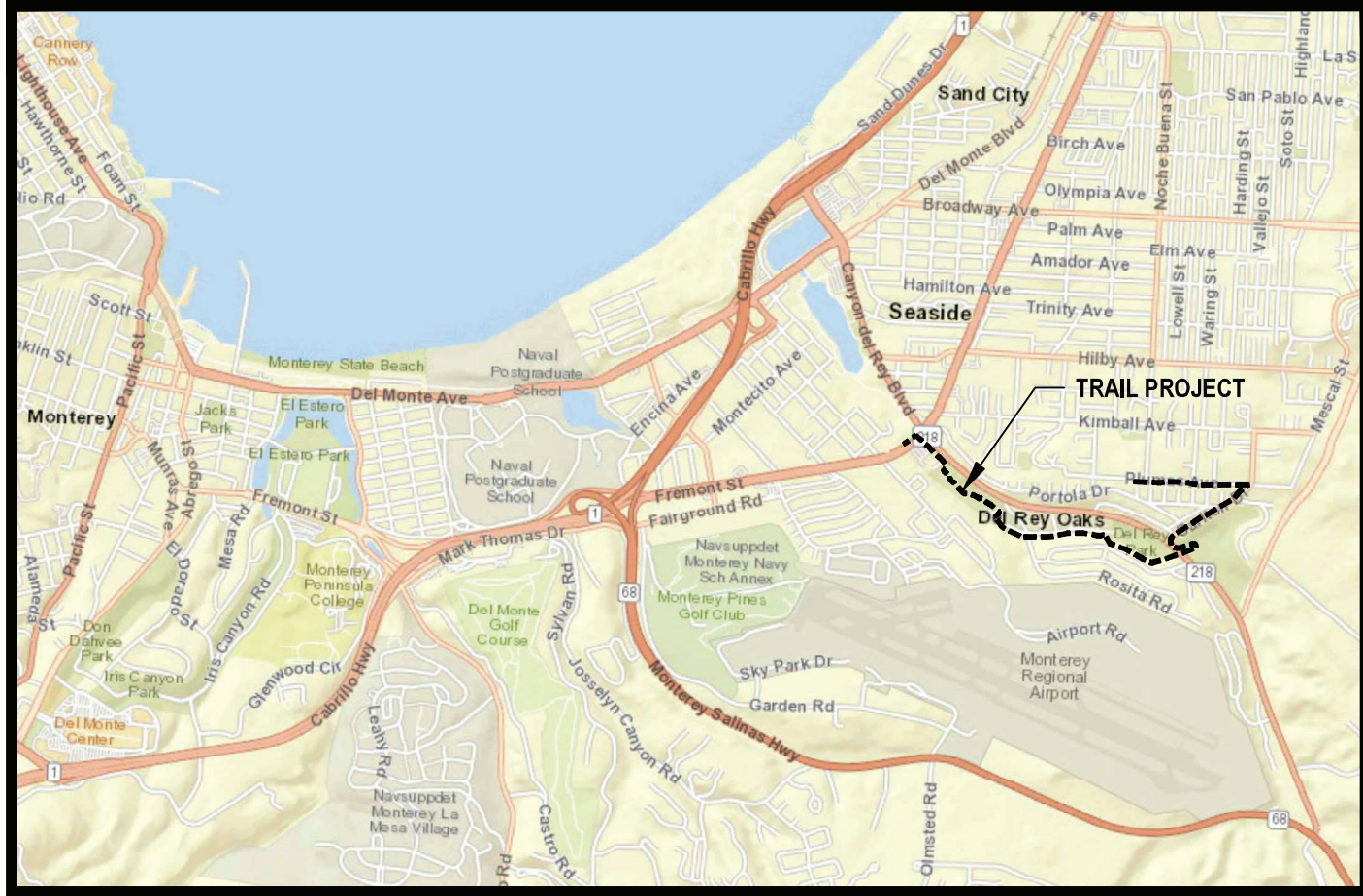


TRANSPORTATION AGENCY FOR MONTEREY COUNTY

FORTAG CDR TRAIL FREMONT BOULEVARD TO PLUMAS AVENUE FEDERAL AID #ATPSB1L-6143(088)

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VICINITY MAP
NO SCALE

APPROVED BY:

Todd Muck

Dec 15, 2023

TODD MUCK, AICP
EXECUTIVE DIRECTOR
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

DATE

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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	COVER SHEET
ANSI D	
Status Code	
Sheet No.	G-001
Sheet	1 of 195

GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING TO DETERMINE THE EXACT EXTENT OF THE WORK LIMIT, EXISTING CONDITIONS AND ALL SITE DEMOLITION ITEMS.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, STANDARD DETAILS AND SUBSEQUENT ADDENDA AS ADOPTED BY TRANSPORTATION AGENCY FOR MONTEREY COUNTY, CITY OF DEL REY OAKS, CITY OF SEASIDE, OR THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, WHERE APPLICABLE AND ALSO THE SPECIAL PROVISIONS FOR THIS PROJECT.
3. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THESE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 5 DAYS PRIOR TO BEGINNING ANY WORK.
5. THE CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR CONSTRUCTION ACCESS AND STORAGE OF CONTRACTOR'S EQUIPMENT, AND MATERIALS AREAS. CONTRACTOR SHALL NOT STOCKPILE MATERIALS OR STORE EQUIPMENT WITHIN PG&E RIGHT OF WAY ALONG PLUMAS AVE.
6. THE CONTRACTOR SHALL CONTACT ENVIRONMENTAL SURVEYOR AT LEAST 5 DAYS PRIOR TO START OF CONSTRUCTION TO CONDUCT REQUIRED ENVIRONMENTAL/WILD LIFE SURVEY ON SITE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING AND REPLACING AT THE CONTRACTORS OWN EXPENSE. ANY STRUCTURES, FENCES, EQUIPMENT, MATERIALS, VEGETATION, AND OR PROPERTY DAMAGED OR DESTROYED BY THE CONTRACTORS OPERATION. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DAMAGES OCCURRING BY THEIR OPERATION, ON ADJACENT PROPERTIES AND ANYWHERE OUTSIDE THE CONTRACT LIMIT LINES. THE DAMAGED ITEMS WILL BE RESTORED TO THEIR ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE ENGINEER.
8. ANY DAMAGE TO STRUCTURES, EQUIPMENT, MATERIALS, VEGETATION, AND OR PROPERTY SHALL BE REPLACED AND OR REPAIRED AS SPECIFIED IN SPECIFICATIONS.
9. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT (U.S.A.) AT 800-227-2600, 48 HOURS PRIOR TO COMMENCEMENT OF WORK. THE USE OF CHALK PAINT IS ENCOURAGED WHENEVER POSSIBLE. ALL UNDERGROUND UTILITY LOCATIONS MUST BE MARKED PRIOR TO COMMENCEMENT OF ANY WORK.
10. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES UNDER PROPOSED IMPROVEMENTS PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING NEW TRAFFIC SIGNAL EQUIPMENT.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ENCROACHMENT PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM THE APPROPRIATE AGENCIES.
12. CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PERMITTING AND MITIGATION MONITORING AND REPORTING PROGRAM REQUIREMENTS, AS IDENTIFIED IN THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL ALSO COMPLY WITH USACE SECTION 404 PERMIT, THE RWQCB SECTION 401 PERMIT, AND THE CDFW SECTION 1602 PERMIT.
13. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN.
14. BASIS OF BEARINGS: SHOWN ON SURVEY CONTROL DIAGRAM, G-004. BENCHMARK: SHOWN ON SURVEY CONTROL DIAGRAM, G-004.
15. CONTRACTOR SHALL INCLUDE PRE-SURVEY AND STAKING INFORMATION FOR ADA RAMPS AND FEATURES TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.
16. CONTRACTOR SHALL PROVIDE THE ENGINEER POST SURVEY INFORMATION FOR ADA RAMPS AND FEATURES TO THE PROJECT ENGINEER. RECONSTRUCTION FOR OUT-OF-COMPLIANCE PLACEMENTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
17. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
18. CONTRACTOR SHALL MAINTAIN 12' ACCESS TO DEL REY OAKS CORP YARD AT ALL TIMES.
19. CONTRACTOR SHALL REFER TO THE ENVIRONMENTAL COMMITMENTS RECORD FOR MITIGATION MEASURES MM BIO-1[1], CUL-2, AND GEO-2 TO ADEQUATELY COVER MONITORING SPECIFICATIONS FOR SENSITIVE SPECIES, CULTURAL SITES, AND PALEONTOLOGICAL RESOURCES.
20. MINIMIZE REMOVAL OR DISTURBANCE OF EXISTING VEGETATION OUTSIDE OF THE FOOTPRINT OF PROJECT CONSTRUCTION ACTIVITIES.
21. LIMIT SITE ACCESS AND PARKING. EQUIPMENT STORAGE AND STATIONARY CONSTRUCTION ACTIVITIES TO THE DESIGNATED STAGING AREAS TO THE MAXIMUM EXTENT FEASIBLE.
22. PRIOR TO STAGING EQUIPMENT ON-SITE, CLEAN ALL EQUIPMENT CAKED WITH MUD, SOILS, OR DEBRIS FROM OFF-SITE SOURCES OR PREVIOUS PROJECT SITES TO AVOID INTRODUCING OR SPREADING INVASIVE EXOTIC PLANT SPECIES. WHEN FEASIBLE, REMOVE INVASIVE EXOTIC PLANTS FROM THE PROJECT AREA. ALL EQUIPMENT USED ON THE PREMISES SHOULD BE CLEANED PRIOR TO LEAVING THE SITE FOR OTHER PROJECTS.
23. POSITION ALL STATIONARY EQUIPMENT SUCH AS MOTORS, PUMPS, GENERATORS, AND/OR COMPRESSORS OVER DRIP PANS. AT THE END OF EACH DAY, MOVE VEHICLES AND EQUIPMENT AS FAR AWAY AS POSSIBLE FROM ANY WATER BODY ADJACENT TO THE PROJECT SITE IN A LEVEL STAGING AREA. POSITION PARKED EQUIPMENT ALSO OVER DRIP PANS OR ABSORBENT MATERIAL.
24. IF SECURITY FENCING IS INSTALLED AROUND THE CONSTRUCTION SITE, ALLOW FOR PASSAGE OF WILDLIFE TO MAINTAIN A LINK BETWEEN INLAND AND COASTAL HABITATS INCLUDING STREAM CORRIDORS DURING CONSTRUCTION ACTIVITIES. PROHIBIT THE USE OF PLASTIC MESH SAFETY FENCING TO PREVENT WILDLIFE ENTRAPMENT.
25. REFUEL AND PERFORM ALL VEHICLE AND/OR EQUIPMENT MAINTENANCE OFF-SITE AT A FACILITY APPROVED FOR SUCH ACTIVITIES.
26. TO THE GREATEST EXTENT FEASIBLE, STABILIZE ALL EXPOSED OR DISTURBED AREAS IN THE PROJECT AREA. INSTALL EROSION CONTROL MEASURES AS NECESSARY SUCH AS SILT FENCES, JUTE MATTING, WEED-FREE STRAW BALES, PLYWOOD, STRAW WATTLES, AND WATER CHECK BARS, AND BROADCASTING WEED-FREE STRAW WHEREVER SILT-LADEN WATER HAS THE POTENTIAL TO LEAVE THE WORK SITE AND ENTER THE NEARBY STREAMS. PROHIBIT THE USE OF MONOFILAMENT EROSION CONTROL MATTING TO PREVENT WILDLIFE ENTANGLEMENT. MODIFY, REPAIR, AND/OR REPLACE EROSION CONTROL MEASURES AS NEEDED.
27. ALL NURSERY PLANTS USED IN RESTORATION SHALL BE INSPECTED FOR SUDDEN OAK DEATH. VEGETATION DEBRIS SHALL BE DISPOSED OF PROPERLY AND VEHICLES AND EQUIPMENT SHALL BE FREE OF SOIL AND VEGETATION DEBRIS BEFORE ENTERING NATURAL HABITATS. PRUNING TOOLS SHALL BE SANITIZED.

EXISTING CONDITIONS AND DEMOLITION NOTES

1. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR TEMPORARY STORAGE OF REMOVED/DEMOLISHED MATERIALS, IF NECESSARY.
2. THE CONTRACTOR SHALL KEEP ALL PLANTING, PAVING AND CURB AREAS FREE FROM WEEDS, DEBRIS AND TRASH DURING THE ENTIRE DURATION OF THE CONTRACT. WEED CONTROL HERBICIDES SHALL BE APPLIED IF THE ENGINEER DEEMS IT NECESSARY. TYPE OF HERBICIDE TO BE USED AND METHOD OF APPLICATION SHALL BE APPROVED BY THE ENGINEER.
3. CARE SHOULD BE TAKEN WITH EXISTING TREES TO REMAIN. GRADES WITHIN THE DRIP LINE OF THE TREE SHALL NOT BE CHANGED UNLESS OTHERWISE SPECIFIED ON THE PLANS. ANY COMPACTION OF THE AREA WITHIN THE DRIP LINE SHALL BE AVOIDED.
4. ALL ITEMS INDICATED TO BE REMOVED SHALL BE DISPOSED OF FROM THE PROJECT SITE IN COMPLIANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

GRADING AND PAVING NOTES

1. ALL GRADING, EXCAVATIONS, AND SUBGRADE PREPARATION SHALL BE IN CONFORMANCE WITH THE PROJECT SOILS REPORT ENTITLED "FORT ORD REGIONAL TRAIL & GREENWAY CANYON DEL REY/SR 218 SEGMENT - GEOTECHNICAL DESIGN RECOMMENDATIONS REPORT" BY McMILLEN JACOBS ASSOCIATES (NOW DELVE UNDERGROUND) DATED MARCH 2023 AND ALL ADDENDUMS THERETO.
2. THE PLAN PROVIDES GENERAL GRADING INFORMATION. ALL SURVEYING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. EXISTING SPOT ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL USE NORTHING AND EASTING SHOWN IN THE SPOT ELEVATION CHART.
4. EXPORTATION AND IMPORTATION OF SOIL, WHICH MAY BE NECESSARY TO MEET THE GRADES SHOWN ON THIS PLAN, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PART OF THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ANY SOIL THAT IS TO BE EXPORTED FROM THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SOIL TESTING. IF THE EXISTING SOIL IS FOUND TO BE HAZARDOUS, IT SHALL BE TAKEN TO AN APPROVED FACILITY (CLASS I II OR III).
5. ALL HIGH POINTS, LOW POINTS, OR GRADE BREAKS ON CONCRETE SURFACES SHALL HAVE A SMOOTH CURVE. CONCRETE SHALL NOT BE BUILT TO A POINT.
6. THE CONTRACTOR SHALL MATCH THE NEW GRADES WITHIN THE LIMITS OF WORK TO THE EXISTING GRADES WITHOUT DAMAGING THE EXISTING NATIVE GRASSES, FENCE LINE, TREES, OR EXISTING PAVING TO REMAIN, ALONG THE LIMIT LINE. ANY DAMAGE TO THESE AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
7. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
8. IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE MONTEREY COUNTY CORNER IMMEDIATELY.
9. A HAUL ROUTE PERMIT FROM THE DEPARTMENT OF TRANSPORTATION IS REQUIRED FOR ALL PROJECTS MOVING MORE THAN 10,000 CY OF EARTH.
10. GRADING WILL NOT BE ALLOWED WITHOUT APPROVED EROSION CONTROL PLANS AND MEASURES STORMWATER POLLUTION PREVENTION MEASURES IN ACCORDANCE WITH CITY SPECIFICATIONS AND THE CONSTRUCTION GENERAL PERMIT. THE DOCUMENT "CLEAN BAY BLUEPRINT" SHALL BE IMPLEMENTED THROUGHOUT THE YEAR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
11. A POST CONSTRUCTION "AS-BUILT" PLAN IS REQUIRED FROM A CIVIL OR SOILS ENGINEER RETAINED TO PROVIDE THE FINAL HORIZONTAL AND VERTICAL LOCATIONS OF THE IMPROVEMENTS APPROVED WITH THIS PLAN SUCH AS SUBDRAINS, ON-SITE STORMWATER CONVEYANCE AND TREATMENT SYSTEMS, AND ON-SITE RETAINING STRUCTURES.

SIGNAGE NOTES

1. DETAIL OF ALL TRAIL SIGNS SHALL FOLLOW THE REQUIREMENTS OF THESE PLANS AND THE TRANSPORTATION AGENCY FOR MONTEREY COUNTY WAYFINDING PLAN. THE CONTRACTOR SHALL REVIEW PRIOR TO PROCEEDING WORK ON THE PROJECT.
2. A COPY OF THE TRANSPORTATION AGENCY FOR MONTEREY COUNTY WAYFINDING PLAN SHALL BE FOUND ON HTTP://WWW.TAMCMONTEREY.ORG/WAYFINDING-PLAN.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF SIGNS AND OBTAIN ENGINEER APPROVAL PRIOR TO INSTALLATION.

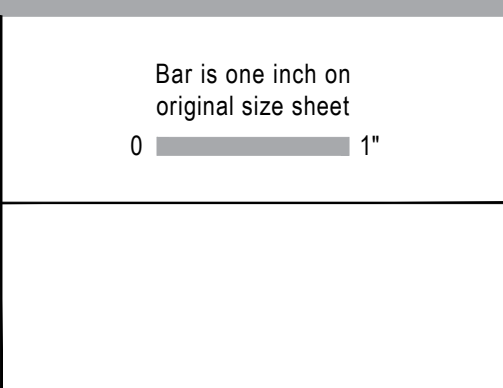
LAYOUT NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK AND FOR RE-ESTABLISHING AND REPLACING POINTS LOST, DISTURBED OR DAMAGED DURING THE COURSE OF CONSTRUCTION OR OTHERWISE AT NO ADDITIONAL COST TO THE CITY.
2. ALL "LAYOUT" WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND IT SHALL BE APPROVED BY THE ENGINEER PRIOR TO START OF ANY WORK.
3. IN AREAS WHERE NEW CONCRETE IS JOINED WITH EXISTING CONCRETE, THE CONNECTION SHALL BE MADE AT THE NEAREST SCORE LINE.
4. ALL CONCRETE SURFACES SHALL HAVE A LIGHT BROOM FINISH AND APPROVED BY THE ENGINEER, EXCEPT WHERE SHOWN OTHERWISE.
5. ALL EXISTING UTILITY BOXES, VAULTS, VALVE COVERS, AND MANHOLES WITHIN THE AREA TO BE IMPROVED SHALL BE ADJUSTED TO THE NEW FINISH GRADE.

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST VERSION OF THE 2018 STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND PLANS AND SUBSEQUENT REVISED STANDARD PLANS AND SPECIFICATIONS, AND THE SPECIAL PROVISIONS.
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 CONTACT UNDERGROUND SERVICE ALERT AT 811, 48 HOURS PRIOR TO ALL EXCAVATION.
4. THE CONTRACTOR SHALL VERIFY ALL 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 THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
6. ALL PULL BOXES SHALL BE No. 5 UNLESS NOTED OTHERWISE ON THE PLAN.
7. ALL NEW PULL BOXES SHALL BE LOCATED IN THE SIDEWALK WHERE APPLICABLE AND SHALL NOT BE INSTALLED WITHIN ADA TACTILE STRIP, RAMPS OR LANDINGS.
8. INSTALL SOLAR RFRFB ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS.
9. WHERE APPLICABLE, CONDUIT SHALL BE INSTALLED UNDER THE NEW SIDEWALK.
10. ALL CONDUCTORS AND CABLES SHALL BE COPPER.
11. SOLAR LED TRAIL LIGHTS SHOWN ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. EXACT LOCATIONS SHALL BE ADJUSTED IN THE FIELD TO AVOID COVERING BY TREES CANOPY.

No.	Issue	Checked	Approved	Date
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY	
Project	FORTAG TRAIL PROJECT	
Project No.	Date	Scale
11220281	December 1, 2023	AS SHOWN

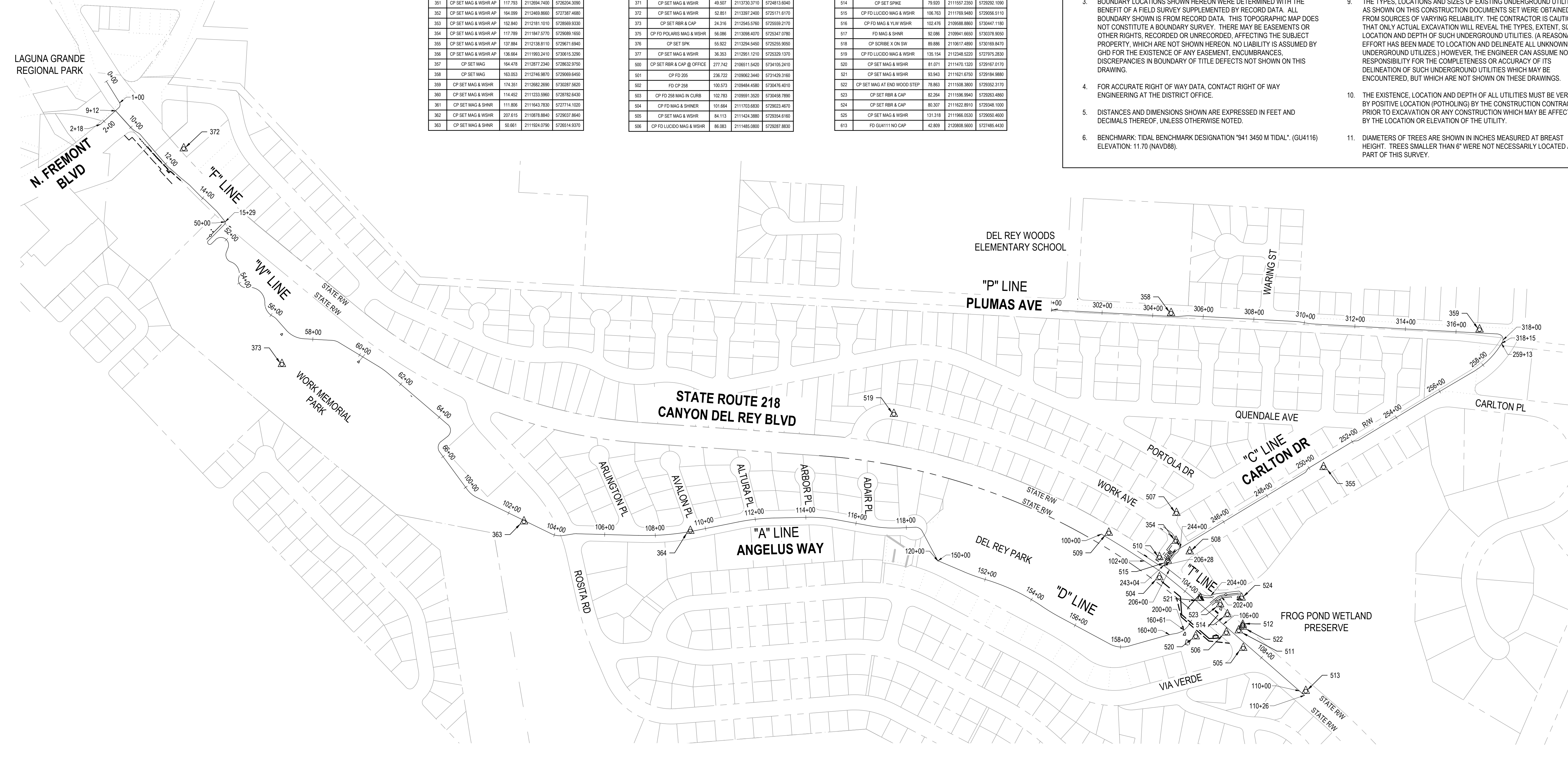
Title **GENERAL NOTES**

Size **ANSI D**

Status Code

Sheet No. **G-003**

Sheet 3 of 195



Point #	Raw Description	Elevation	Northing	Easting
100	GU4318	148.934	2115191.6730	5771428.7350
102	GU4318	82.908	2119078.8400	5736718.8830
201	CP SSP AND CAP	19.155	2115125.8420	5723380.9030
205	CP REBAR AND CAP	236.785	2109962.3420	5731429.3120
258	CP MAG AT MOOSEE	100.627	210484.4030	5730476.3300
260	CP MAG AT MOOSEE	102.741	2109591.3210	5730458.7150
350	CP SET MAG & WSHR	257.584	2108394.7410	5732258.9820
351	CP SET MAG & WSHR AP	117.793	2112694.7400	5726204.3090
352	CP SET MAG & WSHR AP	164.099	2112469.8660	5727387.4880
353	CP SET MAG & WSHR AP	152.840	2112181.1010	5728569.9330
354	CP SET MAG & WSHR AP	117.789	2111947.5770	5729089.1650
355	CP SET MAG & WSHR AP	137.804	2112138.8110	5729671.6940
356	CP SET MAG & WSHR AP	136.864	2111993.2410	5730615.3200
357	CP SET MAG	164.478	2112877.2340	5728632.9750
358	CP SET MAG	163.053	2112746.9870	5729059.6450
359	CP SET MAG & WSHR	174.361	2112822.2690	5730287.5620
360	CP SET MAG & WSHR	114.452	2111233.5960	5728782.6430
361	CP SET MAG & SHNR	111.806	2111643.7830	5727714.1020
362	CP SET MAG & WSHR	207.615	2110878.8840	5729037.8640
363	CP SET MAG & SHNR	50.661	2111924.0790	5726514.9370

