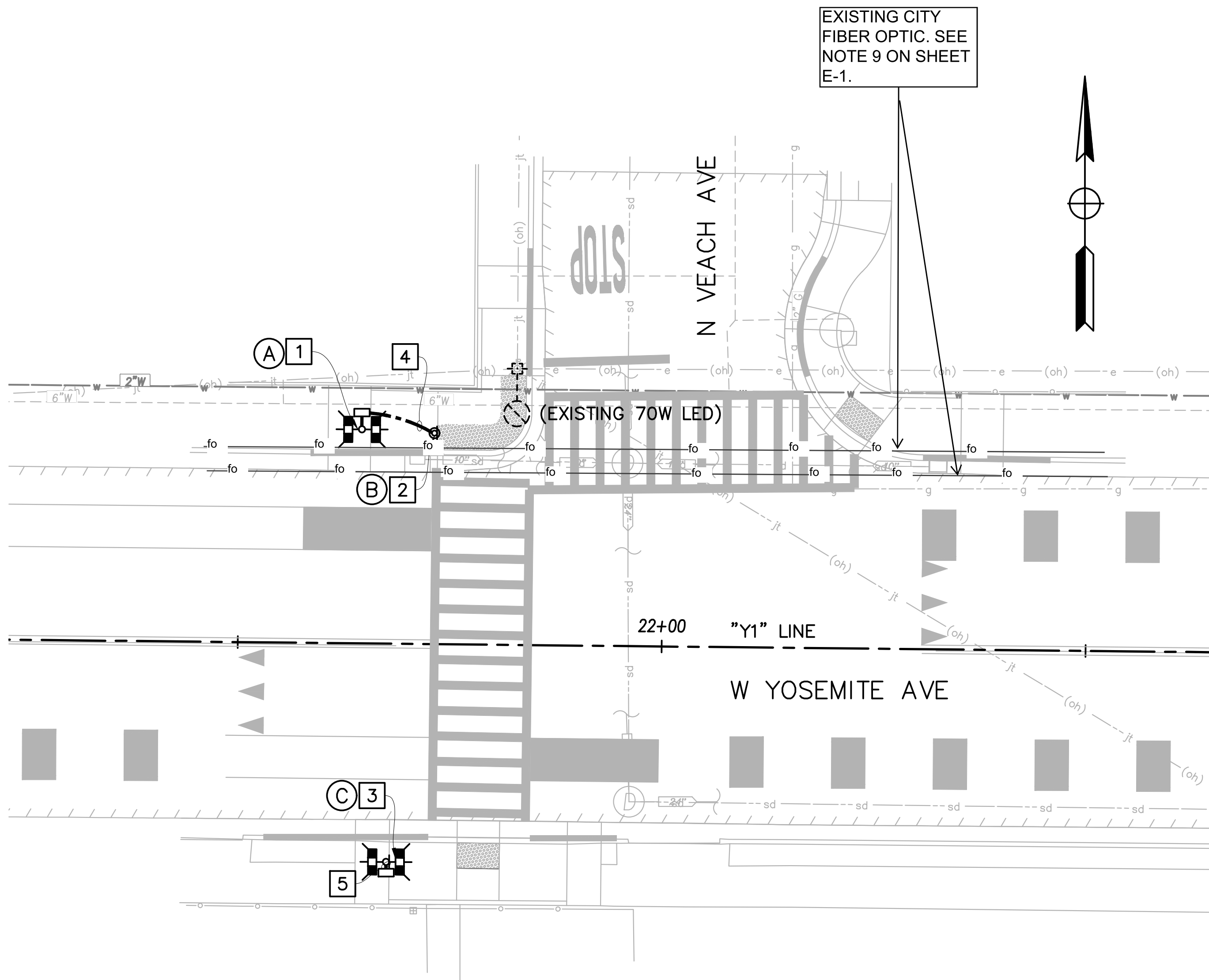
APPROVAL
BY
DATE

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2024 CALTRANS STANDARD SPECIFICATIONS AND PLANS AND SUBSEQUENT REVISIONS.
2. ALL EXISTING ELECTRICAL EQUIPMENT TO REMAIN, UNLESS OTHERWISE NOTED. IF DAMAGED BY THE CONTRACTOR'S OPERATIONS, EQUIPMENT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
3. THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO VERIFY UNDERGROUND AND OVERHEAD UTILITIES. THE CONTRACTOR SHALL CALL 811, UNDERGROUND SERVICE ALERT (U.S.A.), 48 HOURS PRIOR TO ALL EXCAVATION.
4. THE CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE REQUIREMENTS WITH PG&E, AT&T, AND OTHER AFFECTED UTILITIES PRIOR TO THE START OF WORK.
5. THE LOCATION OF ALL EQUIPMENT SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
6. "E" SHEETS ARE ACCURATE FOR ELECTRICAL WORK ONLY.
7. THE CONTRACTOR SHALL VERIFY ALL RIGHT OF WAY AND EASEMENT INFORMATION PRIOR TO CONSTRUCTION.
8. ALL NEW PULL BOXES ARE TYPE 5 UNLESS NOTED OTHERWISE.

ELECTRICAL LEGEND AND ABBREVIATIONS:

- 1 FURNISH AND INSTALL RRFB AID ASSEMBLY ON 2 POST. SEE DETAIL C ON SHEET E-5 FOR ASSEMBLY DETAILS. SEE DETAIL B ON SHEET E-8 FOR POLE LOCATION.
- 2 FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL A ON SHEET E-5 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.
- 3 INSTALL 1.5" C, 1 AID CABLE.
- 4 FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL A ON SHEET E-7 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.

O:\Project\2024\24-7061 Manteca-Yosemite Ave Bike and Ped\03-PLANS\SHEETS\01-RRFB - Locust.dwg Jun 16, 2025 - 10:16am



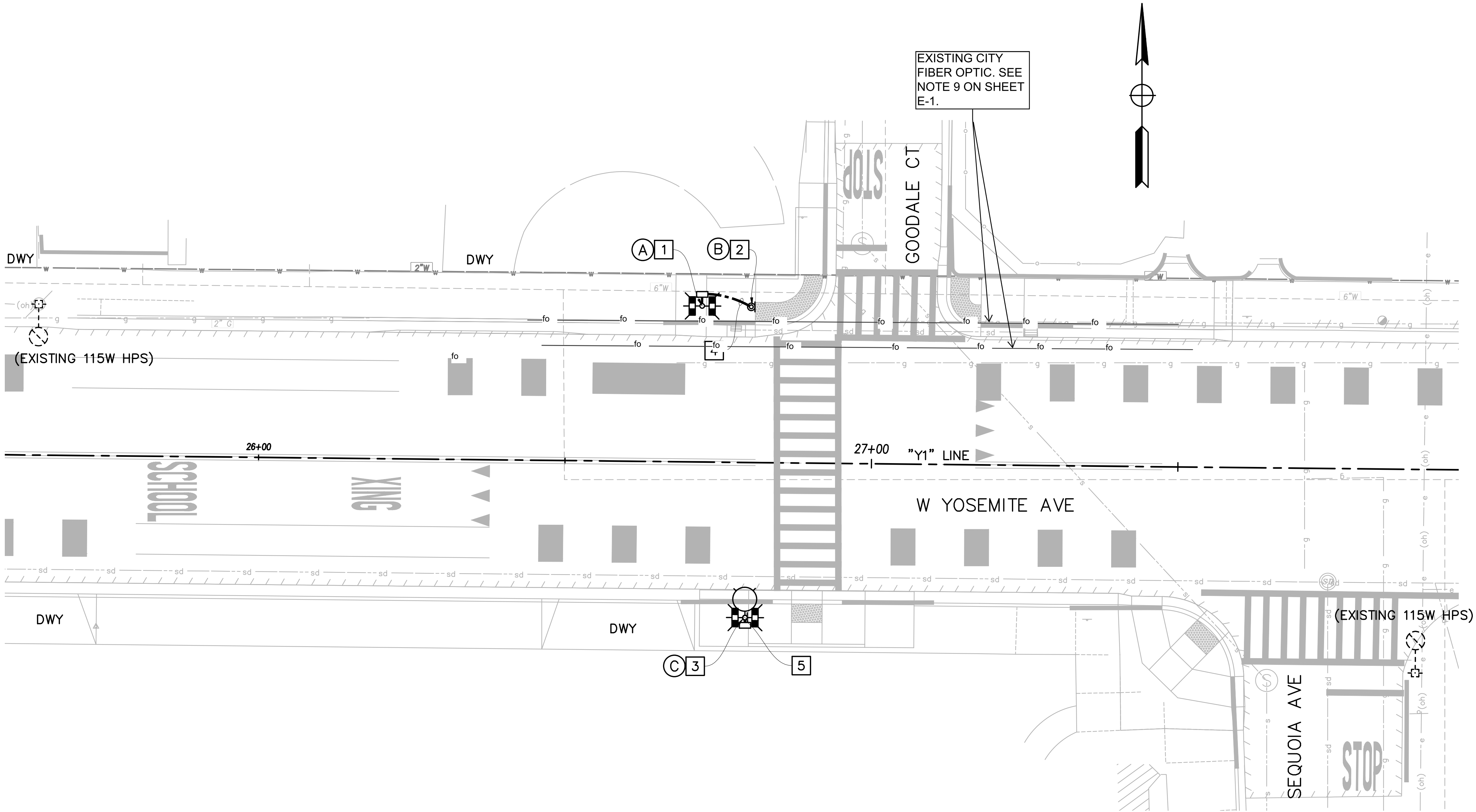
EQUIPMENT SCHEDULE

Loc	STANDARD	AID		REMARKS
	TYPE	ARROW	QUADRANT	
(A)	1-B (15')			SEE NOTE 1
(B)	2 POST	LEFT	EAST	SEE NOTE 2
(C)	1-B (15')	RIGHT	EAST	SEE NOTE 3

KEY NOTES: (THIS SHEET ONLY)

- [1]** FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL A ON SHEET E-5 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.
- [2]** FURNISH AND INSTALL RRFB AID ASSEMBLY ON 2 POST POLE. SEE DETAIL C ON SHEET E-5 FOR ASSEMBLY DETAILS. SEE DETAIL B ON SHEET E-8 FOR POLE LOCATION.
- [3]** FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL B ON SHEET E-5 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.
- [4]** INSTALL 1.5" C, 1 AID CABLE.
- [5]** INSTALL 2" C, MT.

