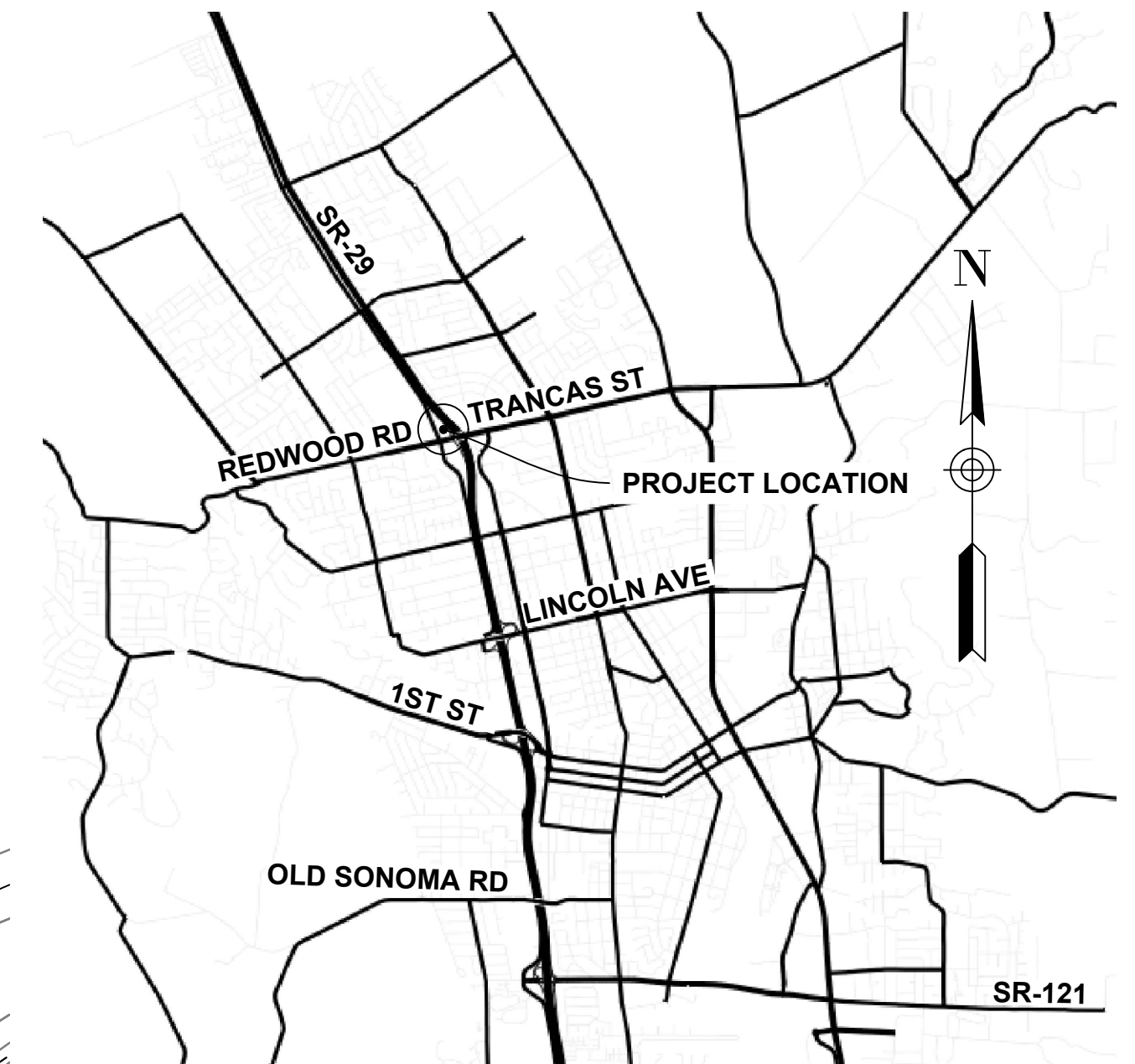


REDWOOD PARK AND RIDE CAPITAL IMPROVEMENTS

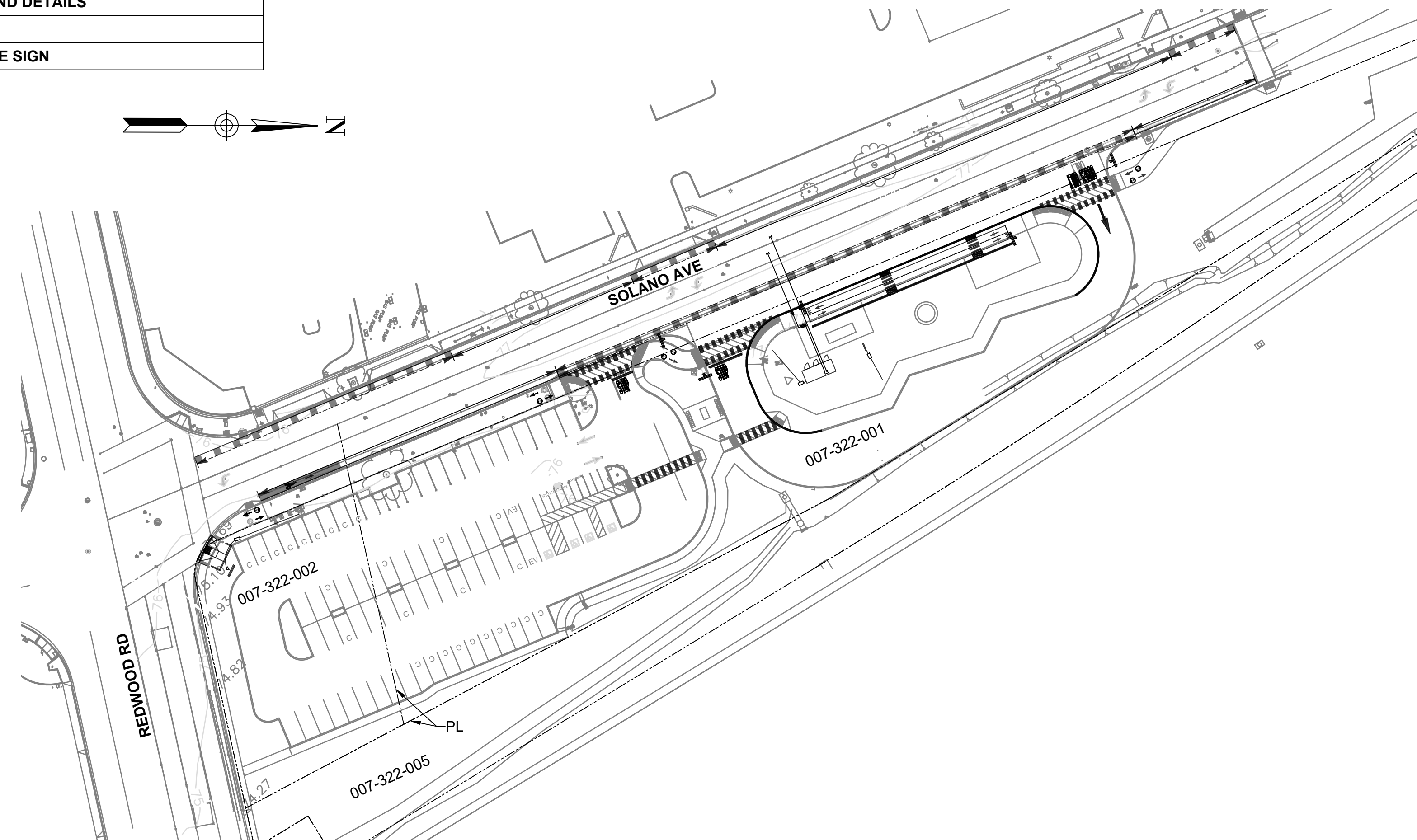
FOR NAPA VALLEY TRANSPORTATION AUTHORITY



VICINITY MAP
NOT TO SCALE

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APN: 007-322-001 (3416 SOLANO AVENUE)
APN: 007-322-002 (2000 REDWOOD ROAD)
PROJECT No. 25-C17



SITE PLAN
1" = 50'



APPROVED BY GRANT BAILEY DATE
ENGINEERING PROGRAM MANAGER
NAPA VALLEY TRANSPORTATION AUTHORITY

PLOT DATE: Jun 24, 2025 - 10:46am FILE: T:\O\TYLin-04K\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-06E12-ED05_01_T.dwg

No.	DATE	REVISION	BY	APPD

 1111 BROADWAY SUITE 1450 OAKLAND, CALIFORNIA 94607 PHONE (510) 457-3030 FAX (510) 457-3055	 REGISTERED PROFESSIONAL ENGINEER M. S. ALIKHAN	 625 BURNELL STREET NAPA, CA 94559 www.nvta.ca.gov APPROVED - PRINCIPAL ENGINEER	REDWOOD PARK AND RIDE CAPITAL IMPROVEMENTS PROJECT TITLE SHEET NAPA VALLEY TRANSPORTATION AUTHORITY	PROJECT NUMBER: 25-C17 FEDERAL PROJECT: N/A DESIGNED BY: M. ALIKHAN DRAWN BY: M. STICKELMAIER	CHECKED BY: S. HUYNH DATE: 06/2025	SCALE: AS SHOWN 0 ----- 1" NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	DRAWING: T-1 SHEET 1 OF 18
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NAPA VALLEY TRANSPORTATION AUTHORITY GENERAL NOTES:

- ALL WORKMANSHIP AND MATERIALS FOR BOTH ON-SITE AND OFF-SITE IMPROVEMENT SHALL CONFORM TO THE 2024 STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS. THE ON-SITE IMPROVEMENTS SHALL BE INSPECTED BY THE NAPA VALLEY TRANSPORTATION AUTHORITY INSPECTOR.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR BEING FAMILIAR WITH THE PROVISIONS AND REQUIREMENTS CONTAINED IN THE 2024 CALTRANS STANDARD SPECIFICATIONS AND THE 2022 CITY OF NAPA STANDARD SPECIFICATIONS. CONTRACTOR SHALL HAVE A COPY AVAILABLE AT THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SITE SECURITY, PERIMETER CONTROLS, AND SITE SAFETY DURING ALL PHASES OF CONSTRUCTION. A TEMPORARY 6' CHAIN LINK FENCE WITH OPAQUE SCREENING SHALL BE USED FOR SITE SECURITY UNLESS ANOTHER METHOD IS SUBMITTED AND APPROVED FOR USE BY THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE.
- CONTRACTOR SHALL NOTIFY THE NAPA VALLEY TRANSPORTATION AUTHORITY AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL REQUEST INSPECTIONS A MINIMUM OF 24 HOURS IN ADVANCE.
- THE CONTRACTOR SHALL CONTACT THE CITY OF NAPA WATER DIVISION (707-257-9544) AND ELECTRICAL DIVISION (707-257-9588), NAPA SANITATION DISTRICT, PACIFIC GAS AND ELECTRIC COMPANY, AT&T, AND UNDERGROUND SERVICE ALERT (USA) (811 OR 1-800-227-2600), AND ANY OTHER POTENTIALLY IMPACTED PUBLIC OR PRIVATE UTILITY COMPANIES A MINIMUM OF 48 HOURS BEFORE UNDERGROUND CONSTRUCTION IS PERFORMED, TO ASCERTAIN THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA UNLESS CITY ENCROACHMENT PERMIT SPECIFIES OTHERWISE. CONTRACTOR IS RESPONSIBLE FOR BLACKING OUT USA MARKINGS AFTER THE COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE EMERGENCY TELEPHONE NUMBERS TO THE CITY OF NAPA FIRE, POLICE, AND PUBLIC WORKS DEPARTMENTS AND THE NAPA VALLEY TRANSPORTATION AUTHORITY AND KEEP THEM INFORMED DAILY REGARDING STREETS UNDER CONSTRUCTION AND DETOURS. DETOURS SHALL NOT BE PERMITTED UNLESS APPROVED IN WRITING BY THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD. LOCATIONS OF UTILITIES AND UNDERGROUND FACILITIES SHOWN ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- DURING THE COURSE OF THE PROJECT CONSTRUCTION (INCLUDING NON-WORKING HOURS), THE CONTRACTOR SHALL PROVIDE APPROPRIATE SIGNAGE, FLASHERS AND BARRICADES FOR OPEN TRENCHES THAT ARE APPROVED BY THE CITY INSPECTOR TO WARN ONCOMING MOTORISTS, BICYCLISTS AND PEDESTRIANS OF POTENTIAL SAFETY HAZARDS.
- ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CONFORM TO EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
- CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY RELOCATIONS, IF REQUIRED WITH THE APPROPRIATE UTILITY COMPANIES.
- FOR ALL CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CONTROL DUST IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF NAPA 2022 STANDARD SPECIFICATIONS AND STANDARD PLANS - GENERAL PROVISIONS; SECTION 10 OF THE CALTRANS STANDARD SPECIFICATIONS; THE CALTRANS 2024 CONSTRUCTION MANUAL (CHAPTER 4- CONSTRUCTION DETAILS-SECTION 10 DUST CONTROL); AND THE NPDES REQUIREMENTS. THE USE OF ANY CITY OF NAPA WATER FOR THIS PURPOSE SHALL BE FROM A METERED SOURCE THAT IS APPROVED BY THE CITY OF NAPA WATER DIVISION AND SHALL BE REQUESTED IN WRITING BY THE CONTRACTOR. CONTRACTOR SHALL ASSUME LIABILITY FOR CLAIMS RELATED TO WIND BLOWN MATERIAL. IF THE DUST CONTROL IS INADEQUATE AS DETERMINED BY THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE, THE CONSTRUCTION WORK SHALL BE TERMINATED UNTIL CORRECTIVE MEASURES ARE TAKEN.
- CONTRACTOR SHALL ELIMINATE OR MINIMIZE NON-STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE TO STORM DRAINS AND OTHER WATER BODIES. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A MANNER THAT MINIMIZES, TO THE MAXIMUM EXTENT PRACTICABLE, ANY POLLUTANTS ENTERING DIRECTLY OR INDIRECTLY INTO THE STORM WATER SYSTEM OR GROUNDWATER. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION MATERIALS (E.G., CLEANING FRESH CONCRETE FROM EQUIPMENT) ARE CONVEYED INTO THE STORM DRAIN SYSTEM. ALL MATERIALS THAT COULD CAUSE WATER POLLUTION (I.E., MOTOR OIL, FUELS, PAINTS, ETC.) SHALL BE STORED AND USED IN A MANNER THAT WILL NOT CAUSE ANY POLLUTION. ALL DISCARDED MATERIAL AND ANY ACCIDENTAL SPILLS SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL SITE. CONTRACTOR SHALL PROVIDE TO THE NAPA VALLEY TRANSPORTATION AUTHORITY PROPOSAL FOR THE PROJECT'S EROSION CONTROL PLAN AND SHALL PROVIDE A SCHEDULE FOR IMPLEMENTATION OF CONTROL MEASURES. CONTRACTOR SHALL MEET WITH NAPA VALLEY TRANSPORTATION AUTHORITY STAFF PRIOR TO START OF CONSTRUCTION TO REVIEW STATUS OF PROJECT'S EROSION CONTROL AND WATER POLLUTION MEASURES. CONTRACTOR SHALL MEET THE REQUIREMENTS OF DISCHARGING TO A PUBLIC STORM DRAINAGE SYSTEM AS REQUIRED TO ENSURE COMPLIANCE BY THE NAPA VALLEY TRANSPORTATION AUTHORITY WITH ALL STATE AND FEDERAL LAWS AND REGULATIONS RELATED TO STORM WATER AS STIPULATED IN THE CLEAN WATER ACT. CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE NPDES PERMIT IN EFFECT PRIOR TO COMPLETION OF PROJECT CONSTRUCTION FOR STORMWATER DISCHARGES FROM THE MUNICIPAL STORMWATER SYSTEM OPERATED BY THE CITY OF NAPA. CONTRACTOR SHALL DEVELOP AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN TO THE NAPA VALLEY TRANSPORTATION AUTHORITY FOR APPROVAL PRIOR TO THE START OF WORK.
- NO GRADING AND/OR EXCAVATION SHALL BE PERFORMED EXCEPT IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN AND SCHEDULE. THE CONTRACTOR SHALL HAVE ALL EROSION CONTROL MEASURES ON SITE DURING THE COURSE OF THE WORK AND INSTALLED IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN SCHEDULE.
- ALL TREES WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE PROTECTED FROM CONSTRUCTION DAMAGE. CONTRACTOR SHALL PREPARE A PLAN FOR SAID PROTECTION AND SUBMIT THE PLAN TO THE NAPA VALLEY TRANSPORTATION AUTHORITY FOR APPROVAL BY THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE.

- THE CITY OF NAPA FIRE DEPARTMENT REQUIRES THAT A FIRE HYDRANT BE IN SERVICE WITHIN 250 FEET OF THE FURTHEST POINT OF CONSTRUCTION PRIOR TO THE STOCKPILING OF COMBUSTIBLE MATERIALS OR THE BEGINNING OF COMBUSTIBLE CONSTRUCTION.
- CONSTRUCTION ACTIVITIES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT SHALL BE LIMITED TO THE HOURS OF 7:00 A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY, EXCEPT LEGAL HOLIDAYS. THERE SHALL BE NO START UP OF MACHINES NOR EQUIPMENT PRIOR TO 8:00 A.M., MONDAY THROUGH FRIDAY; NO DELIVERY OF MATERIALS NOR EQUIPMENT PRIOR TO 7:30 A.M. NOR PAST 5:00 P.M., MONDAY THROUGH FRIDAY; NO CLEANING OR SERVICING OF MACHINES NOR EQUIPMENT PAST 6:45 P.M., MONDAY THROUGH FRIDAY; IF THE CONTRACTOR DESIRES TO WORK ON WEEKENDS, LEGAL HOLIDAYS, OR BEYOND THE HOURS STATED ABOVE, CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST, A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE REQUESTED CHANGE, TO THE DIRECTOR OF PUBLIC WORKS, OR HIS/HER DESIGNEE, PURSUANT TO SECTION 8.08.025 & 8.08.050 OF THE CITY OF NAPA MUNICIPAL CODE. IF THE REQUEST TO WORK OUTSIDE OF THE DESIGNATED HOURS IS APPROVED, THE CONTRACTOR MAY BE REQUIRED TO PAY THE COST OF PROVIDING INSPECTION SERVICES FOR THE WORK BEING PERFORMED. IF INSPECTION SERVICES ARE NOT AVAILABLE FOR THE REQUESTED CHANGE, THE DIRECTOR OF PUBLIC WORKS MAY DENY THE REQUEST.
 - ALL MUFFLER SYSTEMS ON CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MAINTAINED.
 - ALL CONSTRUCTION EQUIPMENT SHALL NOT BE PLACED ADJACENT TO DEVELOPED AREAS UNLESS SAID EQUIPMENT IS PROVIDED WITH ACOUSTICAL SHIELDING.
 - ALL CONSTRUCTION AND GRADING EQUIPMENT SHALL BE SHUT DOWN WHEN NOT ACTIVELY IN USE.
 - THE DIRECTOR OF PUBLIC WORKS, PLANNING COMMISSION OR CITY COUNCIL MAY IMPOSE ADDITIONAL LIMITATIONS ON WORKING HOURS AND NOISE BASED ON THE SPECIAL CIRCUMSTANCES THAT MAY BE ASSOCIATED WITH A PARTICULAR PROJECT, IN WHICH CASE, THE MORE STRINGENT LIMITATIONS SHALL APPLY.
- ANY PEDESTRIAN ACCESS THROUGH AND/OR ADJACENT TO THE PROJECT SITE SHALL REMAIN UNOBSTRUCTED DURING THE PROJECT CONSTRUCTION OR AN ALTERNATE ROUTE SHALL BE ESTABLISHED AS APPROVED BY THE POLICE CHIEF AND THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE.
- ALL CONSTRUCTION ACTIVITIES SHALL MEET CURRENT CALIFORNIA BUILDING CODE REGULATIONS FOR SEISMIC SAFETY (I.E., REINFORCING PERIMETER AND/OR LOAD BEARING WALLS, BRACING PARAPETS, ETC.)
- DURING THE CONSTRUCTION/DEMOLITION/RENOVATION PERIOD OF THE PROJECT, THE CONTRACTOR SHALL USE THE FRANCHISED GARBAGE HAULER FOR THE SERVICE AREA IN WHICH THE PROJECT IS LOCATED TO REMOVE ALL WASTES GENERATED DURING PROJECT DEVELOPMENT, UNLESS THE CONTRACTOR TRANSPORTS PROJECT WASTE. IF THE CONTRACTOR TRANSPORTS THE PROJECT'S WASTE, THE CONTRACTOR MUST USE THE APPROPRIATE LANDFILL FOR THE SERVICE AREA IN WHICH THE PROJECT IS LOCATED.
- THE CONTRACTOR SHALL PROVIDE FOR THE SOURCE SEPARATION OF WOOD WASTE FOR RECYCLING. THE CONTRACTOR SHALL USE THE FRANCHISED GARBAGE HAULER FOR THE SERVICE AREA IN WHICH LOCATED FOR COLLECTION OF SUCH WOOD WASTE, UNLESS THE CONTRACTOR TRANSPORTS SUCH WOOD WASTE TO A LOCATION WHERE WOOD WASTE IS RECYCLED.
- THE PAVEMENT STRUCTURAL SECTION SUBGRADE AND BASE ROCK MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 95% AND SHALL BE FIRM AND UNYIELDING. PROOF-ROLLING OF THE FINISHED SUBGRADE AND BASE ROCK MATERIALS SHALL BE PERFORMED BY THE CONTRACTOR AND REVIEWED AND APPROVED BY THE NAPA VALLEY TRANSPORTATION AUTHORITY CONSTRUCTION INSPECTOR PRIOR TO PLACEMENT OF ADDITIONAL MATERIALS. THE GEOTECHNICAL ENGINEER SHALL PROVIDE AN APPROPRIATE METHOD TO STABILIZE THE AREAS OF DEFLECTION IDENTIFIED. COMPACTION TESTING SHALL BE PER ASTM 1557.31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND CONTROL POINTS. ALL MONUMENTS DESTROYED DURING CONSTRUCTION SHALL BE RESURVEYED AND REPLACED BY THE CONTRACTOR AND AT THE CONTRACTOR'S EXPENSE AS OUTLINED IN THE BUSINESS AND PROFESSIONS CODE, SECTION 8771.
- ALL CLASS II AGGREGATE BASE SHALL BE SAMPLED AND TESTED FOR SIEVE ANALYSIS, R-VALUE, SAND EQUIVALENT AND MAXIMUM DENSITY WITHIN 10 DAYS OF SUBMITTING THE SUBMITTAL TO THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE FOR APPROVAL. THE CITY SHALL RECEIVE THE SUBMITTAL A MINIMUM OF FIVE WORKING DAYS PRIOR TO SCHEDULED USE.
- BEFORE SUBMITTING PROPOSAL FOR THIS WORK, EACH BIDDER SHALL BECOME FAMILIAR WITH DRAWINGS, SHALL HAVE EXAMINED THE PROJECT LOCATION, AND BE AWARE OF ALL EXISTING CONDITIONS UNDER WHICH THEY WILL BE OBLIGATED TO OPERATE IN PERFORMING THEIR CONTRACT. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION FOR FAILURE TO ALLOW FOR ALL EXISTING CONDITIONS, SUBMITTING OF A BID OR PROPOSAL WILL BE CONSIDERED EVIDENCE OF THE FACT THAT CONTRACTOR IS FULLY AWARE OF THESE CONDITIONS AND IS ABLE TO COMPLETE ALL WORK REQUIRED BY THE DRAWING.

CITY OF NAPA GENERAL WATER NOTES:

- ALL WATER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPA 2022 STANDARD SPECIFICATIONS AND DETAILS.
- TIE-INS: THE CONTRACTOR SHALL TIE-IN NEW WATER FACILITIES TO EXISTING MAINS UNDER INSPECTION BY THE CITY OF NAPA AFTER PRESSURE TESTING, CHLORINATION, AND BACTERIOLOGICAL TESTING IS COMPLETE. HOT-TAPS TO EXISTING MAINS SHALL BE MADE BY THE CITY OF NAPA AT THE CONTRACTOR'S EXPENSE.
- WATER SERVICE INTERRUPTION: THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING WATER CUSTOMERS AFFECTED BY A WATER SHUT-OFF A MINIMUM OF 48 HOURS (2 WORKING DAYS) IN ADVANCE. CITY PERSONNEL SHALL OPERATE EXISTING VALVES ON THE WATER SYSTEM. CONTRACTOR TO PROVIDE 48 HOUR (2 WORKING DAYS) NOTICE FOR CITY PERSONNEL BY CALLING 707-257-9544 TO SCHEDULE SHUTDOWN.
- CORROSION PROTECTION: ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MILS THICK POLYETHYLENE TUBING SECURED WITH 2" WIDE POLYVINYL PIPE WRAP TAPE. ALL BOLTS AND EXPOSED SURFACES SHALL BE PAINTED WITH BITUMASTIC COATING.
- BACKFILL: WATER MAIN TRENCH BACKFILL SHALL BE PER CITY OF NAPA STANDARD PLAN W-13A WITHIN CITY OF NAPA RIGHT-OF-WAY AND SHALL BE PER CALTRANS CASE 4 WITHIN CALTRANS RIGHT-OF-WAY (SEE SHEET U-2).
- JOINT DEFLECTION: MAXIMUM DEFLECTION AT PIPE JOINTS SHALL NOT EXCEED 3 DEGREES WITH A MAXIMUM

- OFFSET OF 10" PER 18' LENGTH (MINIMUM RADIUS OF 345 DEGREES).
- VALVES: VALVES SHALL BE INSTALLED PER CITY OF NAPA STANDARD PLANS W-9. VALVES ON WATER MAINS SHALL BE PLACED ON THE PROLONGATION OF THE FACE OF CURB. VALVES FOR WATER SERVICES SHALL BE PLACED IMMEDIATELY AFTER THE TEE OR HOT-TAP.
- FIRE HYDRANTS: FIRE HYDRANTS SHALL BE INSTALLED PER CITY OF NAPA STANDARD PLAN W-8. FIRE HYDRANTS THAT ARE NOT IN SERVICE SHALL BE COMPLETELY COVERED.
- SERVICES: WATER SERVICES SHALL BE INSTALLED PER CITY OF NAPA 2022 STANDARD PLANS W-1, W-2, W-3 (A, B, & C), AND W-4. NO SERVICE SHALL BE USED WITHOUT A WATER METER.
- BACKFLOW DEVICES: BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED ON ALL NEW SERVICES PER CITY OF NAPA STANDARD PLANS W-5 (A, B, C, & D), W-6 (A, B, C, & D), AND W-7 (A, B, C, & D).
- NOTICE: MAXIMUM WATER PRESSURE IS 80 PSI. CONTRACTOR IS REQUIRED PER CALIFORNIA PLUMBING CODE TO INSTALL PRESSURE REGULATORS AT ALL LOTS WITH PRESSURES GREATER THAN 80 PSI.
- WATER-SEWER SEPARATION: WATER SEWER (WATER-RECLAIMED WATER) SEPARATION SHALL BE PER THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES. PARALLEL CONSTRUCTION: 10' OF HORIZONTAL SEPARATION. PERPENDICULAR CONSTRUCTION: WATER MAINS AT LEAST 1' ABOVE SEWER AND RECLAIMED WATER LINES.
- EXISTING WATER FACILITIES: CONTRACTOR SHALL LOCATE, BY EXCAVATION, EXISTING WATER FACILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES. EXCAVATE USING HAND TOOLS WHEN WITHIN AN 18" TOLERANCE ZONE COMPRISED OF THE WIDTH OF THE EXISTING UTILITY PLUS 18" ON EACH SIDE OF THE OUTSIDE EDGE. IF CONFLICTS ARISE, CONTRACTOR'S ENGINEER SHALL SUBMIT AN ALTERNATE DESIGN FOR APPROVAL.
- OBSTRUCTIONS: NO TREES, FOUNDATIONS, OR OTHER PERMANENT STRUCTURES SHALL BE INSTALLED WITHIN 10' OF ANY WATER FACILITY. NO OBSTRUCTIONS (SIGN POST, MAIL BOX, WALL, FENCE, ETC.) SHALL BE INSTALLED WITHIN 3' OF ANY WATER FACILITY. SEE CITY OF NAPA STANDARD PLAN W-18 FOR ADDITIONAL REQUIREMENTS.
- CONSTRUCTION WATER: WATER REQUIRED ON THE PROJECT FROM THE CITY OF NAPA WATER SYSTEM SHALL BE TAKEN FROM A METERED SERVICE OR THROUGH A HYDRANT METER ONLY. HYDRANT METERS CAN BE OBTAINED BY APPLYING AT THE COLLECTIONS DEPARTMENT IN CITY HALL (955 SCHOOL STREET).
- INSPECTION: ALL PUBLIC WATER FACILITIES UP TO AND INCLUDING THE WATER METER SHALL BE INSPECTED BY THE WATER DIVISION INSPECTOR (CONTACT 707-257-9521 TO SCHEDULE INSPECTION.) ALL WATER FACILITIES BETWEEN THE WATER METER UP TO AND INCLUDING THE BACKFLOW DEVICE SHALL BE INSPECTED BY THE WATER DIVISION BACKFLOW PREVENTION SPECIALIST (CONTACT 707-257-9544 TO SCHEDULE INSPECTION). ALL NEW WATER FACILITIES SHALL BE TESTED AND INSPECTED PRIOR TO ACTIVATION.
- NAPA SEWER DISTRICT: ALL SEWER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NAPA SANITATION DISTRICT'S STANDARD SPECIFICATIONS AND DETAILS.