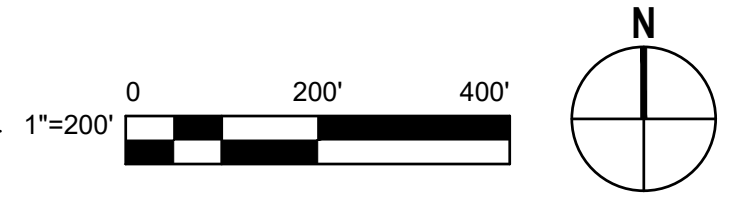
Point #	Raw Description	Elevation	Northing	Easting
364	CP SET MAG & SHNR AP	60.160	2111886.8130	5727171.7690
365	CP SET MAG & WSHR	234.357	2109364.7810	5731612.0340
366	CP SET MAG & WSHR	82.834	2111373.9040	5729401.0520
367	CP SET MAG & WSHR	186.711	2112836.6680	5730454.5690
368	CP SET MAG & WSHR	171.504	2112653.7790	5730441.7910
369	CP SET MAG & WSHR	59.187	2113196.8090	5724555.8800
370	FD WE CP SCRIBE X	62.495	2113183.0410	5724588.8650
371	CP SET MAG & WSHR	49.507	2113730.3710	5724813.6040
372	CP SET MAG & WSHR	52.851	2113397.2400	5725171.6170
373	CP SET RBR & CAP	24.316	2112545.5760	5725559.2170
375	CP FD POLARIS MAG & WSHR	66.086	2113098.4070	5725347.0780
376	CP SET SPK	55.822	2113294.5450	5723555.9930
377	CP SET MAG & WSHR	36.363	2112951.1210	5725328.1310
500	CP SET RBR & CAP @ OFFICE	277.742	2106611.5420	5734105.2410
501	CP FD 205	236.772	2109062.3440	5731429.3160
502	FD CP 258	100.573	2109484.4580	5730476.4010
503	CP FD 258 MAG IN CURB	102.783	2109691.3520	5730458.7890
504	CP FD MAG & SHNR	101.664	2111703.6830	5729223.4670
505	CP SET MAG & WSHR	84.113	2111424.3890	5729394.6160
506	CP FD LUCIDO MAG & WSHR	66.083	2111485.0800	5729287.8830

Point #	Raw Description	Elevation	Northing	Easting
507	CP SET MAG & WSHR	131.964	2111957.5190	5729090.6500
508	CP SET MAG & WSHR	115.472	2111805.6280	5729143.2240
509	CP SET MAG & WSHR IN AC CURB	113.859	2111879.2480	5728823.9460
510	CP SET MAG & WSHR IN AC CURB	105.422	2111782.6070	5729023.9510
511	CP SET RBR & CAP	85.228	2111453.7620	5729336.8350
512	CP SET SPIKE	78.418	2111515.6680	5729352.8700
513	CP SET MAG & SHR	83.766	2111254.6240	5729601.5030
514	CP SET SPIKE	79.920	2111557.2350	5729292.1000
515	CP FD LUCIDO MAG & WSHR	106.763	2111789.9480	5729055.5110
516	CP FD MAG & YLW WSHR	102.476	2109588.8860	5730447.1180
517	FD MAG & SHNR	92.086	2109941.6560	5730378.9050
518	CP SCRIBE X ON SW	89.886	2110617.4890	5730189.8470
519	CP FD LUCIDO MAG & WSHR	135.154	2112348.5220	5727975.2830
520	CP SET MAG & WSHR	81.071	2111740.1320	5729167.0170
521	CP SET MAG & WSHR	93.943	2111821.6750	5729184.9880
522	CP SET MAG AT END WOOD STEP	78.863	2111508.3800	5729352.3170
523	CP SET RBR & CAP	82.364	2111596.9940	5729363.4860
524	CP SET RBR & CAP	90.307	2111622.8910	5729348.1000
525	CP SET MAG & WSHR	131.318	2111996.0530	5729050.4600
613	FD GU4111 NO CAP	42.809	2120808.5600	5727485.4430

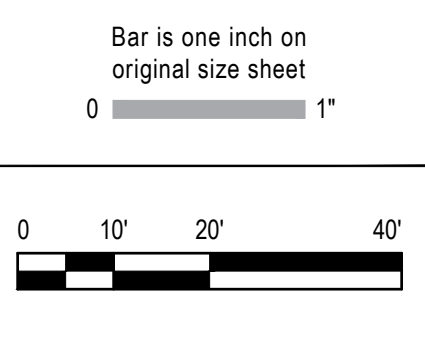
SURVEY CONTROL NOTES

- THIS MAP REPRESENTS A COMBINED TOPOGRAPHIC AND AERIAL SURVEY PERFORMED BY WHITSON ENGINEERS IN OCTOBER OF 2020. AERIAL SURVEY COMPLETED AT A SCALE OF 1"=20'; 1-FOOT CONTOUR INTERVAL.
- THIS MAP PORTRAYS THE SITE AT THE TIME OF THE SURVEY AND DOES NOT SHOW SOILS OR GEOLOGIC INFORMATION, UNDERGROUND CONDITIONS, EASEMENTS, ZONING OR REGULATORY INFORMATION OR ANY OTHER ITEMS NOT SPECIFICALLY REQUESTED BY THE CLIENT.
- BOUNDARY LOCATIONS SHOWN HEREON WERE DETERMINED WITH THE BENEFIT OF A FIELD SURVEY SUPPLEMENTED BY RECORD DATA. ALL BOUNDARY SHOWN IS FROM RECORD DATA. THIS TOPOGRAPHIC MAP DOES NOT CONSTITUTE A BOUNDARY SURVEY. THERE MAY BE EASEMENTS OR OTHER RIGHTS, RECORDED OR UNRECORDED, AFFECTING THE SUBJECT PROPERTY, WHICH ARE NOT SHOWN HEREON. NO LIABILITY IS ASSUMED BY GHD FOR THE EXISTENCE OF ANY EASEMENT, ENCUMBRANCES, DISCREPANCIES IN BOUNDARY OF TITLE DEFECTS NOT SHOWN ON THIS DRAWING.
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- DISTANCES AND DIMENSIONS SHOWN ARE EXPRESSED IN FEET AND DECIMALS THEREOF, UNLESS OTHERWISE NOTED.
- BENCHMARK: TIDAL BENCHMARK DESIGNATION "941 3450 M TIDAL". (GU4116) ELEVATION: 11.70 (NAVD88).
- COORDINATES: CALIFORNIA COORDINATE SYSTEM '83, ZONE 4, US SURVEY FEET. HORIZONTAL CONTROL VALUES WERE ESTABLISHED USING A LEAST SQUARES ADJUSTMENT AMONG THREE NGCS CONTROL POINTS (100, 102, 604), LISTED UNDER PROJECT SURVEY CONTROL.
- THE UTILITIES SHOWN ON THIS PLAN ARE A COMPILATION OF A FIELD SURVEYING INFORMATION, RECORD INFORMATION AND SCHEMATICS PROVIDED BY THE UTILITY OWNERS.
- THE TYPES, LOCATIONS AND SIZES OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS CONSTRUCTION DOCUMENTS SET WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION AND DEPTH OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL UNKNOWN UNDERGROUND UTILITIES.) HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
- THE EXISTENCE, LOCATION AND DEPTH OF ALL UTILITIES MUST BE VERIFIED BY POSITIVE LOCATION (POTHOLING) BY THE CONSTRUCTION CONTRACTOR PRIOR TO EXCAVATION OR ANY CONSTRUCTION WHICH MAY BE AFFECTED BY THE LOCATION OR ELEVATION OF THE UTILITY.
- DIAMETERS OF TREES ARE SHOWN IN INCHES MEASURED AT BREAST HEIGHT. TREES SMALLER THAN 6" WERE NOT NECESSARILY LOCATED AS PART OF THIS SURVEY.

1 SURVEY CONTROL DIAGRAM



No.	Issue	Author	Checked	Approved	Date
1	Author	EM	Drafting Check	SG	
2	Designer	CO	Design Check	SG	
3	Project Manager	L. VAN PARYS			
4	Project Director	K. VEDULA			



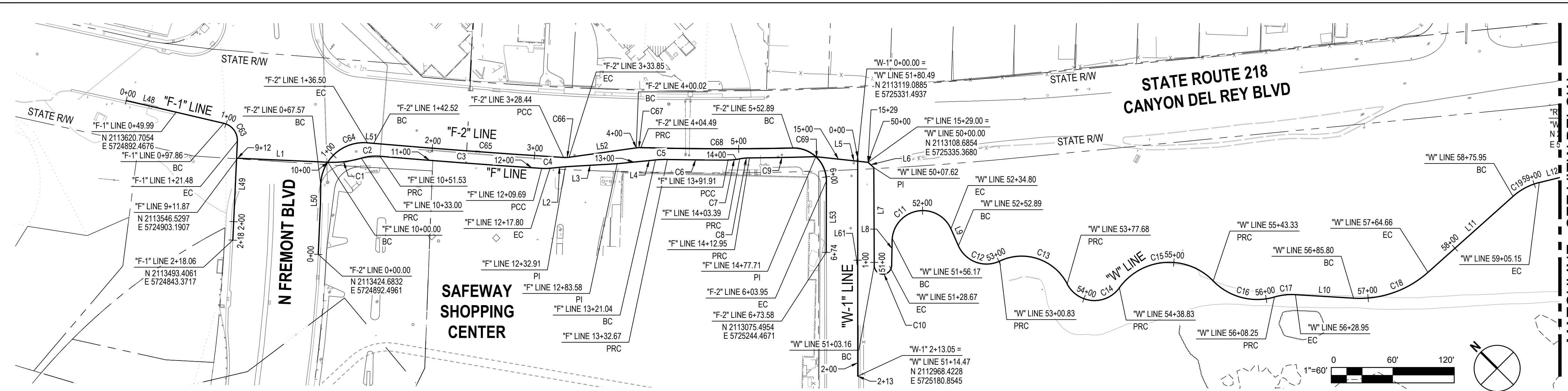
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SURVEY CONTROL DIAGRAM
Sheet No.	G-004
Sheet	4 of 195



MATCHLINE - SEE VIEW BELOW

ALIGNMENT DATA "F" LINE

No.	R	Δ	T	L
C1	100.00'	018°54'34"	16.65'	33.00'
C2	50.00'	021°13'37"	9.37'	18.52'
C3	7799.99'	001°09'43"	79.09'	158.16'
C4	50.00'	009°17'18"	4.06'	8.11'
C5	100.00'	006°39'42"	5.82'	11.63'
C6	3007.64'	001°07'43"	29.62'	59.25'
C7	59.00'	011°08'37"	5.76'	11.47'
C8	51.00'	010°44'42"	4.80'	9.56'
C9	3005.64'	001°14'04"	32.38'	64.76'
L1	-	S42°27'29"E	-	88.13'
L2	-	S50°35'26"E	-	15.12'
L3	-	S48°19'41"E	-	50.67'
L4	-	S50°35'26"E	-	37.46'
L5	-	S38°48'11"E	-	51.29'

ALIGNMENT DATA "F-1" LINE

No.	R	Δ	T	L
C63	17.00'	079°34'56"	14.16'	23.61'
L48	-	S31°51'08"E	-	97.86'
L49	-	S47°37'54"W	-	96.58'

ALIGNMENT DATA "W-1" LINE

No.	R	Δ	T	L
L61	-	S44°59'42"W	-	213.05'

ALIGNMENT DATA "F-2" LINE

No.	R	Δ	T	L
C64	42.00'	094°01'27"	45.06'	68.92'
C65	7788.00'	001°17'34"	87.86'	175.71'
C66	27.00'	011°33'04"	2.73'	5.44'
C67	27.00'	009°30'18"	2.24'	4.48'
C68	2991.00'	002°50'34"	74.21'	148.40'
C69	32.00'	091°24'44"	32.80'	51.05'
L50	-	N45°53'18"E	-	17.57'
L51	-	S40°05'15"E	-	6.02'
L52	-	S52°55'52"E	-	66.16'
L53	-	S45°08'36"W	-	69.63'

ALIGNMENT DATA "W" LINE

No.	R	Δ	T	L
C10	8.50'	178°38'53"	720.45'	26.50'
C11	30.00'	155°04'32"	135.75'	81.20'
C12	30.00'	091°33'05"	30.82'	47.94'
C13	50.00'	088°03'56"	48.34'	76.85'
C14	30.00'	116°47'00"	48.75'	61.15'
C15	60.00'	099°47'43"	71.25'	104.51'
C16	60.00'	061°59'36"	36.05'	64.92'
C17	60.00'	019°45'39"	10.45'	20.69'
C18	100.00'	045°10'50"	41.61'	78.85'
L6	-	S02°35'57"E	-	7.62'
L7	-	S44°44'33"W	-	95.44'
L8	-	N46°05'40"E	-	24.23'
L9	-	S21°10'12"W	-	17.90'
L10	-	S41°32'11"E	-	56.86'

ALIGNMENT DATA "W" LINE

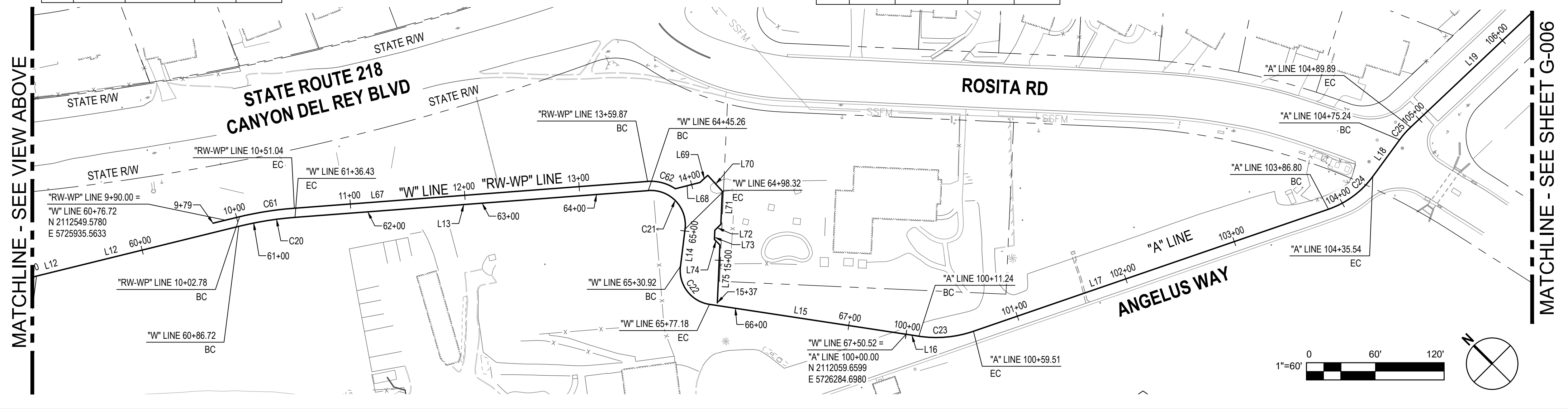
No.	R	Δ	T	L
C19	60.00'	027°53'11"	14.90'	29.20'
C20	300.00'	009°29'39"	24.91'	49.71'
C21	30.00'	101°20'12"	36.61'	53.06'
C22	30.00'	088°20'06"	29.14'	46.25'
L11	-	S86°43'01"E	-	111.30'
L12	-	S58°49'50"E	-	181.56'
L13	-	S49°20'11"E	-	308.83'
L14	-	S52°00'01"W	-	32.60'
L15	-	S36°20'05"E	-	173.35'

ALIGNMENT DATA "A" LINE

No.	R	Δ	T	L
C23	100.00'	027°39'15"	24.61'	48.27'
C24	80.00'	034°54'25"	25.15'	48.74'
C25	80.00'	010°29'35"	7.35'	14.65'
L16	-	S36°20'05"E	-	11.24'
L17	-	S63°59'20"E	-	327.29'
L18	-	N81°06'14"E	-	39.70'
L19	-	S88°24'11"E	-	243.31'

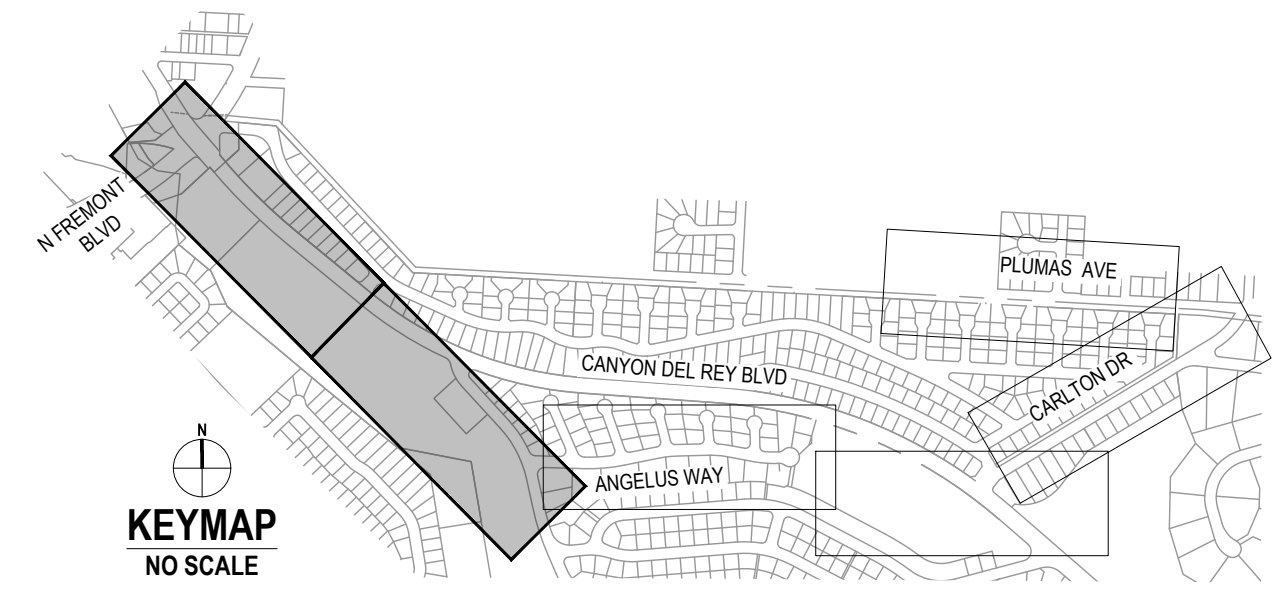
ALIGNMENT DATA "RW-WP" LINE

No.	R	Δ	T	L
C61	308.00'	009°29'39"	25.58'	51.04'
C62	38.00'	038°18'48"	13.20'	25.41'
L67	-	S49°20'11"E	-	308.83'
L68	-	S59°16'24"E	-	22.14'
L69	-	S87°25'50"E	-	9.29'
L70	-	S02°34'07"W	-	18.85'
L71	-	S47°34'07"W	-	28.84'
L72	-	N90°00'00"W	-	7.41'
L73	-	S47°34'07"W	-	8.00'
L74	-	S00°00'00"W	-	6.77'
L75	-	S47°34'07"W	-	50.57'

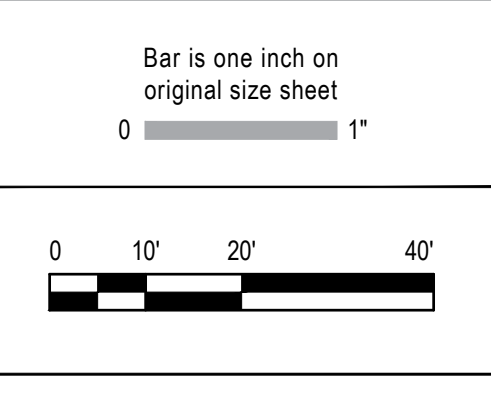


MATCHLINE - SEE VIEW ABOVE

MATCHLINE - SEE SHEET G-006



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	
Designer	CO	Design Check	SG	
		Project Manager	L. VAN PARYS	
		Project Director	K. VEDULA	



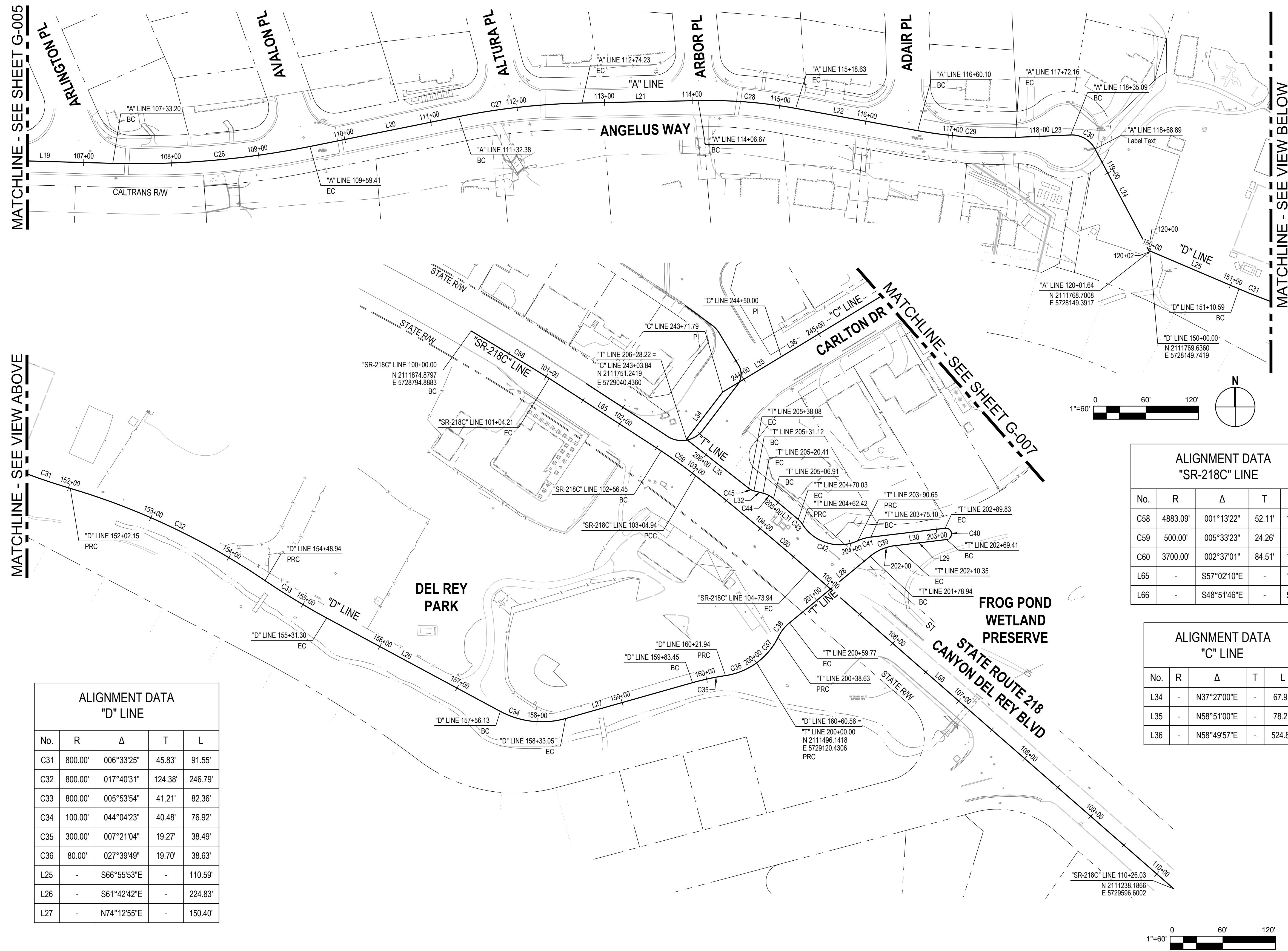
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	HORIZONTAL CONTROL PLAN - 1
Size	ANSI D
Status Code	
Sheet No.	G-005
Sheet	5 of 195