ELECTRICAL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT RECTANGULAR RAPID FLASHING BEACON SYSTEM W YOSEMITE AVE AND N VEATCH AVE		 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460		 PROJECT ENGINEER: K. MEYER		06/17/25 DATE PROJECT ENGINEER: K. MEYER	
DRAWING E-2						SUBMITTED BY K. MEYER DESIGNED K. MEYER DRAWN S. YONG		06/17/2025 DATE CIP NO. 20006 GRID NO. N/A FILE NO. HSPIL-5242(036)	
SHEET: 17 OF 27						NO. REVISIONS			
SCALE 1"=10'									
HORIZ VERT N/A									



KEY NOTES: (THIS SHEET ONLY)

- 1

FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL B ON SHEET E-6 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.
- 2

FURNISH AND INSTALL RRFB AID ASSEMBLY ON 2 POST. SEE DETAIL C ON SHEET E-5 FOR ASSEMBLY DETAILS. SEE DETAIL B ON SHEET E-8 FOR POLE LOCATION.
- 3

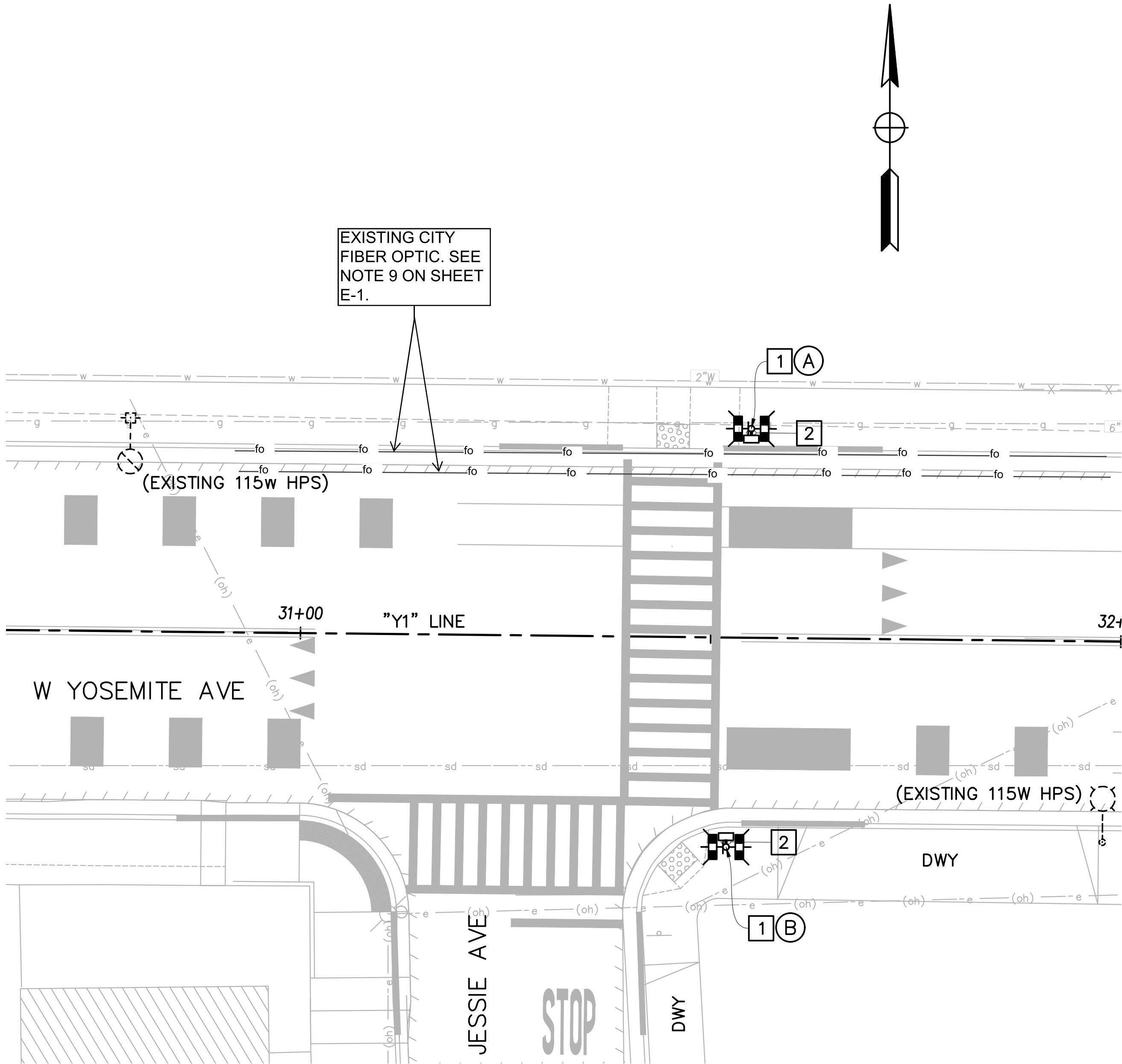
FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL B ON SHEET E-7 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.
- 4

INSTALL 1.5"C, 1 AID CABLE.
- 5

INSTALL 2"C, MT.

EQUIPMENT SCHEDULE				
Loc	STANDARD	AID		REMARKS
	TYPE	ARROW	QUADRANT	
(A)	1-B (15')			SEE NOTE 1
(B)	2 POST	LEFT	EAST	SEE NOTE 2
(C)	1-B (16')	RIGHT	EAST	SEE NOTE 3

ELECTRICAL	PLANS FOR THE CONSTRUCTION OF		YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT		RECTANGULAR RAPID FLASHING BEACON SYSTEM		W YOSEMITE AVE AND GOODALE CT		
	DRAWING	E-3		SHEET: 18 OF 27		SCALE: 1"=10'		VERT: N/A	
	DATE		06/17/2025		DATE		06/17/25		
	SUBMITTED BY		K.MEYER		DESIGNED		K.MEYER		
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
GRID NO.		GRID NO.		GRID NO.		GRID NO.		GRID NO.	
CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
GRID NO.		GRID NO.		GRID NO.		GRID NO.		GRID NO.	
CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
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CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
GRID NO.		GRID NO.		GRID NO.		GRID NO.		GRID NO.	
CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
GRID NO.		GRID NO.		GRID NO.		GRID NO.		GRID NO.	
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DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
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CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
GRID NO.		GRID NO.		GRID NO.		GRID NO.		GRID NO.	
CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		APPROVAL		APPROVAL		APPROVAL	
FILE NO.		FILE NO.		FILE NO.		FILE NO.		FILE NO.	
GRID NO.		GRID NO.		GRID NO.		GRID NO.		GRID NO.	
CIP NO.		CIP NO.		CIP NO.		CIP NO.		CIP NO.	
DATE		DATE		DATE		DATE		DATE	
SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY		SUBMITTED BY	
K.MEYER		K.MEYER		K.MEYER		K.MEYER		K.MEYER	
NO.		NO.		NO.		NO.		NO.	
BY		BY		BY		BY		BY	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL							



EXISTING CITY
FIBER OPTIC. SEE
NOTE 9 ON SHEET
E-1.

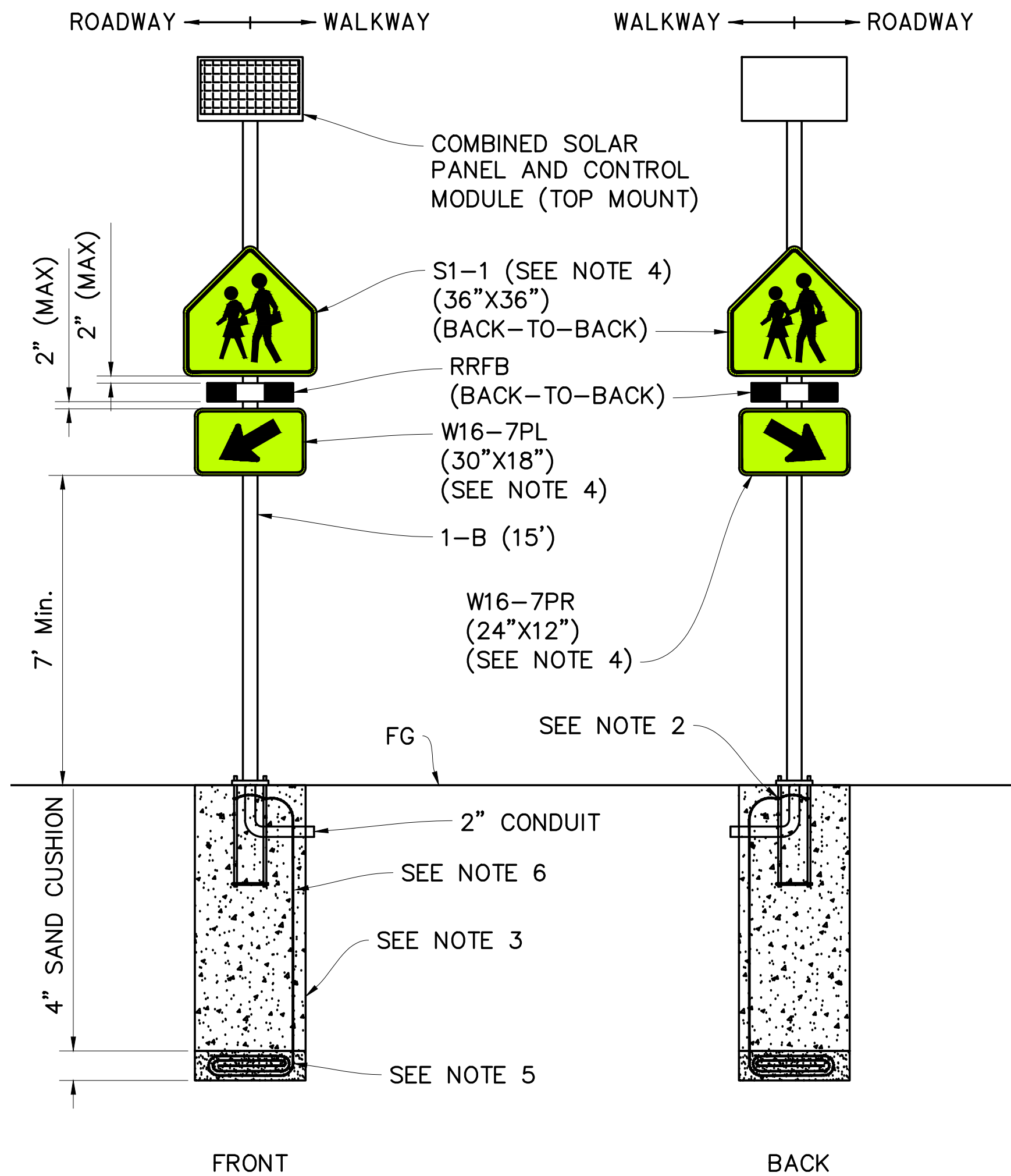


KEY NOTES: (THIS SHEET ONLY)