CITY OF NAPA GENERAL TRAFFIC NOTES:

- ALL WORK PERFORMED WITHIN CITY OF NAPA RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT. TRAFFIC CONTROL PLANS MUST BE SUBMITTED TO THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE WITH THE PERMIT APPLICATION FOR REVIEW AND APPROVAL.
- ALL TRAFFIC CONTROL REQUIRED FOR CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE 2014 CA MUTCD REVISION 9. FOR FULL STREET CLOSURES, A WRITTEN EXPLANATION DETAILING THE NEED FOR FULL CLOSURE SHALL BE ACCOMPANIED WITH A TRAFFIC CONTROL PLAN AND SUBMITTED TO THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE FOR REVIEW AND APPROVAL. FOR ALL LANE AND SIDEWALK CLOSURES AND DETOURS, A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNATED REPRESENTATIVE FOR REVIEW AND APPROVAL AT LEAST TEN WORKING DAYS BEFORE THE SCHEDULED CLOSURE. CONSTRUCTION WILL NOT BE ALLOWED TO START PRIOR TO THE APPROVAL OF THE TRAFFIC CONTROL PLAN.
- ALL TRAFFIC CONTROL PLANS SHALL BE A CAD DRAWING FORMAT PLAN WITH COMPLETE DETAILS AND TABLES. AERIAL PHOTOS, HAND DRAWN PLANS, AND NOTES ARE NOT ACCEPTABLE.
- TRAFFIC CONTROL SHALL BE PER CA MUTCD, SECTION 6 (SECTION 5 NOT ALLOWED).
- "NO PARKING" SIGNS SHALL BE PLACED 48 HOURS PRIOR TO THE WORK TO BE COMPLETED WITHIN AN AREA OF DESIGNATED PUBLIC PARKING. NO PARKING SIGNS SHALL BE FILLED IN WITH ALL PERTINENT INFORMATION OF THE EXACT TIME THE WORK IS TO TAKE PLACE. SIGNS SHALL BE CLEAR AS TO WHEN THE PUBLIC MAY PARK IN THE AREA OUTSIDE OF THE CONSTRUCTION TIME. IF WORK IS STAGED OR DELAYED, THEN ALL "NO PARKING" SIGNS SHALL BE REMOVED AND NEW NO PARKING SIGNS SHALL BE PLACED 48 HOURS PRIOR TO WHEN WORK IS READY TO RESUME. SIGNS SHALL BE PLACED APPROXIMATELY EVERY 50 FEET APART.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL TRAFFIC CONTROL EQUIPMENT IN-PLACE DURING WORK ACTIVITIES AND SHALL REMOVE ALL TRAFFIC CONTROL THAT IS NOT NEEDED AND RETURN ACCESSIBLE TRAVEL FOR THE PUBLIC DURING NON-WORK HOURS OR DAYS.
- THE CITY RESERVES THE RIGHT TO STOP ALL WORK BEING PERFORMED FOR LACK OF TRAFFIC CONTROL OR TRAFFIC CONTROL THAT IS NOT PER THE APPROVED TRAFFIC CONTROL PLAN.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL TEMPORARY PAVEMENT DELINEATION UNTIL THE PERMANENT PAVEMENT DELINEATION IS PLACED. ALL PERMANENT TRAFFIC STRIPING SHALL BE LAID OUT AND CAT-TRACKED. THE CITY SHALL HAVE A MINIMUM OF TEN WORKING DAYS TO APPROVE THE STRIPING LAYOUT AND CAT-TRACKING.
- TRAFFIC STRIPING SHALL BE THERMOPLASTIC WITH REFLECTOR UNLESS OTHERWISE SPECIFIED.
- CONTRAST STRIPING SHALL BE PLACED ON ALL CONCRETE ROADWAY SURFACES.
- PRIOR TO THE STREET OPENING AFTER HMA IS PLACED, THERE SHALL BE TEMPORARY PAINT, TAPE, OR REFLECTIVE MAKERS PLACED PER CITY ENGINEER'S APPROVAL. CONTRACTOR TO WAIT A MINIMUM OF 5 DAYS AND A MAXIMUM OF 10 DAYS AFTER HMA IS PLACED BEFORE PERMANENT STRIPING IS PLACED.
- BIKE LANE LEGENDS SHALL BE HELMETED CYCLIST WITH ARROW.
- GREEN-BACKED DASHED BIKE LANES SHALL BE PLACED AT CONFLICT ZONES.
- ALL MEDIAN NOSES SHALL BE PAINTED TO MATCH THE ROAD STRIPING LEADING TO THE NOSE.
- TYPE 1 MARKERS SHALL BE PLACED ONE FOOT (1') BACK FROM ALL MEDIAN NOSES.
- MEDIAN NOSES SHALL BE SIGNED AT INTERSECTIONS AND AT THE START OF A MEDIAN CHAIN.
- ALL TRAFFIC SIGNS (EXCLUDING TEMPORARY CONSTRUCTION SIGNS) SHALL HAVE 3M DIAMOND CUBED RETRO-REFLECTIVE OR EQUIVALENT BASE AND 3M 1160 PROTECTIVE OVERLAY FILM OR EQUIVALENT.

PLOT DATE: Aug 07, 2025 - 1:27pm FILE: I:\0\TYlin-04K\P\30100100606.005\600_DS01\Highway\07_Addendum_Permit_04-25-X-XX-0874\04_Sheets\23-06E12-E05_02_GN.dwg

No.	DATE	REVISION	BY	APPD
△	8/7/2025	BASED ON CALTRANS COMMENTS & INTERNAL REVIEW	JL	MA
△				
△				
△				

TYlin
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NVTA
 NAPA VALLEY TRANSPORTATION AUTHORITY
 625 BURNELL STREET
 NAPA, CA 94559
 www.nvta.ca.gov

REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
GENERAL NOTES
NAPA VALLEY TRANSPORTATION AUTHORITY

APPROVED - PRINCIPAL ENGINEER	DATE	RECOMMENDED - PROJECT MANAGER	DATE
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PROJECT NUMBER: 25-C17	SCALE: AS SHOWN
FEDERAL PROJECT: N/A	0 +-----+ 1" NOTE: VERIFY SCALE. ORIGINAL IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.
DESIGNED BY: M. ALIKHAN	CHECKED BY: S. HUYNH
DRAWN BY: M. STICKELMAIER	DATE: 06/2025

GN-1
 SHEET 2 OF 18

FILE: F:\O\TYLin-04K\F\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-02E12-ED05_02_GN.dwg
 PLOT DATE: Jun 24, 2025 - 10:48am

LEGEND AND ABBREVIATIONS

DESCRIPTION	ABBR	SYMBOL		DESCRIPTION	ABBR	SYMBOL	
		EXIST	PROP			EXIST	PROP
ABBREVIATION	ABBR			PORTLAND CEMENT CONCRETE	PVC		
ACCESSOR'S PARCEL NUMBER	APN			POUNDS PER SQUARE INCH	PSI		
AGGREGATE BASE	AB						
AMP	A			POWER POLE	PP		
AND	&						
ASPHALT CONCRETE	AC			PROPERTY	PROP.		
AVENUE	AVE			PROPERTY LINE	PL		
				PROPOSED	PROP		
BACKFLOW PREVENTER				QUANTITY	Qty		
				RADIUS	R		
CALIFORNIA DEPARTMENT OF TRANSPORTATION	CALTRANS			REAL TIME SIGN	RTS		
CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	CA MUTCD						
CENTER LINE	C/L, C						
CITY OF NAPA	CITY			RIGHT	Rt		
CLEANOUT				RIGHT OF WAY	R/W, ROW		
				ROAD	RD		
CLEARANCE	Cir			SANITARY SEWER	SS, SWR		
CONDUIT	C			SEWER	S, SWR		
CURB AND GUTTER	C&G			SIDEWALK	S.W, SDKW		
DEGREE	°			SIGN	S		
DIAMETER	Dia						
DUCTILE IRON PIPE	DIP			SPECIAL	Spec		
EASTING	E:			SQUARE FEET	SF, SQFT		
EDGE OF PAVEMENT	EP			STANDARD	STD		
ELECTRIC VEHICLE	EV			STANDARD DIMENSION RATIO	SDR		
ELECTRICAL LINE	ELEC			STATE ROUTE	SR		
ELEVATION	Elev, ELEV			STATION	STA		
ETCETERA	ETC.			STORM DRAIN	SD		
EXEMPLI GRATIA	E.G.			STORM DRAIN MANHOLE	SDMH		
EXISTING	EXIST, EX.			STREET	ST		
				TOP OF CURB	TC, TOC		
EXISTING GROUND	EG			TOP OF WALK	TW, TOW		
FACE OF CURB	FOC			TOTAL	Tot		
FEET	FT						
FINISHED GRADE	FG			TREE			
FIRE HYDRANT	FH			TYPICAL	Typ., TYP.		
FIRE SERVICE	FS			UNDERGROUND SERVICE ALERT	USA		
FLOW LINE	FL			VARIES	VAR		
GAUGE	Ga			VERTICAL	VERT.		
HIGH DENSITY POLYETHYLENE	HDPE			VITRIFIED CLAY PIPE	VCP		
HORIZONTAL	HORZ.			VOLATILE ORGANIC COMPOUND	VOC		
HOT MIX ASPHALT	HMA			VOLT	V		
ID EST	I.E.			WATER	WTR		
INVERT ELEVATION	IE						
IRRIGATION	IRR			WEST	W		
				WITH	W/		
LIGHT POLE	LP			YEAR	YR		
LINEAR FEET	LF						
LIP OF GUTTER	LOG, LIP						
MANHOLE	MH						
MAXIMUM	MAX						
MILLIMETER	MM						
MINIMUM	MIN						
MONUMENT SIGN							
NAPA VALLEY TRANSPORTATION AUTHORITY	NVTA						
NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM	NPDES						
NEUTRAL	N						
NORTH	N						
NORTHING	N:						
NOT TO SCALE	NTS						
NUMBER	NO.						
ORIGINAL GROUND	OG						
PACIFIC GAS & ELECTRIC	PG&E						
PAVEMENT CONDITIONS INDEX	PCI						
PERFORATED SQUARE STEEL TUBE	PSST						
PHASE	P						
PHOTOELECTRIC UNIT	PEU						
POINT OF TANGENCY	POT						
POLYVINYL CHLORIDE	PCC						

LINETYPES

DESCRIPTION	SYMBOL	
	EXIST	PROP
EXISTING FEATURES		
EXISTING CONTOURS		
RIGHT OF WAY / PROP. LINE		
PERMANENT FENCE		
PROPOSED FEATURES		
ELECTRIC UTILITY		
GAS UTILITY		
WATER UTILITY		
SEWER UTILITY		
STORM DRAIN UTILITY		
TEMPORARY FENCE		

No.	DATE	REVISION	BY	APPD
△				
△				
△				
△				

TYLin

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APPROVED - PRINCIPAL ENGINEER

REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
LEGEND AND ABBREVIATIONS

NAPA VALLEY TRANSPORTATION AUTHORITY

DATE RECOMMENDED - PROJECT MANAGER DATE

PROJECT NUMBER: 25-C17	SCALE: AS SHOWN
FEDERAL PROJECT: N/A	DESIGNED BY: M. ALIKHAN
CHECKED BY: S. HUYNH	DATE: 06/2025
DRAWN BY: M. STICKELMAIER	

0 = 1" AS SHOWN

NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING: **GN-2**

SHEET 3 OF 18

NOTES

THE ELEVATION AND CO-ORDINATE DATA DEPICTED IN THE BELOW EXHIBIT IS BASED ON THE FOLLOWING:

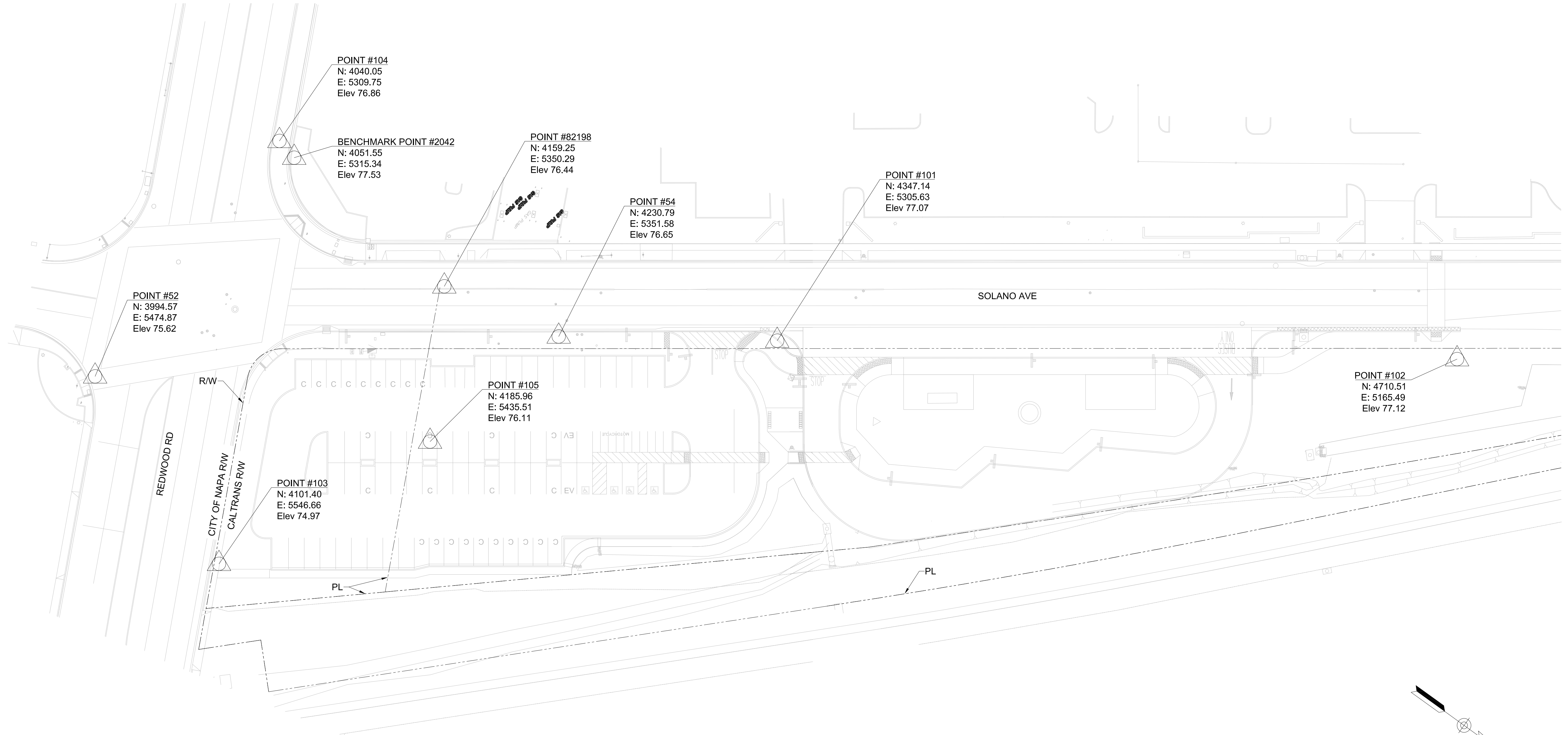
COORDINATE SYSTEM: ASSUMED BASED ON TYLIN PROVIDED CAD FILE
 VERTICAL: ASSUMED BASED ON TYLIN PROVIDED CAD FILE

ALL DISTANCES ARE IN US SURVEY FEET

LEGEND

 SURVEY CONTROL POINT

PLOT DATE: Jun 23, 2025 - 3:41pm FILE: s:\CONTRACTS\17376-TYLIN-NVA\101-Redwood Park and Ride Topo\Deliverables\Outgoing\2025-06-23\25-06E12-ED6_02.5_Central.dwg



POINT #104
 N: 4040.05
 E: 5309.75
 Elev 76.86

BENCHMARK POINT #2042
 N: 4051.55
 E: 5315.34
 Elev 77.53

POINT #82198
 N: 4159.25
 E: 5350.29
 Elev 76.44

POINT #101
 N: 4347.14
 E: 5305.63
 Elev 77.07

POINT #54
 N: 4230.79
 E: 5351.58
 Elev 76.65

POINT #52
 N: 3994.57
 E: 5474.87
 Elev 75.62

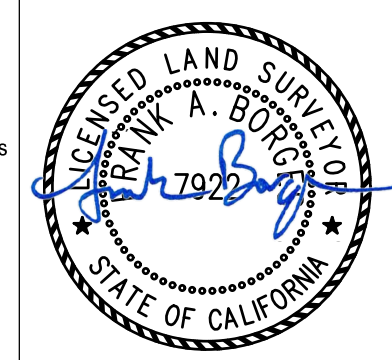
POINT #105
 N: 4185.96
 E: 5435.51
 Elev 76.11

POINT #102
 N: 4710.51
 E: 5165.49
 Elev 77.12

POINT #103
 N: 4101.40
 E: 5546.66
 Elev 74.97

No.	DATE	REVISION	BY	APPD
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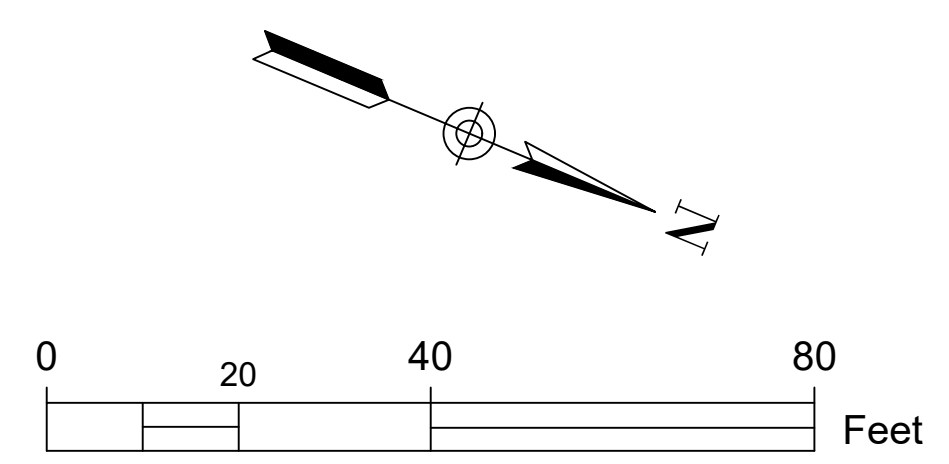
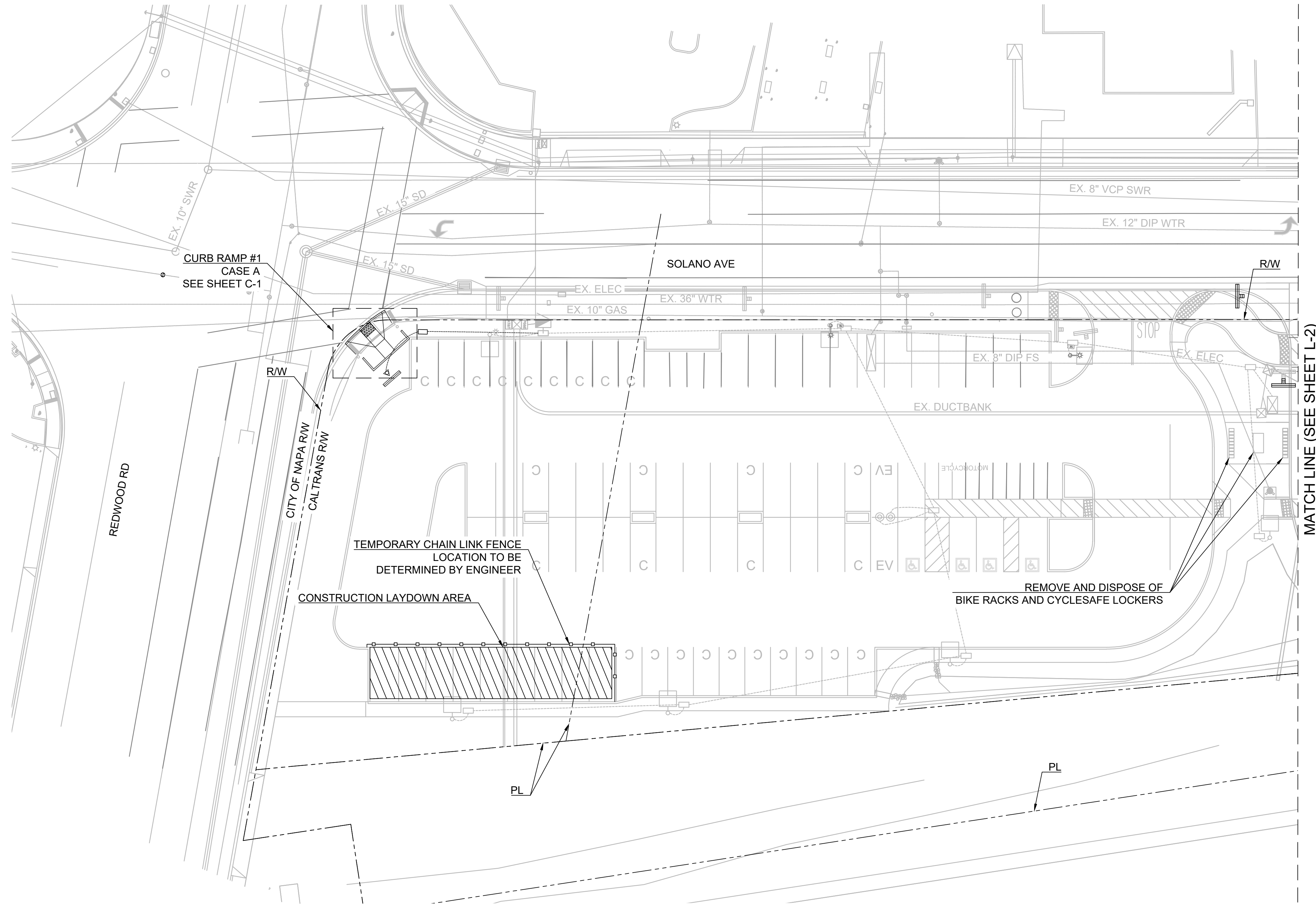
REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
PROJECT CONTROL
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17	SCALE: 1" = 30'	DRAWING: PC-1
FEDERAL PROJECT: N/A	0 ----- 1" NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	SHEET 4 OF 18
DESIGNED BY: F. BORGES	CHECKED BY: M. ALIKHAN	
DRAWN BY: M. STICKELMAIER	DATE: 06/2025	

APPROVED -- PRINCIPAL ENGINEER	DATE	RECOMMENDED -- PROJECT MANAGER	DATE
--------------------------------	------	--------------------------------	------

NOTES

- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET GN-1 AND GN-2.
- FOR PAVEMENT DELINEATION SEE SHEETS PD-1, PD-2, PDD-1 AND PDD-2.