**ALIGNMENT DATA
"A" LINE**

No.	R	Δ	T	L
C26	1000.00'	012°57'40"	113.59'	226.21'
C27	800.00'	010°09'32"	71.11'	141.84'
C28	555.00'	011°33'29"	56.17'	111.96'
C29	500.00'	012°50'28"	56.27'	112.06'
C30	30.00'	064°33'56"	18.95'	33.81'
L19	-	S88°24'11"E	-	243.31'
L20	-	N78°38'10"E	-	172.97'
L21	-	N88°47'42"E	-	132.44'
L22	-	S79°38'49"E	-	141.47'
L23	-	N87°30'43"E	-	62.93'
L24	-	S27°55'21"E	-	132.75'

**ALIGNMENT DATA
"T" LINE**

No.	R	Δ	T	L
C37	80.00'	027°39'49"	19.70'	38.63'
C38	50.00'	024°14'00"	10.73'	21.15'
C39	55.00'	032°43'13"	16.15'	31.41'
C40	6.50'	180°00'00"	INFINITY	20.42'
C41	50.00'	017°49'20"	7.84'	15.55'
C42	50.00'	082°14'12"	43.65'	71.76'
C43	25.00'	017°26'45"	3.84'	7.61'
C44	30.00'	025°46'52"	6.87'	13.50'
C45	16.00'	024°55'07"	3.54'	6.96'
L28	-	N50°28'22"E	-	119.17'
L29	-	N83°11'36"E	-	59.06'
L30	-	S83°11'36"W	-	85.27'
L31	-	N49°50'18"W	-	36.88'
L32	-	N75°37'10"W	-	10.71'
L33	-	N51°52'11"W	-	90.14'

**ALIGNMENT DATA
"SR-218C" LINE**

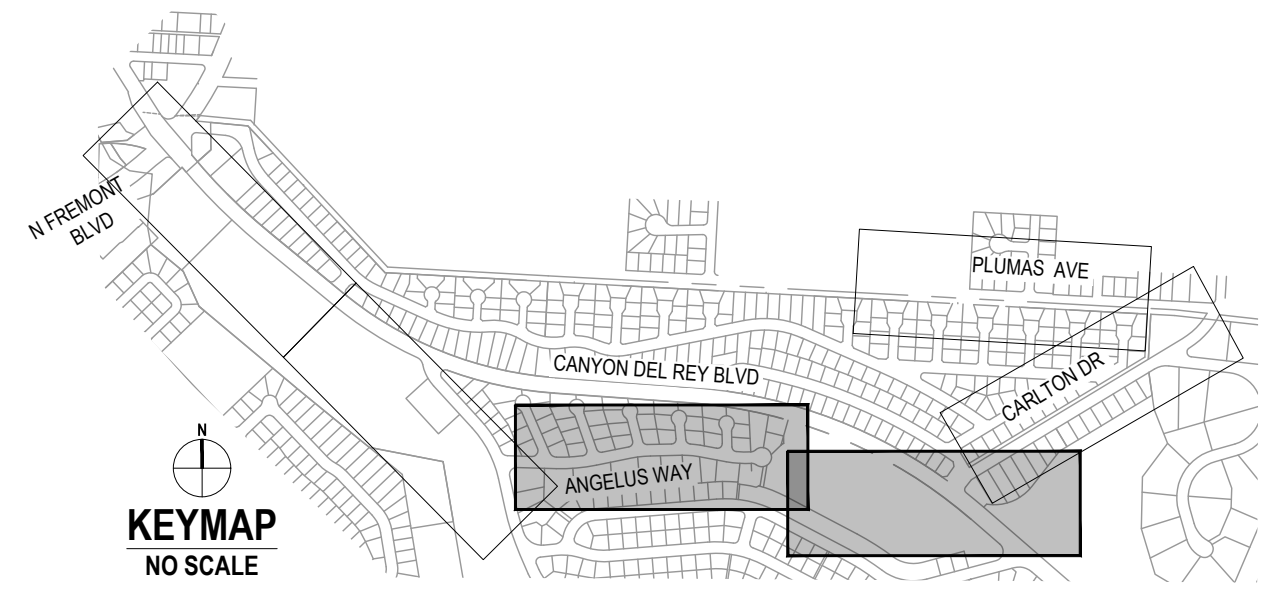
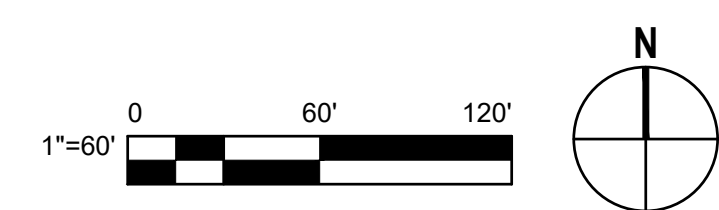
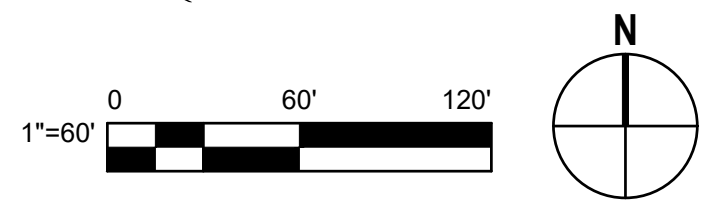
No.	R	Δ	T	L
C58	4883.00'	001°13'22"	52.11'	104.21'
C59	500.00'	005°33'23"	24.26'	48.49'
C60	3700.00'	002°37'01"	84.51'	168.99'
L65	-	S57°02'10"E	-	152.25'
L66	-	S48°51'46"E	-	552.10'

**ALIGNMENT DATA
"C" LINE**

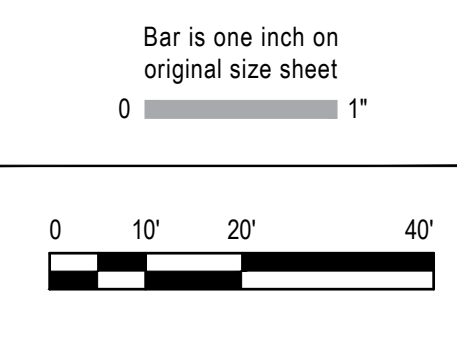
No.	R	Δ	T	L
L34	-	N37°27'00"E	-	67.95'
L35	-	N58°51'00"E	-	78.21'
L36	-	N58°49'57"E	-	524.81'

**ALIGNMENT DATA
"D" LINE**

No.	R	Δ	T	L
C31	800.00'	006°33'25"	45.83'	91.55'
C32	800.00'	017°40'31"	124.38'	246.79'
C33	800.00'	005°53'54"	41.21'	82.36'
C34	100.00'	044°04'23"	40.48'	76.92'
C35	300.00'	007°21'04"	19.27'	38.49'
C36	80.00'	027°39'49"	19.70'	38.63'
L25	-	S66°55'53"E	-	110.59'
L26	-	S61°42'42"E	-	224.83'
L27	-	N74°12'55"E	-	150.40'



No.	Issue	Author	Checked	Approved	Date
EM	Drafting	SG	Project Manager	L. VAN PARYS	
CO	Design	SG	Project Director	K. VEDULA	



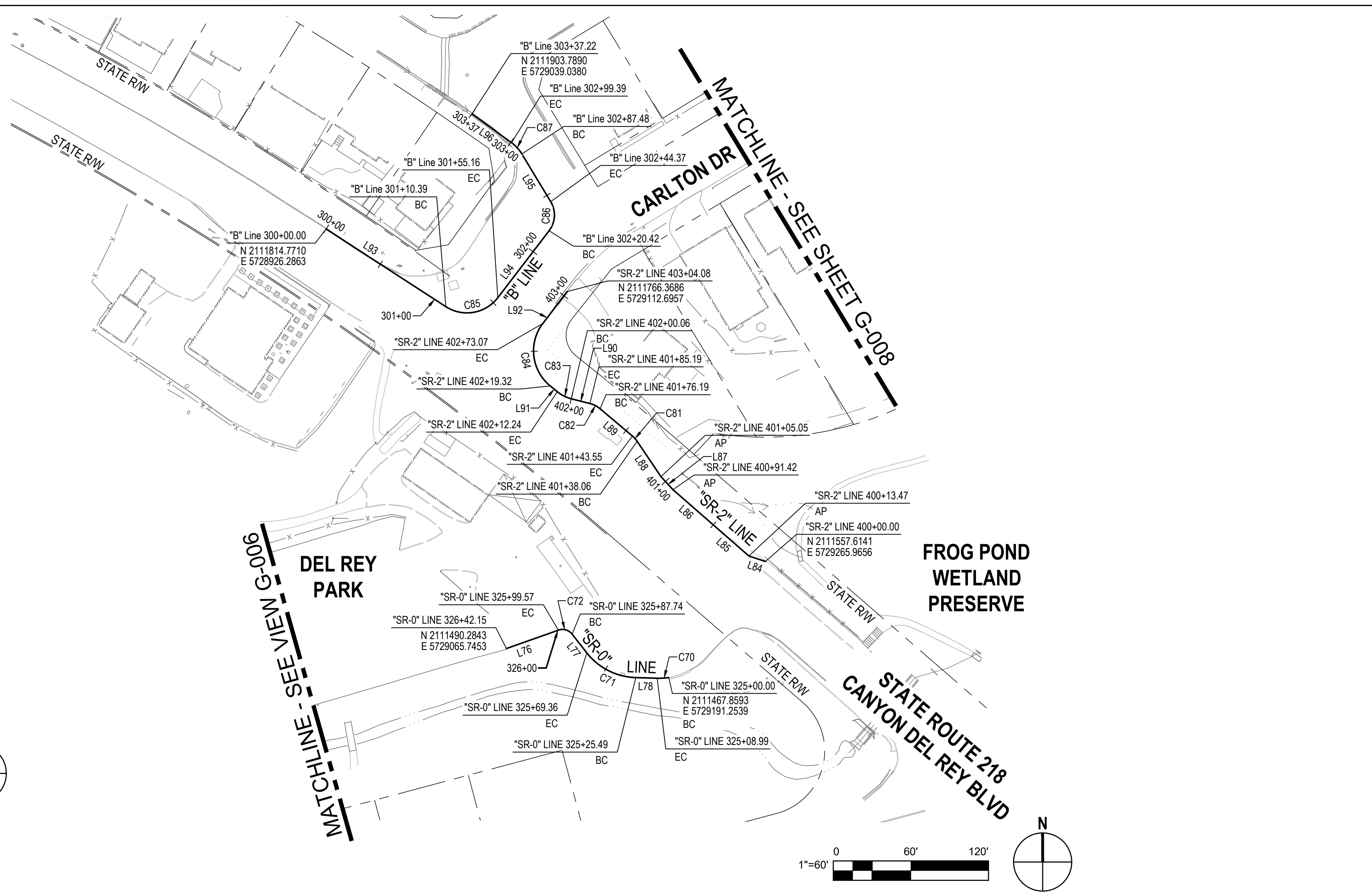
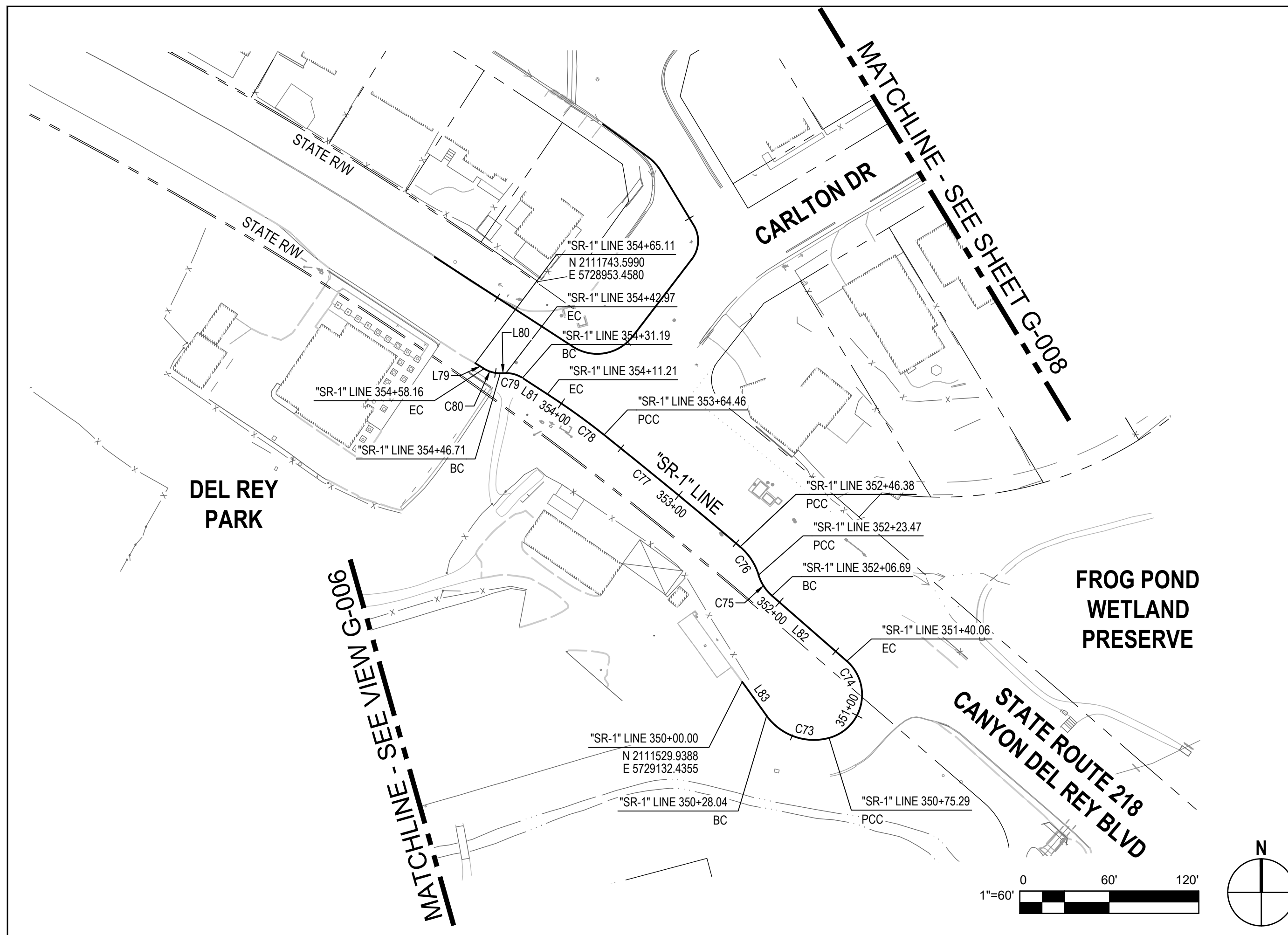
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Project No. 11220281	Date December 1, 2023
Scale AS SHOWN	

Title HORIZONTAL CONTROL PLAN - 2	Size ANSI D
Status Code	Sheet No. G-006
	Sheet 6 of 195



ALIGNMENT DATA
"SR-1" LINE

No.	R	Δ	T	L
C73	39.00'	069°24'21"	27.01'	47.24'
C74	30.00'	123°42'15"	56.07'	64.77'
C75	30.00'	032°02'33"	8.61'	16.78'
C76	40.00'	032°49'13"	11.78'	22.91'
C77	3682.00'	001°50'15"	59.04'	118.08'
C78	482.00'	005°33'23"	23.39'	46.74'
C79	20.00'	033°44'57"	6.07'	11.78'
C80	20.00'	032°49'06"	5.89'	11.46'
L79	-	N57°58'01"W	-	6.95'
L80	-	S89°12'53"W	-	3.74'
L81	-	N57°02'10"W	-	19.98'
L82	-	N48°51'53"W	-	66.64'
L83	-	S35°45'16"E	-	28.04'

ALIGNMENT DATA
"SR-0" LINE

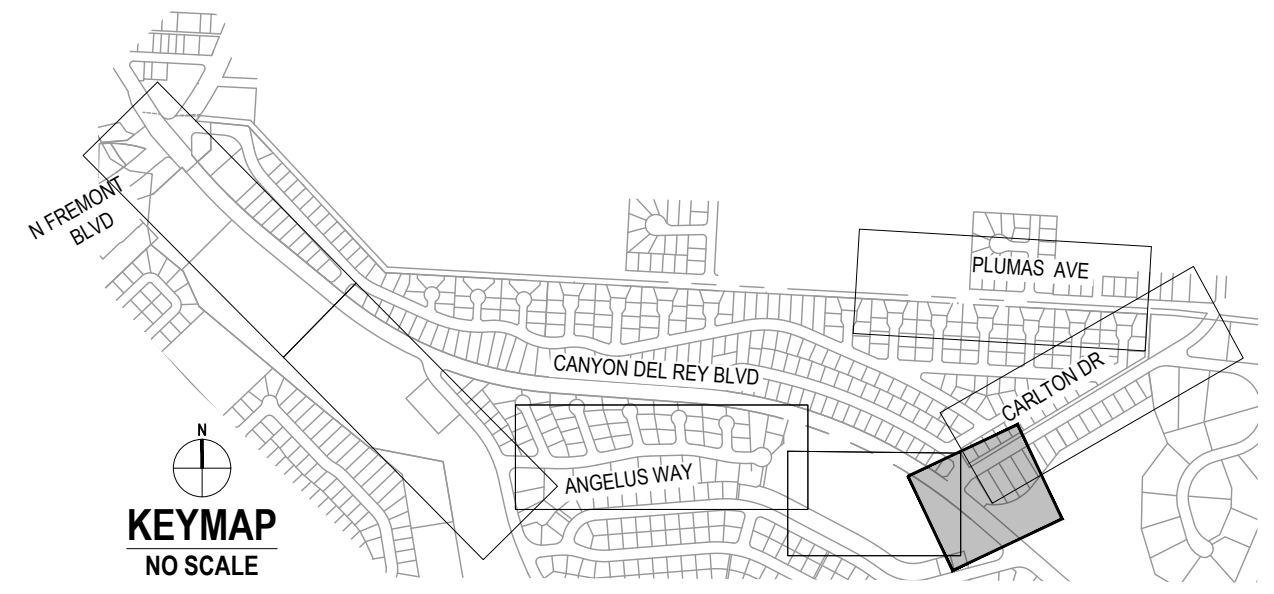
No.	R	Δ	T	L
C70	50.00'	010°18'27"	4.51'	8.99'
C71	50.00'	050°16'41"	23.46'	43.88'
C72	9.50'	071°21'30"	6.82'	11.83'
L76	-	S70°32'51"W	-	42.58'
L77	-	N38°05'38"W	-	18.37'
L78	-	N88°22'19"W	-	16.49'

ALIGNMENT DATA
"SR-2" LINE

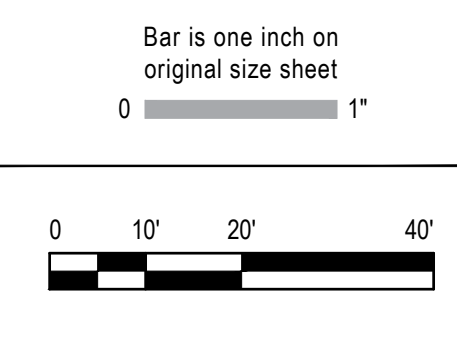
No.	R	Δ	T	L
C81	19.88'	015°49'19"	2.76'	5.49'
C82	20.00'	025°46'52"	4.58'	9.00'
C83	28.00'	024°55'07"	6.19'	12.18'
C84	35.00'	087°59'04"	33.79'	53.75'
L84	-	N71°31'05"W	-	13.47'
L85	-	N48°51'41"W	-	77.95'
L86	-	N48°51'41"W	-	77.95'
L87	-	N42°35'42"W	-	13.64'
L88	-	N34°00'59"W	-	33.01'
L89	-	N49°50'18"W	-	32.64'
L90	-	N75°37'10"W	-	14.87'
L91	-	N50°42'03"W	-	7.08'
L92	-	N37°17'01"E	-	31.01'

ALIGNMENT DATA
"B" LINE

No.	R	Δ	T	L
C85	30.00'	085°30'50"	27.74'	44.77'
C86	20.00'	068°36'53"	13.65'	23.95'
C87	29.88'	022°50'12"	6.03'	11.91'
L93	-	S57°02'10"E	-	110.39'
L94	-	N37°27'00"E	-	65.26'
L95	-	N31°09'53"W	-	43.11'
L96	-	N54°00'05"W	-	37.83'



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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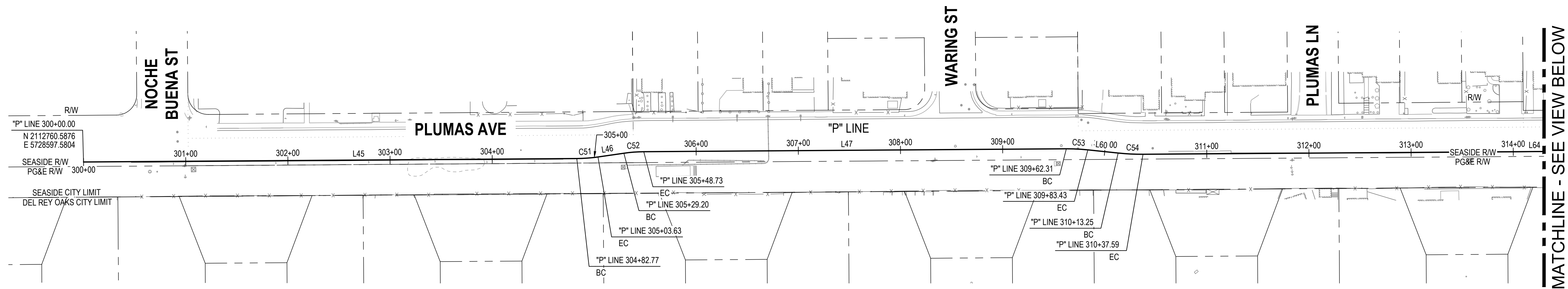
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11202281
Date	December 1, 2023
Scale	AS SHOWN

Title **HORIZONTAL CONTROL PLAN - 3**

Size **ANSI D**

Status Code

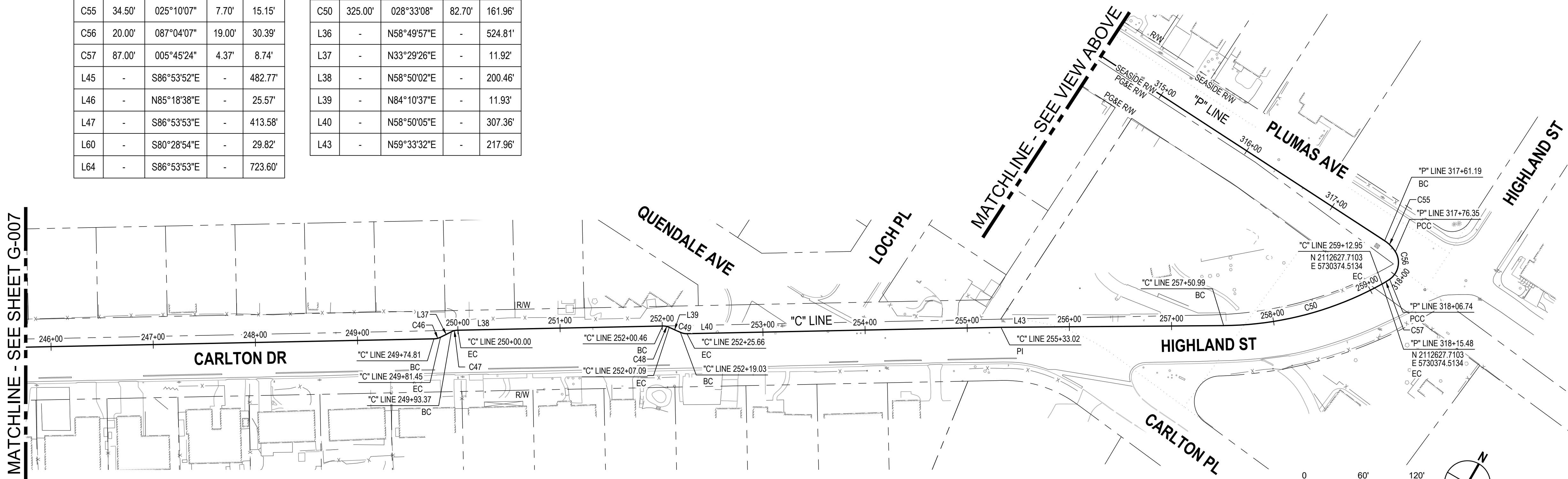
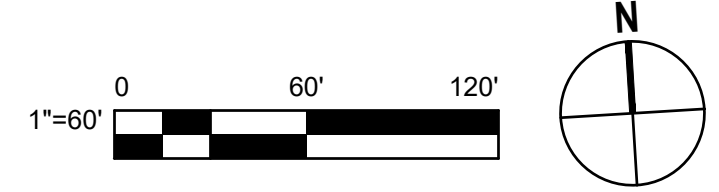
Sheet **G-007** of 195