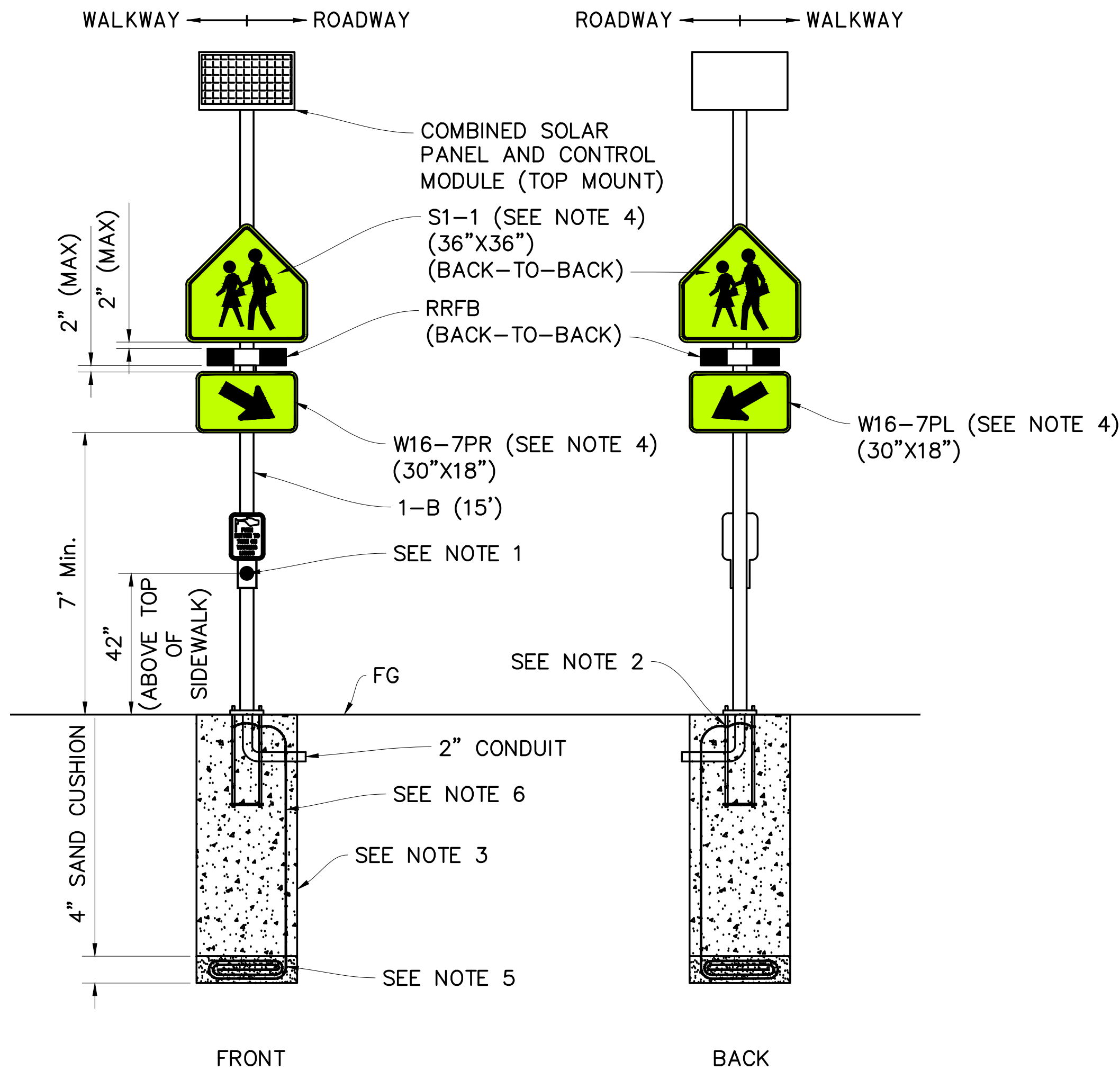
- 1 FURNISH AND INSTALL SOLAR RRFB ASSEMBLY ON 1-B POLE. SEE DETAIL A ON SHEET E-6 FOR ASSEMBLY DETAILS. SEE DETAIL A ON SHEET E-8 FOR POLE LOCATION.
- 2 INSTALL 2" C, MT.

EQUIPMENT SCHEDULE				
Loc	STANDARD	AID		REMARKS
	TYPE	ARROW	QUADRANT	
(A)	1-B (15')	RIGHT	WEST	SEE NOTE 1
(B)	1-B (15')	LEFT	WEST	SEE NOTE 1

ELECTRICAL		PLANS FOR THE CONSTRUCTION OF		YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT		RECTANGULAR RAPID FLASHING BEACON SYSTEM		W YOSEMITE AVE AND JESSIE AVE		 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460		 06/17/25 DATE PROJECT ENGINEER: K. MEYER		<table><tr><td colspan="2">K. MEYER</td><td>DATE</td><td>06/17/2025</td></tr><tr><td colspan="2">SUBMITTED BY</td><td>CIP NO.</td><td>20006</td></tr><tr><td colspan="2">DESIGNED</td><td>GRID NO.</td><td>N/A</td></tr><tr><td colspan="2">DRAWN</td><td>FILE NO.</td><td>HSPL-5242(036)</td></tr><tr><td>NO.</td><td colspan="3">REVISIONS</td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> </td></tr><tr><td> </td><td colspan="3"> 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MEYER		DATE	06/17/2025	SUBMITTED BY		CIP NO.	20006	DESIGNED		GRID NO.	N/A	DRAWN		FILE NO.	HSPL-5242(036)	NO.	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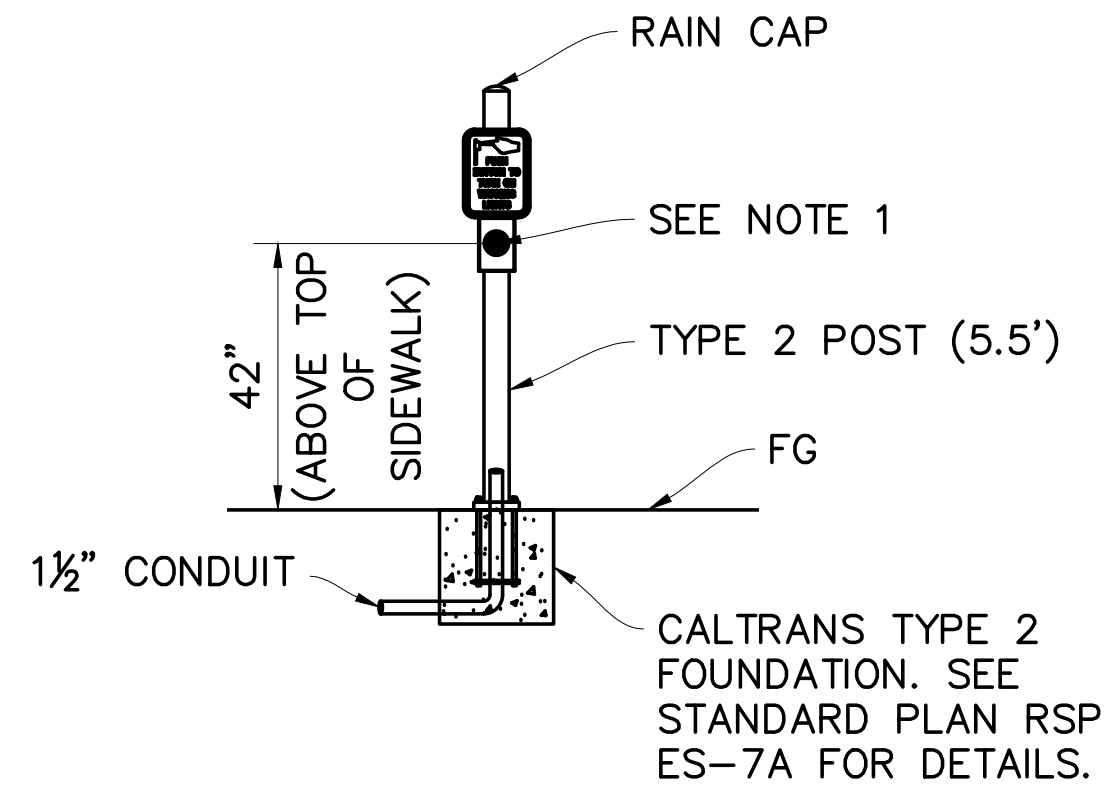
DETAIL A
RRFB ASSEMBLY
SOLAR POWER + DOUBLE-SIDED
NO SCALE