PLOT DATE: Jun 24, 2025 - 10:54am FILE: T:\O\TYLin-04K\F\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-06E12-ED05_03_L.dwg

No.	DATE	REVISION	BY	APPD
△				
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△				
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 Exp. 9-30-25
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REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
SITE PLAN
NAPA VALLEY TRANSPORTATION AUTHORITY

APPROVED - PRINCIPAL ENGINEER	DATE	RECOMMENDED - PROJECT MANAGER	DATE
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PROJECT NUMBER: 25-C17	SCALE: 1" = 20'	DRAWING: L-1
FEDERAL PROJECT: N/A	0 ----- 1" NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	SHEET 5 OF 18
DESIGNED BY: M. ALIKHAN	CHECKED BY: S. HUYNH	
DRAWN BY: M. STICKELMAIER	DATE: 06/2025	

FILE: T:\0\TYlin-04\030100100806.005\600_DSGN\Highway\07_Addendum\Permit_04-25-X-XX-0874\04_Sheets\23-06E12-ED5_03_L.dwg
 PLOT DATE: Aug 07, 2025 - 1:26pm

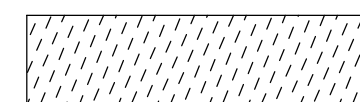


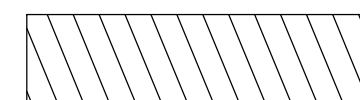
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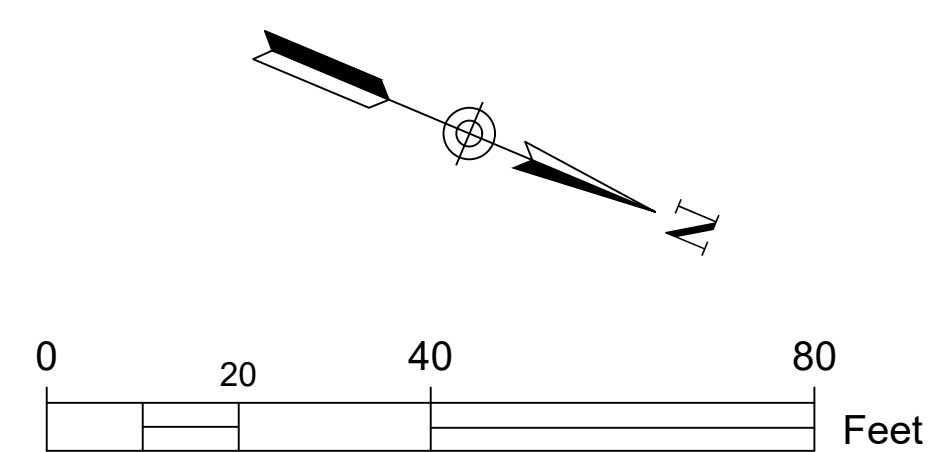
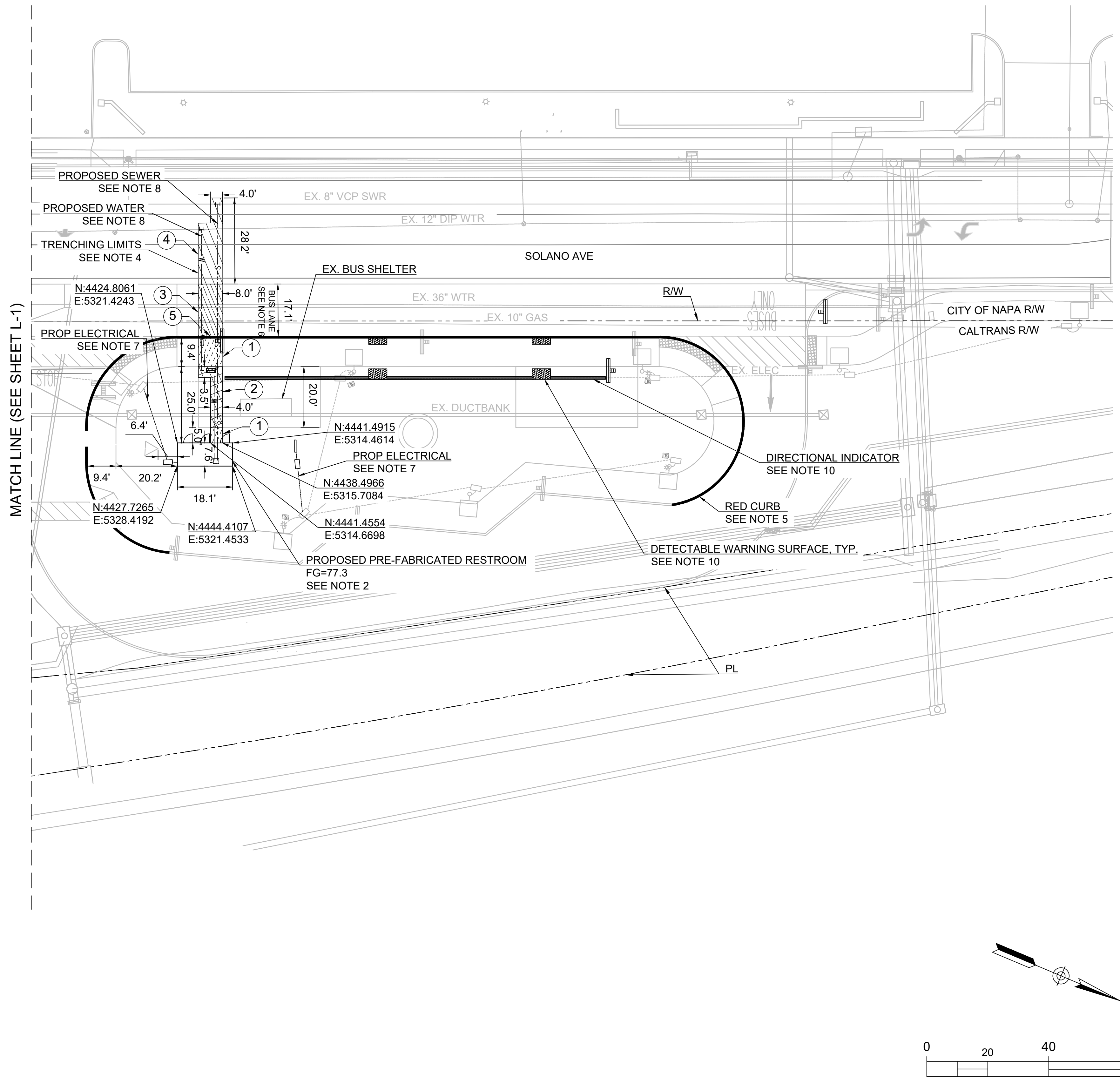
- FOR GENERAL NOTES, ABBREVIATIONS, AND LEGEND, SEE SHEETS GN-1 AND GN-2.
- PRE-FABRICATED RESTROOM SHALL BE EXELOO SEMI-AUTOMATED JUPITER TRIPLE OR APPROVED EQUAL. FINAL FURNISHINGS AND ACCESSORIES TO BE SELECTED BY NVTA. REFER TO RESTROOM DRAWING AS-JUP23ATD-US-1 FOR LAYOUT AND DETAILS.
- CONTRACTOR SHALL DEVELOP TRAFFIC CONTROL PLANS FOR SOLANO AVE IN ACCORDANCE WITH 2024 CALTRANS STANDARD SPECIFICATION SECTION 12, 2022 CITY OF NAPA STANDARD SPECIFICATION 1.10.06, AND 2014 CA MUTCD REVISION 9 REQUIREMENTS FOR TEMPORARY LANE CLOSURES. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF NAPA PRIOR TO ANY WORK WITHIN PUBLIC RIGHT-OF-WAY. AT LEAST TWO LANES OF TRAFFIC ON SOLANO AVE SHALL REMAIN OPEN AT ALL TIMES. TRENCHING IN THE NORTHBOUND LANE AND BUS LANE SHALL NOT OCCUR SIMULTANEOUSLY. TRENCHING AND TRAFFIC CONTROL PLAN MUST ALLOW FOR CONTINUOUS BUS ACCESS TO THE NORTHERN HALF OF THE BUS LANE ALONG NORTHBOUND SOLANO AVE AND ALONG THE WEST SIDE OF BUS ISLAND AT ALL TIMES DURING CONSTRUCTION.
- CURB AND GUTTER IMPACTED BY THE SEWER AND WATER INSTALLATIONS SHALL BE REMOVED AND REPLACED PER APPLICABLE CITY OF NAPA STANDARD PLANS, UNLESS OTHERWISE NOTED.
- FOR PAVEMENT DELINEATION SEE SHEETS PD-1, PD-2, PDD-1 AND PDD-2.
- ACCESS TO BUS LANE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- FOR PROPOSED ELECTRICAL LAYOUT AND DESIGN, REFER TO SHEETS E-1 AND E-2.
- PAVEMENT RESTORATION WITHIN CITY OF NAPA RIGHT-OF-WAY SHALL CONFORM TO CITY OF NAPA STANDARD SPECIFICATION 3.01.07 AND STANDARD PLAN S-12. THE PCI FOR SOLANO AVE IS 82 PER CITY OF NAPA PUBLIC WORKS ENGINEERING DIVISION. FOR TRENCHING DETAILS, SEE SHEET U-1 AND U-2.
- FOR PROPOSED WATER AND SEWER DESIGN, SEE SHEETS U-1 AND U-2.
- FOR DETECTABLE WARNING SURFACE AND DIRECTIONAL INDICATOR DETAILS, SEE SHEETS C-1, PD-2, AND PDD-2.

CONSTRUCTION NOTES

- PAVEMENT WITHIN TRENCHING LIMITS TO BE REPLACED IN KIND WITH MINOR CONCRETE PER CITY OF NAPA STANDARD PLAN S-4. PAVEMENT SECTION SHALL CONSIST OF 4" MINOR CONCRETE OVER 2" AGGREGATE BASE COMPACTED TO 95%, OVER 6" SUBGRADE COMPACTED TO 95%. 2" AGGREGATE BASE IS NON-STANDARD AND PROVIDED TO MATCH EXISTING CONDITIONS. SEE NOTE 8.
- EXISTING COLORED CONCRETE WITHIN TRENCHING LIMITS SHALL BE REPLACED WITH MINOR CONCRETE. SEE CONSTRUCTION NOTE 1 FOR MINOR CONCRETE DETAILS. UTILITY TRENCHING SHALL NOT EXTEND BEYOND THE FIRST COLUMN OF COLORED CONCRETE. CONTRACTOR SHALL REPLACE ANY ADDITIONAL COLORED CONCRETE REMOVED BEYOND THIS LIMIT IN KIND AT THEIR OWN EXPENSE. SEE NOTE 8.
- PAVEMENT OF CONCRETE BUS LANE WITHIN TRENCHING LIMITS SHALL BE REPLACED IN KIND. PAVEMENT SECTION SHALL CONSIST OF 9" RAPID SET CONCRETE OVER 12" SLURRY CEMENT BACKFILL, OVER 6" SUBGRADE COMPACTED TO 95%. A "NO VIBRATION ZONE" SHALL BE OBSERVED WITHIN 3' OF EX. 36" TRANSMISSION WATER LINE AND 5' OF EX. 10" HIGH-PRESSURE GAS LINE. SEE NOTE 8.
- AC PAVEMENT WITHIN TRENCHING LIMITS TO BE REPLACED IN KIND PER CITY OF NAPA STANDARD PLAN S-12. SEE NOTE 8.
- REMOVE AND REPLACE EXISTING A1-6" CURB PER CITY OF NAPA STANDARD PLAN S-2

LEGEND

-  TRENCHING LIMITS FOR MINOR CONCRETE
SEE CONSTRUCTION NOTE 1
-  TRENCHING LIMITS FOR COLORED CONCRETE
SEE CONSTRUCTION NOTE 2
-  TRENCHING LIMITS FOR CONCRETE BUS LANE
SEE CONSTRUCTION NOTE 3
-  TRENCHING LIMITS FOR AC PAVEMENT
SEE CONSTRUCTION NOTE 4



No.	DATE	REVISION	BY	APPD
1	8/7/2025	BASED ON CALTRANS COMMENTS & INTERNAL REVIEW	JL	MA

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REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
SITE PLAN
NAPA VALLEY TRANSPORTATION AUTHORITY

APPROVED - PRINCIPAL ENGINEER DATE RECOMMENDED - PROJECT MANAGER DATE

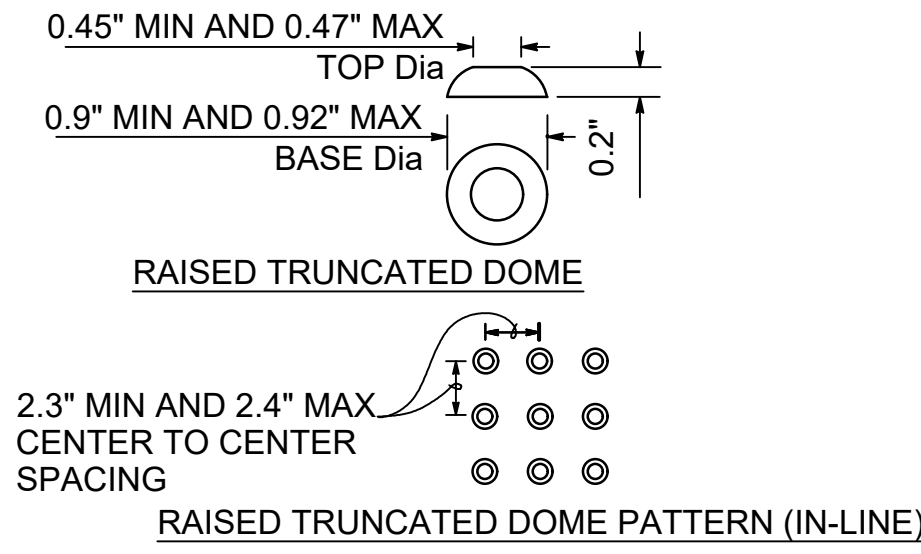
PROJECT NUMBER: 25-C17	SCALE: 1" = 20'	DRAWING: L-2
FEDERAL PROJECT: N/A	0 1" NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	SHEET 6 OF 18
DESIGNED BY: M. ALIKHAN	CHECKED BY: S. HUYNH	
DRAWN BY: M. STICKELMAIER	DATE: 06/2025	

NOTES

- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET GN-1 AND GN-2.
- FOR CONCRETE CONNECTIONS, SEE CITY STD S-4B
- FOR C&G, SEE CITY STD S-1A.
- FOR A1-6 CURB, SEE CITY STD S-2.
- FOR SIDEWALK AND CURB RAMP SECTION, SEE CITY STD S-4.

LEGEND

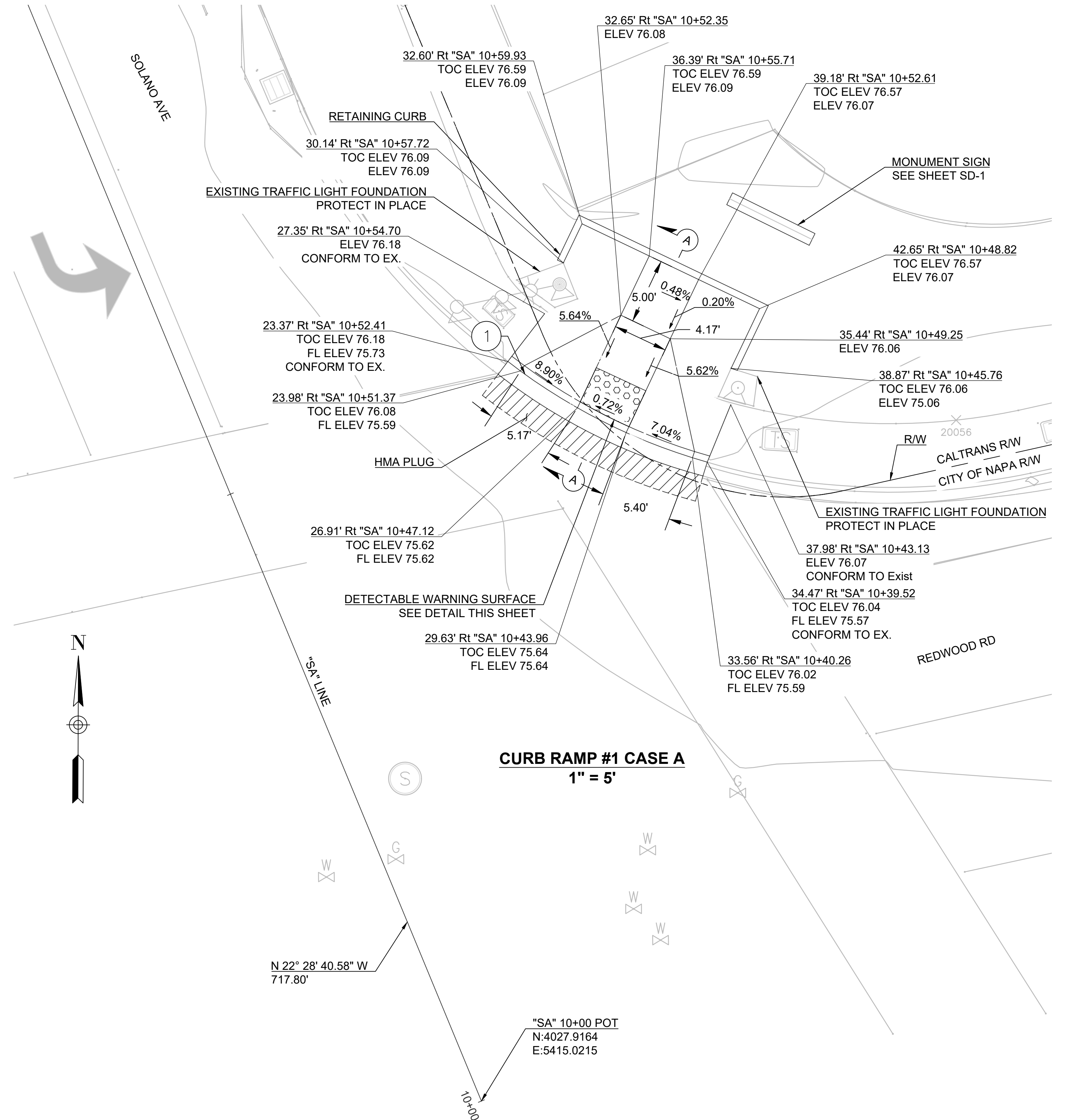
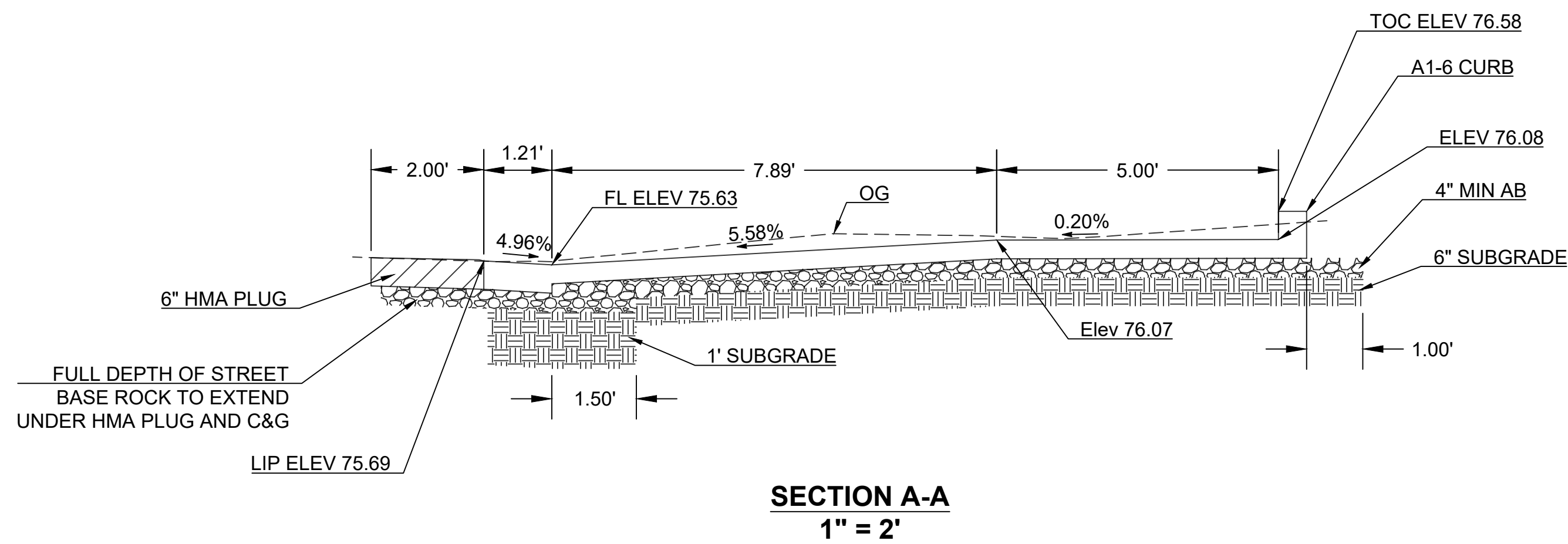
- CLASS II AB COMPACTED TO 95%
- SUBGRADE COMPACTED TO 95%
- HMA PLUG



DETECTABLE WARNING SURFACE DETAIL
NTS

NOTE: THE DETECTABLE WARNING SURFACE WILL BE A RECTANGLE AS SHOWN AT THE BACK OF CURB. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP EXCEPT A MAXIMUM GAP OF 1 INCH IS ALLOWED ON EACH SIDE OF THE RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.

CURVE DATA TABLE				
CURVE NO.	LENGTH	RADIUS	DELTA	TANGENT
1	17.11'	44.73'	24.92°	8.66'



PLOT DATE: Jun 24, 2025 - 11:05am FILE: F:\O\TYlin-04K\F\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-06E12-E05_03.5_CD_recover.dwg

No.	DATE	REVISION	BY	APPD

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CAPITAL IMPROVEMENTS PROJECT
CONSTRUCTION DETAILS
NAPA VALLEY TRANSPORTATION AUTHORITY

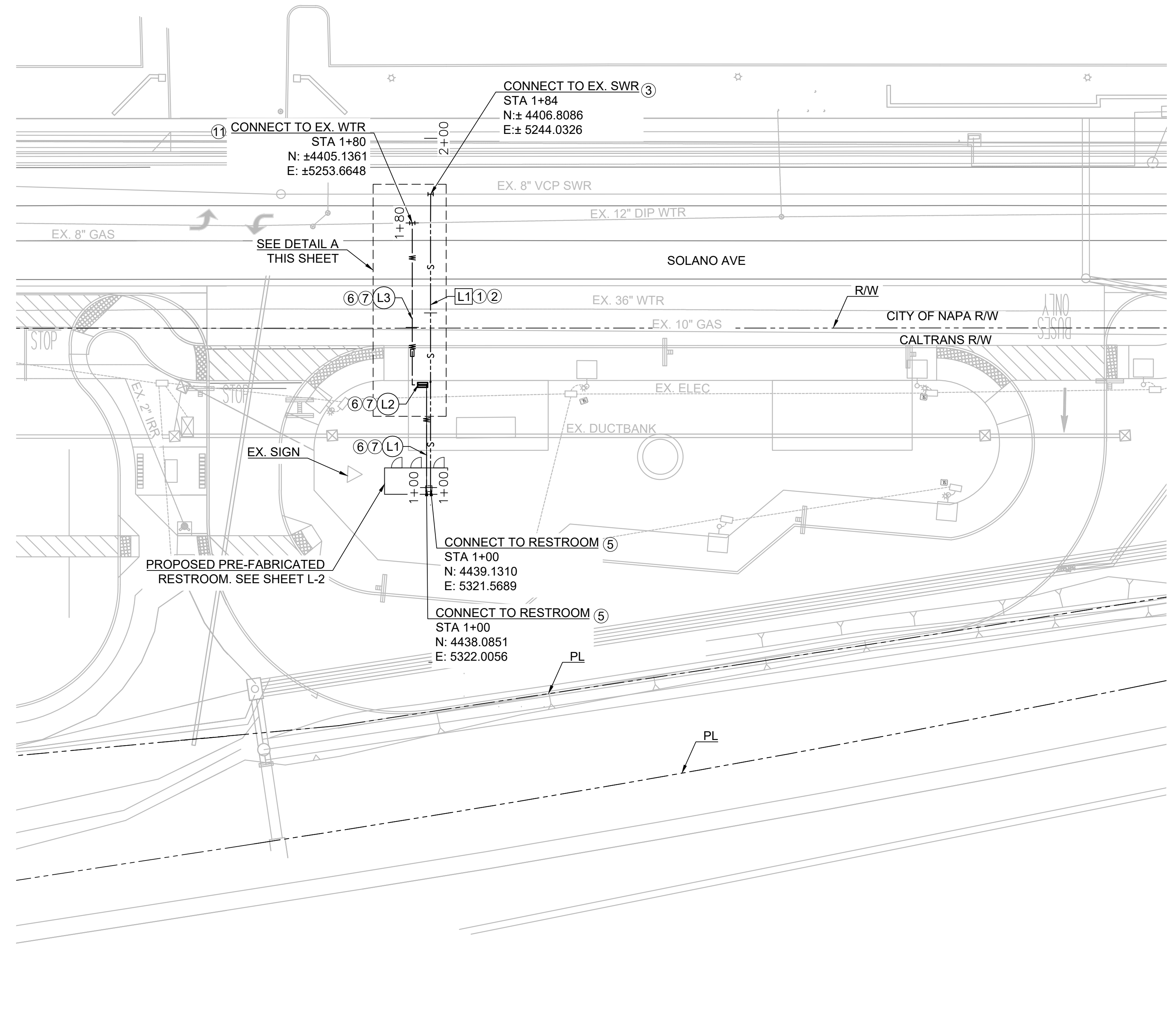
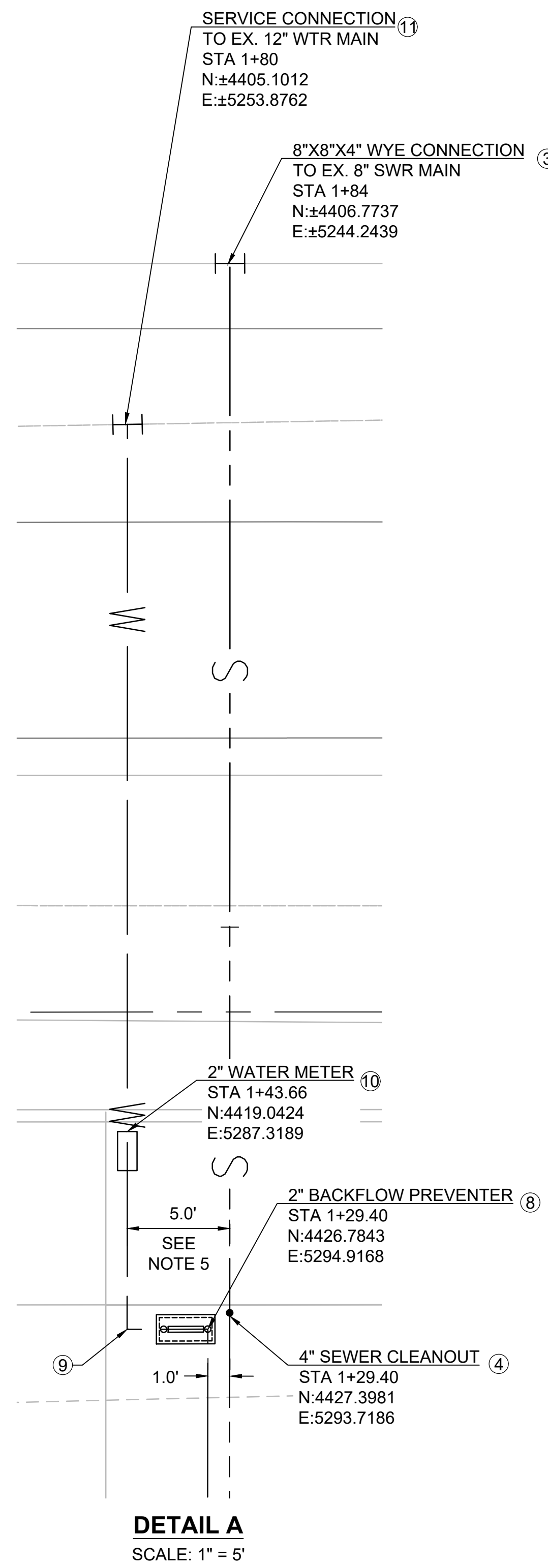
PROJECT NUMBER: 25-C17	SCALE: AS SHOWN	DRAWING: C-1 SHEET 7 OF 18
FEDERAL PROJECT: N/A	0 ——— 1' NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	
DESIGNED BY: M. ALIKHAN	CHECKED BY: S. HUYNH	
DRAWN BY: M. STICKELMAIER	DATE: 06/2025	

NOTES

- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEETS GN-1 AND GN-2.
- SEWER LATERAL CONNECTION WILL USE A PVC SDR 26 WYE AND FERNCO COUPLINGS WITH SHEAR BANDS PER NAPASAN 2024 VOLUME II SECTION 1.04D.
- PROPOSED SEWER LATERAL SHALL COMPLY WITH NAPA SANITATION DISTRICT (NAPASAN) SANITARY SEWER AND RECYCLED WATER STANDARDS VOLUME II AND STANDARD DETAILS SS-1, SS-2, SS-3, SS-4, SS-7, SS-13, AND SS-29.
- PROPOSED WATER SERVICE SHALL COMPLY WITH CITY OF NAPA STANDARD SPECIFICATIONS AND STANDARD PLANS W-2B, W-6A, W-12, W-13A, W-16A, W-20A, W-22A, AND W-22B.
- MINIMUM SPACING BETWEEN WATER SERVICE AND SEWER LATERAL TO BE 5-FT PER CITY OF NAPA STANDARD PLAN W-22A.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL TIE-IN POINTS AND CROSSINGS PRIOR TO UTILITY INSTALLATION.
- CONTRACTOR TO NOTIFY ENGINEER AND NVTA OF ANY CONFLICTS PRIOR TO STARTING WORK.
- CONTRACTOR TO PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED. REPAIRS TO EXISTING UTILITIES THAT ARE NOT PROPERLY PROTECTED WILL BE THE RESPONSIBILITY AND AT THE COST OF THE CONTRACTOR.
- CONTRACTOR TO OBTAIN ENCROACHMENT PERMITS FROM THE CITY OF NAPA PRIOR TO ANY WORK WITHIN CITY OF NAPA RIGHT-OF-WAY.
- FOR PAVEMENT RESTORATION DETAILS SEE SHEET L-2.