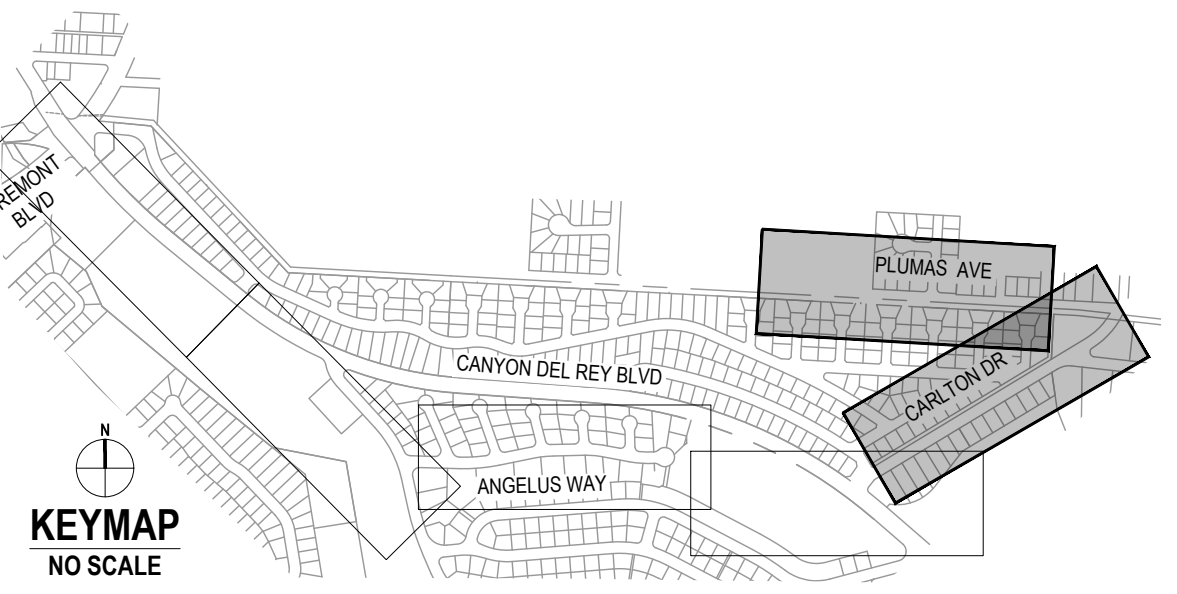
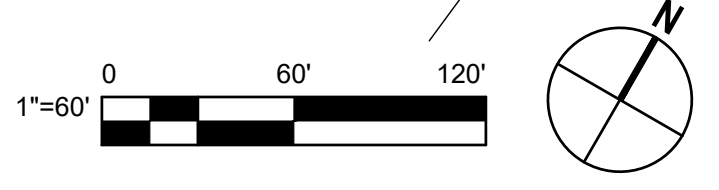
MATCHLINE - SEE VIEW BELOW

ALIGNMENT DATA "P" LINE				
No.	R	Δ	T	L
C51	153.37'	007°47'29"	10.44'	20.86'
C52	143.63'	007°47'29"	9.78'	19.53'
C53	188.63'	006°24'58"	10.57'	21.12'
C54	217.37'	006°24'58"	12.18'	24.34'
C55	34.50'	025°10'07"	7.70'	15.15'
C56	20.00'	087°04'07"	19.00'	30.39'
C57	87.00'	005°45'24"	4.37'	8.74'
L45	-	S86°53'52"E	-	482.77'
L46	-	N85°18'38"E	-	25.57'
L47	-	S86°53'53"E	-	413.58'
L60	-	S80°28'54"E	-	29.82'
L64	-	S86°53'53"E	-	723.60'

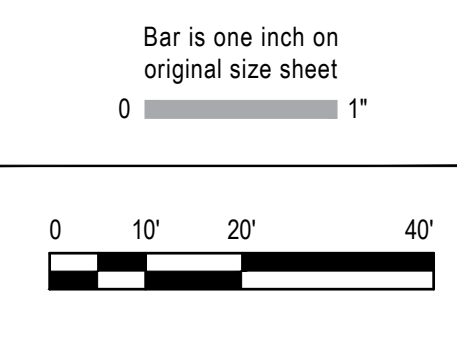
ALIGNMENT DATA "C" LINE				
No.	R	Δ	T	L
C46	15.00'	025°20'39"	3.37'	6.64'
C47	15.00'	025°20'35"	3.37'	6.63'
C48	15.00'	025°20'35"	3.37'	6.63'
C49	15.00'	025°20'31"	3.37'	6.63'
C50	325.00'	028°33'08"	82.70'	161.96'
L36	-	N58°49'57"E	-	524.81'
L37	-	N33°29'26"E	-	11.92'
L38	-	N58°50'02"E	-	200.46'
L39	-	N84°10'37"E	-	11.93'
L40	-	N58°50'05"E	-	307.36'
L43	-	N59°33'32"E	-	217.96'



MATCHLINE - SEE SHEET G-007



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



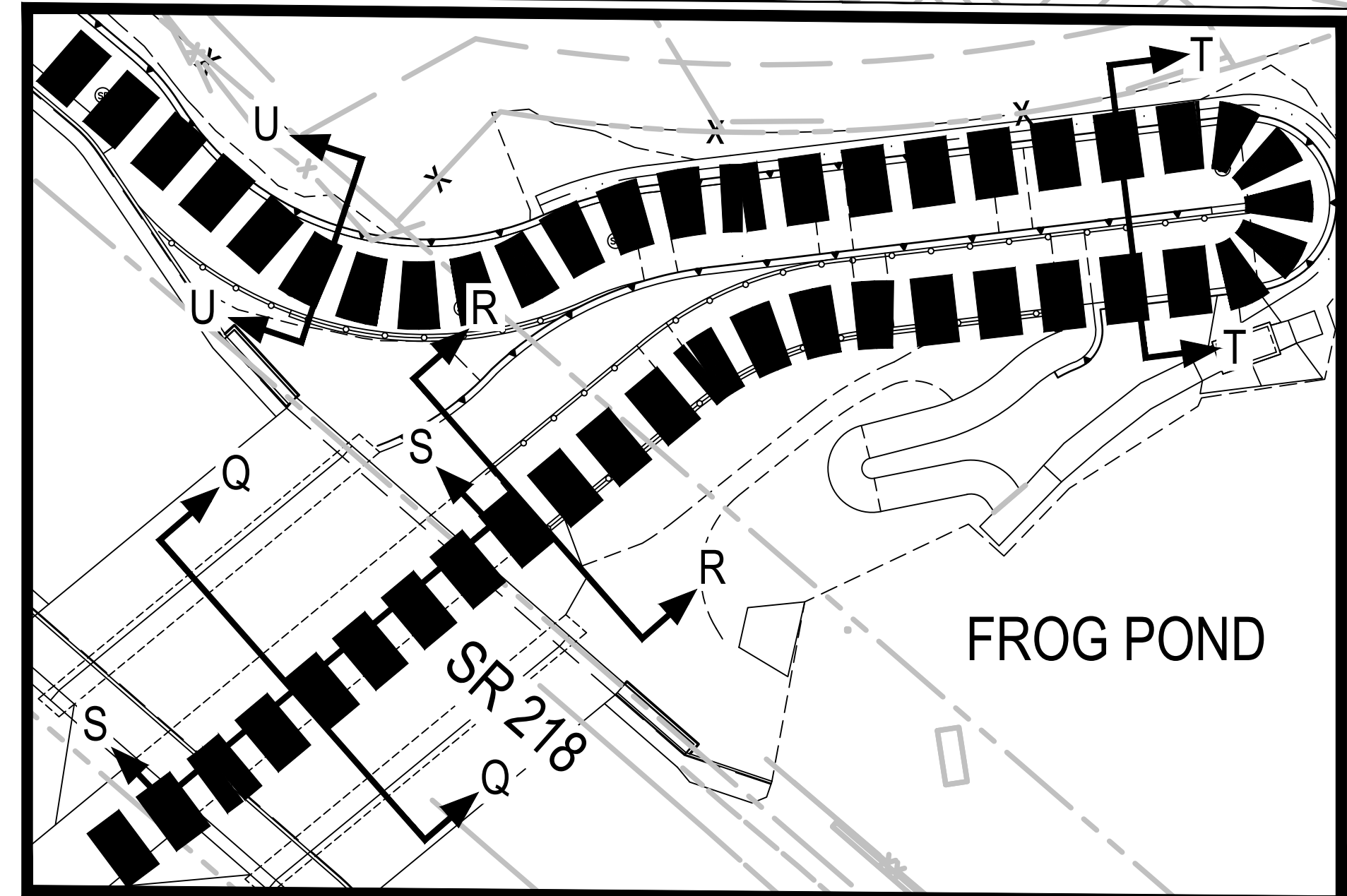
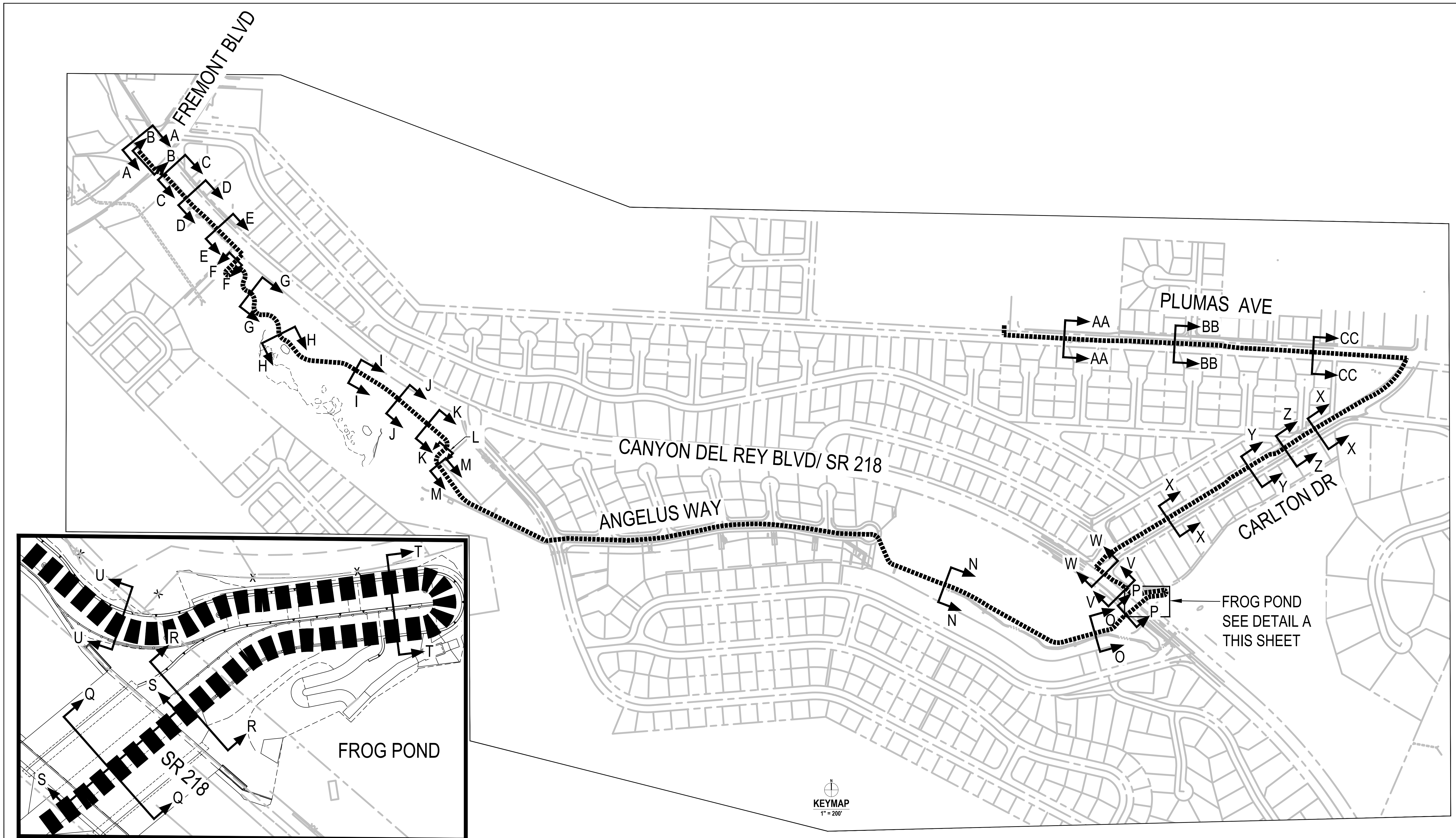
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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	HORIZONTAL CONTROL PLAN - 4
Sheet No.	G-008
Sheet	8 of 195



DETAIL A

No.	Issue	Author	Checked	Approved	Date
		EM	SG	L. VAN PARYS	
		CO	SG	K. VEDULA	



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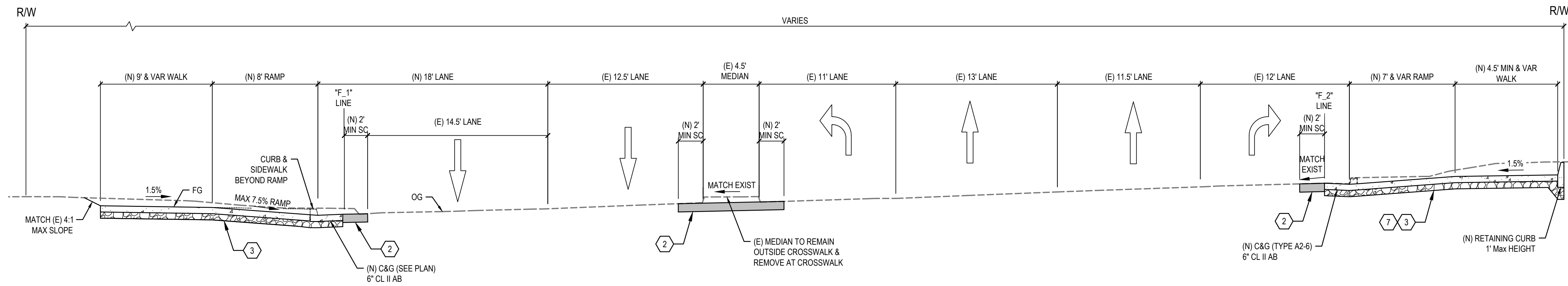
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

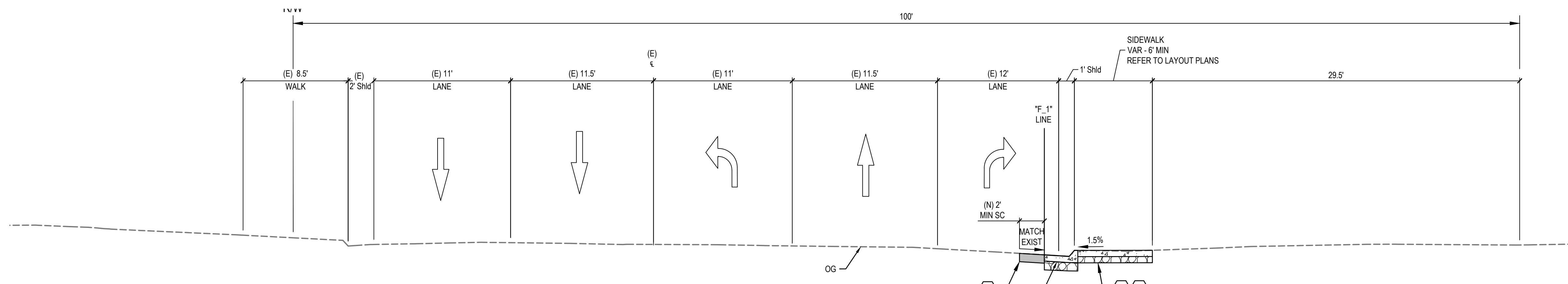
Title **KEYMAP FOR CROSS SECTIONS**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

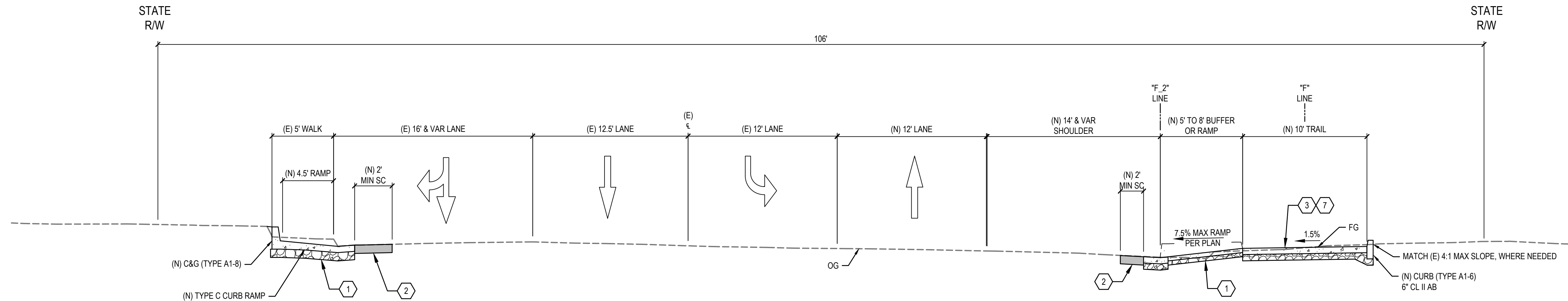
Sheet No. **G-009** Sheet 9 of 195



A N FREMONT BLVD TRAIL CROSSING
NOT TO SCALE



B SR 218 WEST OF FREMONT
NOT TO SCALE
"SR218" LINE 108+43 TO 109+11



C SR 218 EAST OF FREMONT AT CURB RAMP
NOT TO SCALE
"SR218" LINE 106+98 TO 107+01

LEGEND

	MINOR CONCRETE		FILL MATERIAL
	HMA (TYPE A)		AGGREGATE BASE (CL II)
	STAMPED CONCRETE SECTION		DG SHOULDER

ABBREVIATIONS

(E) = EXISTING	SC = SECTION	OG = ORIGINAL GRADE
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- SHEET KEYNOTES**
- NEW SIDEWALK SECTION
4" PCC, 3500 PSI
4" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
 - SAWCUT AND REPLACE SECTION
8" HMA, TYPE A
 - CONCRETE SHARED USE PATH SECTION
6" PCC, 5000 PSI
6" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
 - AC TRAIL SECTION
5" HMA, TYPE A
5" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
 - AB TRAIL SHOULDER
10" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
 - DG TRAIL SHOULDER
4" DECOMPOSED GRANITE
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 - CONCRETE COLOR AND FINISHES PER LANDSCAPE PLANS
 - STAMPED CONCRETE PER PATTERN B, DETAIL 2, L-507

- GENERAL NOTES:**
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 - FOR RETAINING WALL PROFILE AND DESIGN HEIGHT, SEE STRUCTURAL PLANS.

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Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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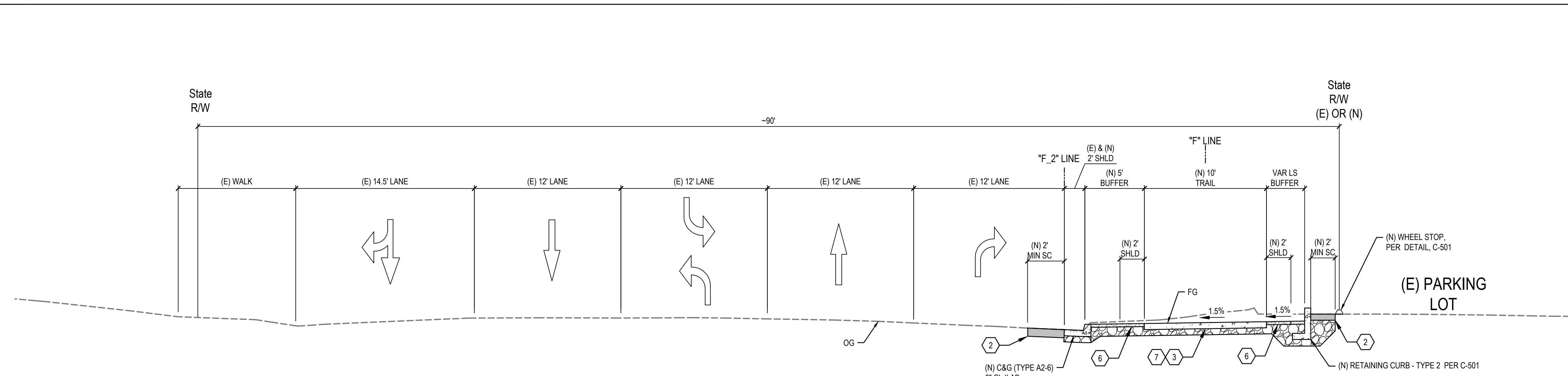
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **CROSS SECTIONS**

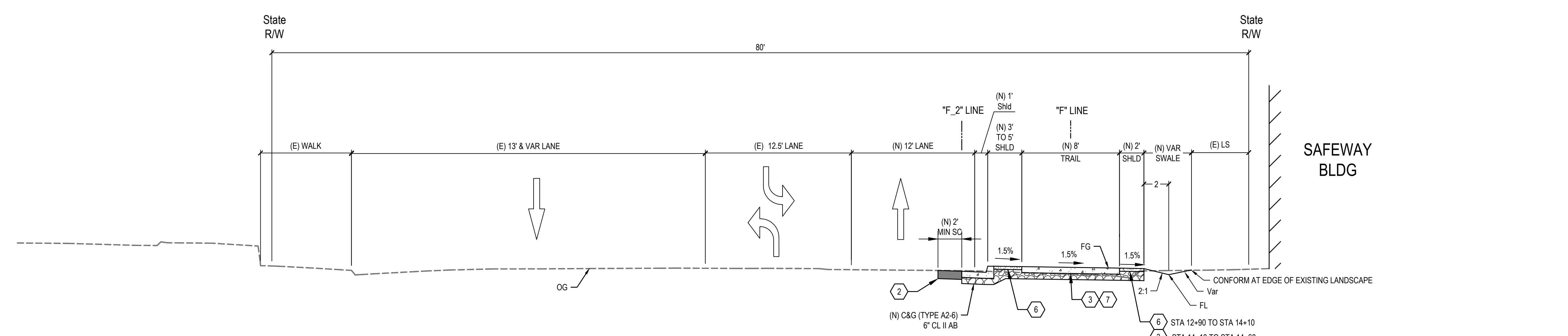
Size **ANSI D**

Status Code

Sheet No. **G-010** of 195



D SR 218 EAST OF FREMONT AT SAFEWAY PARKING LOT
NOT TO SCALE "F" LINE STA 10+40 TO 12+18



E SR 218 AT SAFEWAY BUILDING
NOT TO SCALE "F" LINE STA 12+83 TO 14+70

LEGEND

	MINOR CONCRETE		FILL MATERIAL
	HMA (TYPE A)		AGGREGATE BASE (CL II)
	STAMPED CONCRETE SECTION		DG SHOULDER

ABBREVIATIONS

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Designer	CO	Design Check	SG	Project Director	K. VEDULA



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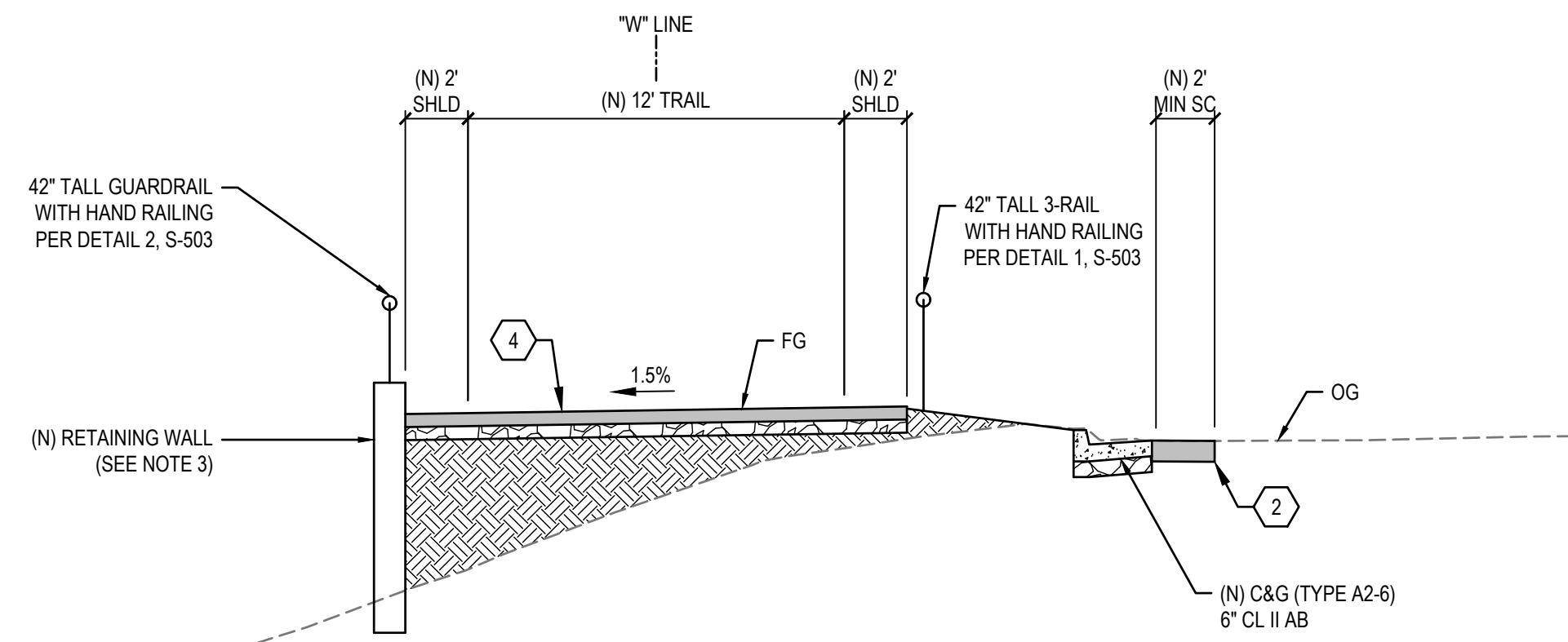