DETAIL B
RRFB ASSEMBLY
SOLAR POWER + DOUBLE-SIDED + AID
NO SCALE

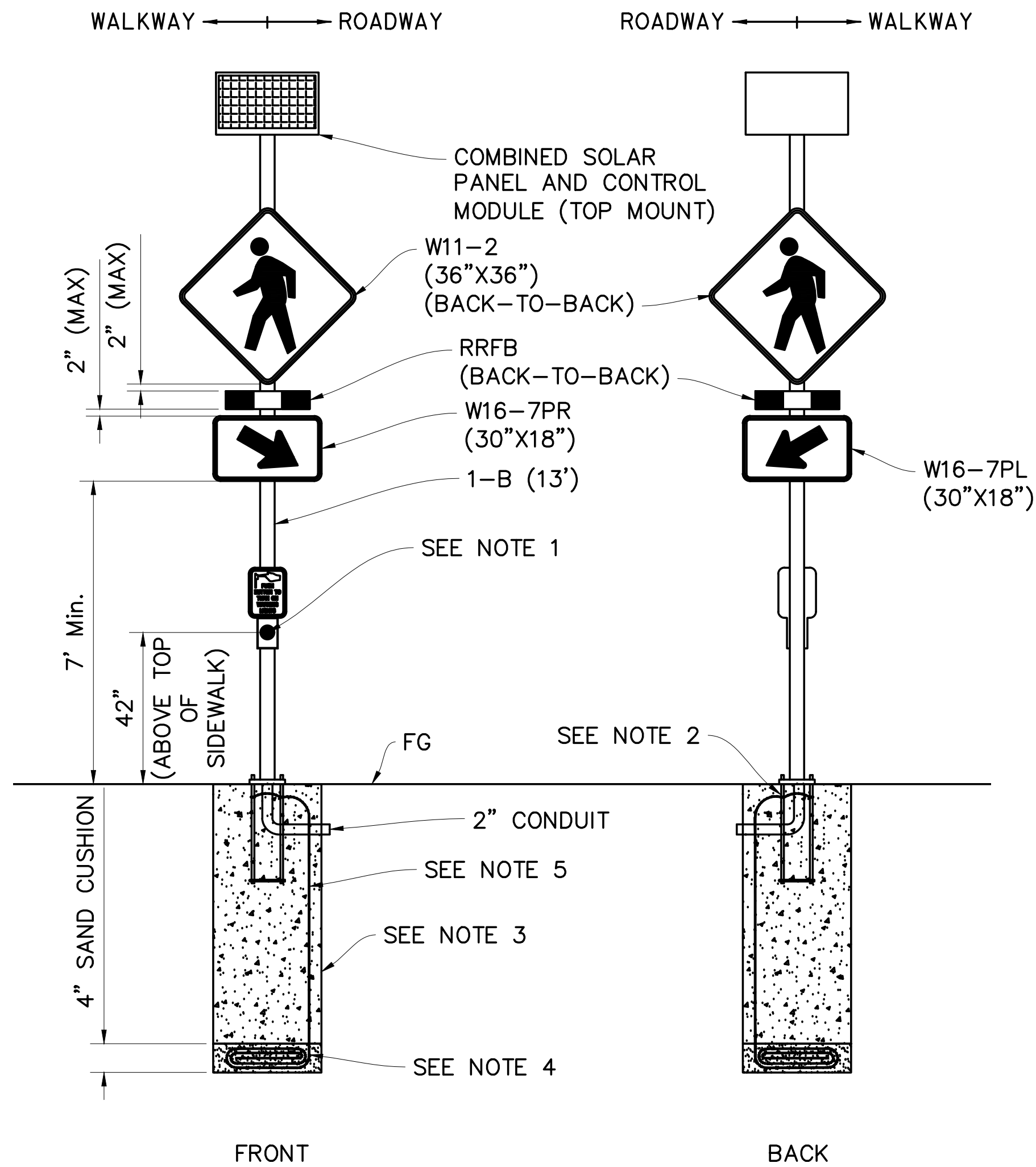
NOTES:

1. AID WITH R10-25 SIGN (9"x12"). AID MODULE SHALL BE PARALLEL TO CROSSWALK WITH ARROW POINTING TOWARDS CROSSWALK. CENTER OF AID PUSH BUTTON SHALL BE PLACED 42" ABOVE SIDEWALK. SEE POLE AND EQUIPMENT SCHEDULE FOR POLE QUADRANT AND ARROW DIRECTION.
2. GROUNDING CLAMPS (Typ) UL LISTED. INSTALL GROUNDING CLAMPS ON ANCHOR BOLTS.
3. CALTRANS TYPE 1-B FOUNDATION. SEE STANDARD PLAN RSP E-7B AND ES-7N FOR DETAILS.
4. SIGN TO BE FLUORESCENT YELLOW-GREEN (FYG).
5. MINIMUM 12" DIAMETER SPIRAL COIL OF 25' MINIMUM No. 8 BARE COPPER WIRE.
6. No. 8 BARE COPPER WIRE FOR GROUNDING.



DETAIL C
RRFB AID ASSEMBLY
NO SCALE

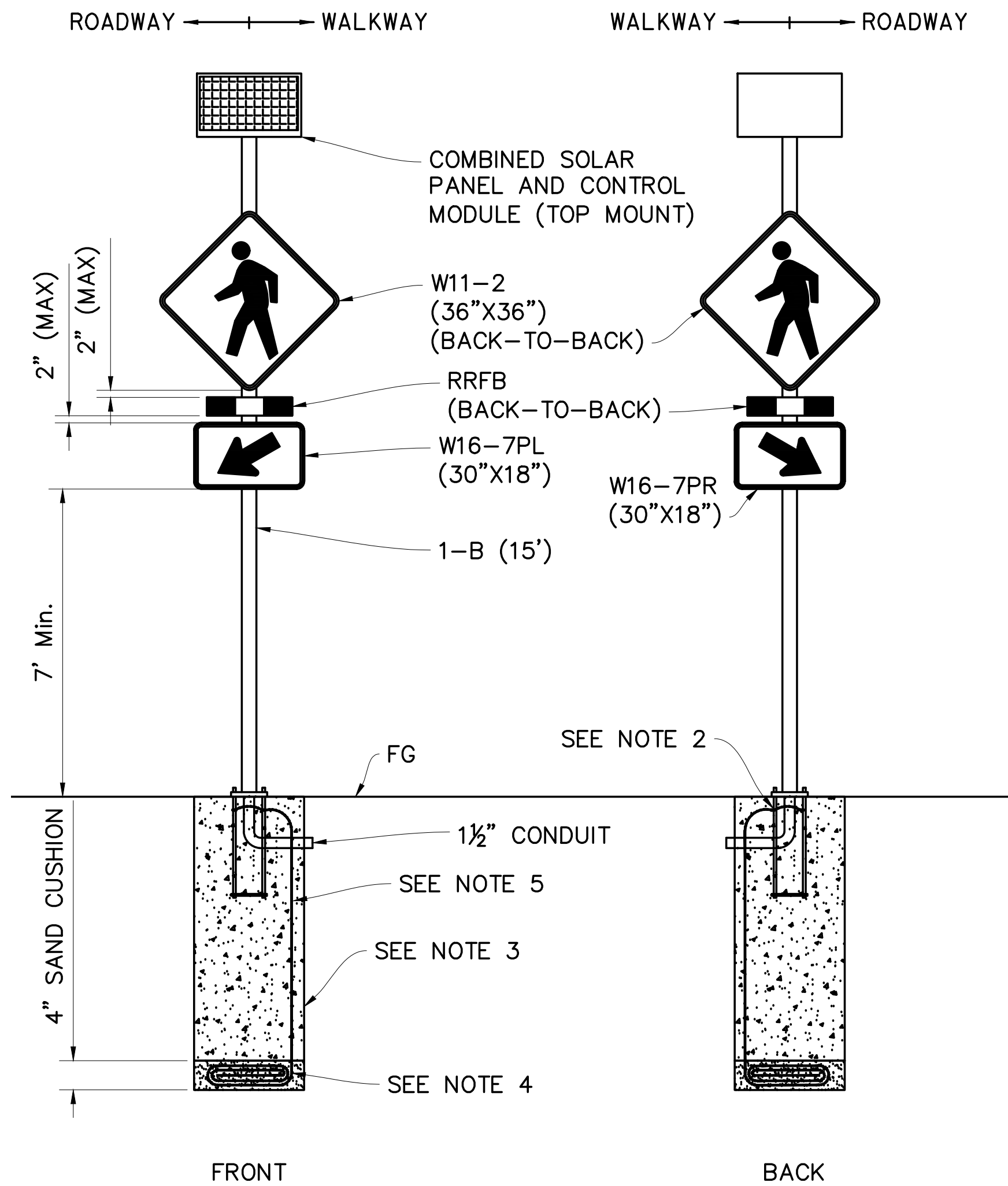
ELECTRICAL	PLANS FOR THE CONSTRUCTION OF				DATE		06/17/2025	DATE	06/17/2025
	YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT				SUBMITTED BY		K. MEYER	CIP NO.	
	ELECTRICAL DETAILS				DESIGNED		K. MEYER	GRID NO.	
	ELECTRICAL				DRAWN		S. VONG	FILE NO.	
DRAWING	E-5				NO.		REVISIONS	HSIPL-5242(036)	
	20 OF 27				BY		DATE	N/A	
	SCALE				APPROVAL		DATE	20006	
	NO SCALE				PROJECT ENGINEER:		K. MEYER	DATE	
VERT	N/A				CITY OF MANTECA		DEPARTMENT OF ENGINEERING	DATE	
	1000 W. CENTER ST.				MANTECA, CA 95337		(209) 456-8460	DATE	
	NO SCALE				PROJECT ENGINEER:		K. MEYER	DATE	
	N/A				CITY OF MANTECA		DEPARTMENT OF ENGINEERING	DATE	