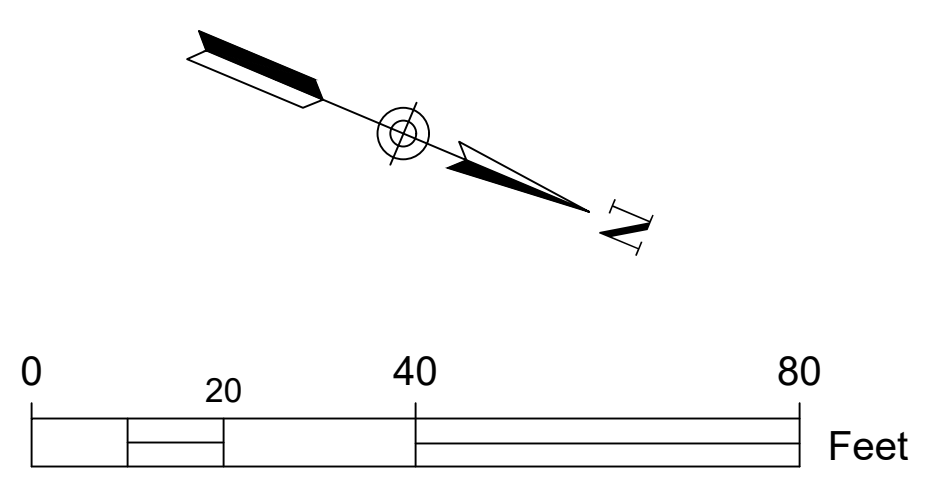
CONSTRUCTION NOTES

- INSTALL 4" PVC SDR-26 SEWER LATERAL PER NAPASAN STANDARD DETAIL SS-7
- INSTALL SEWER LATERAL IN OPEN TRENCH PER NAPASAN STANDARD DETAIL SS-23 WITHIN CITY OF NAPA RIGHT-OF-WAY AND PER CALTRANS CASE 4 WITHIN CALTRANS RIGHT-OF-WAY (SEE SHEET U-2) (SEE NOTE 10)
- CONNECT TO EXISTING 8" VCP SEWER MAIN PER NAPASAN STANDARD DETAIL SS-2
- INSTALL CLEANOUT PER NAPASAN STANDARD DETAIL SS-1
- CONNECT SEWER LATERAL AND WATER SERVICE TO PRE-FABRICATED RESTROOM FACILITY PER RESTROOM DRAWING AS-JUP23ATD-US-1
- INSTALL 2" COPPER PIPE (TYPE "K" SOFT) WATER SERVICE PER CITY OF NAPA STANDARD PLAN W-2B
- INSTALL WATER SERVICE IN OPEN TRENCH PER CITY OF NAPA STANDARD PLAN W-13A WITHIN CITY OF NAPA RIGHT-OF-WAY AND PER CALTRANS CASE 4 WITHIN CALTRANS RIGHT-OF-WAY (SEE SHEET U-2) (SEE NOTE 10)
- INSTALL BACKFLOW DEVICE PER CITY OF NAPA STANDARD PLAN W-6A
- INSTALL 90° WATER TIGHT BEND FITTING
- PROPOSED WATER METER TO BE INSTALLED IN COORDINATION WITH CITY OF NAPA WATER DIVISION
- CONNECT TO EXISTING 12" DIP WATER MAIN PER CITY OF NAPA STANDARD PLAN W-16A



SEWER DATA TABLE			
LINE #	LENGTH (FT)	DIRECTION	NOTES
L1	84.00	S67° 22' 09.48"W	4" PVC SDR 26

WATER DATA TABLE			
LINE #	LENGTH (FT)	DIRECTION	NOTES
L1	29.40	S67° 23' 49.14"W	2" COPPER
L2	4.13	S22° 40' 43.05"E	2" COPPER
L3	46.36	S67° 22' 13.25"W	2" COPPER



PLOT DATE: Aug 07, 2025 - 1:25pm FILE: T:\0\TYlin-04k\p\3010.0100806.005\600_DSGN\Highway\07_Addendum_Permit_04-25-X-XX-0874\04_Sheets\23-06E12-ED05_04_U.dwg

No.	DATE	REVISION	BY	APPD
1	8/7/2025	BASED ON CALTRANS COMMENTS & INTERNAL REVIEW	JL	MA

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REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
UTILITY PLAN
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17
 FEDERAL PROJECT: N/A
 DESIGNED BY: M. ALIKHAN
 CHECKED BY: S. HUYNH
 DRAWN BY: M. STICKELMAIER
 DATE: 06/2025

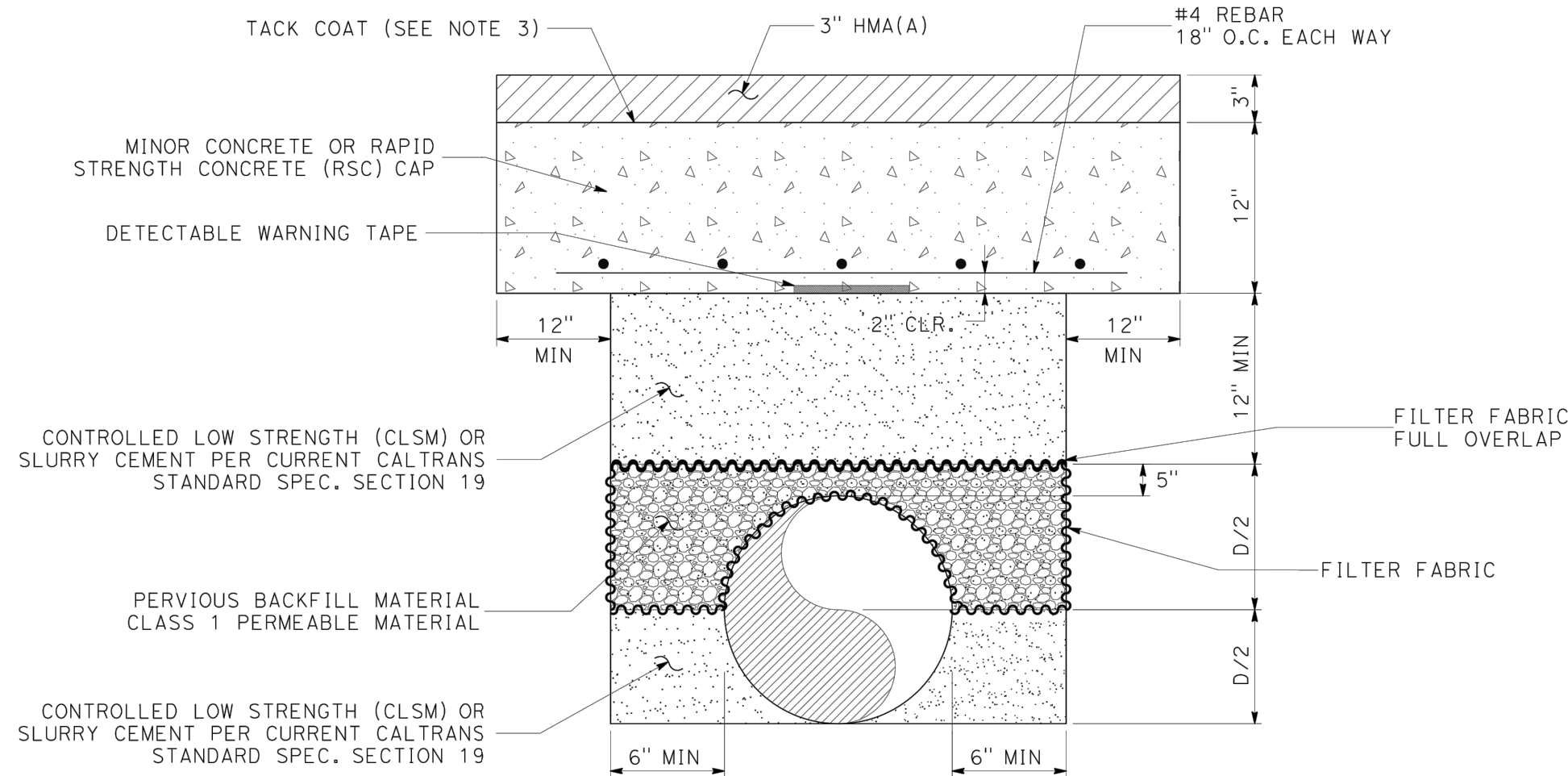
SCALE: 1" = 20'
 0 1" 20'
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING: **U-1**
 SHEET 8 OF 18

NOTES

- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET GN-1 AND GN-2.
- CONTRACTOR TO MATCH THE CROWN OF THE PROPOSED LATERAL TO THE EXISTING SEWER PER NAPASAN 2024 VOLUME II SECTION 10.28C
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL TIE-IN POINTS AND CROSSINGS PRIOR TO UTILITY INSTALLATION.
- CONTRACTOR TO NOTIFY ENGINEER AND NVTA OF ANY CONFLICTS PRIOR TO STARTING WORK.
- A MINIMUM OF 1.0' OF VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN UTILITY CROSSINGS UNLESS OTHERWISE NOTED.
- PROVIDE MINIMUM 1.0' SAND CUSHION OR MINIMUM 6" SAND CUSHION WITH 1" NEOPRENE PAD FOR ALL CROSSINGS WHERE VERTICAL CLEARANCES ARE 7" TO 1.0'. CROSSINGS WHERE VERTICAL CLEARANCES ARE 6" OR LESS SHALL BE PER NAPASAN STANDARD DETAILS SS-3 OR SS-4.
- PROPOSED SEWER LATERAL SHALL COMPLY WITH NAPA SANITATION DISTRICT (NAPASAN) SANITARY SEWER AND RECYCLED WATER STANDARDS VOLUME II AND STANDARD DETAILS SS-1, SS-2, SS-7, SS-13, AND SS-29.
- PROPOSED WATER SERVICE SHALL COMPLY WITH CITY OF NAPA STANDARD SPECIFICATIONS AND STANDARD DRAWINGS W-2B, W-6A, W-12, W-13A, W-16A, W-20A, W-22A, AND W-22B.
- EXISTING UTILITIES HAVE NOT BEEN POTHOLED UNLESS OTHERWISE NOTED.

CASE 4: FOR TRAFFIC INDEX (TI) GREATER THAN 12
HIGH GROUNDWATER TABLE CONDITIONS EXIST WITHIN THE TRENCH



LEGEND:

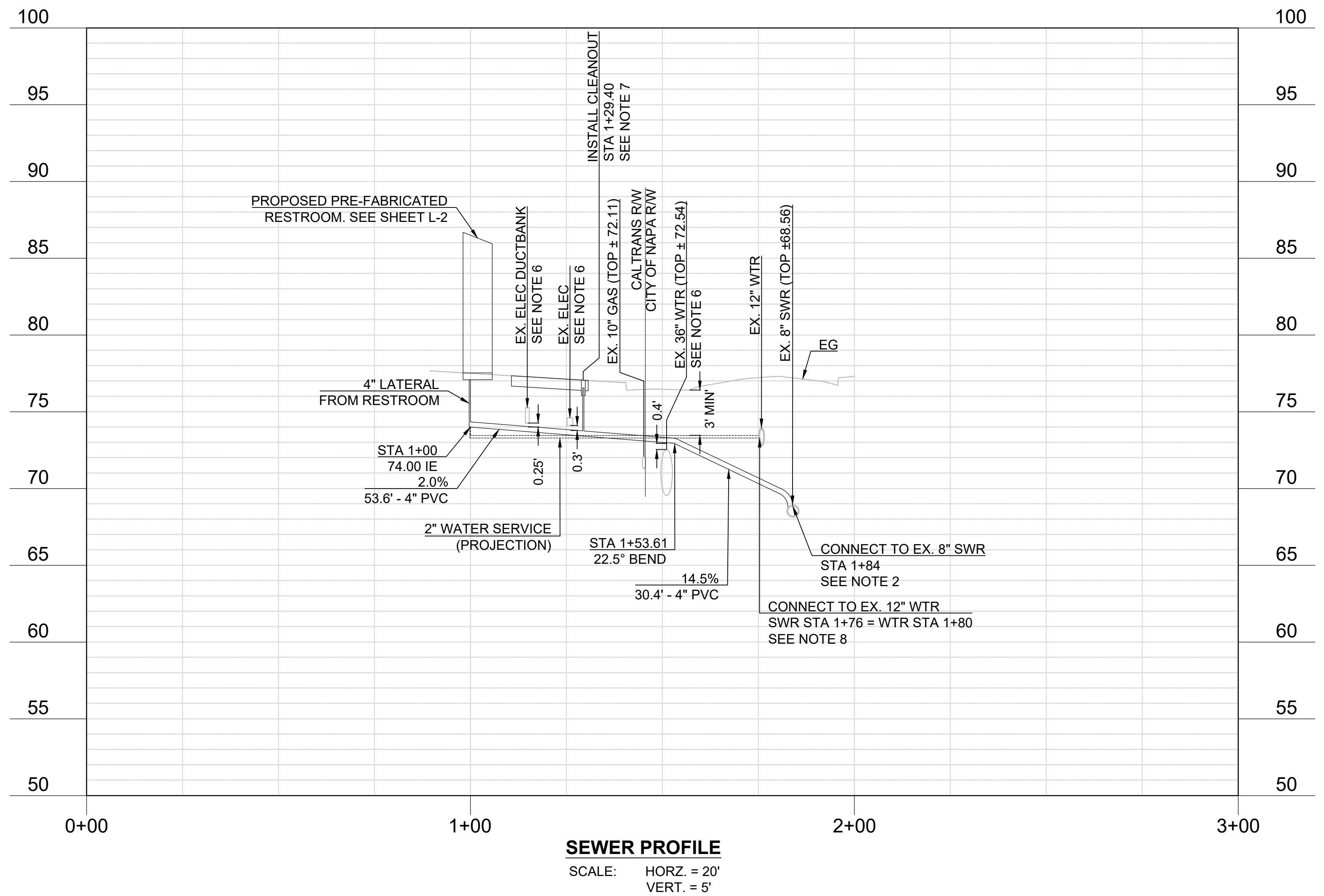
- MINOR CONCRETE
- HOT MIX ASPHALT
- PERVIOUS BACKFILL MATERIAL
- SLURRY CEMENT OR CLSM BACKFILL

NOTES:

- IF RAPID STRENGTH CONCRETE IS USED FOR CONCRETE CAP, YOU MAY REPLACE THE CLSM WITH LEAN CONCRETE BACKFILL OR RSC DEPENDING UPON THE PROJECTS CONSTRAINTS.
- TACK COAT (ASPHALTIC EMULSION) SHALL BE APPLIED PRIOR TO PLACING HMA(A).
- ALL TRENCH WORK SUBJECT TO STATE REGULATIONS AND INSPECTION.
- USE OF THIS DETAIL IS APPLICABLE IF HIGH GROUNDWATER CONDITIONS EXIST WITHIN THE TRENCH.

ABBREVIATIONS:

- RSC = RAPID STRENGTH CONCRETE
- HMA(A) = HOT MIX ASPHALT TYPE A
- CLSM = CONTROLLED LOW-STRENGTH MATERIAL
- CLR = CLEARANCE



SEWER PROFILE
SCALE: HORZ. = 20'
VERT. = 5'

PLOT DATE: Aug 07, 2025 - 1:24pm FILE: T:\0\TYlin-04K\P\3010.0100806.005\600_DSGN\Highway\07_Addendum_Permit_04-25-X-XX-0874\04_Sheets\23-06E12-ED5_04_U.dwg

No.	DATE	REVISION	BY	APPD
1	8/7/2025	BASED ON CALTRANS COMMENTS & INTERNAL REVIEW	JL	MA

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1111 BROADWAY SUITE 1450
OAKLAND, CALIFORNIA 94607
PHONE (510) 457-3030 FAX (510) 457-3055

REGISTERED PROFESSIONAL ENGINEER
M. S. ALIKHAN
No. C84203
Exp. 9-30-25
STATE OF CALIFORNIA

NVTA
NAPA VALLEY TRANSPORTATION AUTHORITY
625 BURNELL STREET
NAPA, CA 94559
www.nvta.ca.gov

REDWOOD PARK AND RIDE
CAPITAL IMPROVEMENTS PROJECT
SEWER LATERAL AND WATER SERVICE PROFILE
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17	SCALE: 1" = 20'
FEDERAL PROJECT: N/A	DESIGNED BY: M. ALIKHAN
CHECKED BY: S. HUYNH	DATE: 06/2025
DRAWN BY: M. STICKELMAIER	DATE: 06/2025

NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

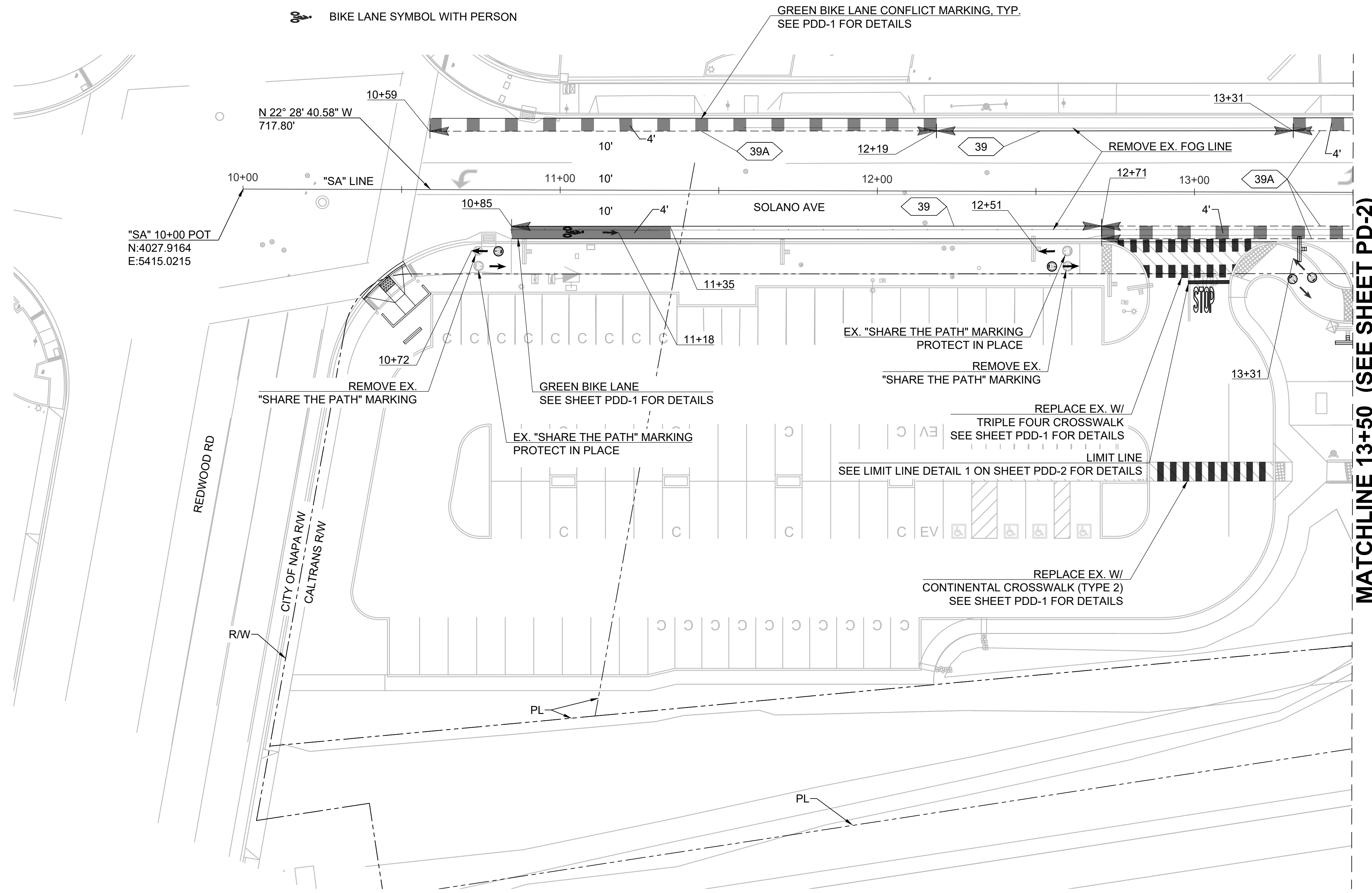
U-2
SHEET 9 OF 18

NOTES

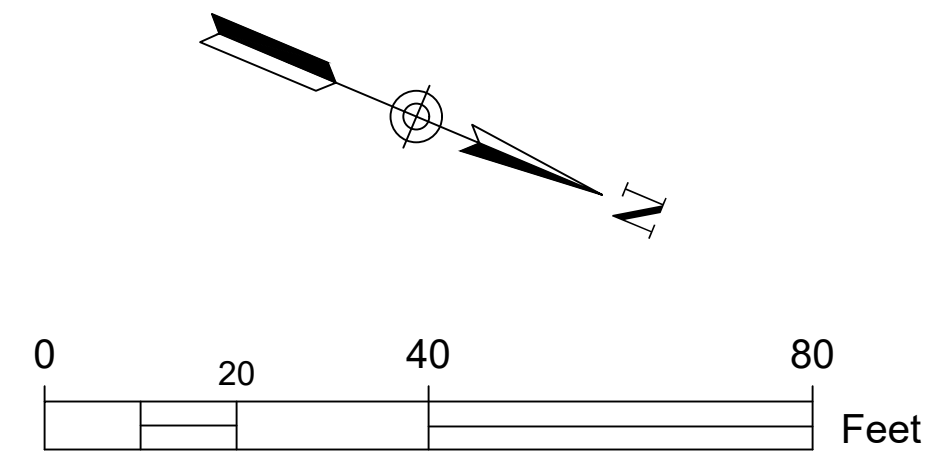
- FOR GENERAL NOTES, SEE SHEET GN-1. FOR ABBREVIATIONS AND LEGEND, SEE SHEET GN-2.
- ALL EXISTING PAVEMENT MARKINGS IMPACTED BY THE PROJECT ON SOLANO AVE SHALL BE REPLACED PER 2024 CALTRANS STANDARD PLANS (A20A AND A20B). ALL EXISTING PAVEMENT MARKINGS IMPACT BY THE PROJECT WITHIN THE PARK LOT SHALL BE REPLACED PER 2022 CITY OF NAPA STD PLAN (S-23 AND S-24)
- ALL NEW / REPLACED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND MEET CITY OF NAPA AND CALTRANS STANDARDS.
- REMOVE ALL CONFLICTING TRAFFIC STRIPES, PAVEMENT MARKINGS, AND PAVEMENT MARKERS.

LEGEND

- TYPE I (18") ARROW, SEE DETAIL ON PDD-1
- BIKE LANE ARROW
- "BUSES" PAVEMENT MARKING WORD, SEE DETAIL ON SHEET PDD-1.
- "ONLY" PAVEMENT MARKING WORD, SEE DETAIL ON SHEET PDD-1.
- "STOP" PAVEMENT MARKING WORD, SEE DETAIL ON SHEET PDD-1.
- BIKE AND PEDESTRIAN SHARE THE PATH DETAIL
- BIKE LANE SYMBOL WITH PERSON
- BEGIN/END OF TRAFFIC STRIPE DETAIL
- CHANGE OF TRAFFIC STRIPE DETAIL
- TRAFFIC STRIPE DETAIL No.
- 6" DASHED YELLOW THERMOPLASTIC STRIPE FOR BIKE CENTER LANE LINES DETAIL ON SHEET PDD-1.