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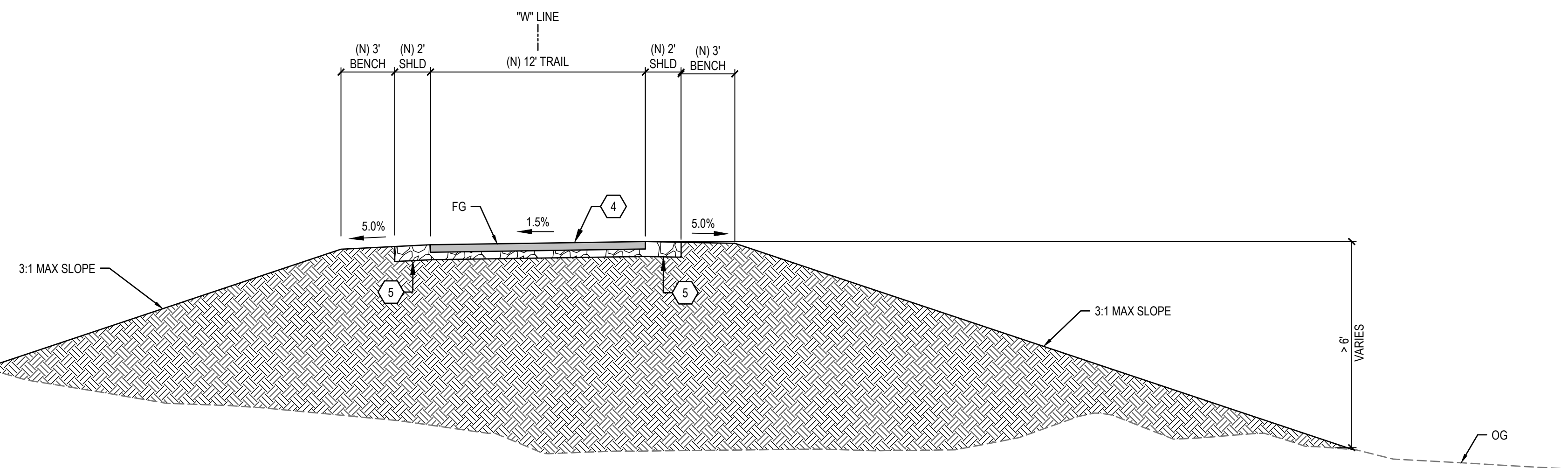


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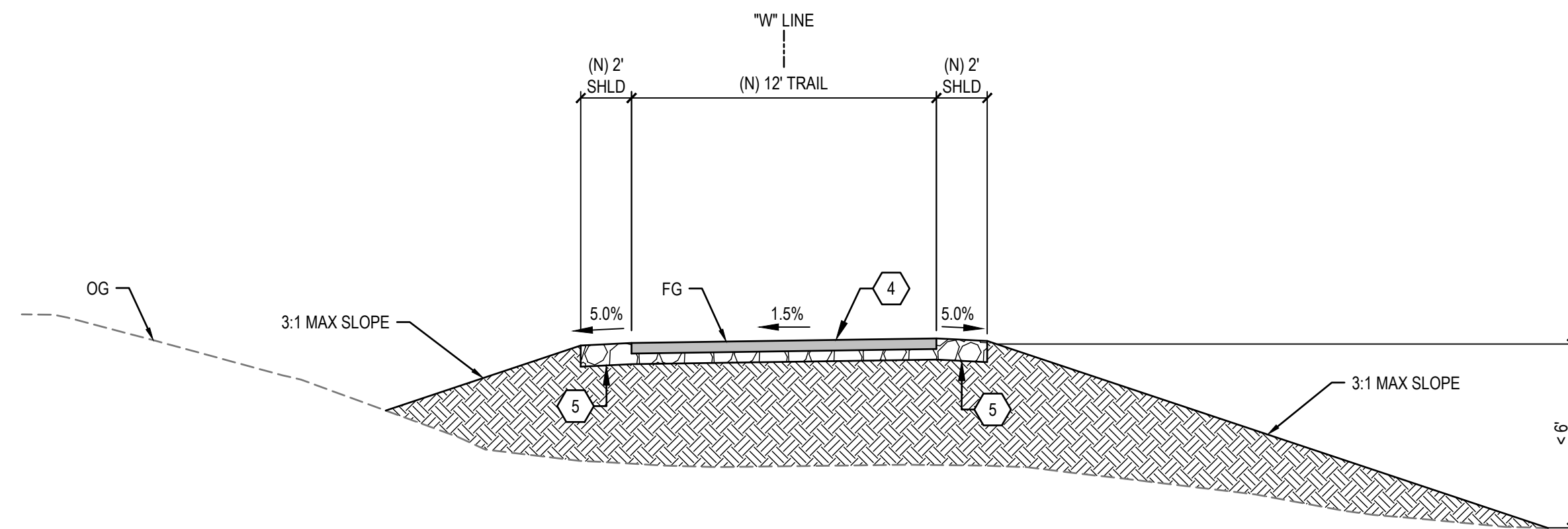
Title	CROSS SECTIONS
Size	ANSI D
Status Code	
Sheet No.	G-011
Sheet	11 of 195



F WORK MEMORIAL PARK @ WILSON
NOT TO SCALE "W" LINE STA 50+21 TO 51+03

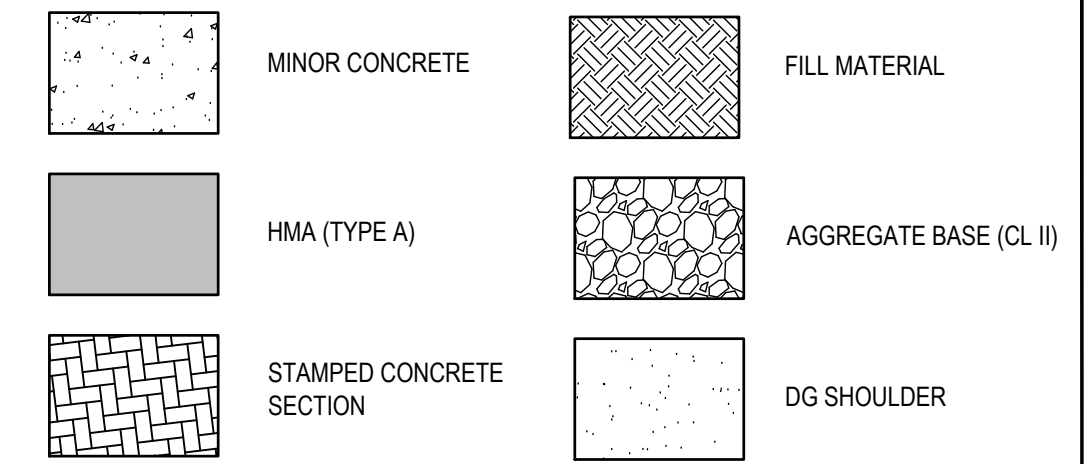


G WORK MEMORIAL PARK
NOT TO SCALE "W" LINE STA 51+50 TO 56+08



H WORK MEMORIAL PARK
NOT TO SCALE "W" LINE STA 56+08 TO 56+85

LEGEND



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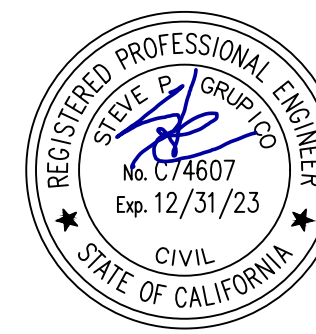
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Designer	CO	Design Check	SG	Project Director	K. VEDULA



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Title **CROSS SECTIONS**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Sheet No. **G-012** Sheet 12 of 195

LEGEND

	MINOR CONCRETE		FILL MATERIAL
	HMA (TYPE A)		AGGREGATE BASE (CL II)
	STAMPED CONCRETE SECTION		DG SHOULDER

ABBREVIATIONS

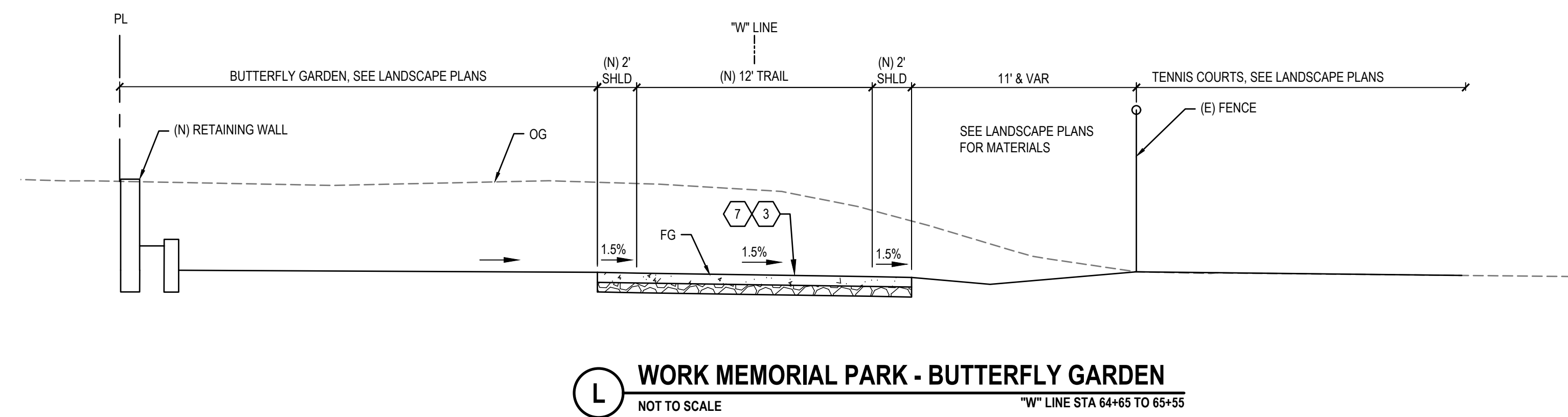
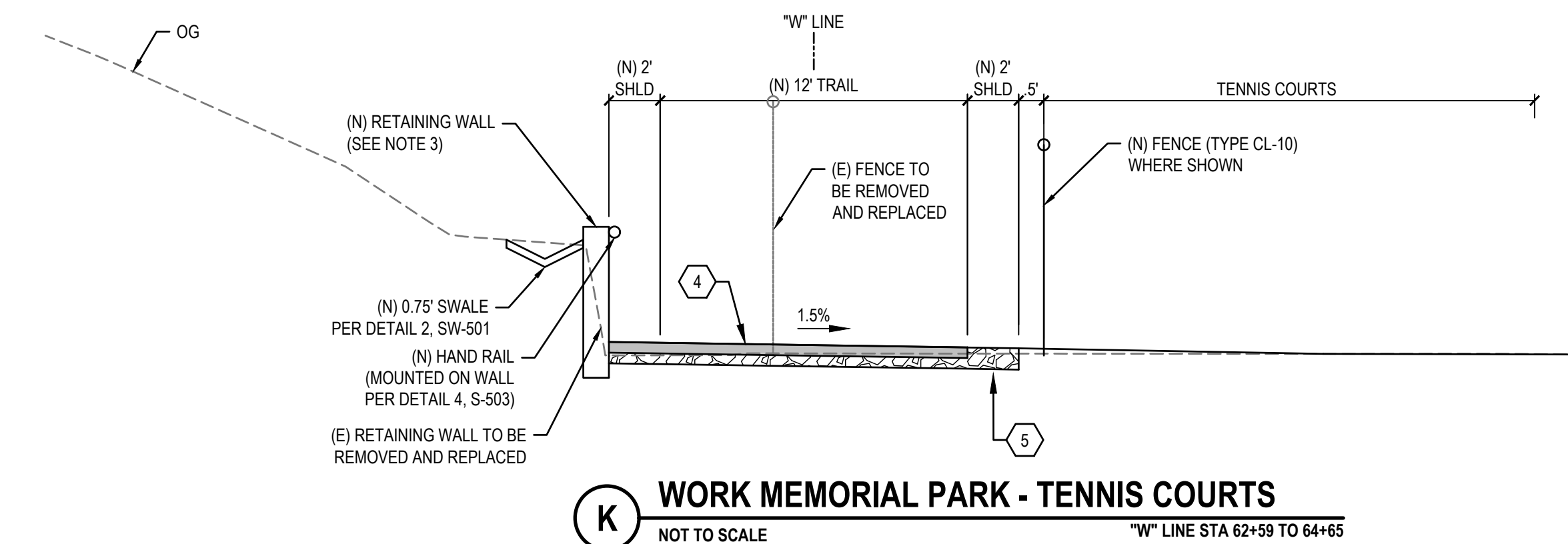
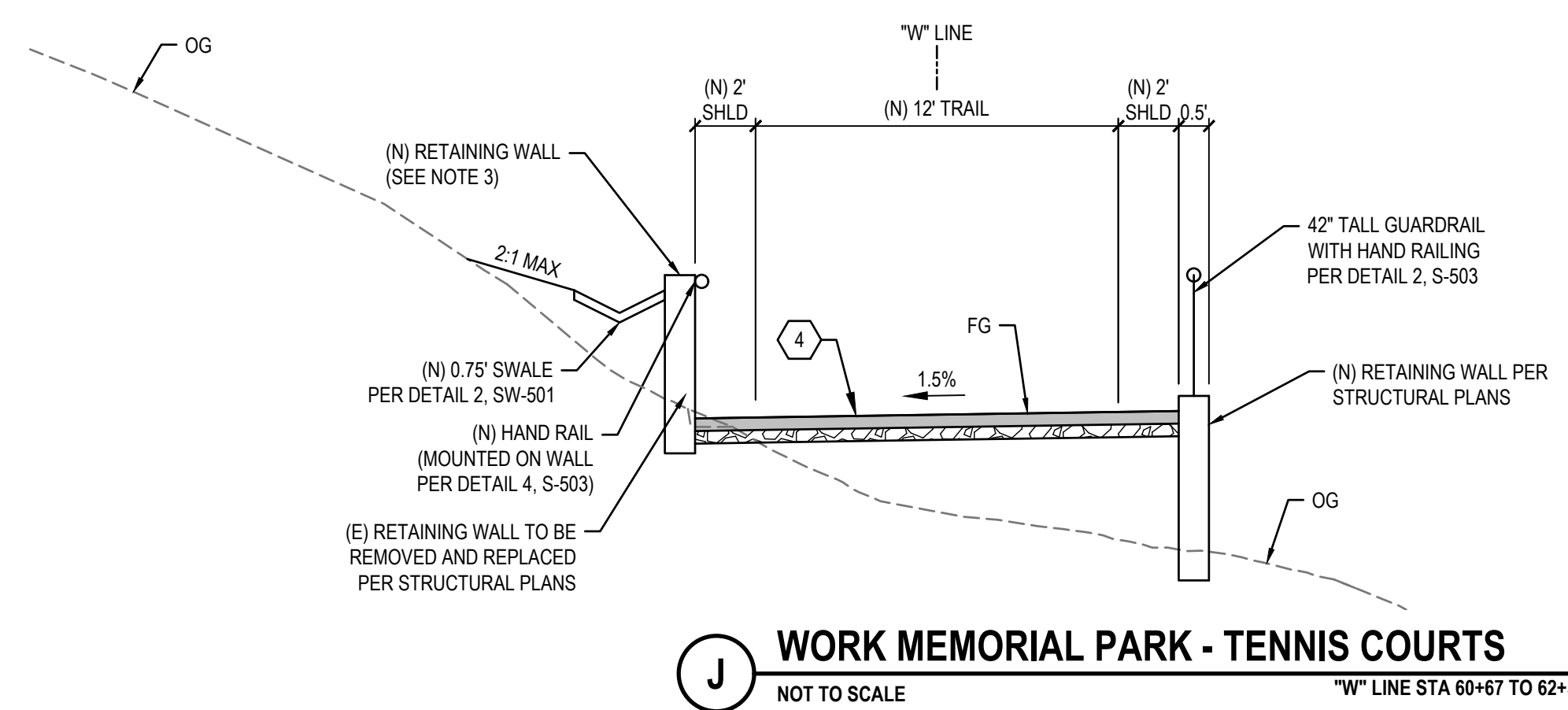
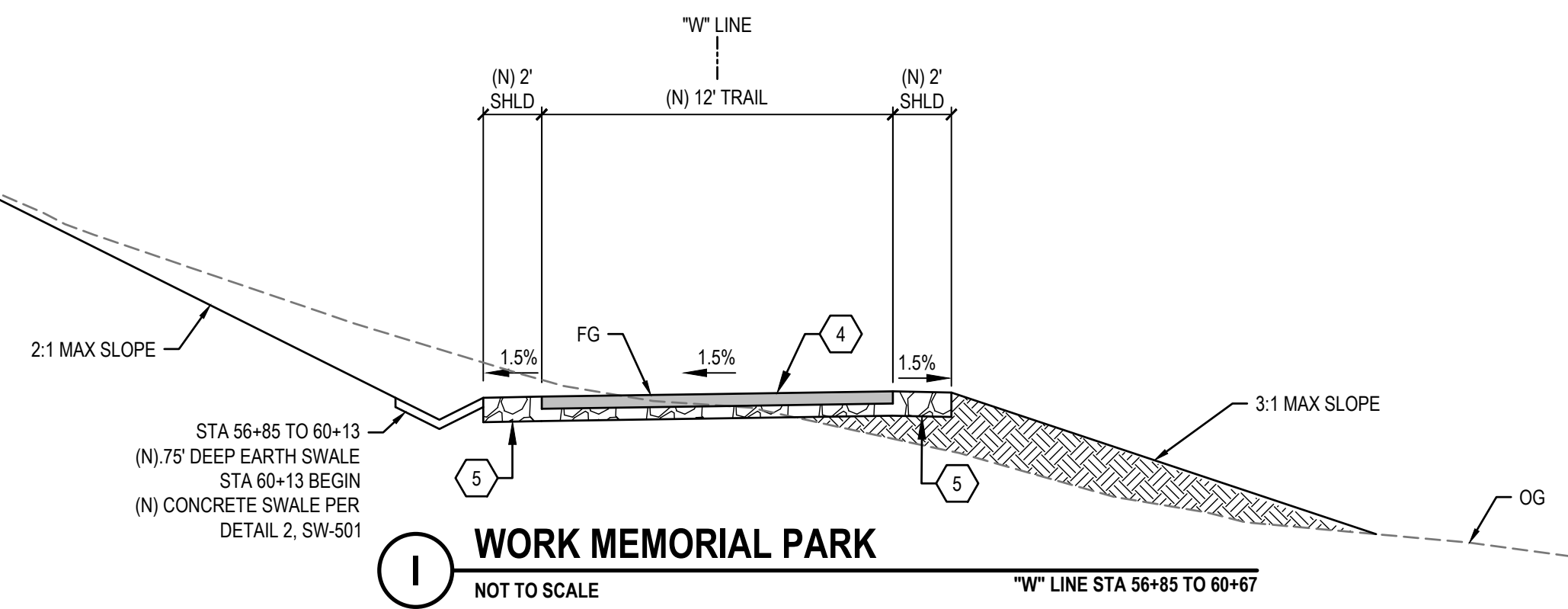
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Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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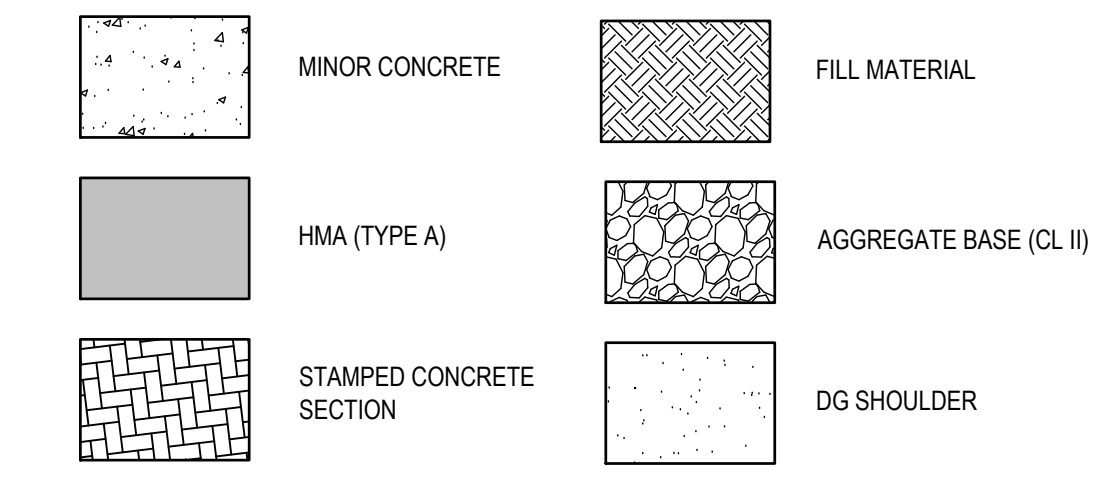
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	CROSS SECTIONS
Size	ANSI D
Status Code	
Sheet No.	G-013
Sheet	13 of 195

LEGEND



ABBREVIATIONS

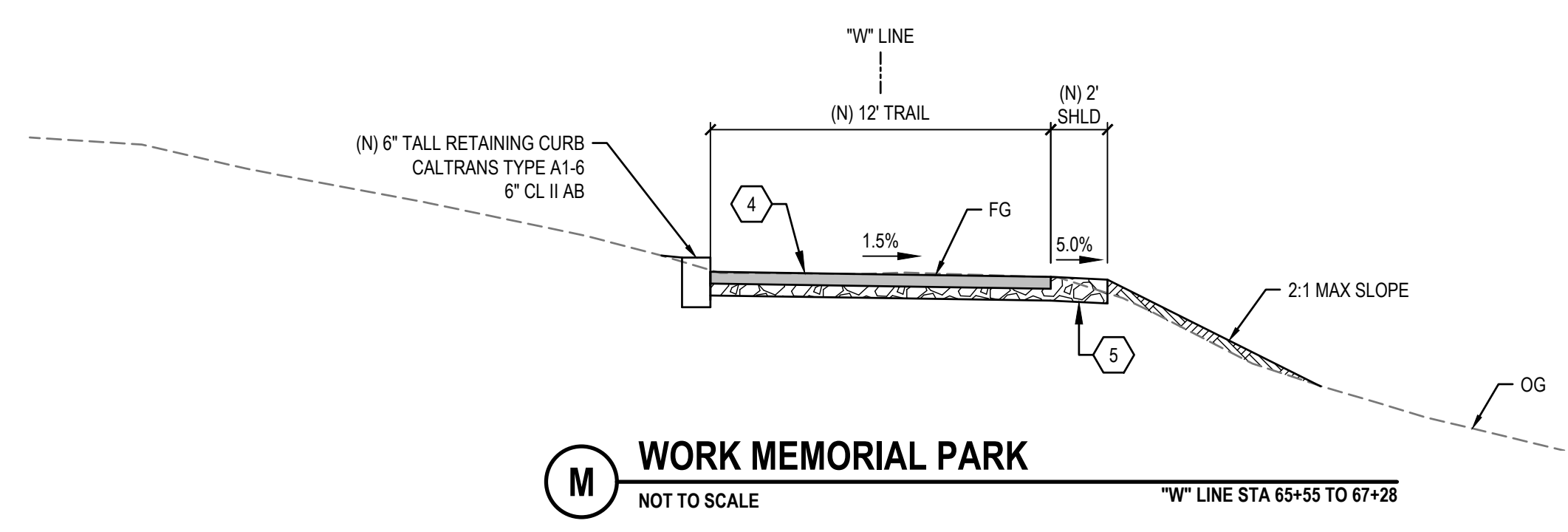
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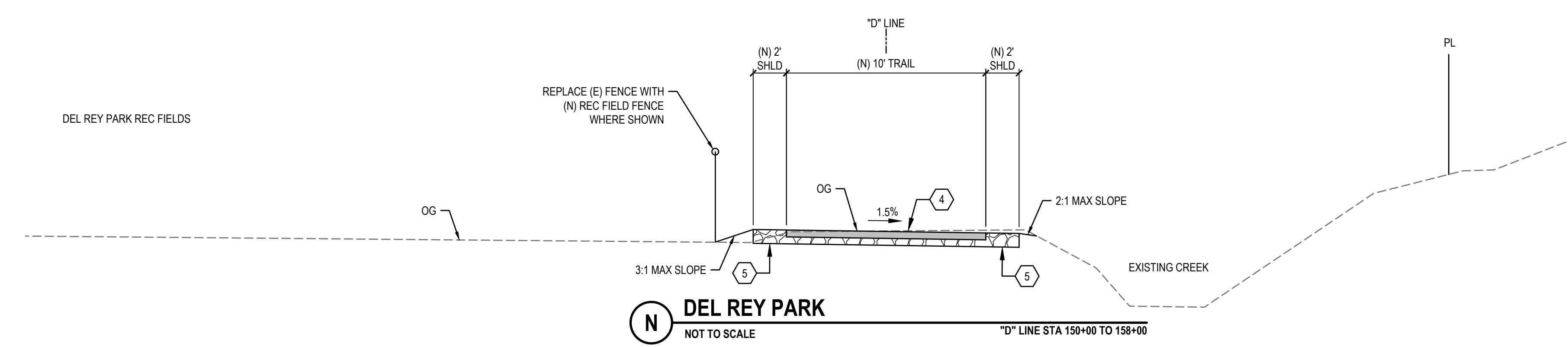
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GENERAL NOTES:

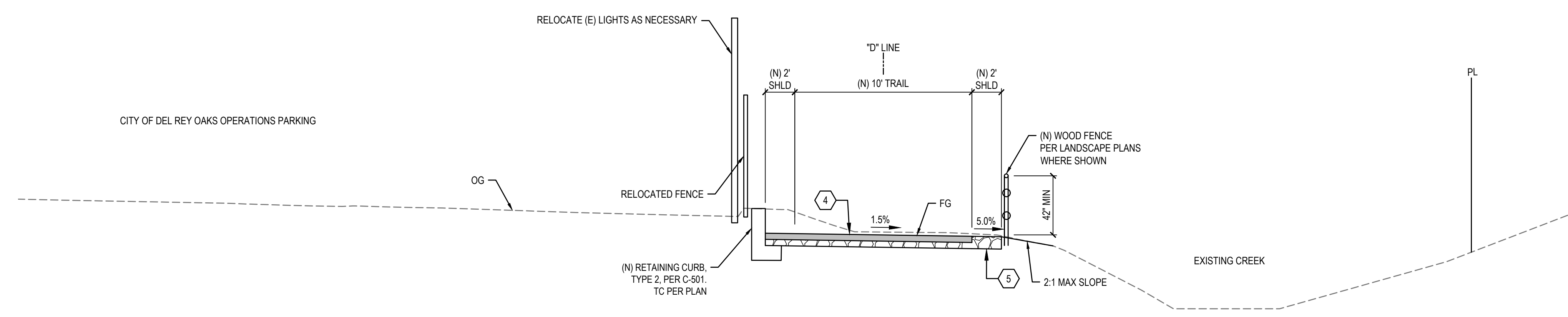
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEER AT THE DISTRICT OFFICE.
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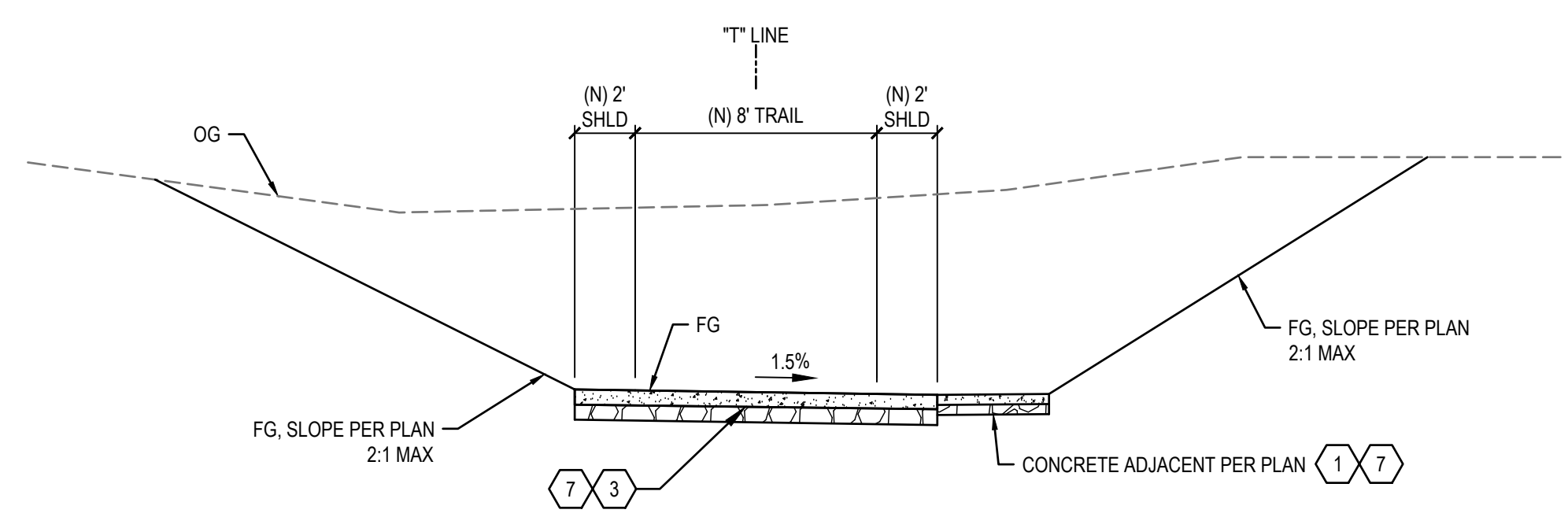
M WORK MEMORIAL PARK
 NOT TO SCALE "W" LINE STA 65+55 TO 67+28



N DEL REY PARK
 NOT TO SCALE "D" LINE STA 150+00 TO 158+00



O DEL REY OAKS CITY OPERATIONS
 NOT TO SCALE "D" LINE STA 158+00 TO 160+52



P SOUTHERN UNDERCROSSING APPROACH
 NOT TO SCALE "T" LINE STA 200+40 TO 200+82

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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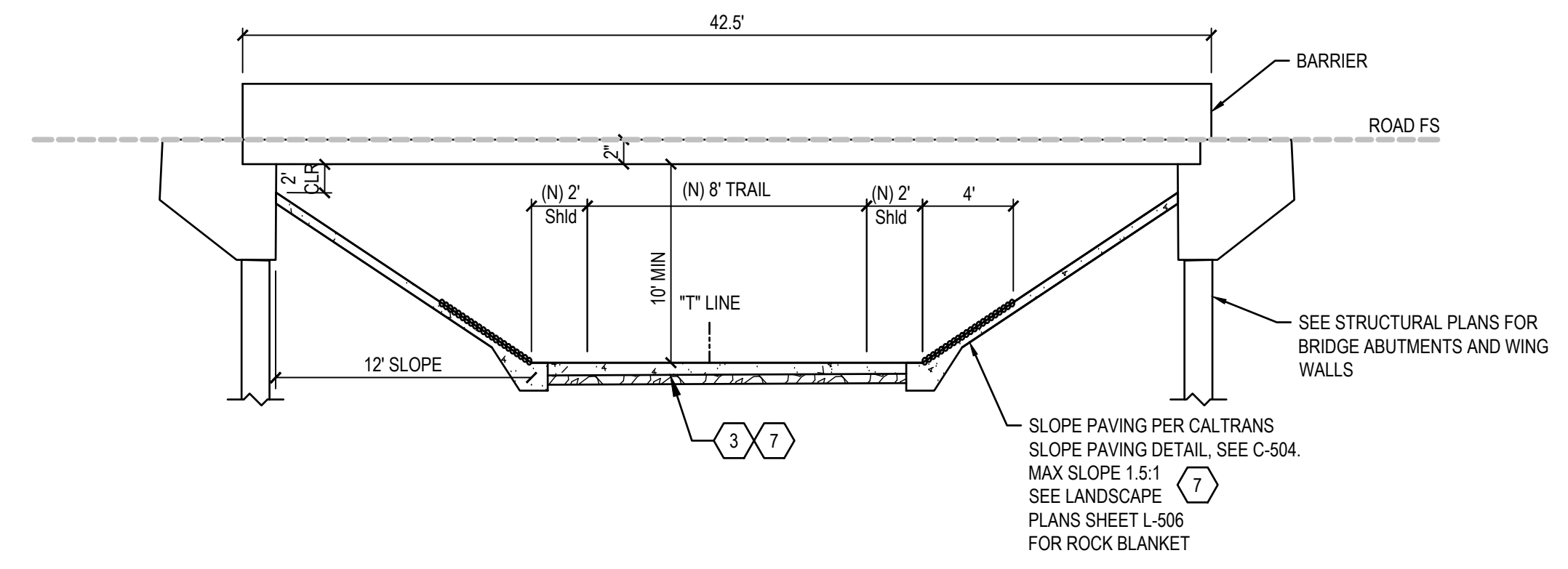


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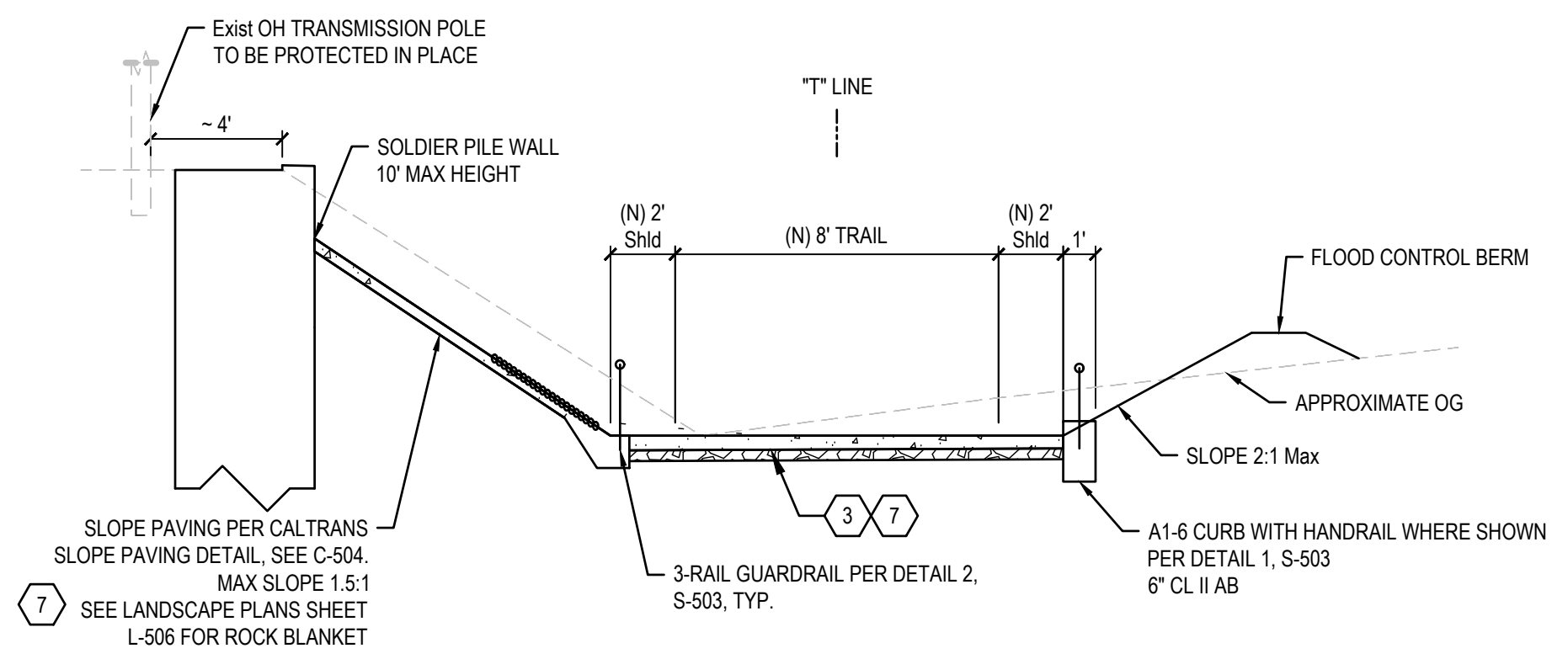


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
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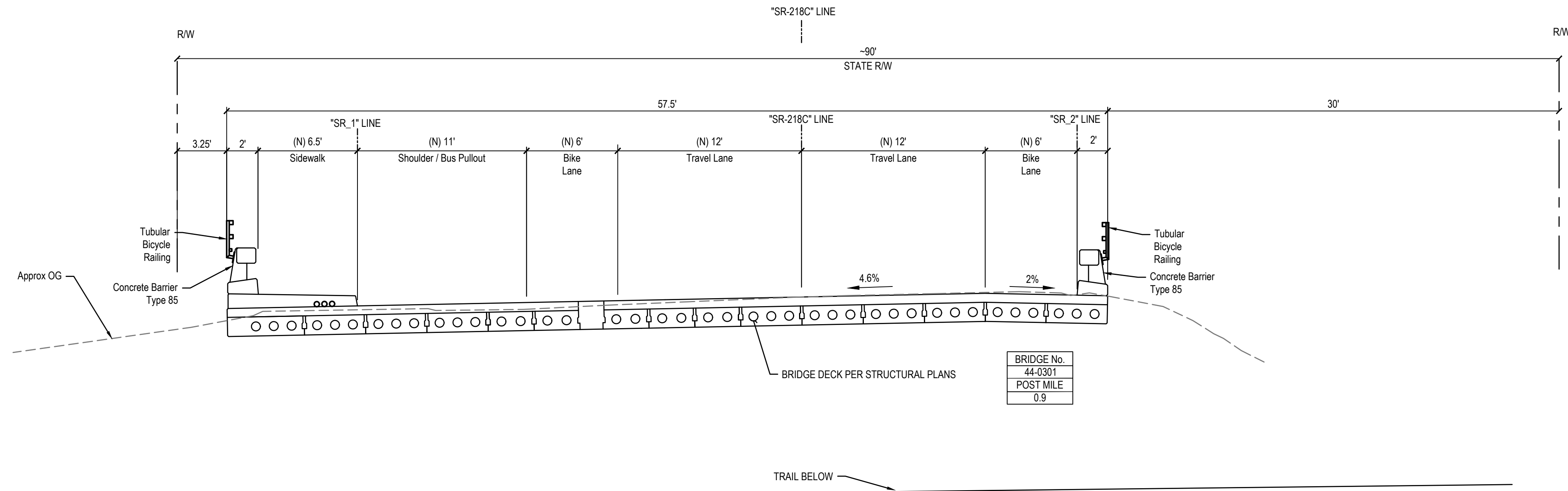
Title	CROSS SECTIONS
Size	ANSI D
Status Code	
Sheet No.	G-014
Sheet	14 of 195



Q TRAIL UNDER SR 218
NOT TO SCALE "T" LINE STA 200+82 TO 201+41

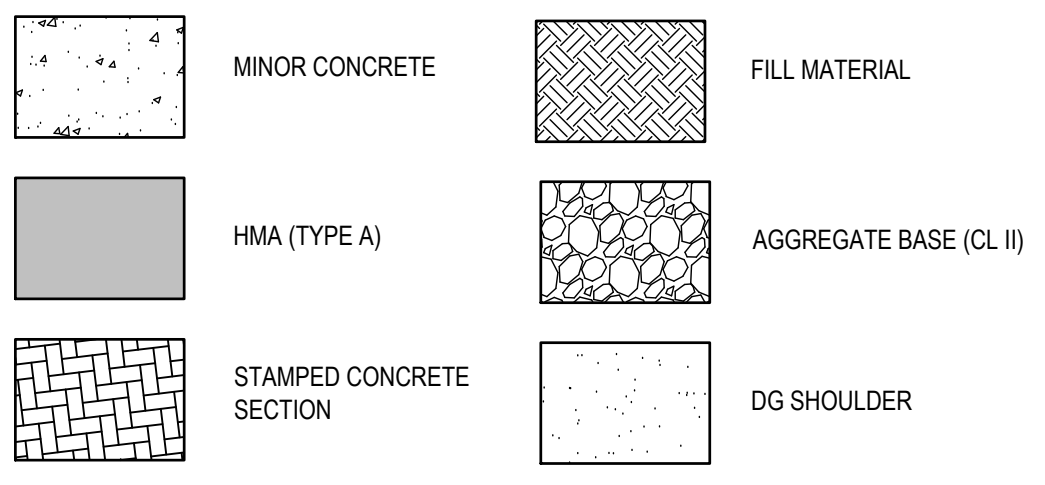


R TRAIL UNDER SR 218 - NORTHERN APPROACH
NOT TO SCALE "T" LINE STA 201+41 TO 202+07



S SR 218 BRIDGE AT TRAIL UNDERCROSSING
NOT TO SCALE "SR218" LINE STA 104+76 TO STA 105+55

LEGEND



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Project
FORTAG TRAIL PROJECT

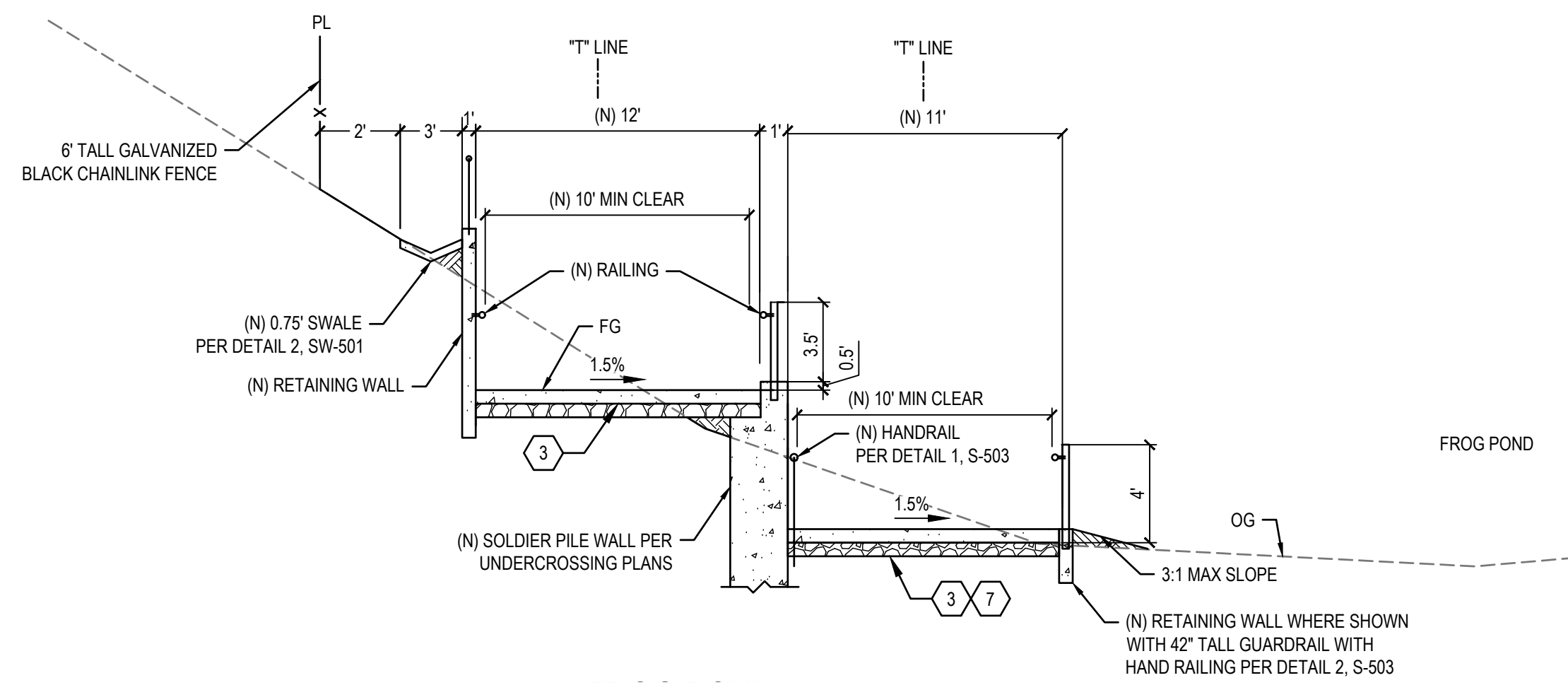
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Title **CROSS SECTIONS**

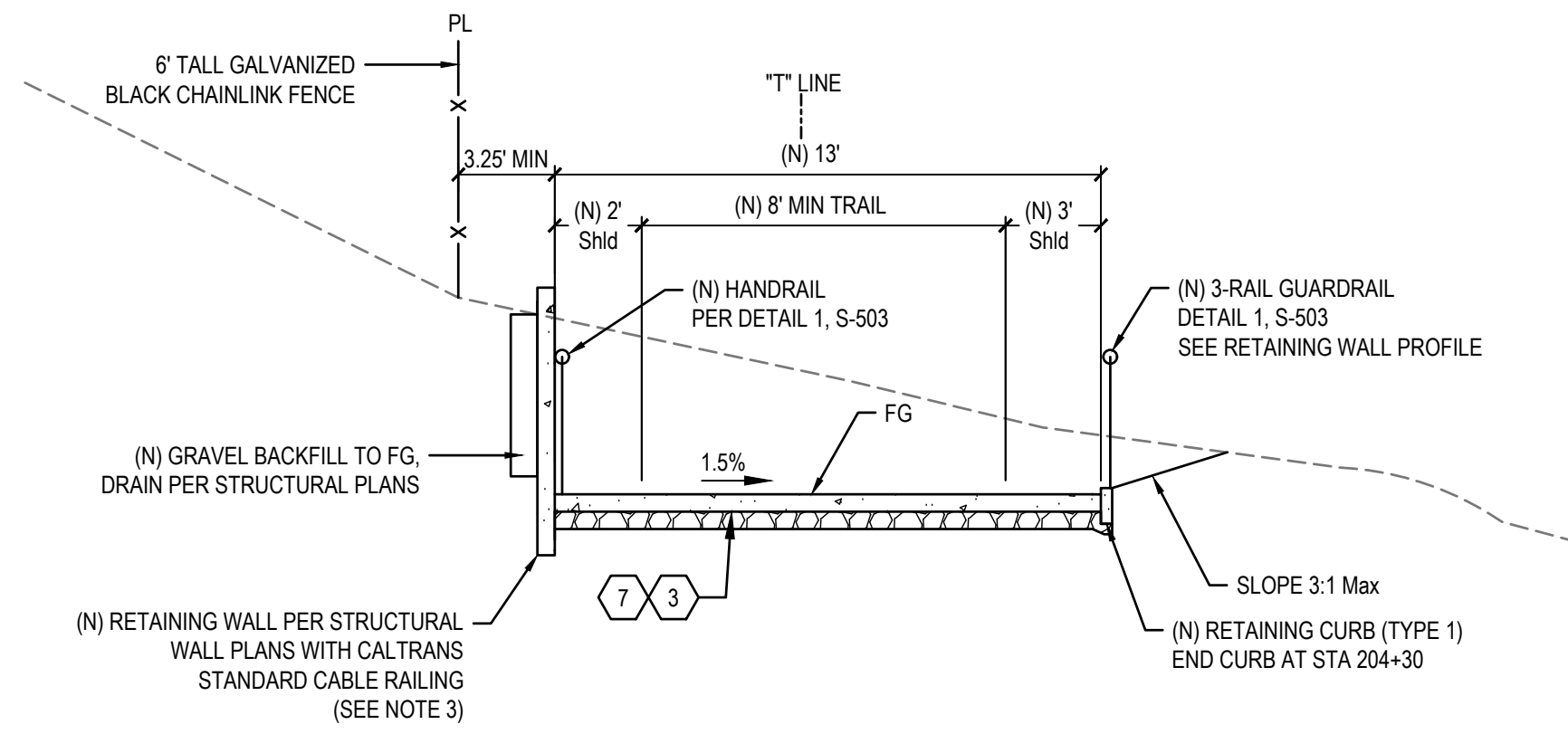
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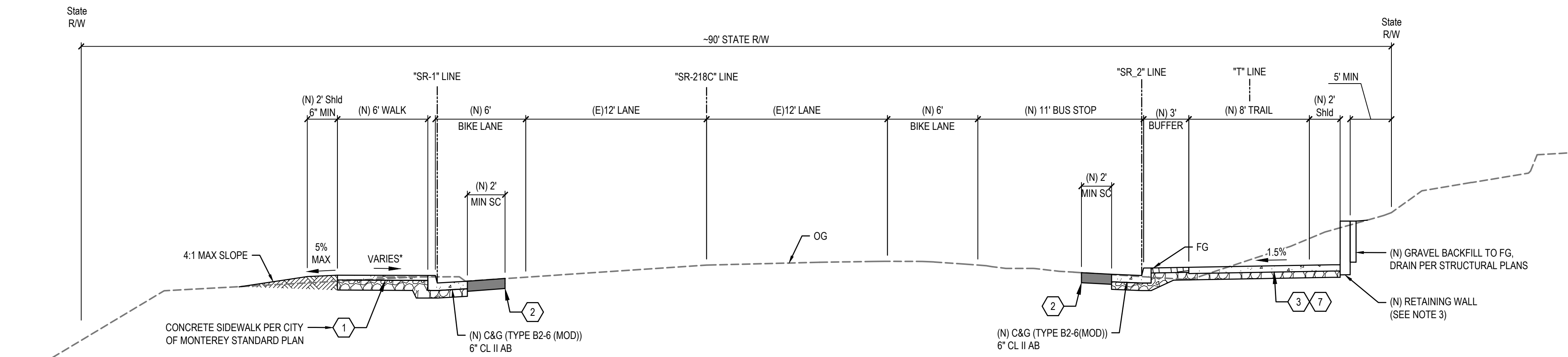
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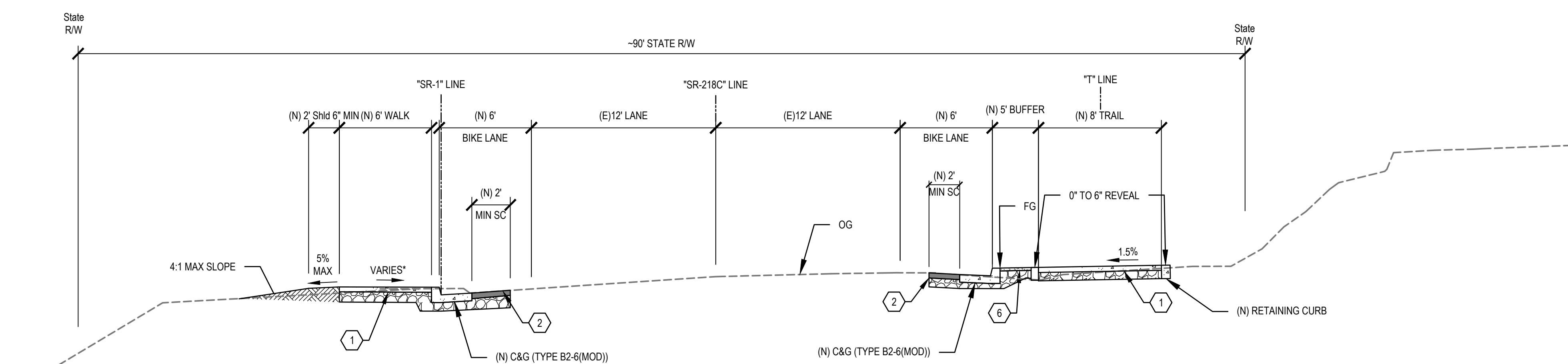
T FROG POND
NOT TO SCALE
T LINE STA 202+07 TO 203+80