DETAIL A
RRFB ASSEMBLY
SOLAR POWER + DOUBLE-SIDED + AID
NO SCALE

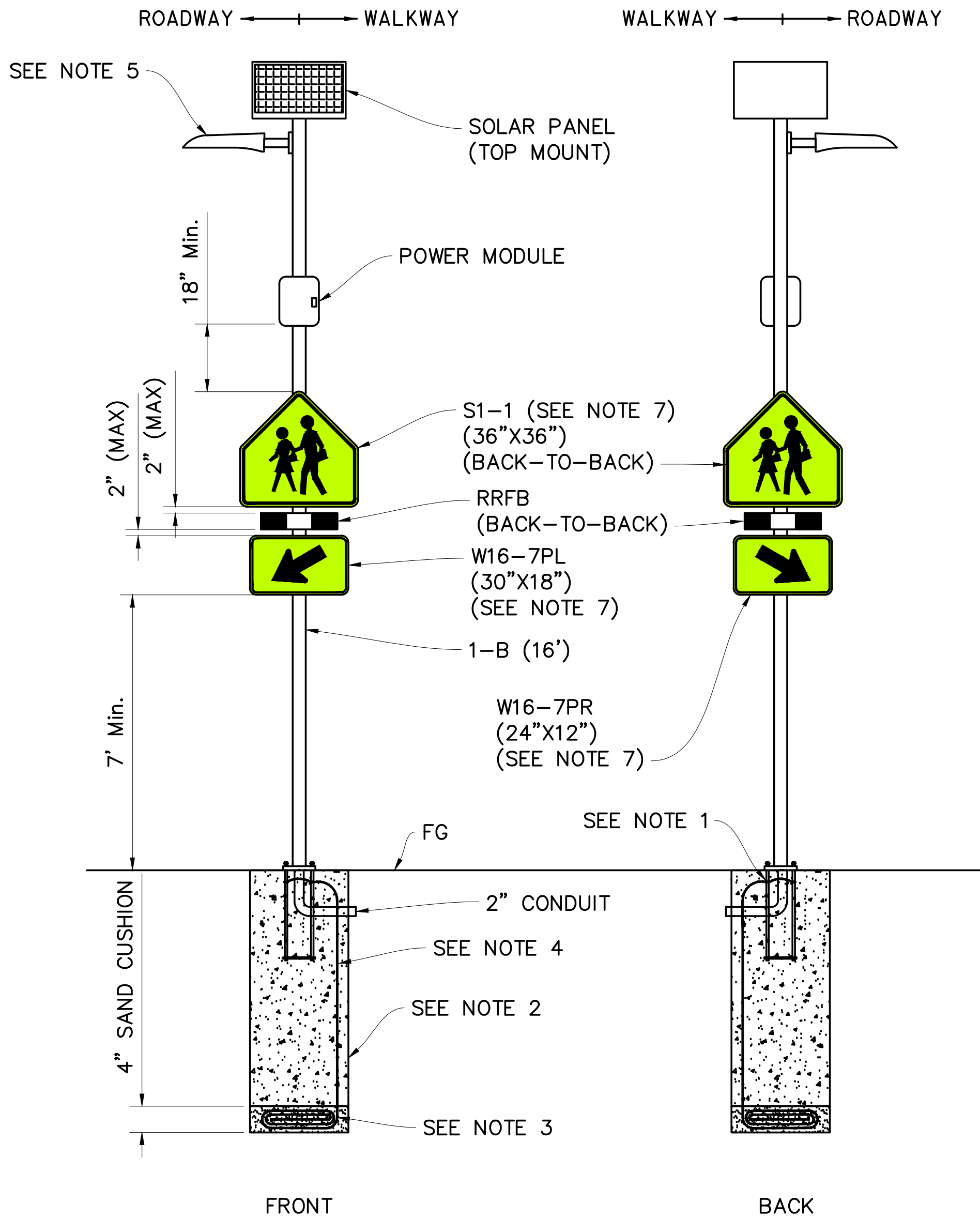
NOTES:

1. AID WITH R10-25 SIGN (9"x12"). AID MODULE SHALL BE PARALLEL TO CROSSWALK WITH ARROW POINTING TOWARDS CROSSWALK. CENTER OF AID PUSH BUTTON SHALL BE PLACED 42" ABOVE SIDEWALK. SEE POLE AND EQUIPMENT SCHEDULE FOR POLE QUADRANT AND ARROW DIRECTION.
2. GROUNDING CLAMPERS (Typ) UL LISTED. INSTALL GROUNDING CLAMPERS ON ANCHOR BOLTS.
3. CALTRANS TYPE 1-B FOUNDATION. SEE STANDARD PLAN RSP E-7B AND ES-7N FOR DETAILS.
4. MINIMUM 12" DIAMETER SPIRAL COIL OF 25' MINIMUM No. 8 BARE COPPER WIRE.
5. No. 8 BARE COPPER WIRE FOR GROUNDING.



DETAIL B
RRFB ASSEMBLY
SOLAR POWER + DOUBLE-SIDED
NO SCALE

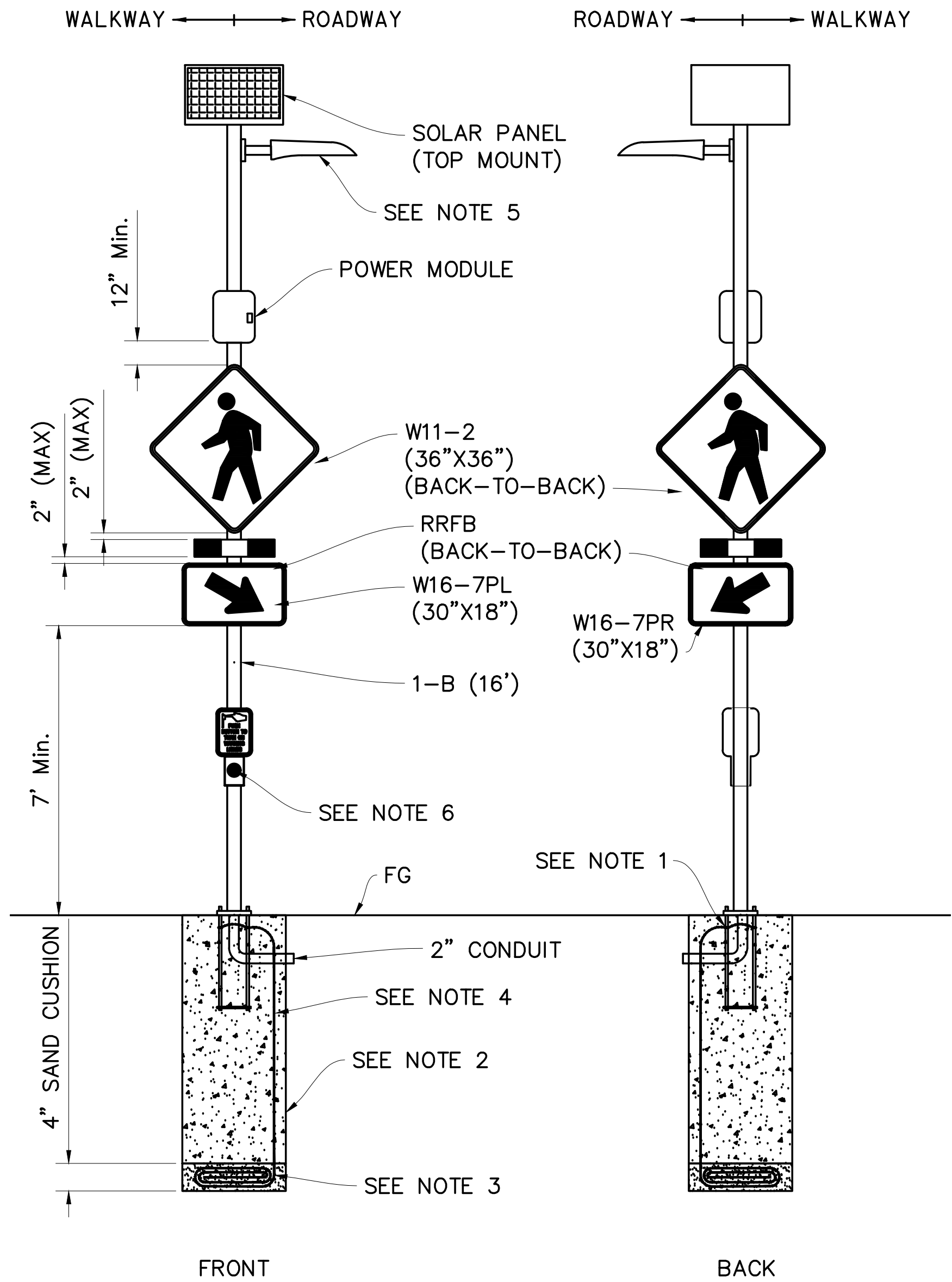
ELECTRICAL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT ELECTRICAL DETAILS										 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460				 PROJECT ENGINEER: K. MEYER				DATE 06/17/2025		DATE 06/17/2025		DATE 06/17/2025	
DRAWING E-6												SUBMITTED BY K. MEYER		DESIGNED K. MEYER		GRID NO. N/A		FILE NO. HSIPL-5242(036)							
SHEET: 21 OF 27												DRAWN S. VONG		NO. REVISIONS		APPROVAL BY DATE									
SCALE NO SCALE																									
HORIZ VERT																									
N/A																									



DETAIL A
RRFB ASSEMBLY
SOLAR POWER + DOUBLE-SIDED + LUMINAIRE
NO SCALE

NOTES:

1. GROUNDING CLAMPS (Typ) UL LISTED. INSTALL GROUNDING CLAMPS ON ANCHOR BOLTS.
2. CALTRANS TYPE 1-B FOUNDATION. SEE STANDARD PLAN RSP E-7B AND ES-7N FOR DETAILS.
3. MINIMUM 12" DIAMETER SPIRAL COIL OF 25' MINIMUM No. 8 BARE COPPER WIRE.
4. No. 8 BARE COPPER WIRE FOR GROUNDING.
5. LED LUMINAIRE FACING CROSSWALK. LED LUMINAIRE SHALL BE SUPPLIED BY RRFB MANUFACTURER TO WORK WITH SOLAR RRFB SYSTEM.
6. AID WITH R10-25 SIGN (9"X12"). AID MODULE SHALL BE PARALLEL TO CROSSWALK WITH ARROW POINTING TOWARDS CROSSWALK. CENTER OF AID PUSH BUTTON SHALL BE PLACED 42" ABOVE SIDEWALK. SEE POLE AND EQUIPMENT SCHEDULE FOR POLE QUADRANT AND ARROW DIRECTION
7. SIGN TO BE FLUORESCENT YELLOW-GREEN (FYG).



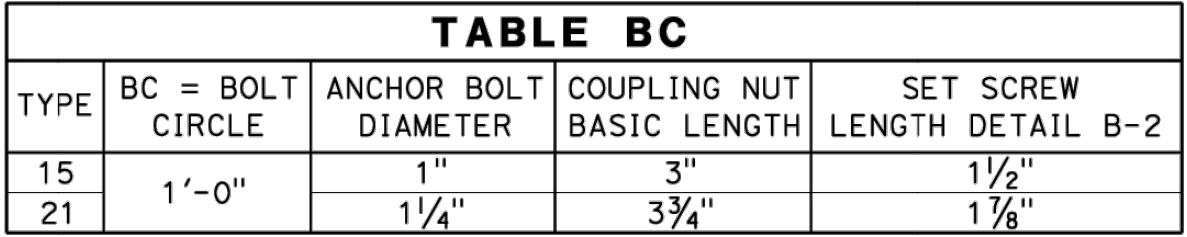
DETAIL B
RRFB ASSEMBLY
SOLAR POWER + DOUBLE-SIDED + AID + LUMINAIRE
NO SCALE

ELECTRICAL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT ELECTRICAL DETAILS										 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460				 06/17/25 DATE PROJECT ENGINEER: K. MEYER				K. MEYER 06/17/2025 DATE CIP NO. DESIGNED K. MEYER DRAWN S. VONG FILE NO. HSIPL-5242(036) NO. REVISIONS APPROVAL BY DATE				06/17/2025				20006				N/A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
DRAWING		E-7		SHEET: 22 OF 27		SCALE		NO SCALE		HORIZ		VERT		N/A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									



1. SEE RRFB PLANS FOR POLE AND EQUIPMENT SCHEDULE AND ASSEMBLY DETAILS.
2. POLE WITH AID SHALL BE PLACED SUCH THAT THE FINAL LOCATION ALLOWS FOR 10-INCH MAXIMUM PEDESTRIAN REACH FROM ADJACENT LEVEL LANDING AND BE IN COMPLIANCE WITH ADA REQUIREMENTS.