MATCHLINE 13+50 (SEE SHEET PD-2)



PLOT DATE: Jun 24, 2025 - 11:26am FILE: F:\O\TYlin-OAK\F\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-06E12-E05_05_PD.dwg

No.	DATE	REVISION	BY	APPD

TYlin
 1111 BROADWAY SUITE 1450
 OAKLAND, CALIFORNIA 94607
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 NAPA, CA 94559
 www.nvta.ca.gov

REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
PAVEMENT DELINEATION PLAN
NAPA VALLEY TRANSPORTATION AUTHORITY

APPROVED -- PRINCIPAL ENGINEER DATE RECOMMENDED -- PROJECT MANAGER DATE

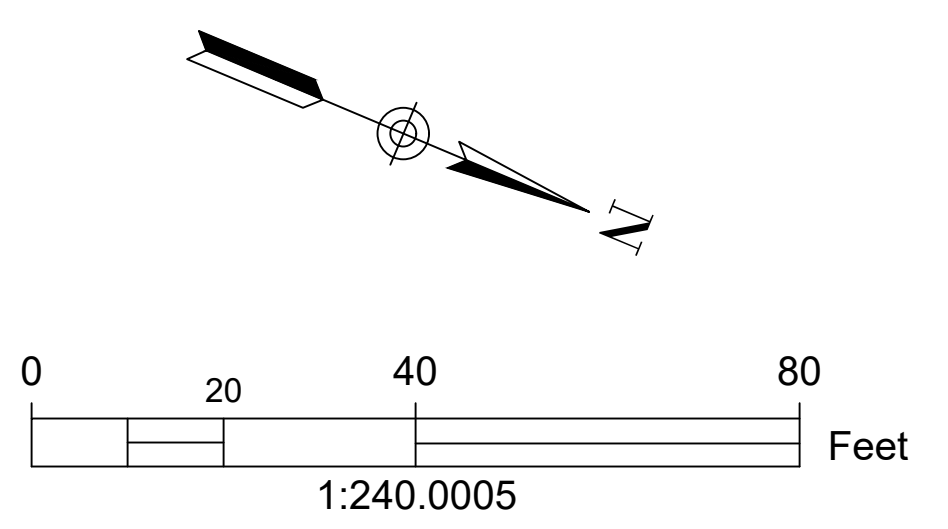
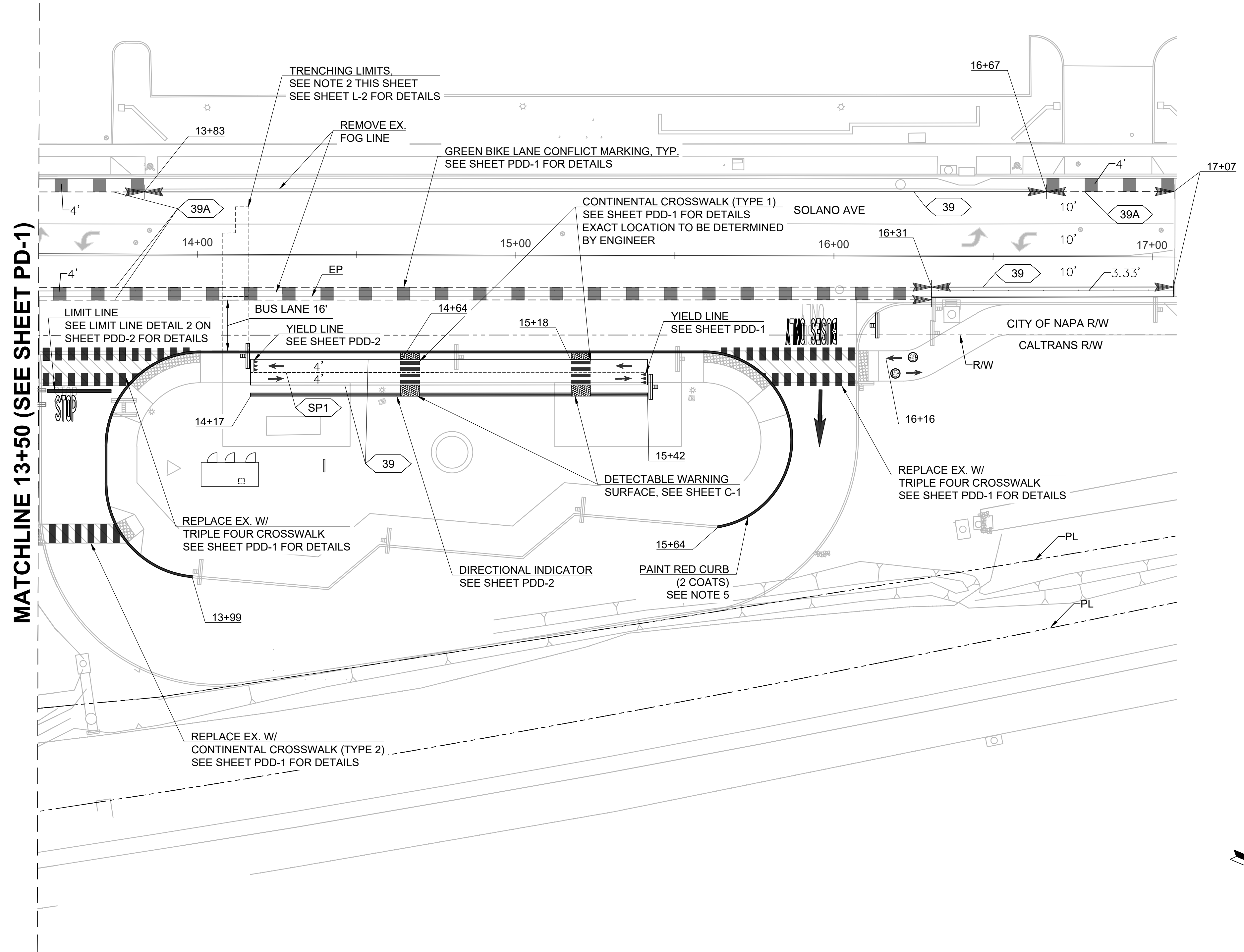
PROJECT NUMBER: 25-C17
 FEDERAL PROJECT: N/A
 DESIGNED BY: M. ALIKHAN CHECKED BY: S. HUYNH
 DRAWN BY: M. STICKELMAIER DATE: 06/2025

SCALE: 1" = 20'
 0 20 40 80 Feet
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING: **PD-1**
 SHEET 10 OF 18

NOTES

- FOR GENERAL NOTES, SEE SHEET GN-1. FOR ABBREVIATIONS AND LEGEND, SEE SHEET GN-2.
- ALL EXISTING PAVEMENT MARKINGS IMPACTED BY THE PROJECT ON SOLANO AVE SHALL BE REPLACED PER 2024 CALTRANS STANDARD PLANS (A20A AND A20B). ALL EXISTING PAVEMENT MARKINGS IMPACT BY THE PROJECT WITHIN THE PARK LOT SHALL BE REPLACED PER 2022 CITY OF NAPA STD PLAN (S-23 AND S-24).
- ALL NEW / REPLACED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND MEET CITY OF NAPA STANDARDS
- REMOVE ALL CONFLICTING TRAFFIC STRIPES, PAVEMENT MARKINGS, AND PAVEMENT MARKERS.
- REMOVE EXISTING PAINT AND REPLACE WITH (2-COAT) RED WITH 3" HIGH WHITE LETTERING "FIRE LANE NO PARKING" AT MAX 20 FT SPACING PER CITY STD FP-3.



PLOT DATE: Jun 24, 2025 - 11:24am FILE: F:\O\TYlin-OAK\F\3010.01\00806.005\600_DSGN\Highway\04_Sheets\23-06E12-E05_05_PD.dwg

No.	DATE	REVISION	BY	APPD
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REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
PAVEMENT DELINEATION PLAN
NAPA VALLEY TRANSPORTATION AUTHORITY

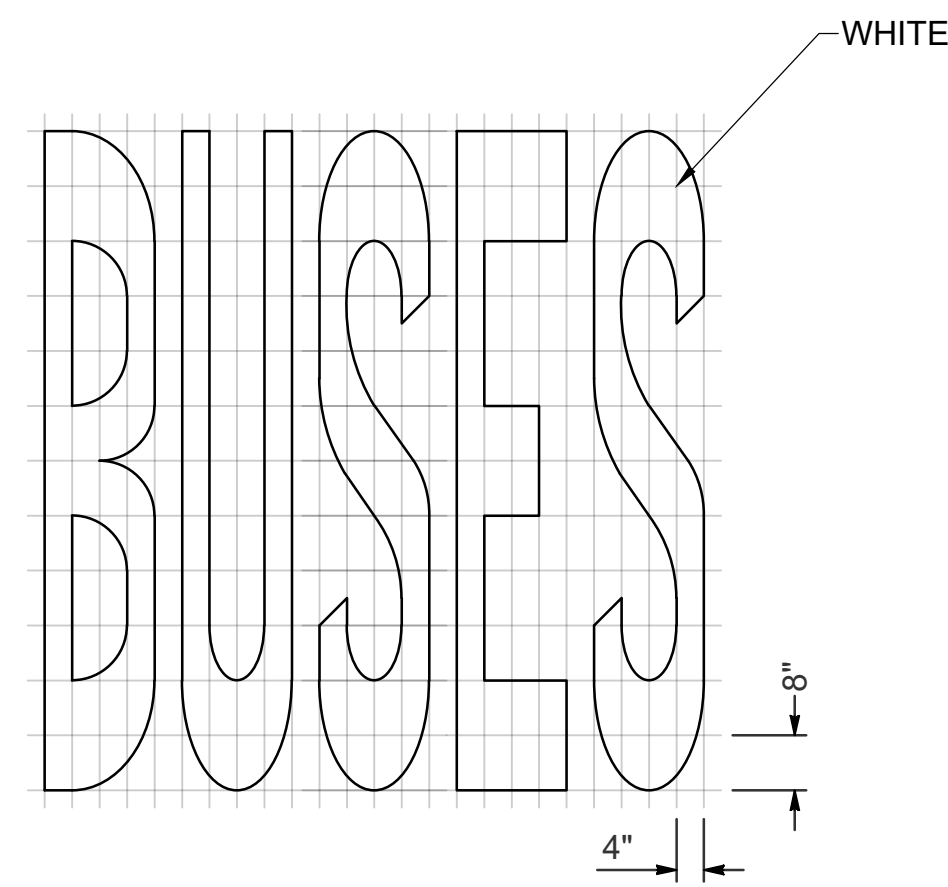
APPROVED -- PRINCIPAL ENGINEER DATE RECOMMENDED -- PROJECT MANAGER DATE

PROJECT NUMBER: 25-C17
 FEDERAL PROJECT: N/A
 DESIGNED BY: M. ALIKHAN CHECKED BY: S. HUYNH
 DRAWN BY: M. STICKELMAIER DATE: 06/2025

SCALE: 1" = 20'
 0 1" NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

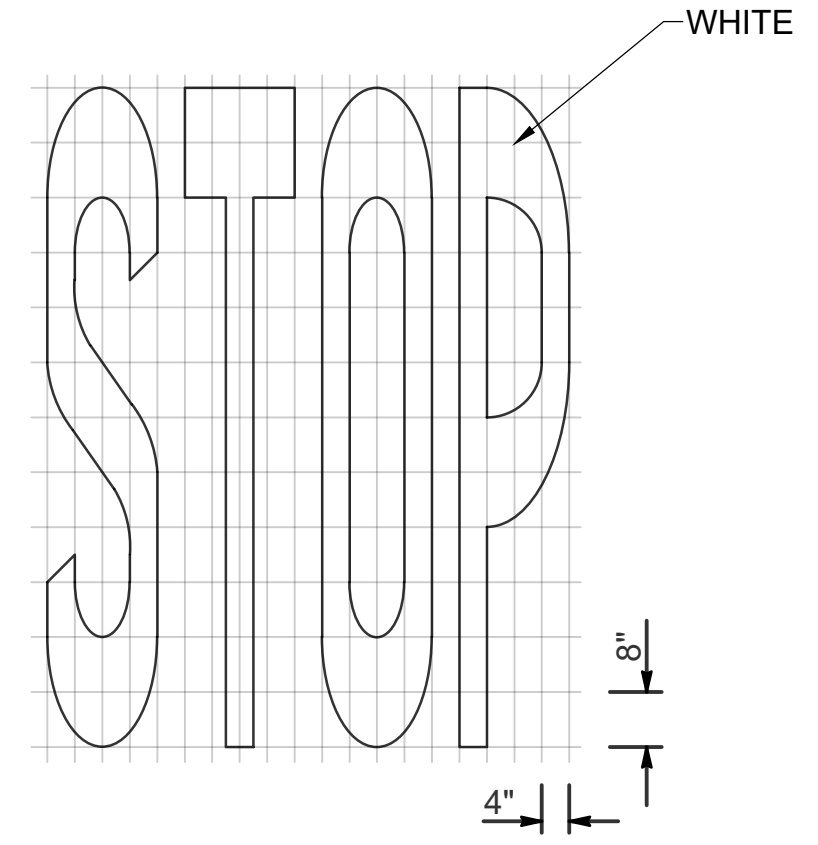
DRAWING: **PD-2**
 SHEET 11 OF 18

FILE: F:\O\TYlin-04K\F\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-06E12-E05_05_PD.dwg
 PLOT DATE: Jun 24, 2025 - 11:22am



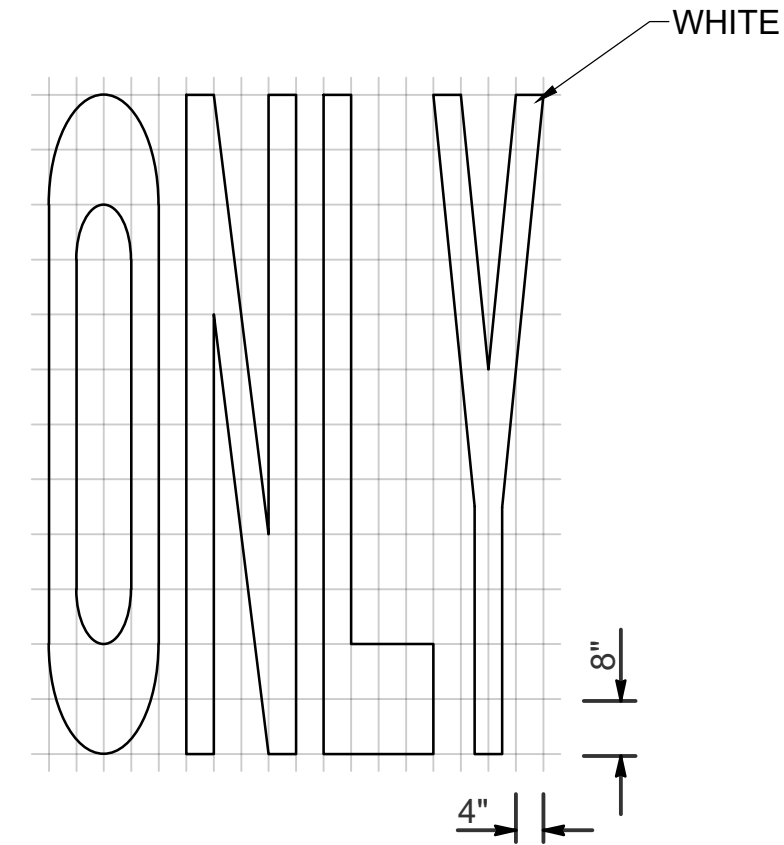
A=33 SQFT

"BUSES" WORD



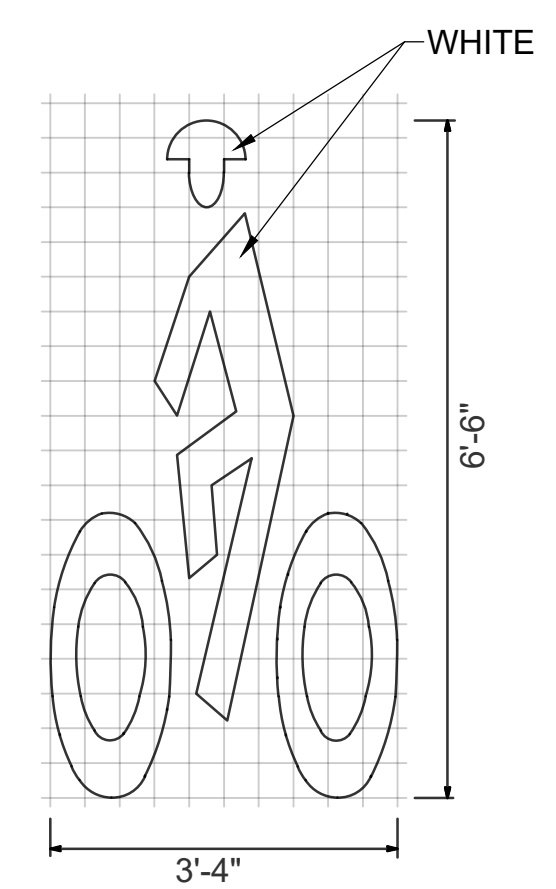
A=22 SQFT

"STOP" WORD



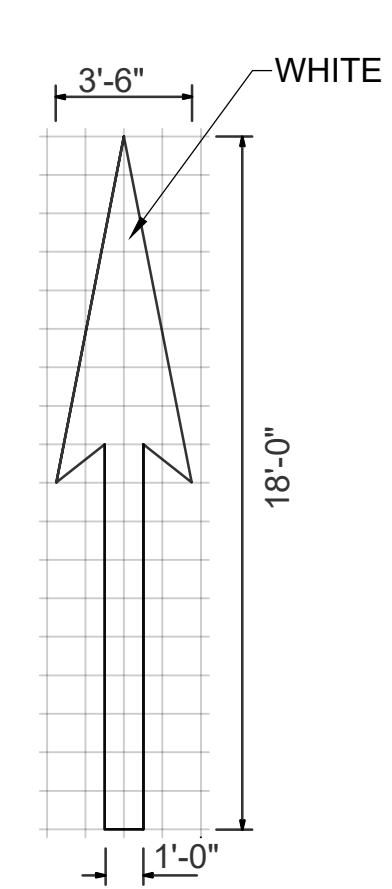
A=22 SQFT

"ONLY" WORD



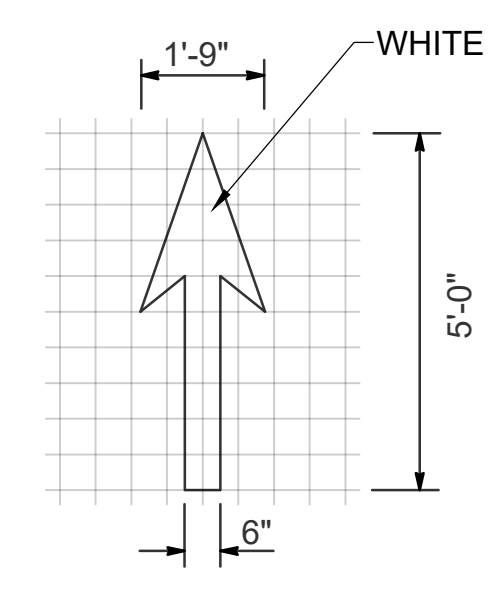
4" GRID
A=7 SQFT

BIKE LANE SYMBOL WITH PERSON



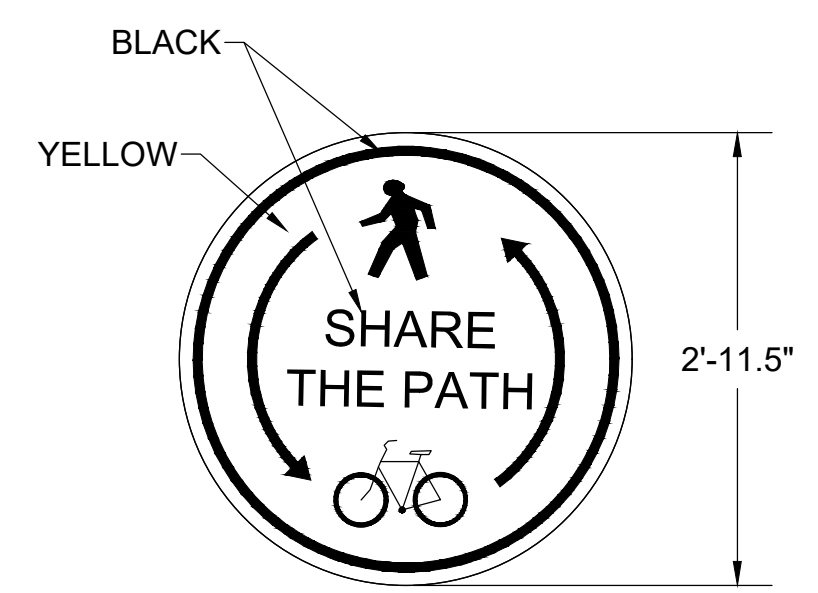
1"-0" GRID
A=25 SQFT

TYPE 1 18'-0" ARROW

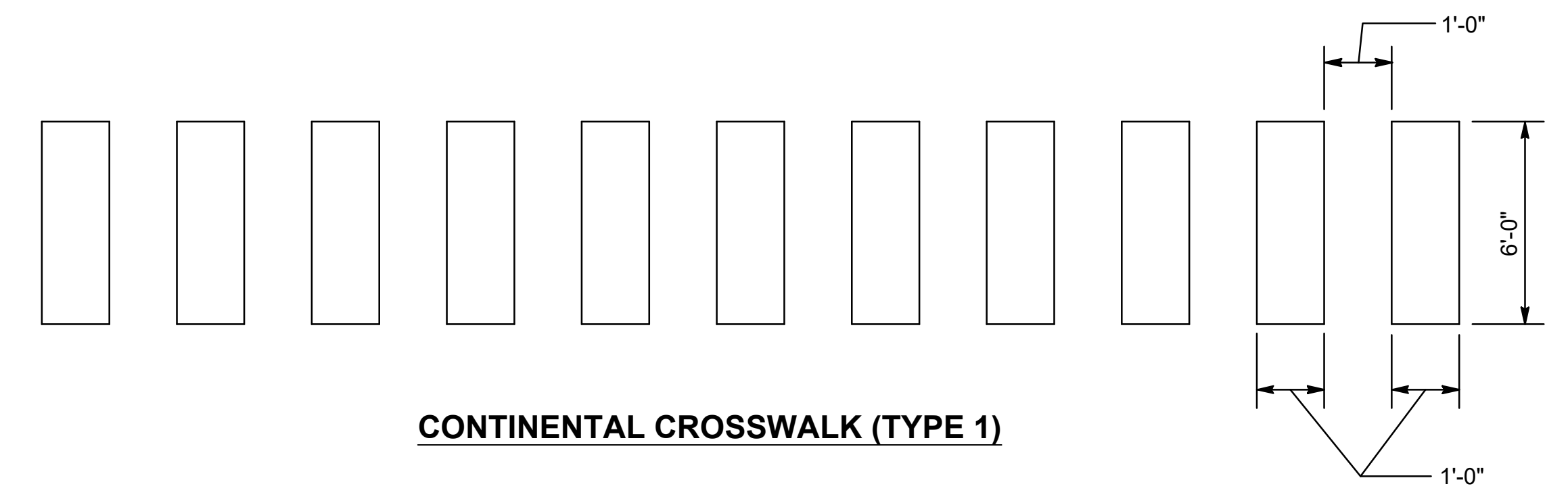


6" GRID
A=3.5 SQFT

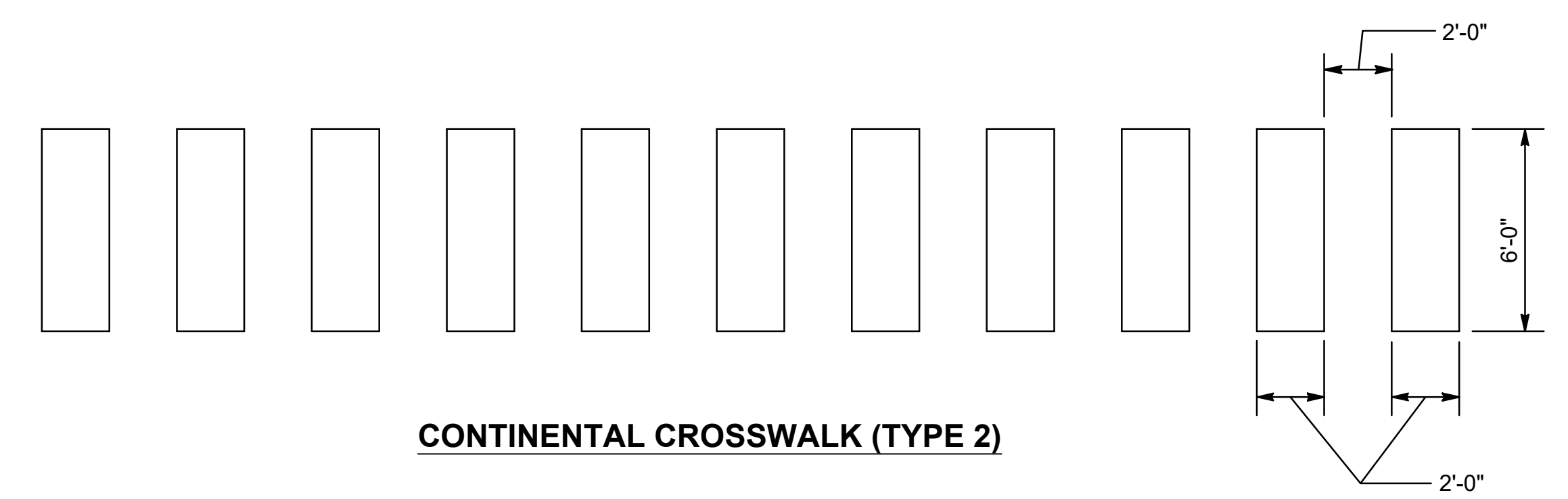
BIKE LANE ARROW



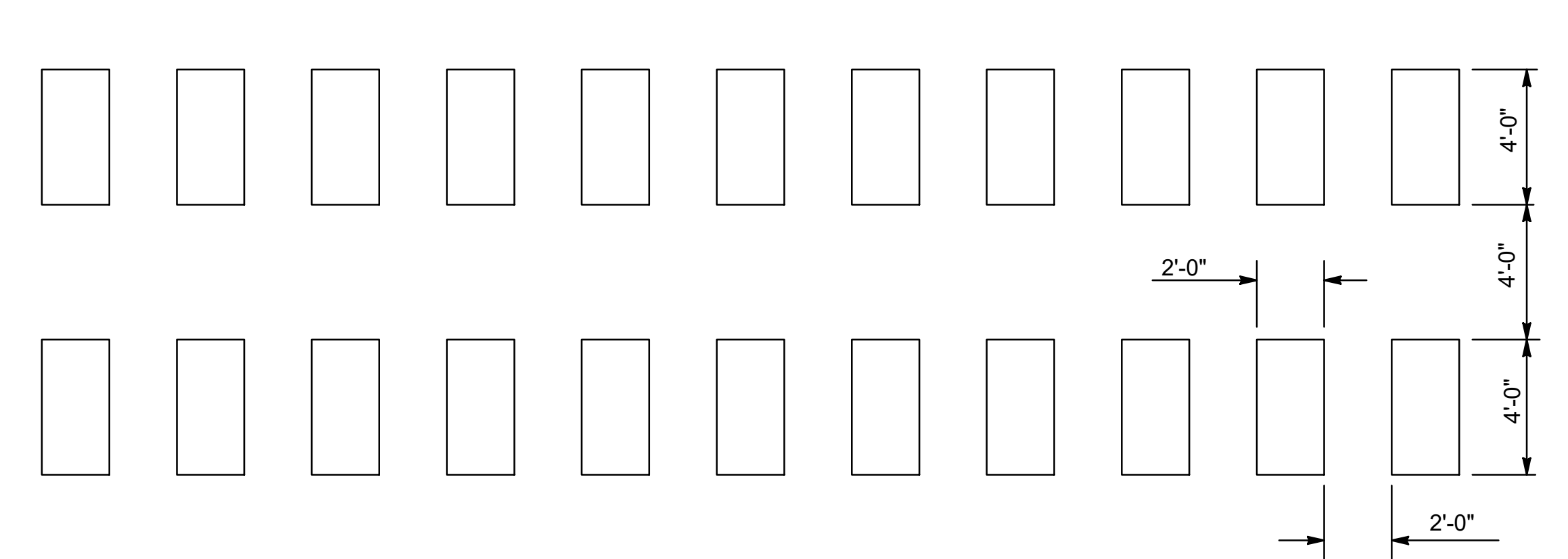
BIKE/PED SHARED PATH MARKING



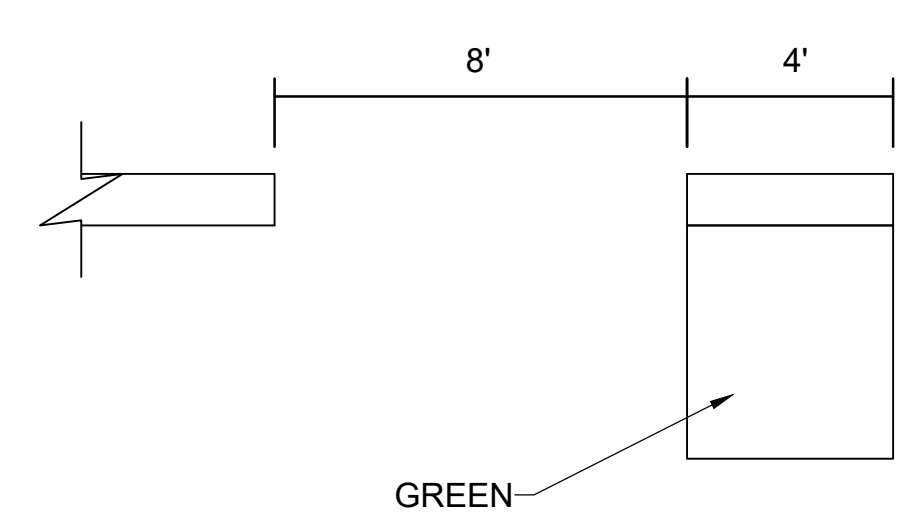
CONTINENTAL CROSSWALK (TYPE 1)