U NORTHERN FROG POND APPROACH
NOT TO SCALE
T LINE STA 203+80 TO 204+70



V SR 218 @ CARLTON DRIVE
NOT TO SCALE
SR-1 LINE STA 351+92 TO STA 353+00
SR218C LINE STA 103+70 TO STA 104+76
T LINE STA 204+18 TO STA 205+28



W SR 218 @ CARLTON DRIVE
NOT TO SCALE
SR-1 LINE STA 353+00 TO STA 354+65
SR218C LINE STA 103+40 TO STA 103+70
T LINE STA 205+28 TO STA 205+59

LEGEND

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	STAMPED CONCRETE SECTION		DG SHOULDER

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 - DIMENSIONS OF PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 - FOR RETAINING WALL PROFILE AND DESIGN HEIGHT, SEE STRUCTURAL PLANS.

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA

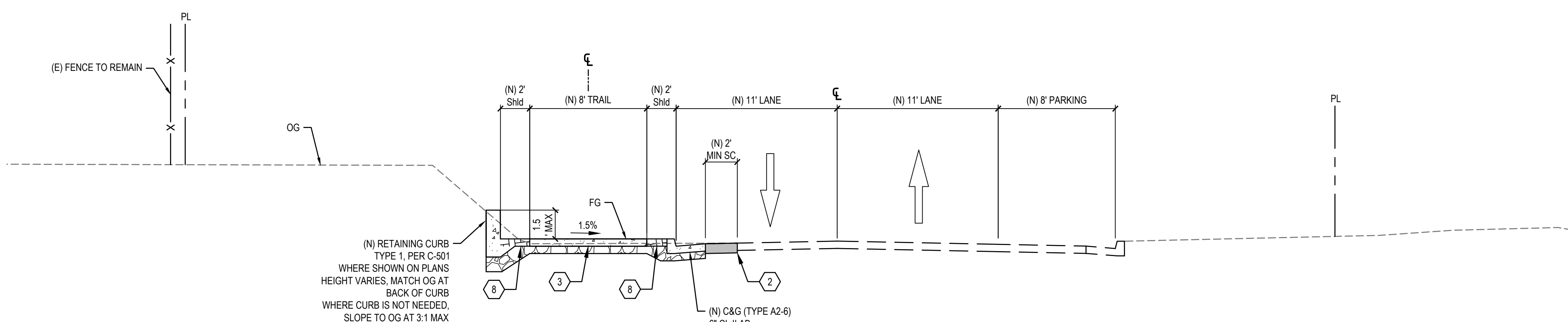


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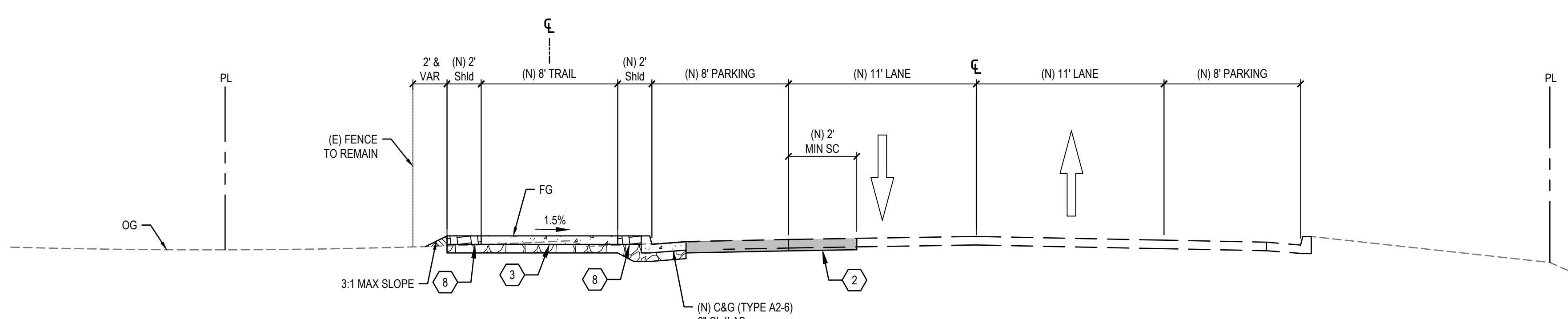


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

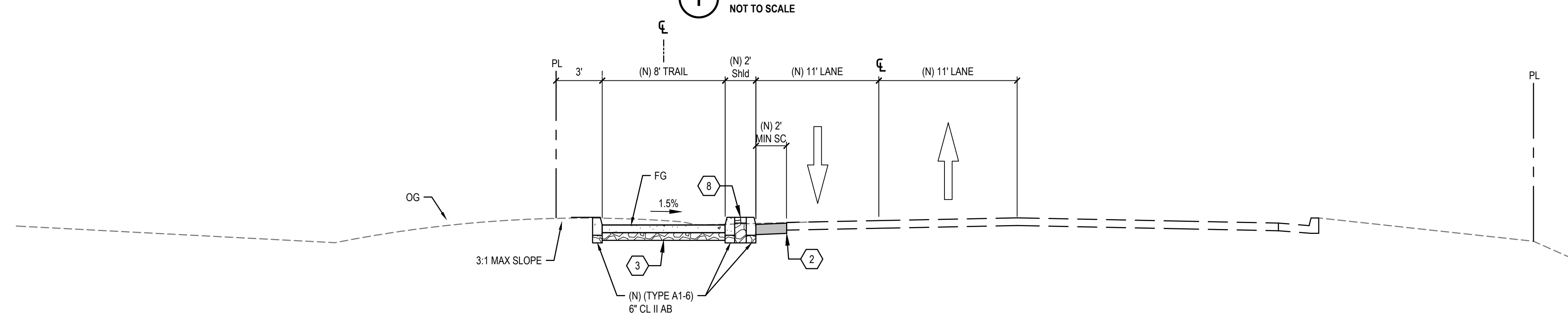
Title	CROSS SECTIONS
Size	ANSI D
Status Code	
Sheet No.	G-016
Sheet	16 of 195



X CARLTON DRIVE
NOT TO SCALE

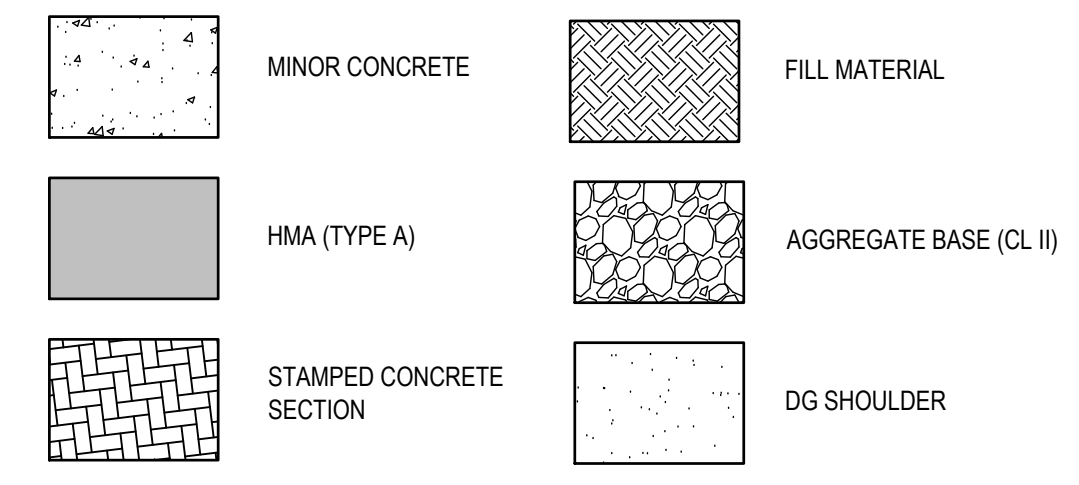


Y CARLTON DRIVE
NOT TO SCALE



Z CARLTON DRIVE
NOT TO SCALE

LEGEND



ABBREVIATIONS
 (E) = EXISTING (N) = NEW (MIN = MINIMUM)
 SC = SECTION (SHLD = SHOULDER)
 OG = ORIGINAL GRADE (FG = FINISHED GRADE)

SHEET KEYNOTES

- NEW SIDEWALK SECTION
4" PCC, 3500 PSI
4" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- SAWCUT AND REPLACE SECTION
8" HMA, TYPE A
- CONCRETE SHARED USE PATH SECTION
6" PCC, 5000 PSI
6" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- AC TRAIL SECTION
5" HMA, TYPE A
5" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- AB TRAIL SHOULDER
10" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- DG TRAIL SHOULDER
4" DECOMPOSED GRANITE
6" CL II AB
SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- CONCRETE COLOR AND FINISHES PER LANDSCAPE PLANS
- STAMPED CONCRETE PER PATTERN B, DETAIL 2, L-507

GENERAL NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEER AT THE DISTRICT OFFICE.
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- FOR RETAINING WALL PROFILE AND DESIGN HEIGHT, SEE STRUCTURAL PLANS.

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



Bar is one inch on original size sheet
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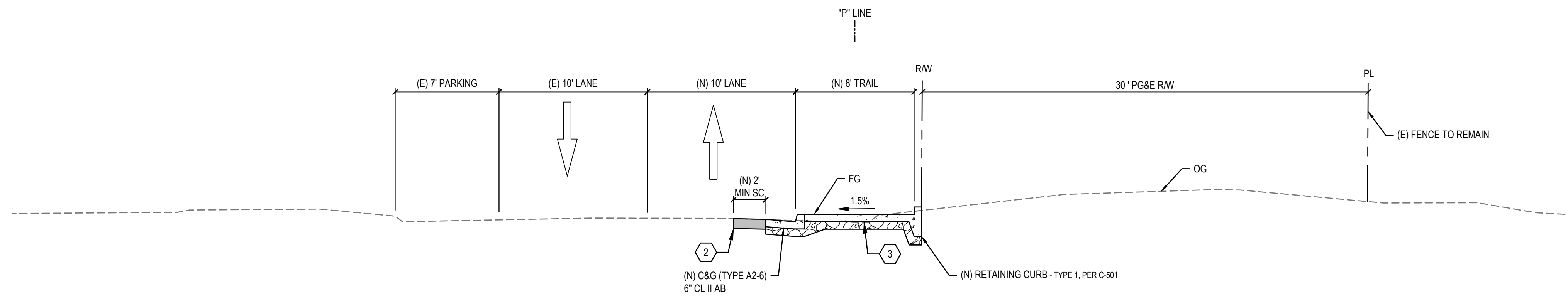


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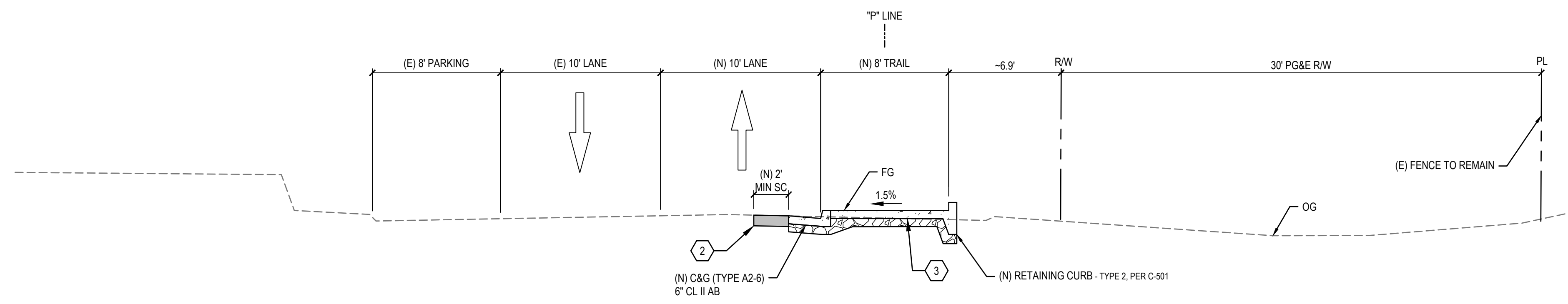


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

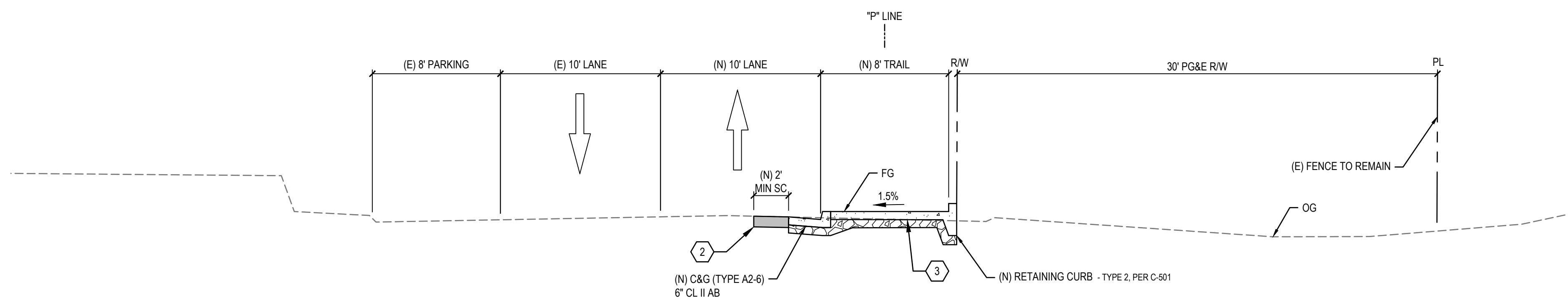
Title	CROSS SECTIONS
Size	ANSI D
Status Code	
Sheet No.	G-017
Sheet	17 of 195



AA PLUMAS AVENUE
NOT TO SCALE

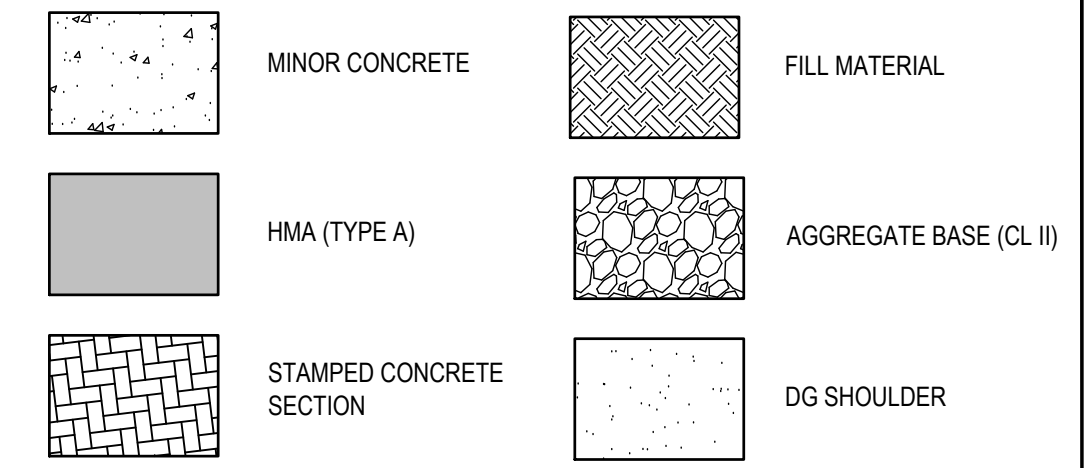


BB PLUMAS AVENUE
NOT TO SCALE



CC PLUMAS AVENUE
NOT TO SCALE

LEGEND



ABBREVIATIONS

(E) = EXISTING (N) = NEW MIN = MINIMUM
 SC = SECTION SHLD = SHOULDER FG = FINISHED GRADE
 OG = ORIGINAL GRADE

SHEET KEYNOTES

- NEW SIDEWALK SECTION
 4" PCC, 3500 PSI
 4" CL II AB
 SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- SAWCUT AND REPLACE SECTION
 8" HMA, TYPE A
- CONCRETE SHARED USE PATH SECTION
 6" PCC, 5000 PSI
 6" CL II AB
 SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- AC TRAIL SECTION
 5" HMA, TYPE A
 5" CL II AB
 SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- AB TRAIL SHOULDER
 10" CL II AB
 SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- DG TRAIL SHOULDER
 4" DECOMPOSED GRANITE
 6" CL II AB
 SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
- CONCRETE COLOR AND FINISHES PER LANDSCAPE PLANS
- STAMPED CONCRETE PER PATTERN B, DETAIL 2, L-507

GENERAL NOTES:

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No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



Bar is one inch on original size sheet
 0 ————— 1"



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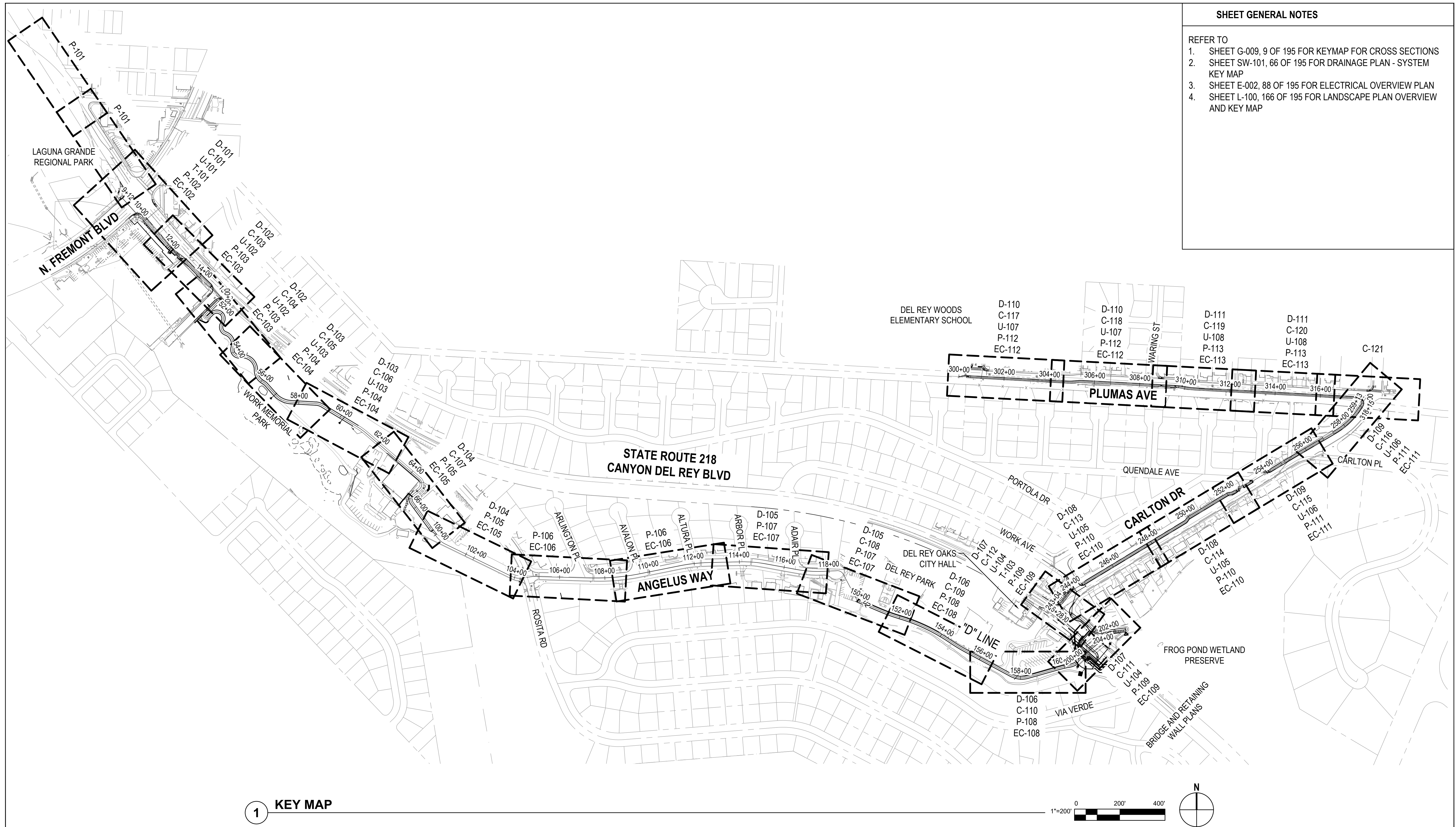
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY		
Project	FORTAG TRAIL PROJECT		
Project No.	Date	Scale	
11220281	December 1, 2023	AS SHOWN	

Title	CROSS SECTIONS	
Sheet No.	G-018	Sheet 18 of 195

SHEET GENERAL NOTES

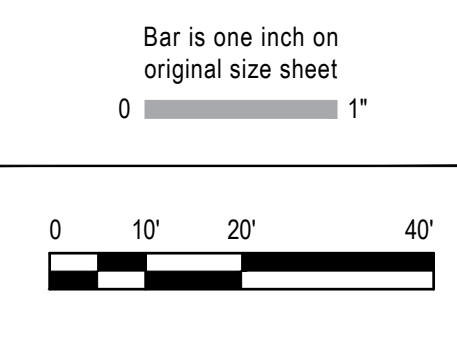
REFER TO

1. SHEET G-009, 9 OF 195 FOR KEYMAP FOR CROSS SECTIONS
2. SHEET SW-101, 66 OF 195 FOR DRAINAGE PLAN - SYSTEM KEY MAP
3. SHEET E-002, 88 OF 195 FOR ELECTRICAL OVERVIEW PLAN
4. SHEET L-100, 166 OF 195 FOR LANDSCAPE PLAN OVERVIEW AND KEY MAP