[illegible]



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Stanley P. Johnson
REGISTERED CIVIL ENGINEER

April 21, 2025
PLANS APPROVAL DATE

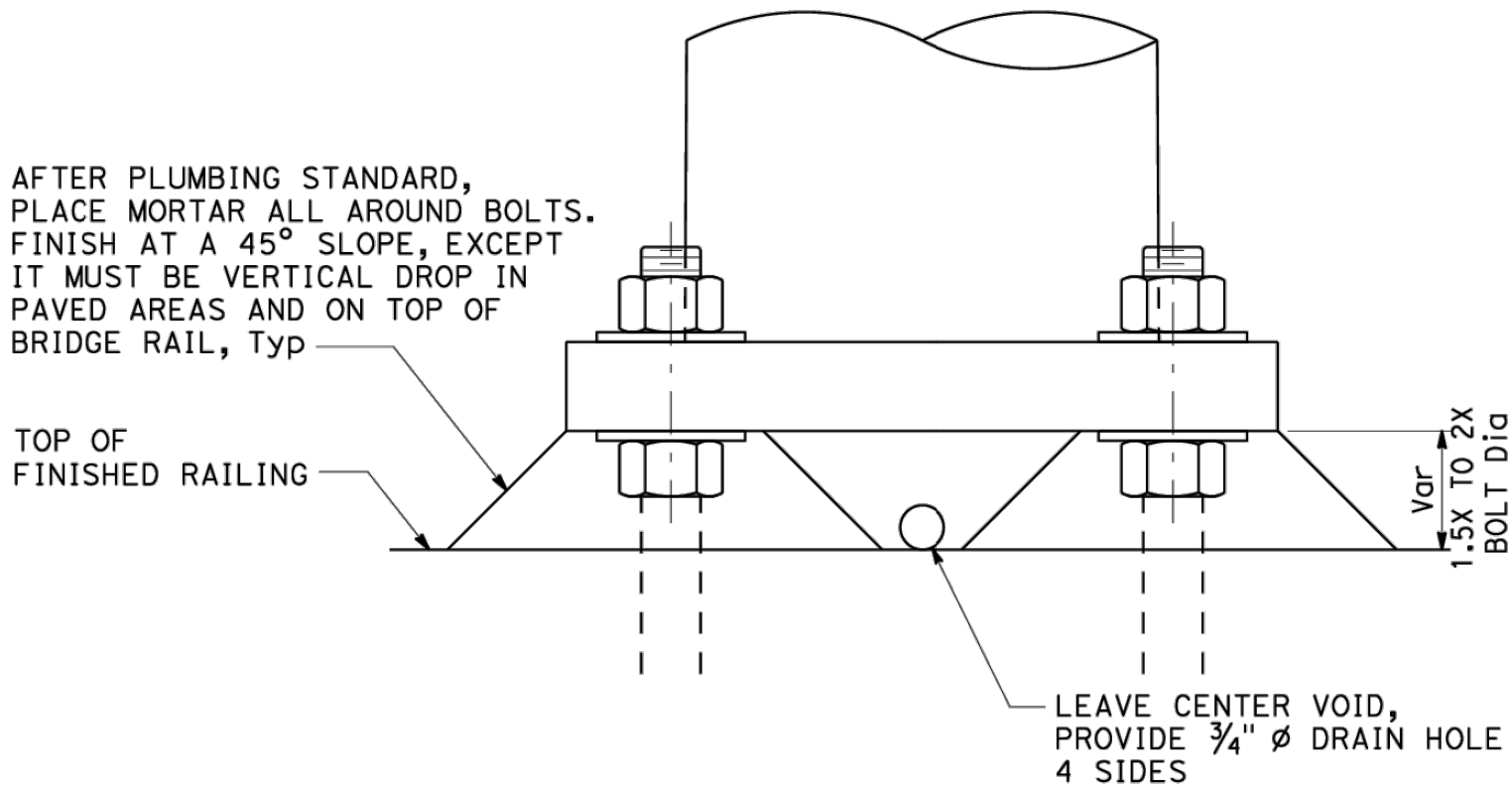
THE STATE OF CALIFORNIA OR ITS OFFICERS
OR EMPLOYEES SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Stanley P. Johnson
No. C57793
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED

NOTES:

1. Anchor bolt or stud length shall be such that thread extends $\frac{1}{2}$ " maximum above nut on level base plate after grouting, see Detail N.
2. Electrolier anchor bolts shall be held in position for pouring by means of anchor plates and suitable templates. Deviation from the true position, vertical and height shall not exceed $\frac{1}{16}$ ".
3. See railing sheets for reinforcement and structural details at electroliers and pull boxes.



GROUTING AT ELECTROLIER

DETAIL N

ELECTROLIER ANCHORAGES
DETAIL B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(ELECTROLIER ANCHORAGE AND GROUTING
FOR TYPE 15 AND TYPE 21
BARRIER RAIL MOUNTED)**

NO SCALE

RSP ES-6B DATED APRIL 21, 2025 SUPERSEDES STANDARD PLAN ES-6B
DATED SEPTEMBER 20, 2024 - PAGE 565 OF THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP ES-6B

2024 REVISED STANDARD PLAN RSP ES-6B

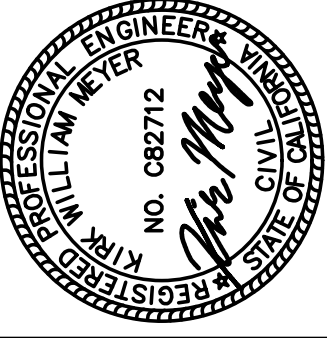
11-4-24

PLANS FOR THE CONSTRUCTION OF

YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT ELECTRICAL DETAILS



CITY OF MANTECA
DEPARTMENT OF ENGINEERING
1001 W CENTER ST
MANTECA, CA 95337
(209) 456-8460



DATE

PROJECT ENGINEER:

PROJECT
K.MFYR[illegible]

ELECTRICAL

DRAWING

SHEET: 24 OF 27

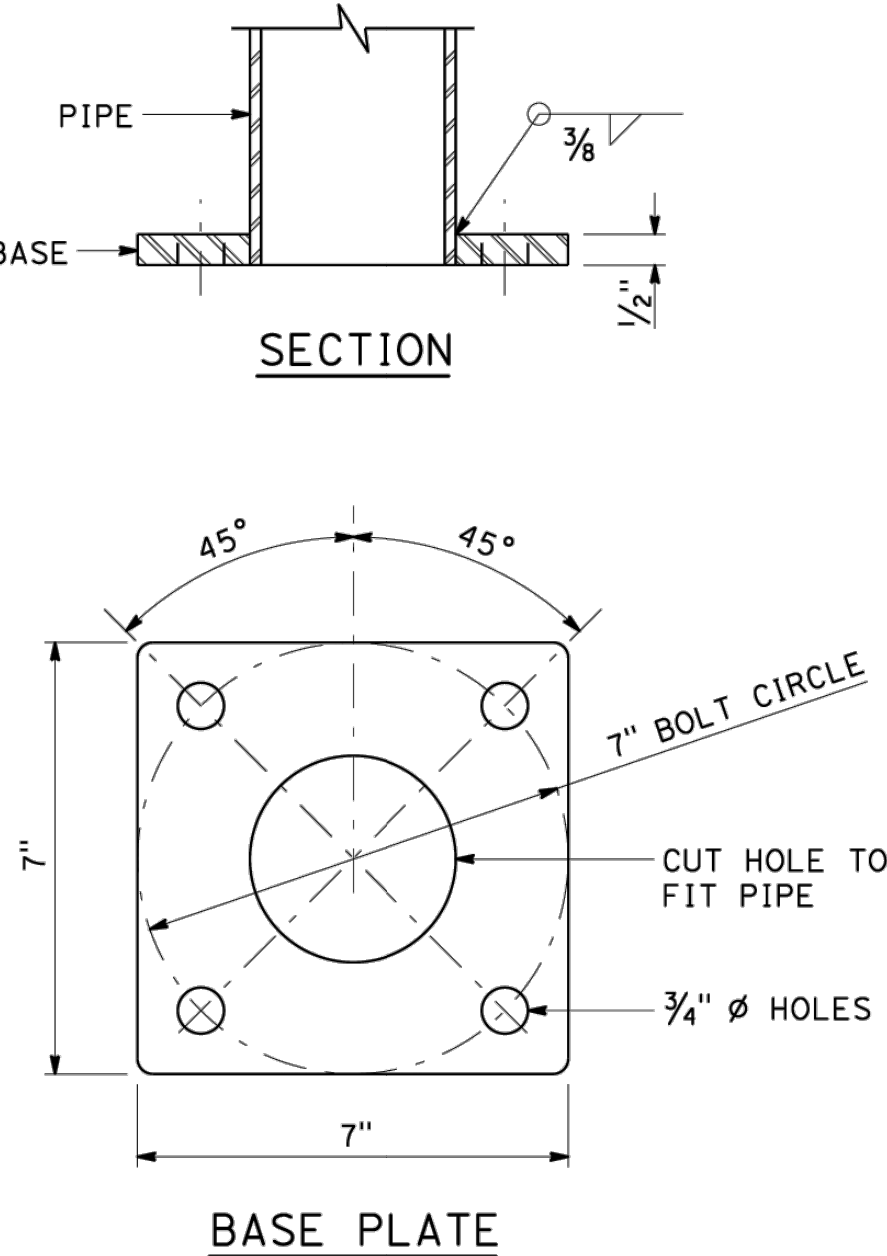
HORZ NO SCALE

VERT N/A

TO ACCOMPANY PLANS DATED _____

NOTES:

- For additional notes, details and data for Types 15TS and 21TS Standards, see Revised Standard Plan RSP ES-6A.
- Handhole shall be located on the downstream side of traffic.