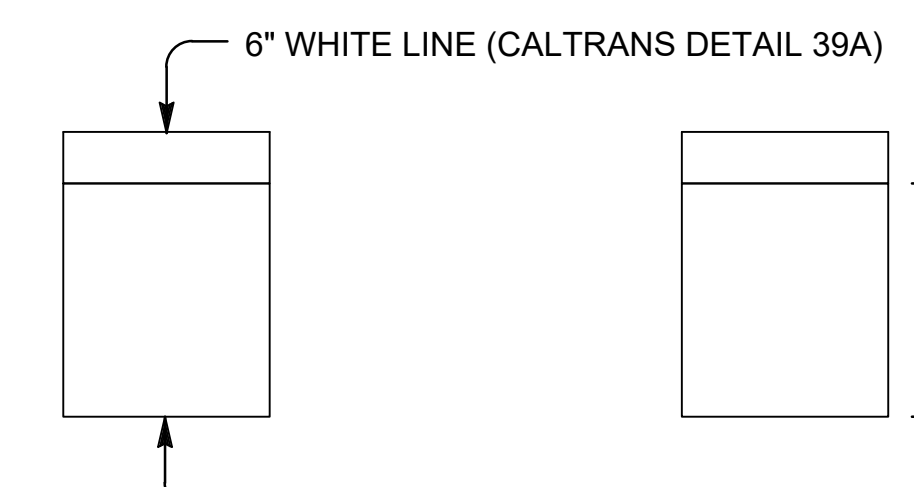
CONTINENTAL CROSSWALK (TYPE 2)



TRIPLE FOUR CROSSWALK



BIKE LANE CONFLICT MARKING



YIELD LINE



SP1 BIKE CENTER LANE LINE

NOTE 1: EDGE OF PAVEMENT OR 6" WHITE LINE WHERE BIKE LANE IS ADJACENT TO BUS LANE.
 NOTE 2: 4FT MINIMUM WITHOUT GUTTER OR 5FT MINIMUM WITH GUTTER CONSISTENT WITH MUTCD FIGURE 9C-102(CA).

No.	DATE	REVISION	BY	APPD

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NVTA
 NAPA VALLEY TRANSPORTATION AUTHORITY
 625 BURNELL STREET
 NAPA, CA 94559
 www.nvta.ca.gov

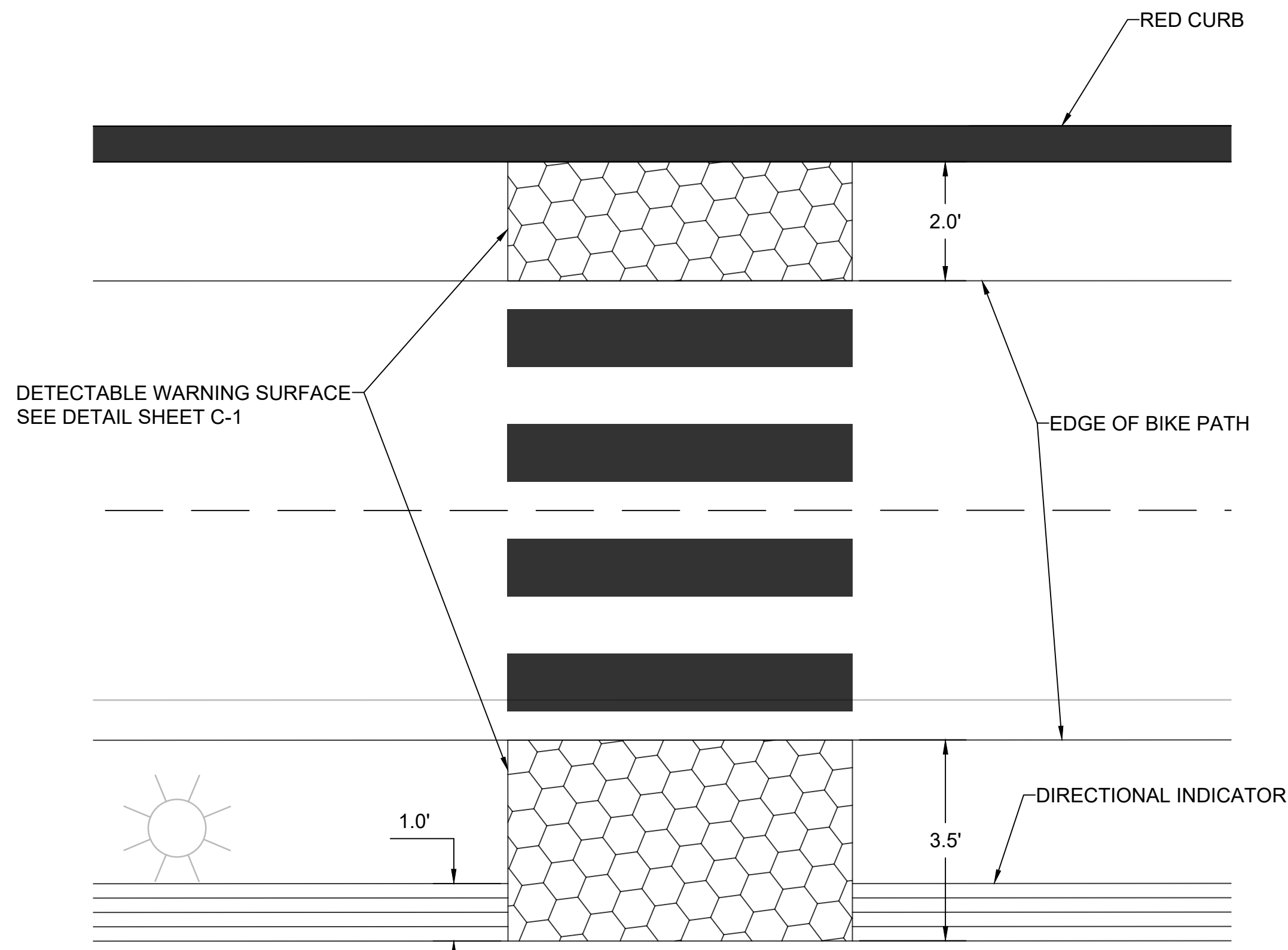
REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
PAVEMENT DELINEATION DETAIL
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17
 FEDERAL PROJECT: N/A
 DESIGNED BY: M. ALIKHAN
 CHECKED BY: S. HUYNH
 DRAWN BY: M. STICKELMAIER
 DATE: 06/2025

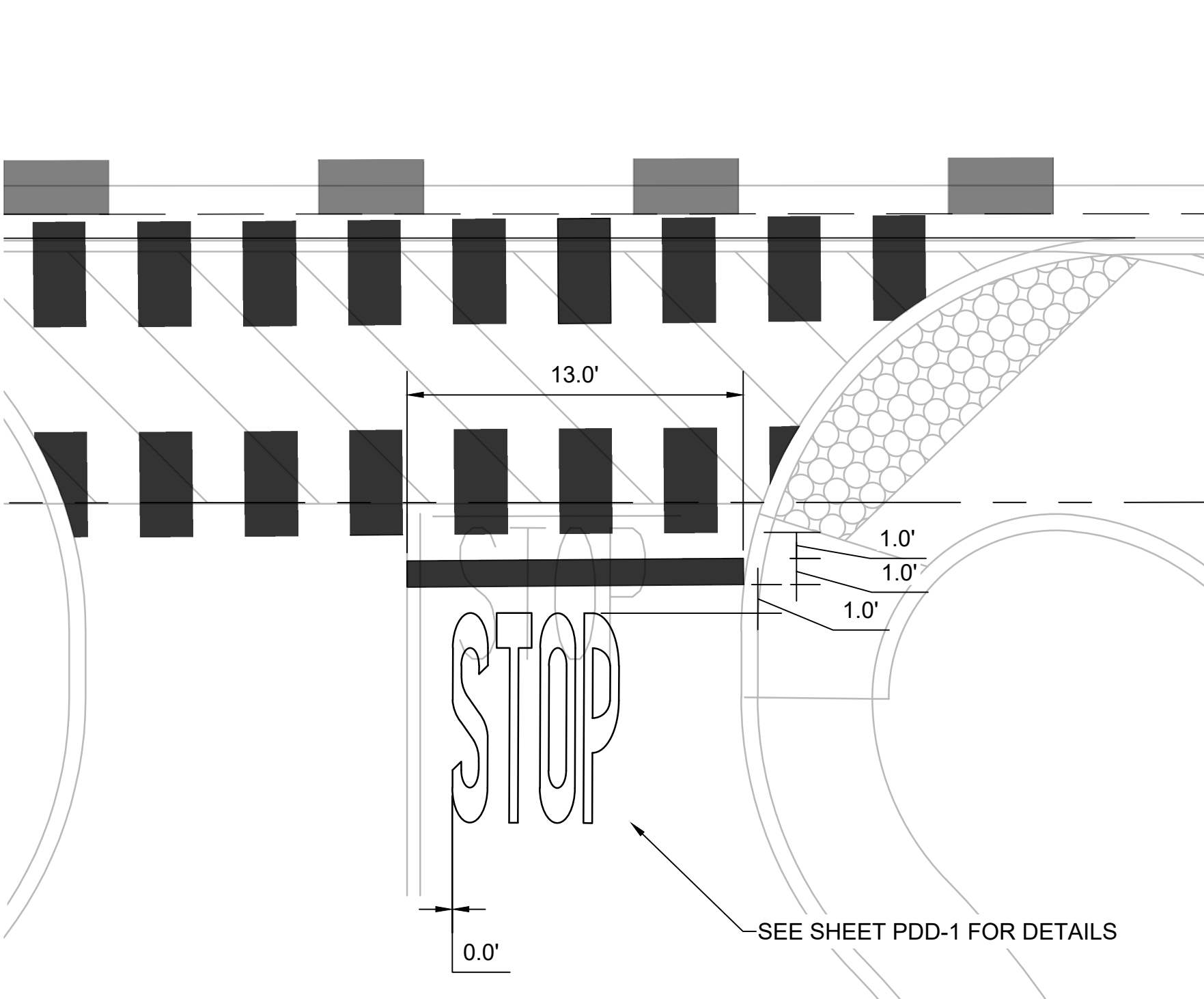
SCALE: AS SHOWN
 0 |-----| 1"
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

PDD-1
 SHEET 12 OF 18

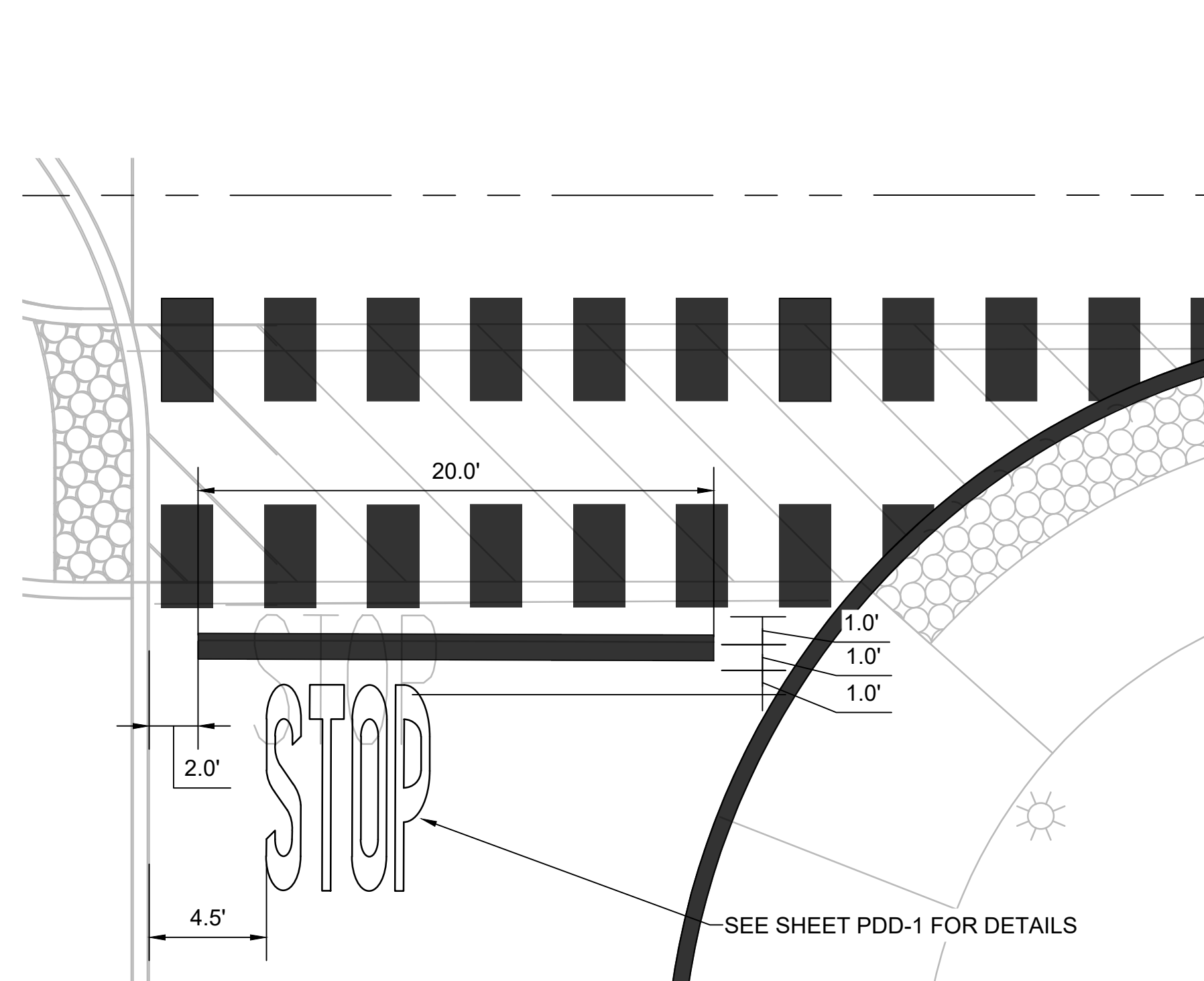
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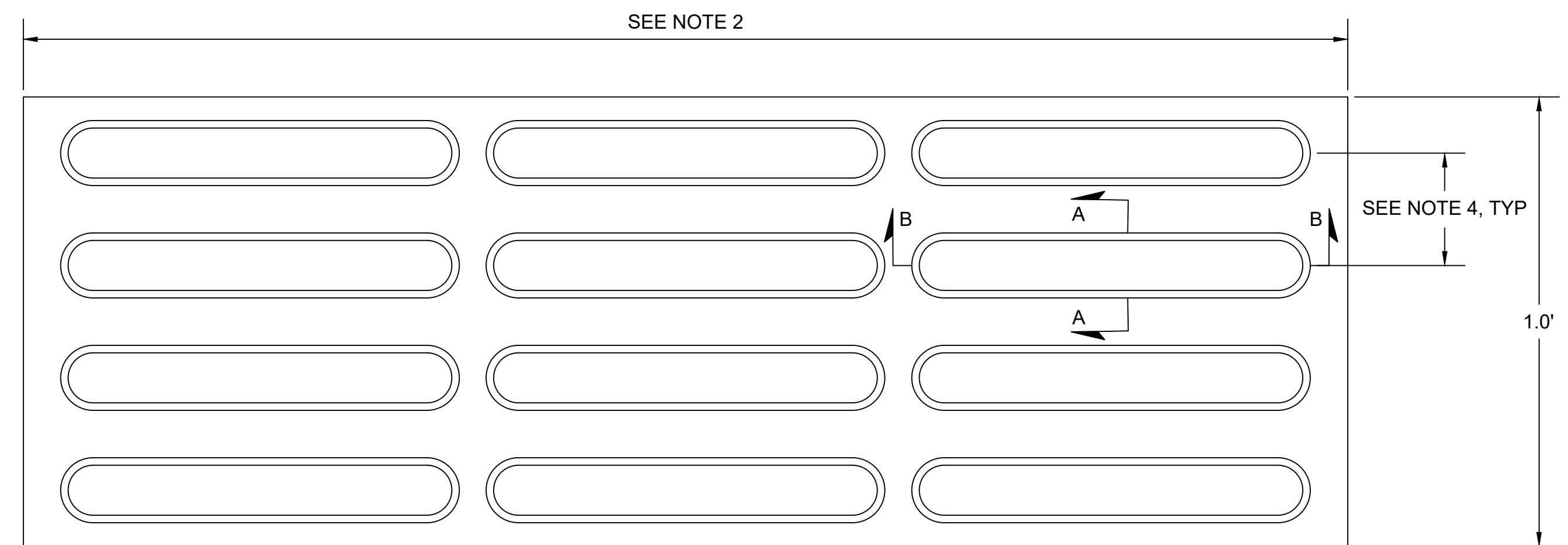
CROSSWALK AND DETECTABLE WARNING SURFACE DETAIL
1" = 2'



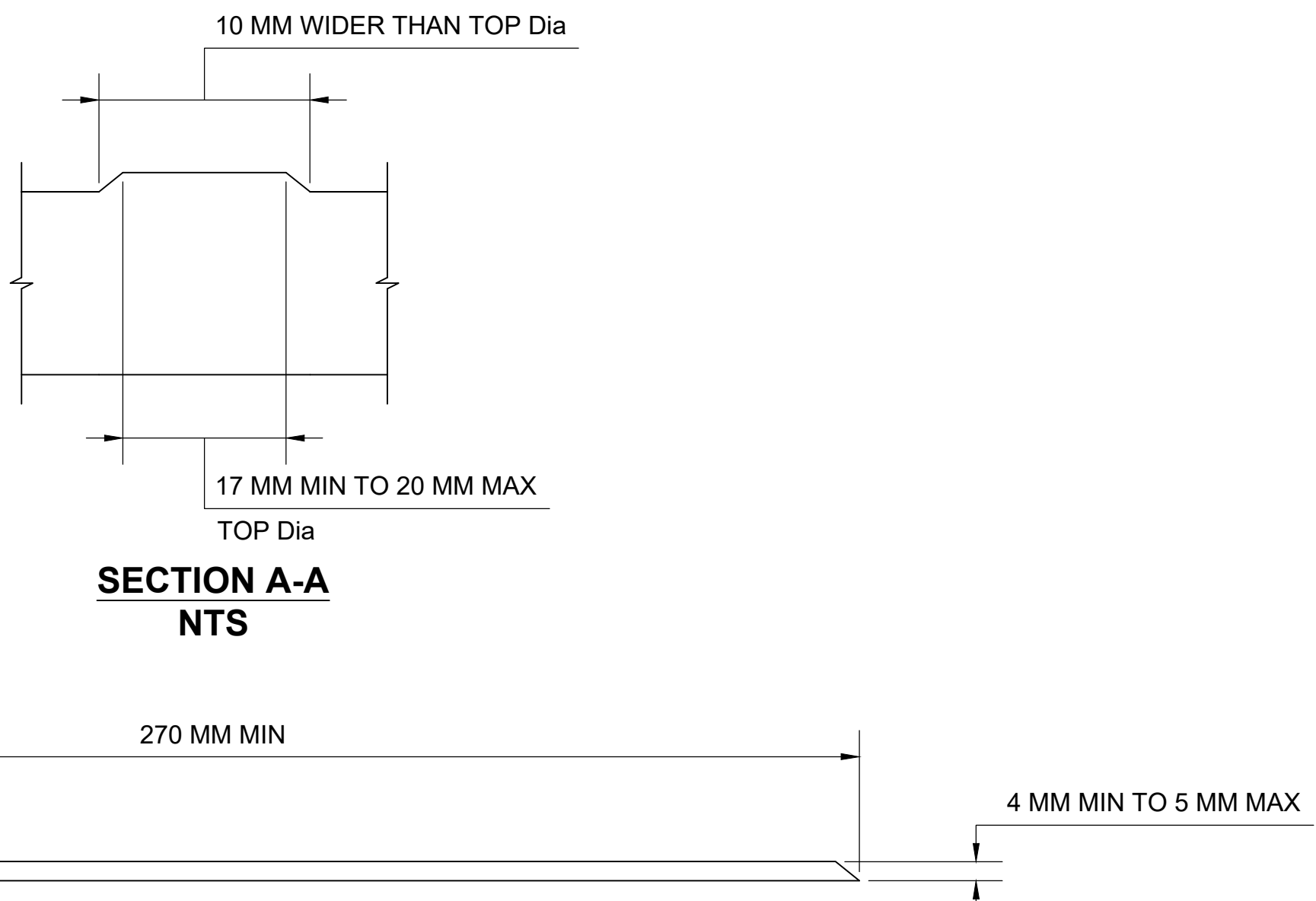
LIMIT LINE DETAIL 1
1" = 5'



LIMIT LINE DETAIL 2
1" = 5'



DIRECTIONAL INDICATOR DETAIL
NTS



SECTION A-A
NTS

SECTION B-B
NTS

NOTE 1: INSTALL DIRECTIONAL INDICATOR AS SHOWN IN THE PLANS.
 NOTE 2: PANEL LENGTHS CAN VARY BASED ON VENDOR REQUIREMENTS AND ARE NOT LIMITED TO THREE ROWS OF RAISED BARS AS SHOWN.
 NOTE 3: PANEL WIDTHS CAN VARY BASED ON VENDOR REQUIREMENTS.
 NOTE 4: SPACING SHALL BE IN ACCORDANCE WITH ISO 23599-2012

No.	DATE	REVISION	BY	APPD
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△				

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 OAKLAND, CALIFORNIA 94607
 PHONE (510) 457-3030 FAX (510) 457-3055

REGISTERED PROFESSIONAL ENGINEER
 M. R. S. ALIKHAN
 No. CB4203
 Exp. 9-30-25
 CIVIL ENGINEER
 STATE OF CALIFORNIA

NVTA
 NAPA VALLEY TRANSPORTATION AUTHORITY
 625 BURNELL STREET
 NAPA, CA 94559
 www.nvta.ca.gov

REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
PAVEMENT DELINEATION DETAIL
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17
 FEDERAL PROJECT: N/A
 DESIGNED BY: M. ALIKHAN
 CHECKED BY: S. HUYNH
 DRAWN BY: M. STICKELMAIER
 DATE: 06/2025

SCALE: AS SHOWN
 0 1" 1"
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING: **PDD-2**
 SHEET 13 OF 18

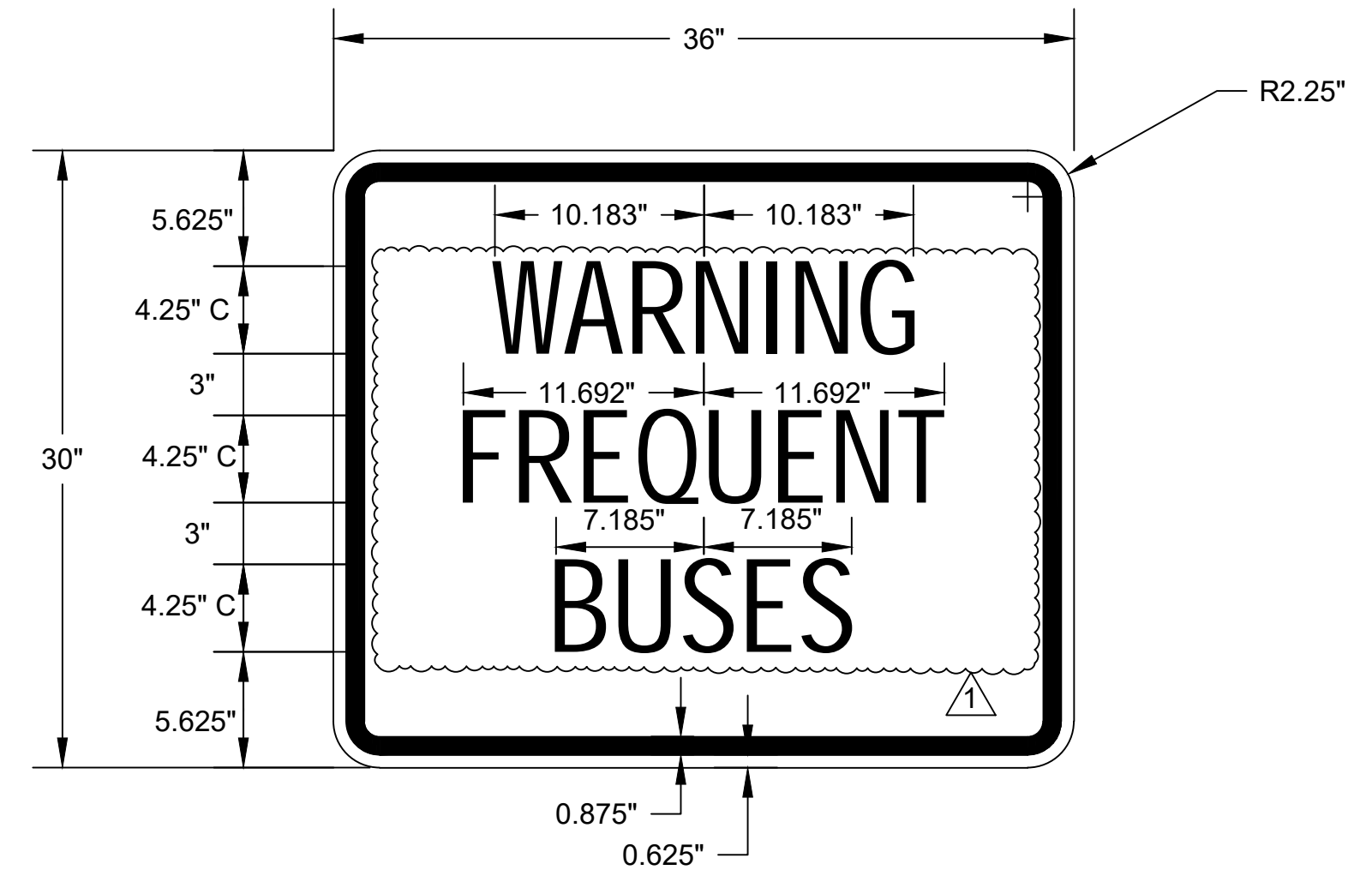
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NOTES

- FOR GENERAL NOTES, SEE SHEET GN-1. FOR ABBREVIATIONS AND LEGEND, SEE SHEET GN-2.
- ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL TO REMAIN IN PLACE.
- EXACT LOCATION AND POSITION OF SIGNS TO BE DETERMINED BY THE ENGINEER.

LEGEND

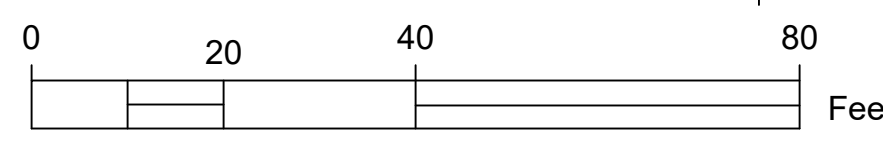
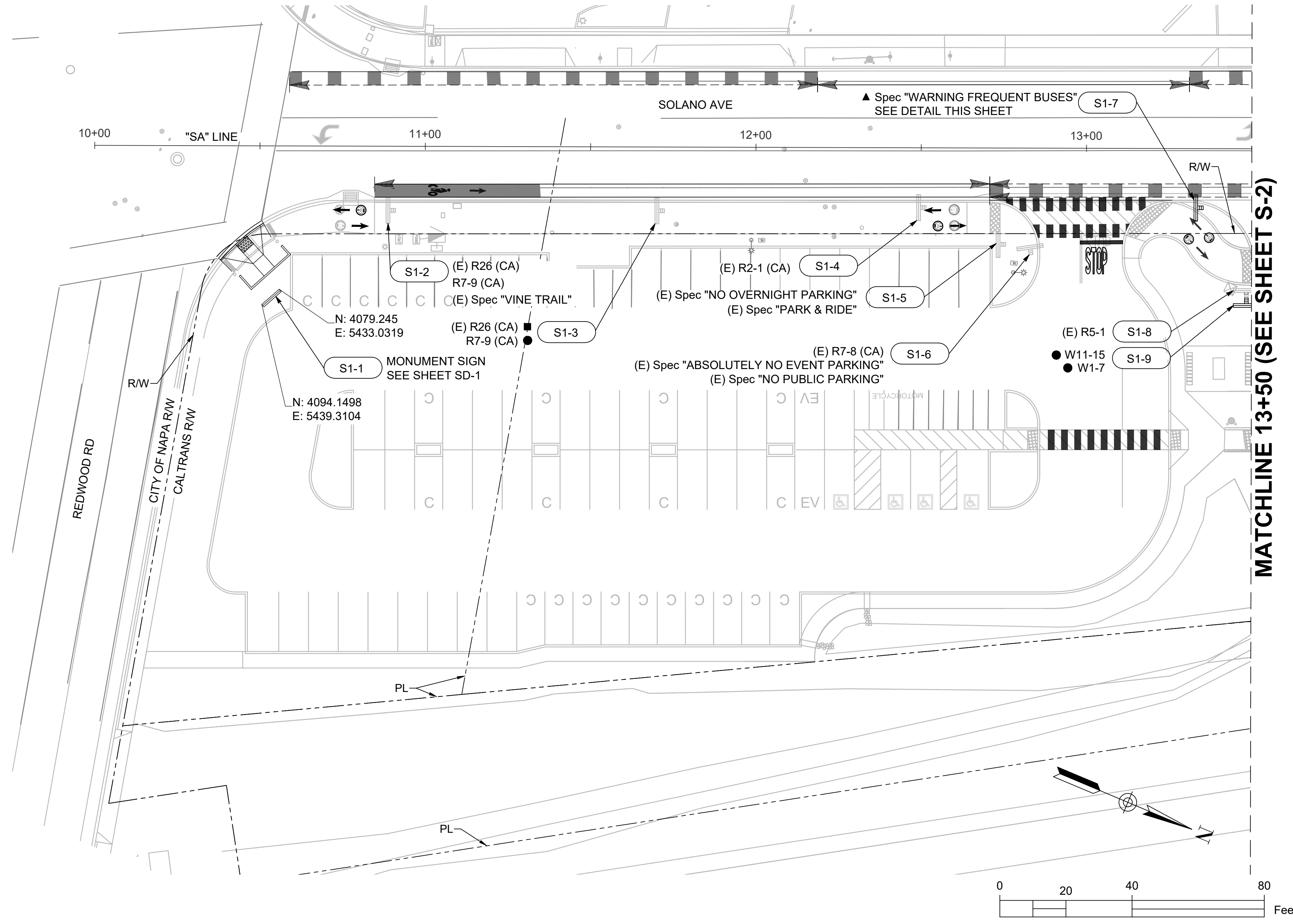
- XX-X ROADSIDE SIGN No.
- (CA) CALIFORNIA SIGN DESIGNATION SUFFIX
- EXISTING SIGN
- PROPOSED SIGN - ONE POST
- REMOVE ROADSIDE SIGN
- INSTALL ROADSIDE SIGN PANEL ON EXISTING SIGN POST
- INSTALL ROADSIDE SIGN PANEL ON 2 1/2" x 2 1/2" x 10 Ga PER CALTRANS STD PLAN RS1, RS5, AND RS6
- MONUMENT SIGN
- REAL TIME SIGN



WARNING FREQUENT BUSES SIGN DETAIL
1.5" = 1'

COLORS:
TEXT AND BORDER - BLACK
BACKGROUND - YELLOW (RETROFLECTIVE)

FONT:
SERIES C 2000



No.	DATE	REVISION	BY	APPD
1	8/7/2025	BASED ON CALTRANS COMMENTS & INTERNAL REVIEW	JL	MA

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625 BURNELL STREET
NAPA, CA 94559
www.nvta.ca.gov

REDWOOD PARK AND RIDE
CAPITAL IMPROVEMENTS PROJECT
SIGN PLAN
NAPA VALLEY TRANSPORTATION AUTHORITY

APPROVED - PRINCIPAL ENGINEER DATE RECOMMENDED - PROJECT MANAGER DATE

PROJECT NUMBER: 25-C17
SCALE: 1" = 20'
FEDERAL PROJECT: N/A
DESIGNED BY: M. ALIKHAN CHECKED BY: S. HUYNH
DRAWN BY: M. STICKELMAIER DATE: 06/2025

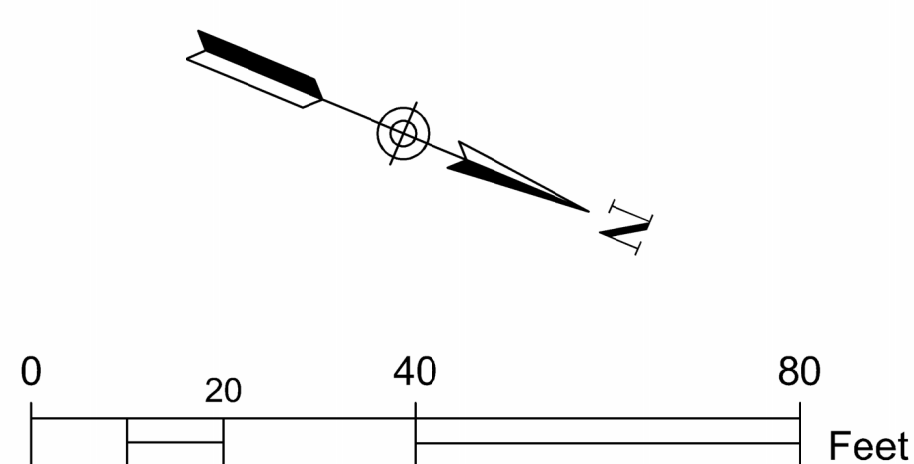
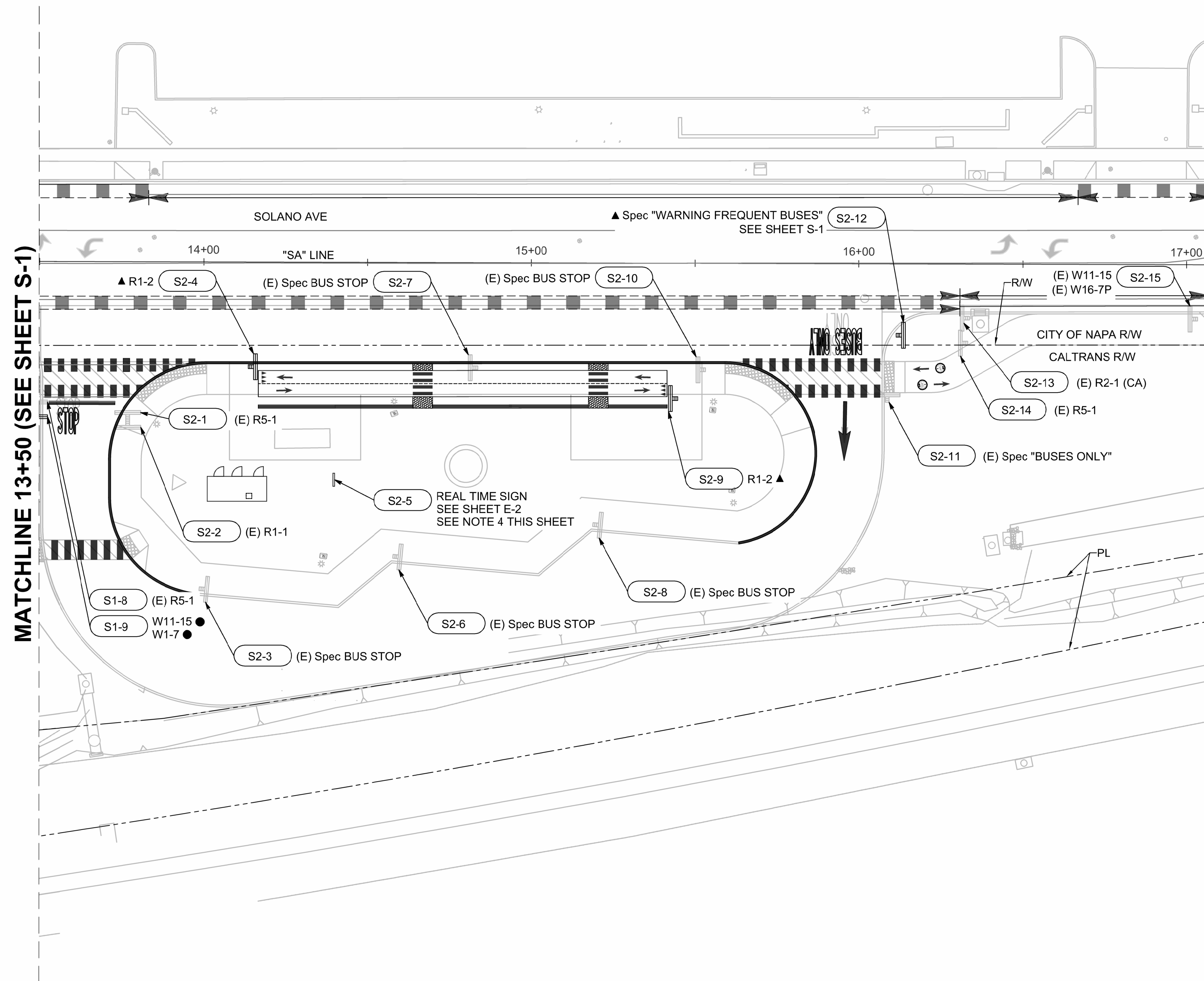
0 20 40 80 Feet
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

S-1
SHEET 14 OF 18

MATCHLINE 13+50 (SEE SHEET S-2)

NOTES

1. FOR GENERAL NOTES, SEE SHEET GN-1. FOR ABBREVIATIONS AND LEGEND, SEE SHEET GN-2.
2. ALL EXISTING SIGNS TO REMAIN IN PLACE.
3. EXACT LOCATION AND POSITION OF SIGNS TO BE DETERMINED BY THE ENGINEER.
4. REAL TIME SIGN SHALL BE PLACED SUCH THAT IT IS NOT VISIBLE TO DRIVERS ON SOLANO AVENUE OR REDWOOD ROAD.



PLOT DATE: Jul 29, 2025 - 11:25am FILE: T:\0\TYLin-OAK\04_Signs\Highway\04_Signs\23-0CE12-E05_05_S.dwg

No.	DATE	REVISION	BY	APPD
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 PHONE (510) 457-3030 FAX (510) 457-3055



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**REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
 SIGN PLAN**
NAPA VALLEY TRANSPORTATION AUTHORITY

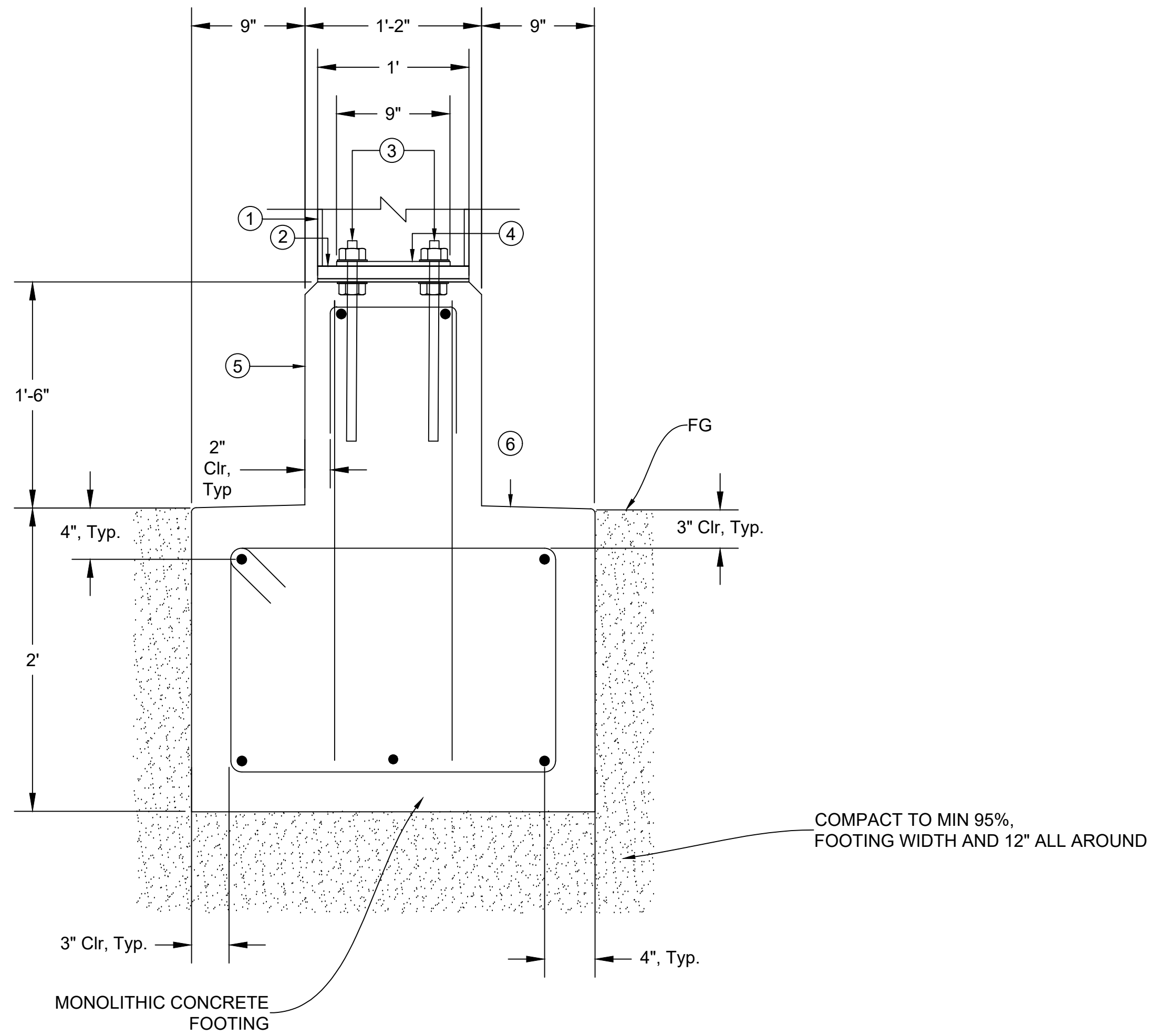
APPROVED - PRINCIPAL ENGINEER	DATE	RECOMMENDED - PROJECT MANAGER	DATE
-------------------------------	------	-------------------------------	------

PROJECT NUMBER: 25-C17	SCALE: 1" = 20'	DRAWING: S-2
FEDERAL PROJECT: N/A	0 20 40 80 Feet	
DESIGNED BY: M. ALIKHAN	CHECKED BY: S. HUYNH	NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.
DRAWN BY: M. STICKELMAIER	DATE: 06/2025	

SHEET 15 OF 18

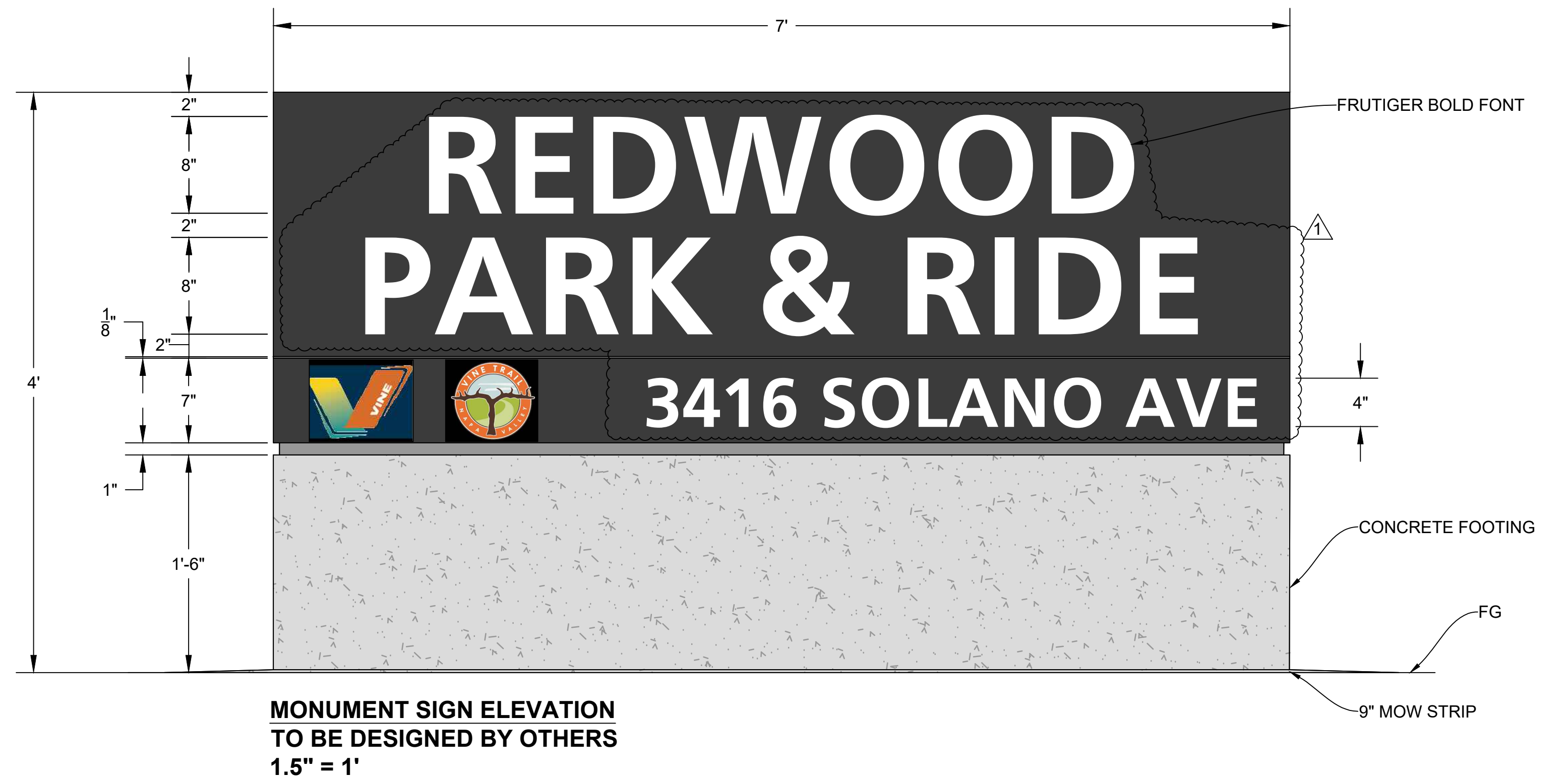
NOTES

1. THIS DETAIL SHEET IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL PROVIDE THE STRUCTURAL DETAILS PREPARED BY A CALIFORNIA-LICENSED CIVIL ENGINEER AND THE SIGN PANEL DESIGNED PER THE MONUMENT SIGN ELEVATION WITH APPROVAL FROM NVTA.



**MONUMENT SIGN FOOTING SECTION
TO BE DESIGNED BY OTHERS
1.5" = 1'**

- 1 ALUMINUM BOX SIGN WITH CUTOUTS TO RECEIVE PUSH-THROUGH LETTERFORMS. PAINT WITH LOW-VOC WEATHERPROOF ACRYLIC POLYURETHANE ENAMEL, TIG WELD TO 2 AS NEEDED.
- 2 ALUMINUM BASE FOR SIGN, DRILL HOLES AS NEEDED FOR 3.
- 3 THREADED STUDS WITH FASTENERS
- 4 COMPRESSION PLATE.
- 5 CONCRETE BASE.
- 6 9" MOW STRIP ABOVE GRADE.



PLOT DATE: Aug 07, 2025 - 2:47pm FILE: T:\0\TYlin-0AK\P\3010.0100806.005\600_DSGN\Highway\07_Addendum_Permit 04-25-X-XX-0874\04_Streets\23-0CE12-ED05_05_S.dwg

No.	DATE	REVISION	BY	APPD
1	8/7/2025	BASED ON CALTRANS COMMENTS & INTERNAL REVIEW	JL	MA

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 OAKLAND, CALIFORNIA 94607
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REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
SIGN DETAILS
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17	SCALE: AS SHOWN
FEDERAL PROJECT: N/A	DESIGNED BY: M. ALIKHAN
CHECKED BY: S. HUYNH	DATE: 06/2025
DRAWN BY: M. STICKELMAIER	

0 |-----| 1"
 NOTE: VERIFY SCALE.
 BAR IS ONE INCH ON
 ORIGINAL DRAWING.
 ADJUST SCALES
 ACCORDINGLY IF BAR
 IS NOT ONE INCH.

DRAWING:
SD-1
 SHEET 16 OF 18

CONSTRUCTION NOTES (THIS SHEET ONLY)

- 1 EXISTING 3"C, 4#4 (EV1, EV2), 3#6 (CIRCUIT 1,2), 2#8 (BUS SHELTER LIGHTING), 2#10 (IRRIGATION), REWIRE AS NEEDED, ADD 3#4 (RESTROOM POWER), 2#8 (MONUMENT SIGN), 2#8 (REAL TIME SIGN).
- 2 EXISTING 1½"C, 2#8 (CIRCUIT 1).
- 3 EXISTING 1½"C, 2#8 (CIRCUIT 2).
- 4 EXISTING 2"C, 4#4 (EV1, EV2), 3#8 (CIRCUIT 1, 2).
- 5 EXISTING 2"C, 3#8 (CIRCUIT 1, 2), 2#8 (BUS SHELTER LIGHTING). REWIRE AS NEEDED, ADD 2#8 (REAL TIME SIGN).
- 6 EXISTING 1½"C, 3#8 (CIRCUIT 1, 2).
- 7 EXISTING 2"C, 3#6 (CIRCUIT 1, 2), 2#8 (BUS SHELTER LIGHTING), 2#10 (IRRIGATION). REWIRE AS NEEDED, ADD 2#8 (REAL TIME SIGN), 3#4 (RESTROOM POWER).
- 8 EXISTING 1"C, 2#10 (IRRIGATION).
- 9 EXISTING 3"C, 3#2/0 (PG&E SERVICE).
- 10 EXISTING TYPE III-AF METERED SERVICE EQUIPMENT ENCLOSURE PER THESE PLANS AND STD PLAN ES-2C AND ES-2D.
- 11 EXISTING 3"C, 4#4 (EV1, EV2), 3#6 (CIRCUIT 1,2), 2#8 (BUS SHELTER LIGHTING), 2#10 (IRRIGATION). REWIRE AS NEEDED, ADD 3#4 (RESTROOM POWER), 2#8 (REAL TIME INFO SIGN)
- 12 FURNISH AND INSTALL MONUMENT SIGN, SEE SHEET S-1 FOR COORDINATES.
- 13 COORDINATE WITH SERVICE ENCLOSURE MANUFACTURER TO ACCOMMODATE NEW CIRCUITRY. SEE METERED SERVICE WIRING DIAGRAM.
- 14 FURNISH AND INSTALL 2"C, 2#8 (MONUMENT SIGN).
- 15 FURNISH AND INSTALL 2"C, 3#4 (RESTROOM POWER).