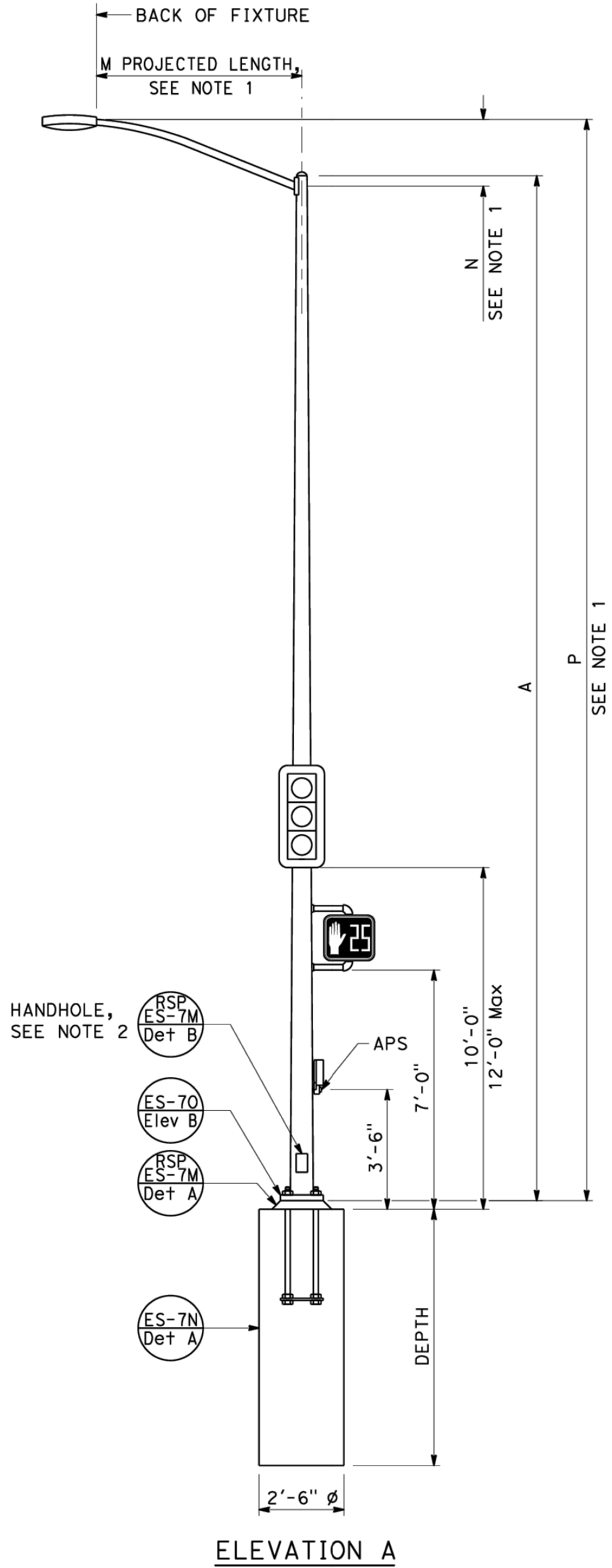
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(SIGNAL AND LIGHTING STANDARD,
TYPE TS, AND TYPE 2 POST)

NO SCALE

RSP ES-7A DATED APRIL 21, 2025 SUPERSEDES STANDARD PLAN ES-7A
DATED SEPTEMBER 20, 2024 - PAGE 571 OF THE STANDARD PLANS BOOK DATED 2024.

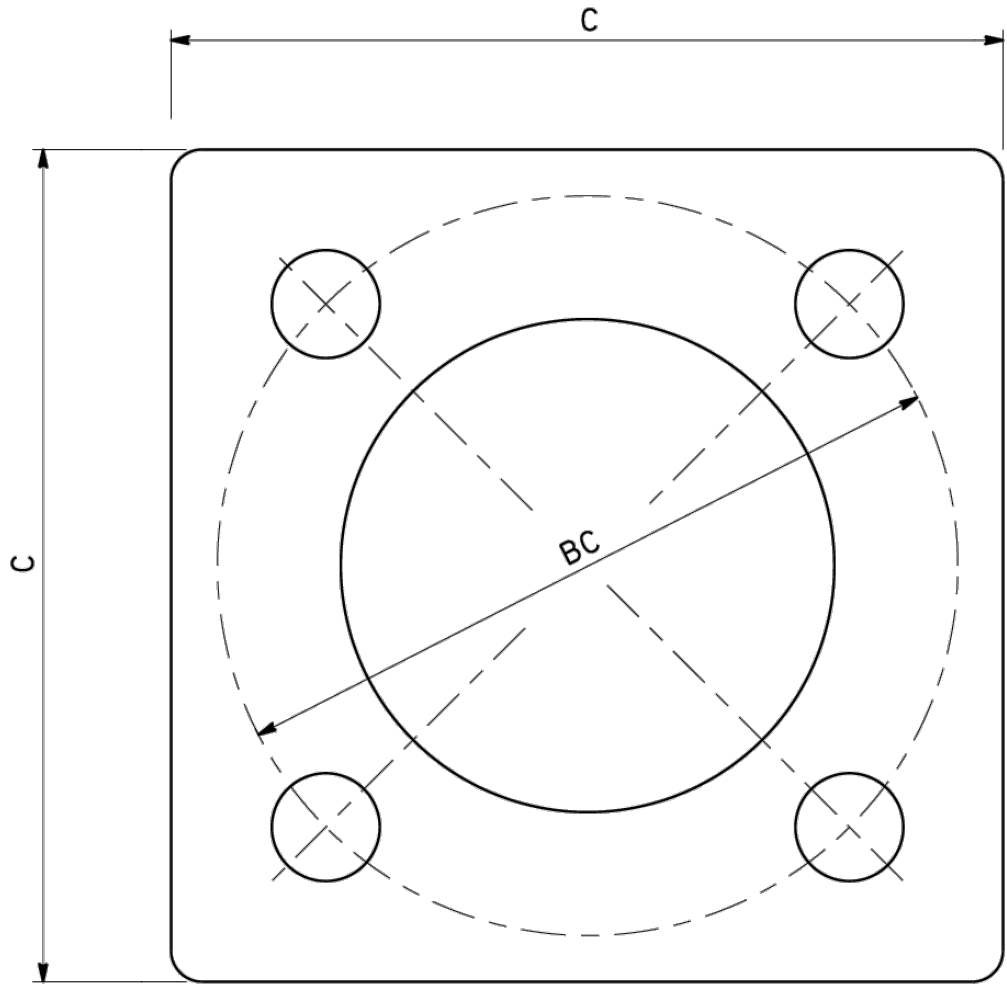
REVISED STANDARD PLAN RSP ES-7A

POLE DATA				BASE PLATE DATA				CIDH	
POLE TYPE	A HEIGHT	Min OD		WALL THICKNESS	C	BC	THICKNESS	ANCHOR BOLT SIZE	DEPTH
		BASE	TOP						
15TS	30'-0"	8"	3 11⁄16"	0.1793"	1'-1 1⁄2"	1'-0"	2"	1 1⁄2" ∅ x 42"	7'-6"
21TS	35'-0"	9 3⁄8"	3 3⁄16"		1'-3"	1'-2"			8'-6"

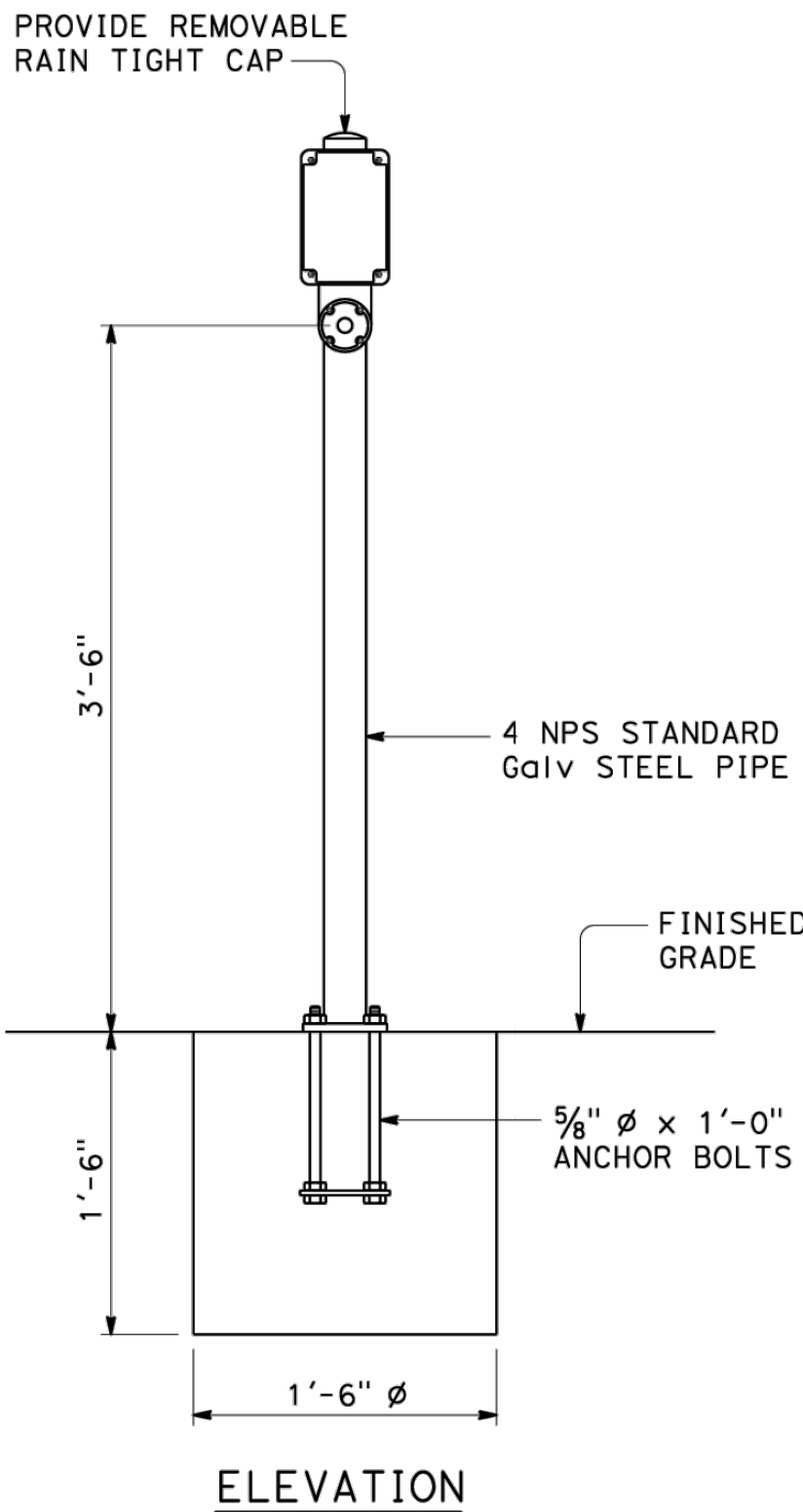


TYPES 15TS AND 21TS STANDARD

See Note 1

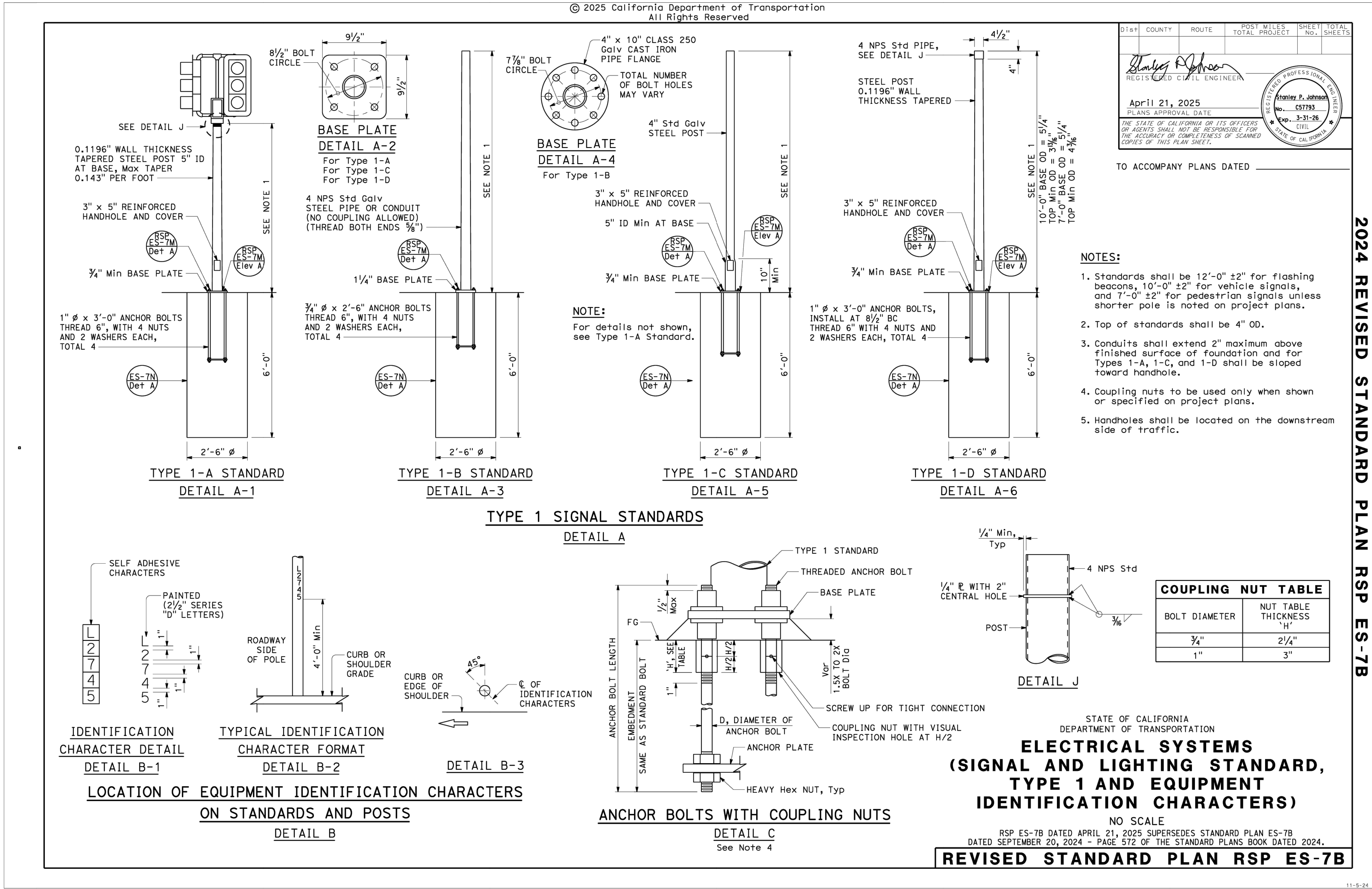


BASE PLATE
TYPE 15TS AND 21TS
DETAIL A

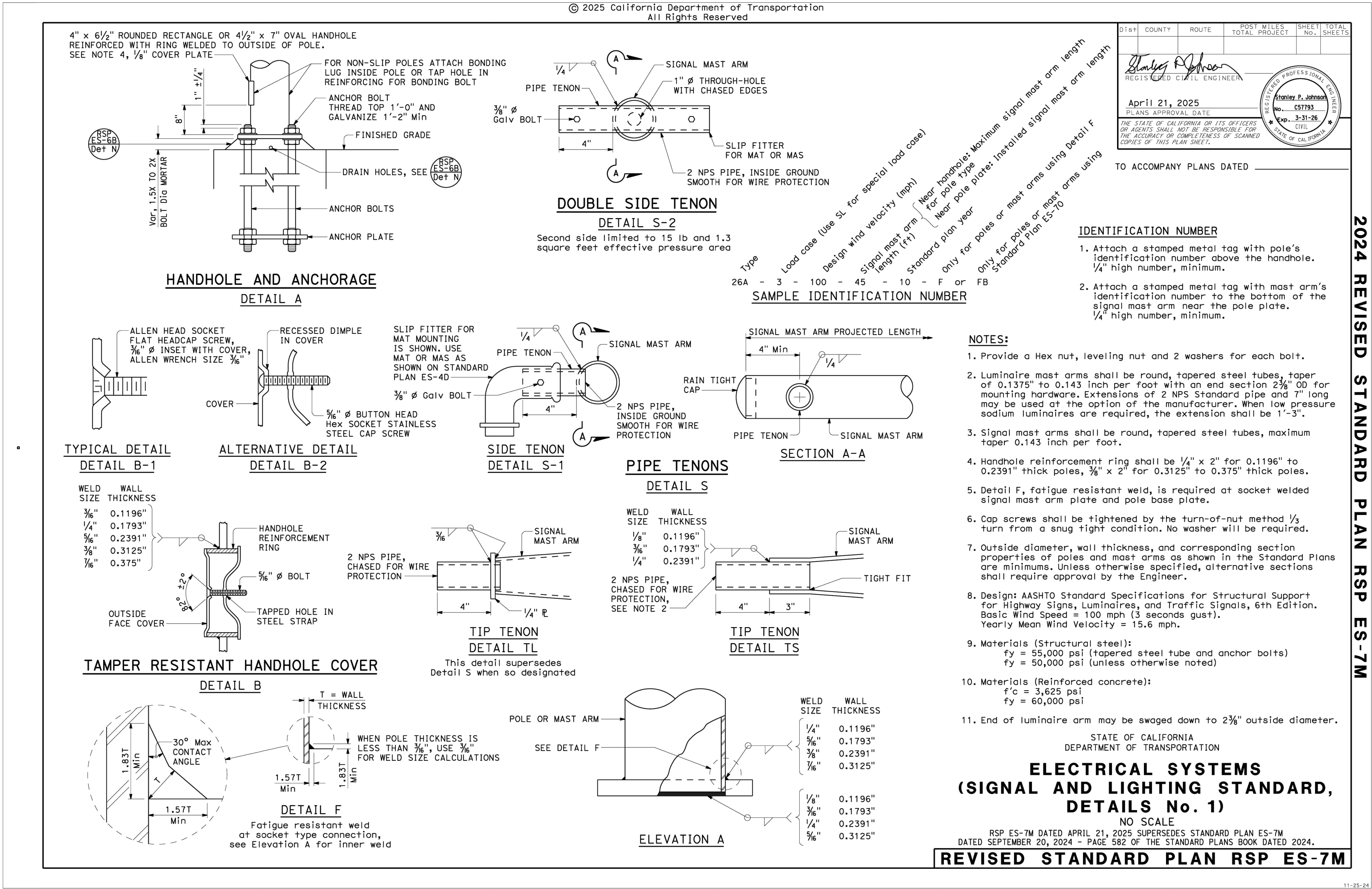


TYPE 2 POST
DETAIL B

[illegible]



ELECTRICAL		PLANS FOR THE CONSTRUCTION OF YOSEMITE AVENUE BIKE AND PEDESTRIAN IMPROVEMENT PROJECT ELECTRICAL DETAILS										 CITY OF MANTECA DEPARTMENT OF ENGINEERING 1001 W CENTER ST MANTECA, CA 95337 (209) 456-8460										 06/17/25 DATE PROJECT ENGINEER: K.MEYER										<table><tr><td colspan="2">SUBMITTED BY</td><td colspan="2">DATE</td><td colspan="2">DATE</td></tr><tr><td>K.MEYER</td><td></td><td>06/17/2025</td><td></td><td>DATE</td><td>06/17/2025</td></tr><tr><td>DESIGNED</td><td>K.MEYER</td><td></td><td></td><td>CIP NO.</td><td>20006</td></tr><tr><td>DRAWN</td><td>S.VONG</td><td></td><td></td><td>GRID NO.</td><td>N/A</td></tr><tr><td>NO.</td><td>REVISIONS</td><td></td><td></td><td>FILE NO.</td><td>HSPIL-5242(036)</td></tr><tr><td></td><td></td><td></td><td></td><td>APPROVAL</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>BY</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>DATE</td><td></td></tr></table>										SUBMITTED BY		DATE		DATE		K.MEYER		06/17/2025		DATE	06/17/2025	DESIGNED	K.MEYER			CIP NO.	20006	DRAWN	S.VONG			GRID NO.	N/A	NO.	REVISIONS			FILE NO.	HSPIL-5242(036)					APPROVAL						BY						DATE	
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DRAWING E-12		SHEET: 27 OF 27		SUBMITTED BY K. MEYER DESIGNED K. MEYER DRAWN S. YONG NO. REVISIONS		DATE 06/17/2025 CIP NO. 20006 GRID NO. N/A FILE NO. HSPIL-5242(036)	
SCALE NO SCALE VERT N/A				APPROVAL BY DATE			