CONSTRUCTION NOTES (THIS SHEET ONLY)

- 16 FURNISH AND INSTALL 2"C, 2#8 (REAL TIME SIGN).
- 17 EXISTING 2"C, 3#8 (CIRCUIT 1, 2), 2#8 (BUS SHELTER LIGHTING).
- 18 EXISTING 2"C, 3#8 (CIRCUIT 1,2), 2#8 (BUS SHELTER LIGHTING). REWIRE AS NEEDED, ADD 2#8 (REAL TIME SIGN), 3#4 (RESTROOM POWER).
- 19 FURNISH AND INSTALL MONUMENT UP-LIGHT, COORDINATE WITH LIGHTING REPRESENTATIVE (ASSOCIATED LIGHTING REPRESENTATIVES, TIM HALEY, 925-997-5934) FOR EXACT PLACEMENT, FOLLOW MANUFACTURER INSTRUCTIONS FOR BEGA UP-LIGHT PART NUMBER, B86418-K4-BLK
- 20 FURNISH AND INSTALL REAL TIME SIGN AND 4G MODEM ASSEMBLY
- 21 FURNISH AND INSTALL NEW GARDCO POLE MOUNTED LUMINAIRE PN OPF-S-A04-740-T5W-AR1-UNV-FS1-OPF-RMB-BK WITH OPF-RMB RETROFIT HARDWARE OR EQUIVALENT TO REPLACE EXISTING POLE LUMINAIRE.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CALTRANS 2024 STANDARD PLANS AND SPECIFICATIONS.
2. ALL PULL BOXES SHALL BE CALTRANS NO. 5 UNLESS OTHERWISE SHOWN.
3. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE ORDERING ANY EQUIPMENT.
4. THE LOCATION OF CONDUITS AND PULL BOXES IS SCHEMATIC. LOCATION TO BE ADJUSTED TO FIT FIELD CONDITIONS BEFORE ORDERING ANY EQUIPMENT.
5. CONTRACTOR SHALL COORDINATE WITH PG&E FOR SERVICE CONNECTION.
6. ALL CIRCUITS AND ELECTRICAL SYSTEMS SHALL BE GROUNDED PER THE NEC AND THE CALTRANS STANDARD SPECIFICATIONS. THE GROUND CONDUCTOR SHALL MATCH THE LARGEST UNGROUNDED CONDUCTOR IN THE CONDUIT. A MINIMUM #8 CONDUCTOR SHALL BE USED.

LEGEND AND ABBREVIATIONS

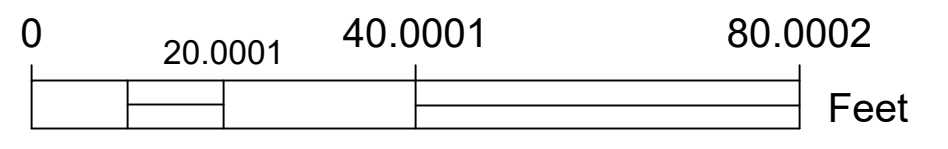
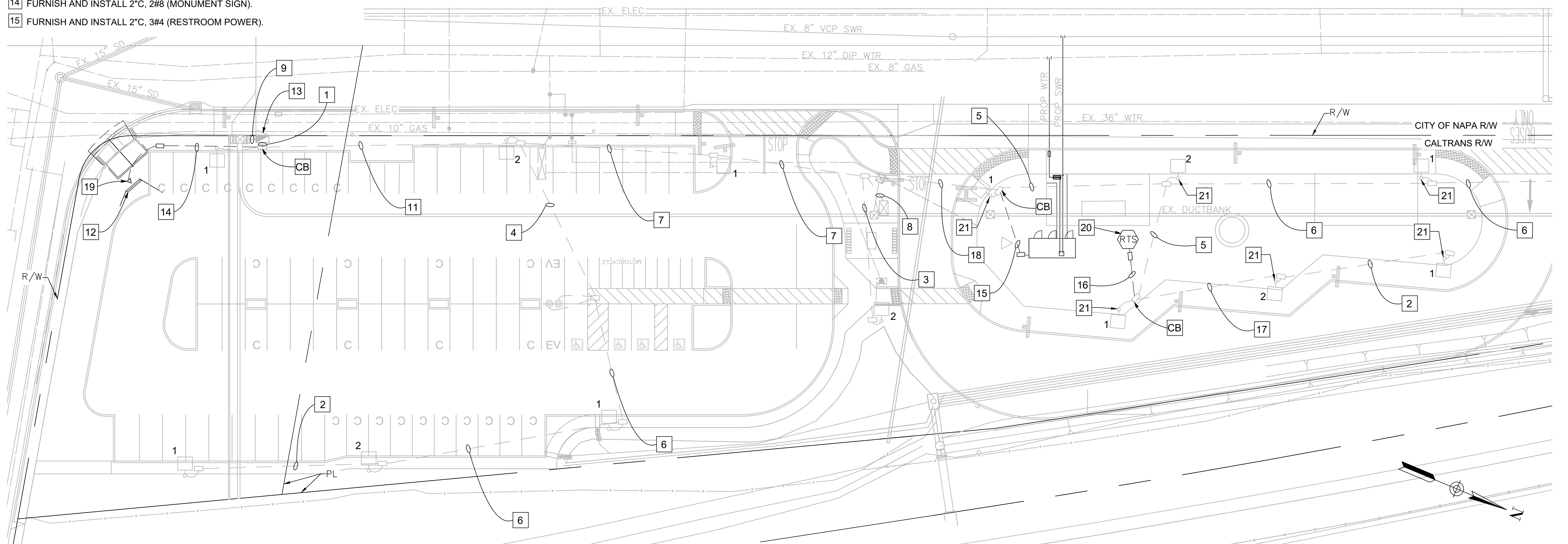
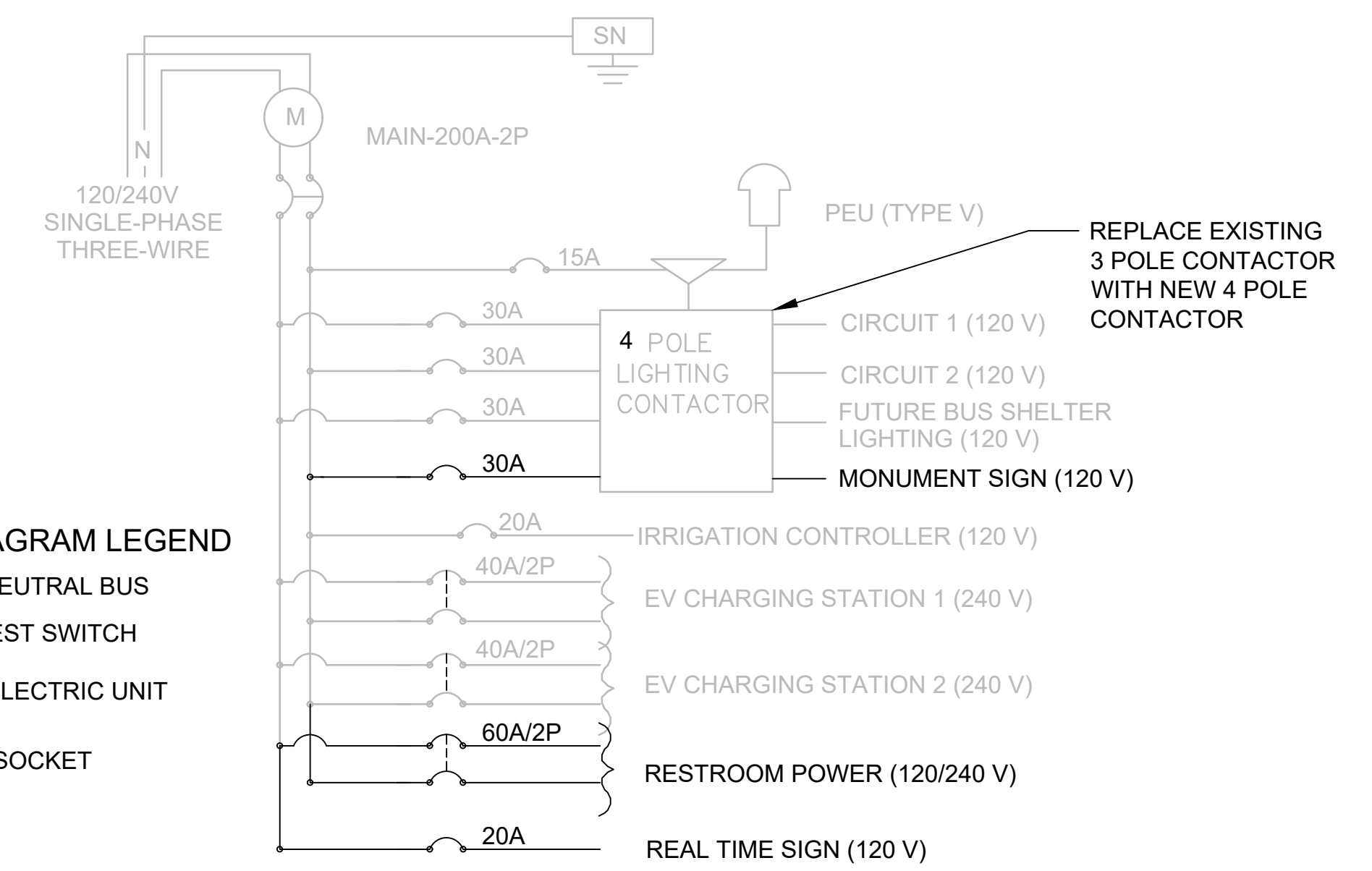
- 1 - CIRCUIT NO.
- BETALED LUMINAIRE (120 V) 145 /190 WATTS - CATALOGUE # BLD-ARE-T3-102/136-LED-B-UL-BK-F POLE CATALOGUE # PS5R17C/22C-1-BK.
- CALTRANS TYPE 5 PULL BOX
- ▣ CALTRANS TYPE III-AF METERED SERVICE EQUIPMENT ENCLOSURE
- ⊙ ELECTRIC VEHICLE CHARGING STATION (LEVEL 2)
- ⊠ IRRIGATION CONTROLLER
- EV ELECTRIC VEHICLE
- MONUMENT SIGN
- ⬠ REAL TIME SIGN, SEE SHEET E-2
- ⬠ MONUMENT SIGN UP-LIGHT

WIRING DIAGRAM LEGEND

- SN SOLID NEUTRAL BUS
- ▽ AUTO-TEST SWITCH
- ⬆ PHOTOELECTRIC UNIT
- M METER SOCKET

METERED SERVICE WIRING DIAGRAM

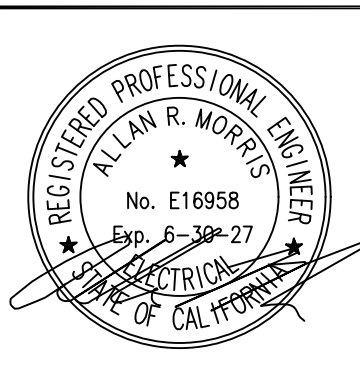
ADD AND WIRE NEW CIRCUIT BREAKERS AS SHOWN



PLOT DATE: Jun 24, 2025 - 1:26pm FILE: T:\O\TYlin-OK\3010.0100806.005\600_DSGN\Highway\04_Sheets\23-0CE12-EO5_06_E.dwg

No.	DATE	REVISION	BY	APPD
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△				
△				
△				

TYlin
 1111 BROADWAY SUITE 1450
 OAKLAND, CALIFORNIA 94607
 PHONE (510) 457-3030 FAX (510) 457-3055

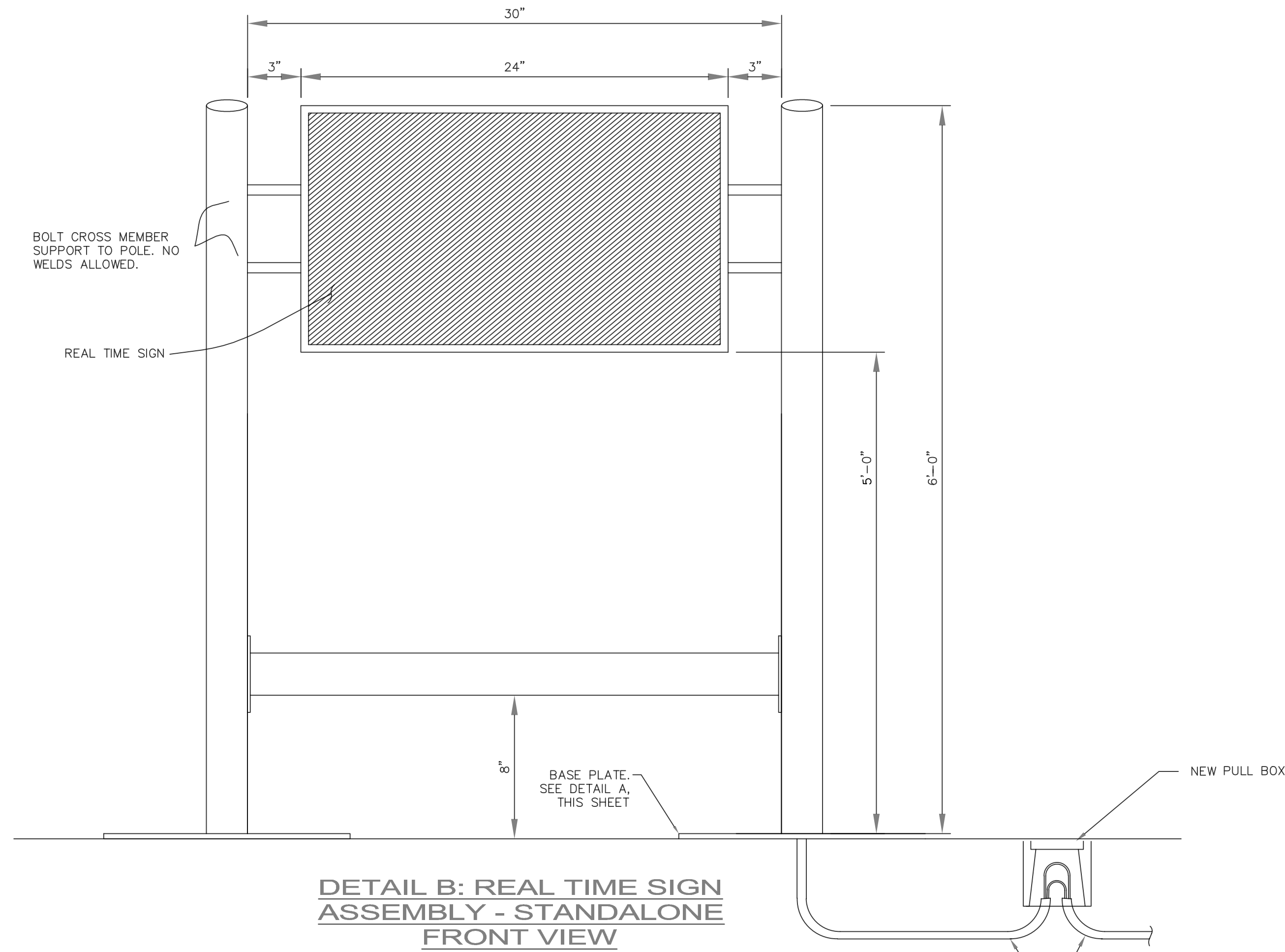


NVTA
 NAPA VALLEY TRANSPORTATION AUTHORITY
 625 BURNELL STREET
 NAPA, CA 94559
 www.nvta.ca.gov

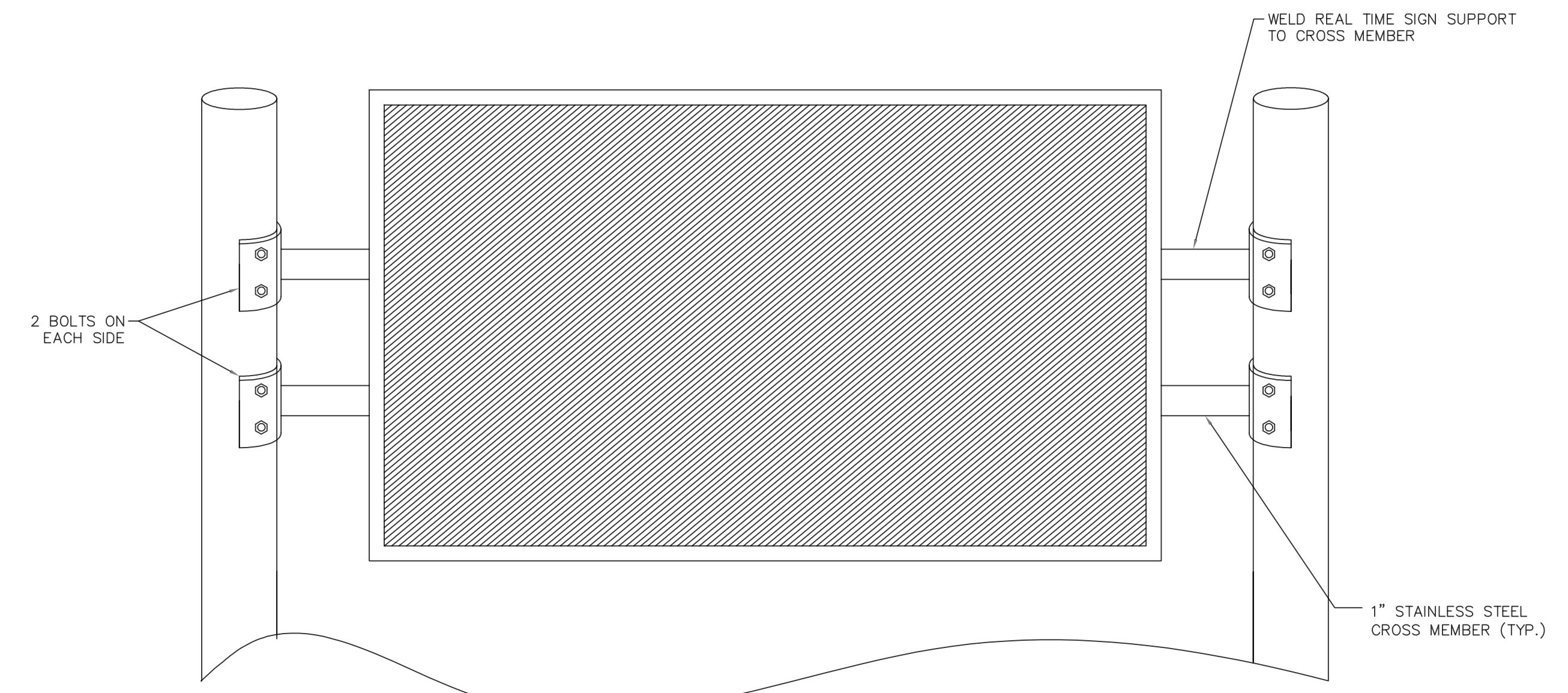
REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
ELECTRICAL
NAPA VALLEY TRANSPORTATION AUTHORITY

PROJECT NUMBER: 25-C17	SCALE: 1" = 20'	DRAWING: E-1
FEDERAL PROJECT: N/A	NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	SHEET 17 OF 18
DESIGNED BY: A. MORRIS	CHECKED BY: E. SOSA	
DRAWN BY: M. STICKELMAIER	DATE: 06/2025	

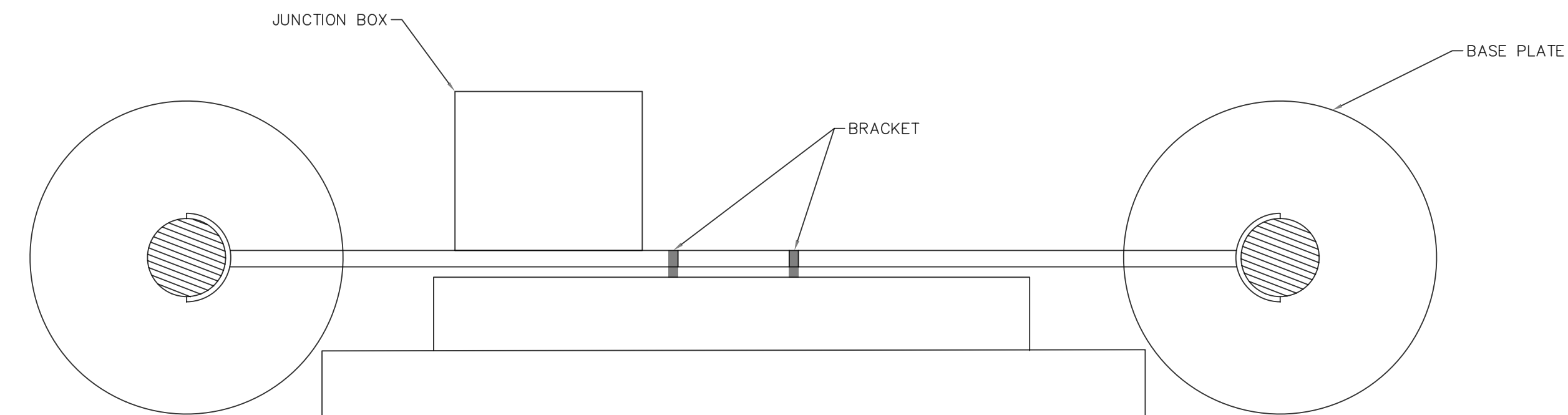
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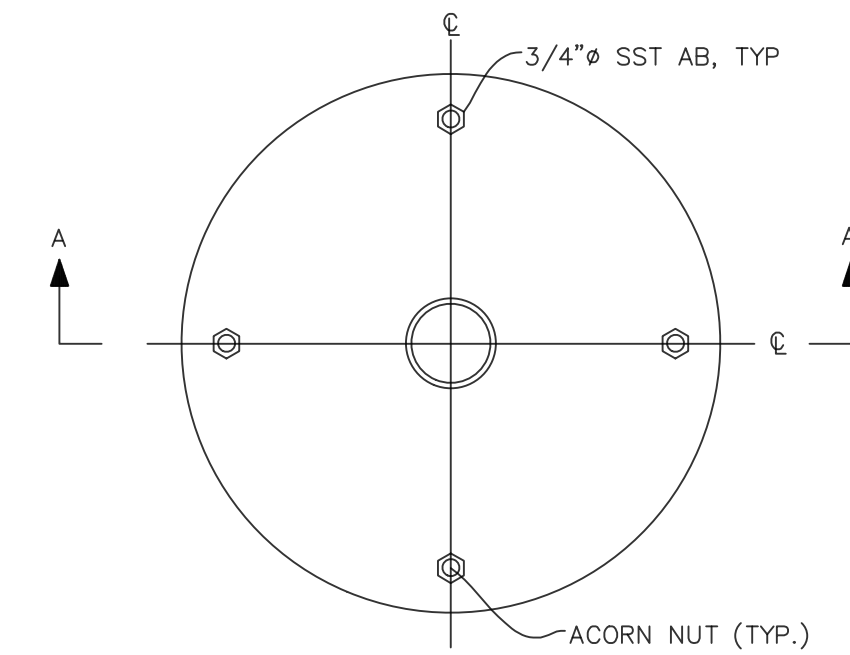
DETAIL B: REAL TIME SIGN ASSEMBLY - STANDALONE FRONT VIEW



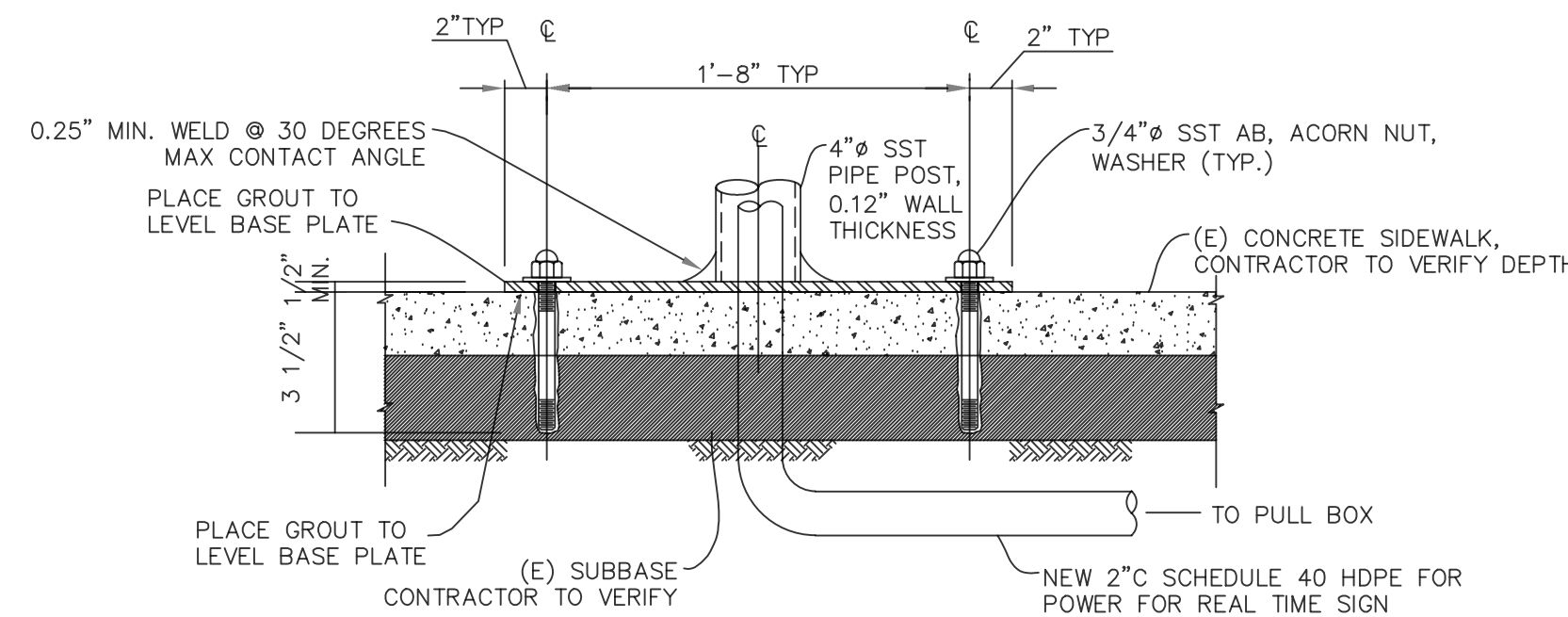
DETAIL C: REAL TIME SIGN ASSEMBLY - STANDALONE



DETAIL D: REAL TIME SIGN ASSEMBLY STANDALONE - TOP VIEW



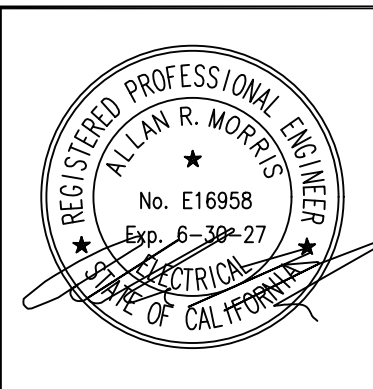
DETAIL A: REAL TIME SIGN BASE PLATE



SECTION A-A: REAL TIME SIGN BASE PLATE

No.	DATE	REVISION	BY	APPD
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REDWOOD PARK AND RIDE
 CAPITAL IMPROVEMENTS PROJECT
REAL TIME SIGN
NAPA VALLEY TRANSPORTATION AUTHORITY

APPROVED - PRINCIPAL ENGINEER DATE RECOMMENDED - PROJECT MANAGER DATE

PROJECT NUMBER: 25-C17	SCALE: AS SHOWN
FEDERAL PROJECT: N/A	DESIGNED BY: A. MORRIS
CHECKED BY: E. SOSA	DATE: 06/2025
DRAWN BY: M. STICKELMAIER	

0 1" SCALE BAR
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING:
E-2
 SHEET 18 OF 18