1 KEY MAP

No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
		Designer	CO	Design Check	SG	Project Director	K. VEDULA	
		Project Manager	L. VAN PARYS					



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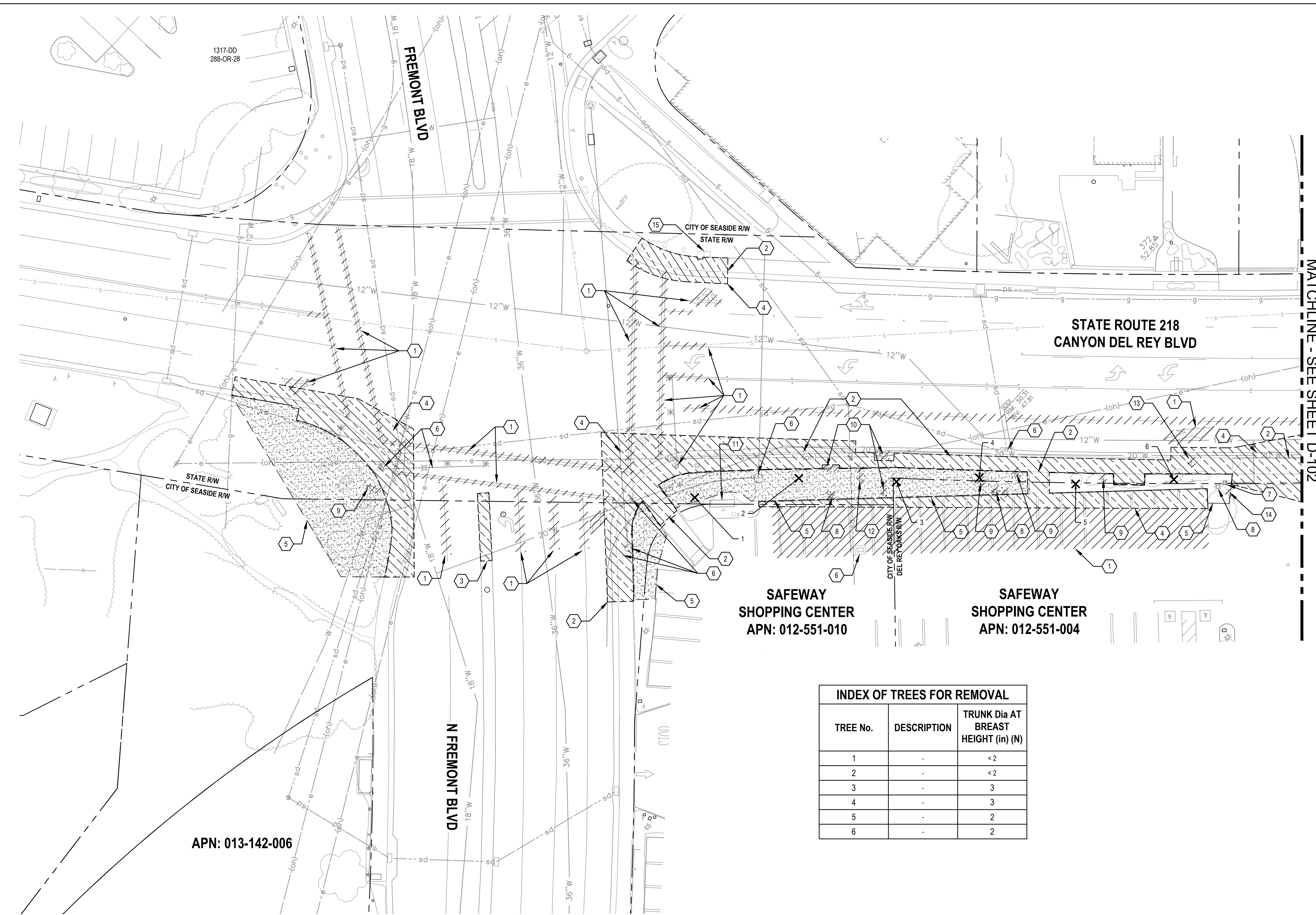
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Project No. 11220281	Date December 1, 2023	Scale AS SHOWN
Project FORTAG TRAIL PROJECT			

Title **PROJECT KEY MAP**

Size **ANSI D**

Status Code

Sheet No. **G-019** Sheet 19 of 195



MATCHLINE - SEE SHEET D-102

- ### SHEET GENERAL NOTES
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
 - UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
 - CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
 - DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
 - VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
 - ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
 - HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 - CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.
 - ALL STRIPING REMOVALS NOT COVERED BY PROPOSED SLURRY SEAL SHALL BE GROUND AND FOG SEALED.
 - ALL SIGNS REMOVED SHALL BE SALVAGED TO THE AGENCY WHO OWNS THE RIGHT OF WHICH WHERE THE SIGN WAS REMOVED FROM, SUCH AS THE STATE, THE CITY OF DEL REY OAKS, OR THE CITY OF SEASIDE.

- ### SHEET KEYNOTES
- REMOVE EXISTING STRIPING, CROSS WALK, TURN ARROW, AND ROAD REFLECTOR.
 - SAWCUT, REMOVE, AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, SIDEWALK, AND RAMP.
 - SAWCUT, DEMOLISH, REMOVE, AND DISPOSE OF EXISTING CONCRETE MEDIAN AND NO U-TURN SIGN.
 - SAWCUT, DEMOLISH, AND REMOVE PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
 - CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
 - EXISTING TO REMAIN, PROTECT-IN-PLACE.
 - FIRE HYDRANT TO BE REMOVED BY OTHERS (CAL-AM).
 - REMOVE EXISTING LIGHT. DISPOSE OF EXISTING FOUNDATION. PROTECT IN-PLACE CONDUIT AND CIRCUIT. SALVAGE EXISTING POLE AND LUMINARIE FOR RE-USE PER ELECTRICAL PLANS.
 - REMOVE EXISTING "BUCKLE UP" SIGN AND FOUNDATION.
 - EXISTING OVERHEAD UTILITY POLE AND ELECTRICAL SERVICE DROP TO REMAIN. PROTECT-IN-PLACE. RELOCATE EXISTING DOWN GUYS. COORDINATE WITH UTILITY OWNER.
 - EXISTING BUSINESS SIGN TO REMAIN, PROTECT-IN-PLACE.
 - EXISTING DEL REY OAKS CITY LIMITS SIGN AND STATE ROUTE 218 SIGN TO BE REMOVED, SALVAGED, AND RELOCATED. SEE SIGNING AND STRIPING PLANS FOR RELOCATION.
 - REMOVE AND SALVAGE EXISTING BUS TRANSIT SIGN AND FOUNDATION. SEE SIGNING AND STRIPING PLANS FOR RELOCATION.
 - REMOVE AND SALVAGE EXISTING COMMERCIAL PROPERTY PARKING SIGN AND FOUNDATION. SEE SIGNING AND STRIPING PLANS FOR RELOCATION.
 - PROTECT IN PLACE EXISTING SIGNAL CABINET

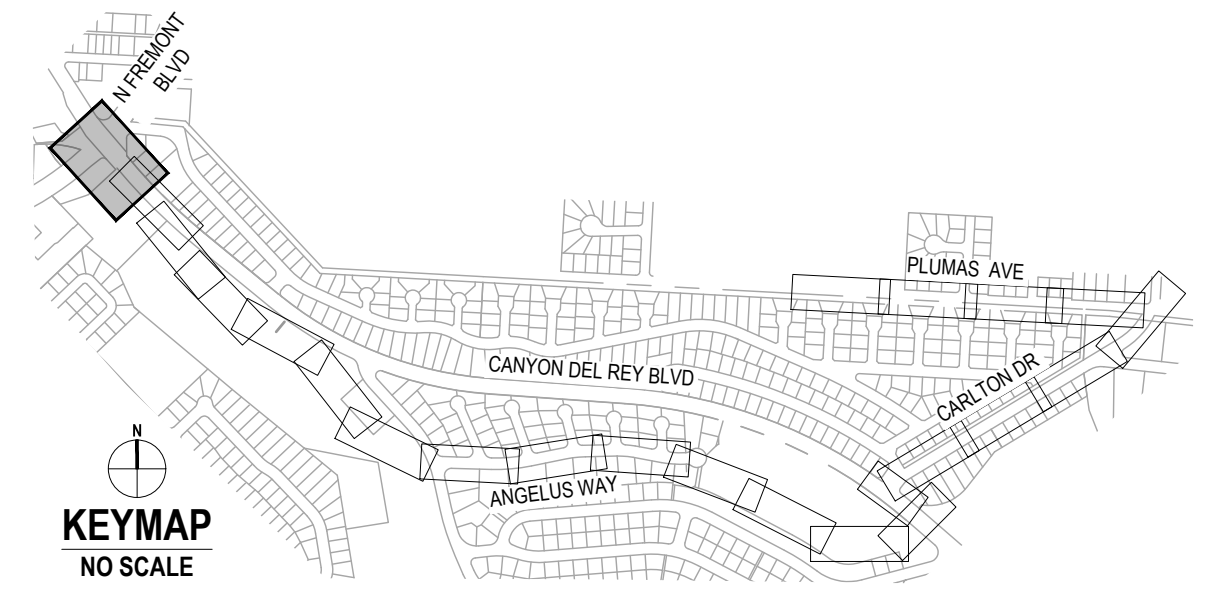
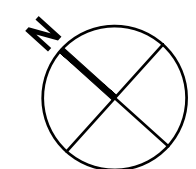
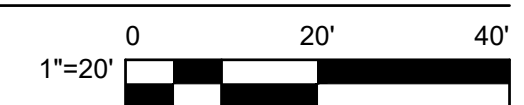
SHEET LEGEND

- EXTENT OF CLEAR AND GRUB
- EXTENT OF SAWCUT, DEMOLISH AND REMOVE
- REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
- SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
- REMOVE TREE

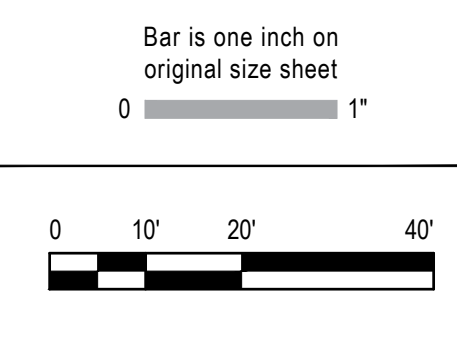
INDEX OF TREES FOR REMOVAL

TREE No.	DESCRIPTION	TRUNK Dia AT BREAST HEIGHT (in) (N)
1	-	<2
2	-	<2
3	-	3
4	-	3
5	-	2
6	-	2

1 DEMOLITION PLAN



No.	Issue	Author	Checked	Approved	Date
	Author	EM	Drafting Check	SG	
	Designer	CO	Design Check	SG	
	Project Manager	L. VAN PARYS			
	Project Director	K. VEDULA			



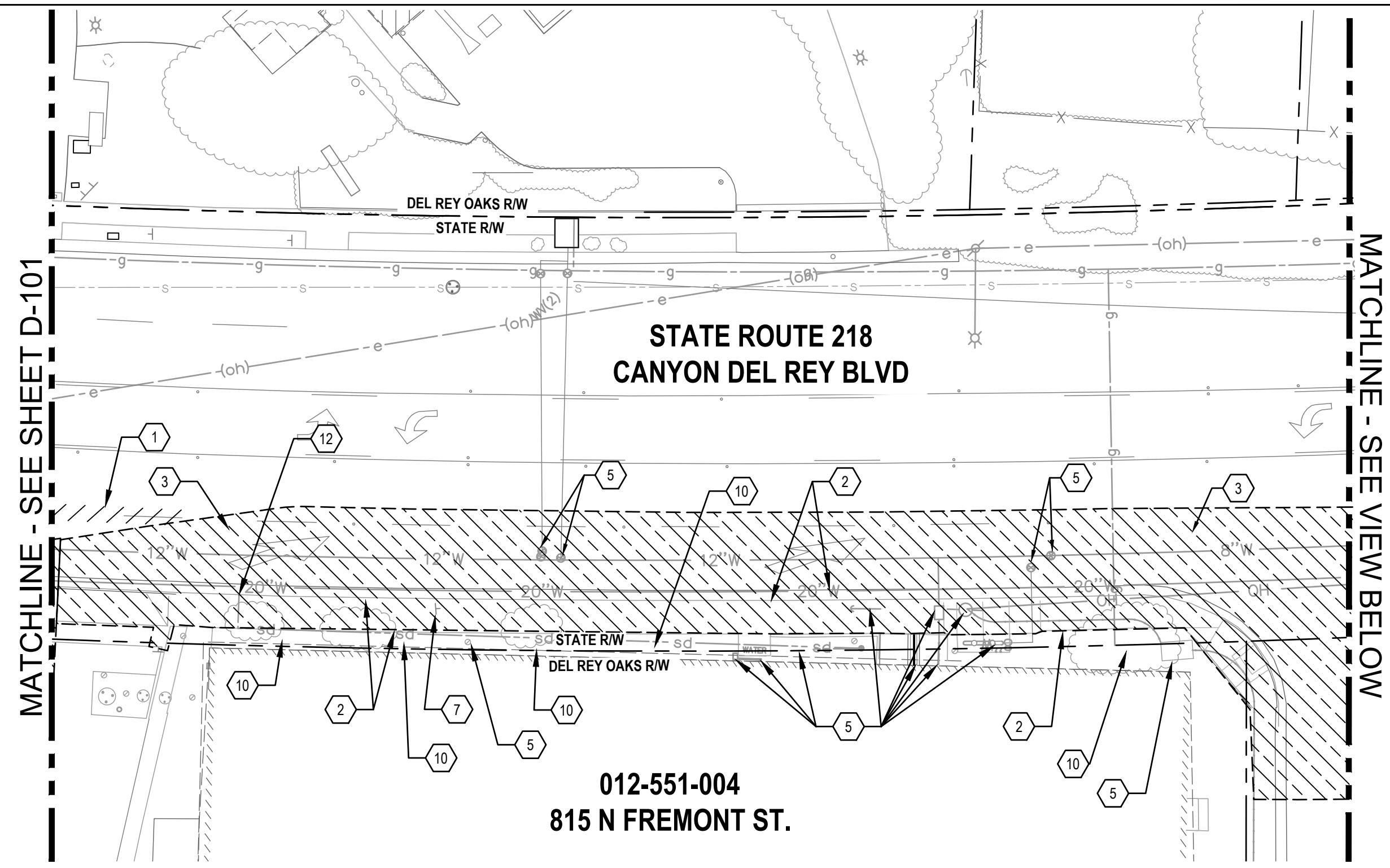
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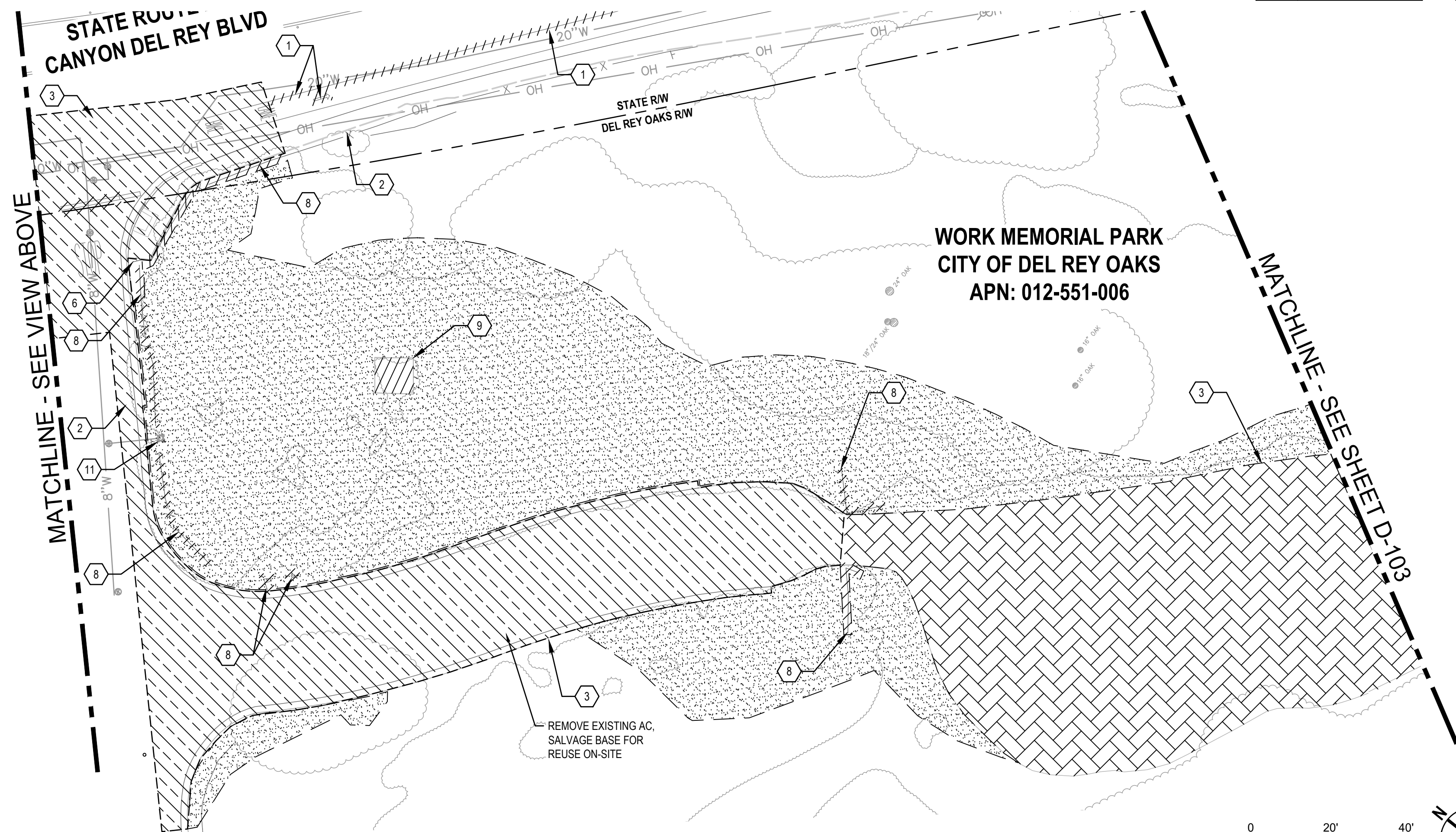
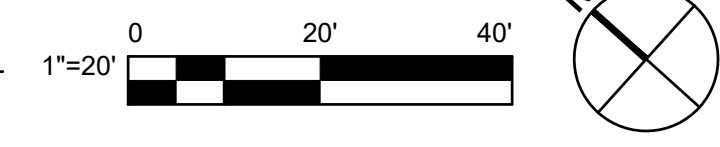


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

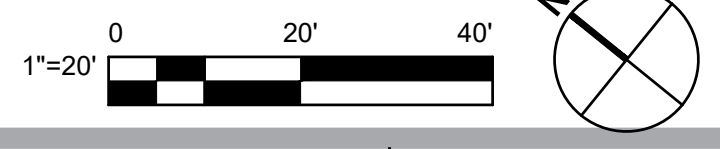
Title	EXISTING CONDITIONS AND DEMOLITION PLAN - 1
Size	ANSI D
Status Code	
Sheet No.	D-101
Sheet	20 of 195



1 DEMOLITION PLAN

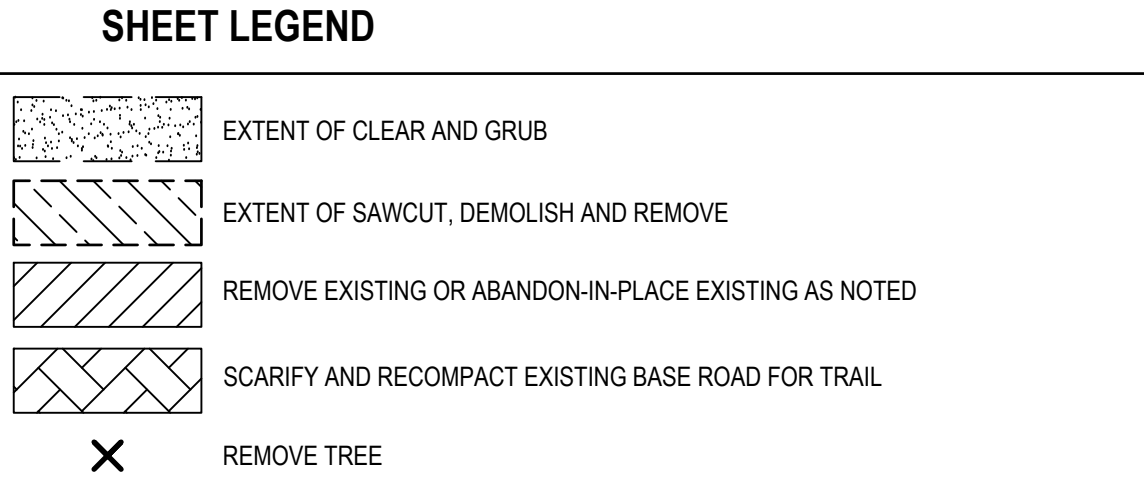


2 DEMOLITION PLAN

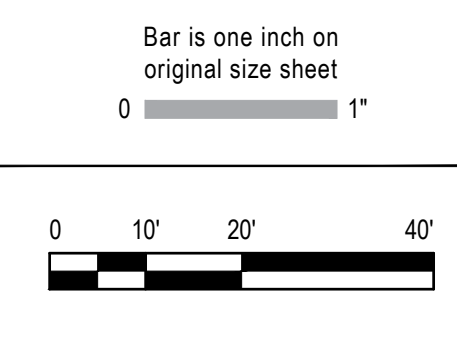


- SHEET GENERAL NOTES**
1. ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
 2. UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
 3. CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
 4. DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
 5. VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
 6. ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
 7. HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 8. CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

- SHEET KEYNOTES**
1. REMOVE EXISTING STRIPING, CROSS WALK, TURN ARROW, AND ROAD REFLECTOR.
 2. SAWCUT, REMOVE, AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, SIDEWALK, AND RAMP.
 3. SAWCUT, DEMOLISH, REMOVE, AND DISPOSE OF PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
 4. CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
 5. EXISTING TO REMAIN, PROTECT-IN-PLACE.
 6. RELOCATE EXISTING SIGN. SEE SIGNAGE AND STRIPING PLAN.
 7. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGN, POST, AND FOUNDATION.
 8. REMOVE AND DISPOSE OF EXISTING WIRE FENCE, POSTS, CONCRETE FOOTINGS, AND GATES.
 9. REMOVE AND DISPOSE OF EXISTING CONCRETE.
 10. PROTECT IN PLACE EXISTING ORNAMENTAL TREE. IF TREE OR ROOTS ARE DAMAGED OR SEVERELY IMPACTED DURING CONSTRUCTION REPLACE IN KIND. CONSULT PROJECT LANDSCAPE ARCHITECT.
 11. FIRE HYDRANT TO BE REMOVED BY OTHERS (CAL-AM).
 12. REMOVE SIDEWALK UNDERDRAIN AND PRESERVE AREA DRAIN LINE. CONNECT TO NEW INLET PER UTILITY PLANS.



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
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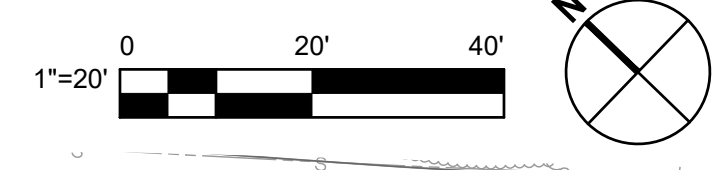
Title	EXISTING CONDITIONS AND DEMOLITION PLAN - 2
Size	ANSI D
Status Code	
Sheet No.	D-102
Sheet	21 of 195

MATCHLINE - SEE SHEET D-102

WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006

MATCHLINE - SEE VIEW BELOW

1 DEMOLITION PLAN

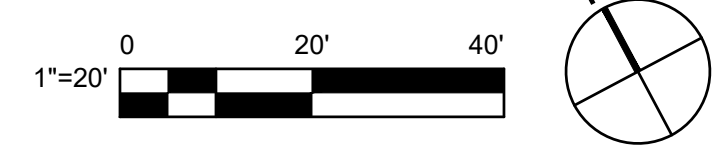


MATCHLINE - SEE VIEW ABOVE

WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006

MATCHLINE - SEE SHEET D-104

2 DEMOLITION PLAN



INDEX OF TREES FOR REMOVAL		
TREE No.	DESCRIPTION	TRUNK Dia AT BREAST HEIGHT (in) (N)
7	-	5

SHEET GENERAL NOTES

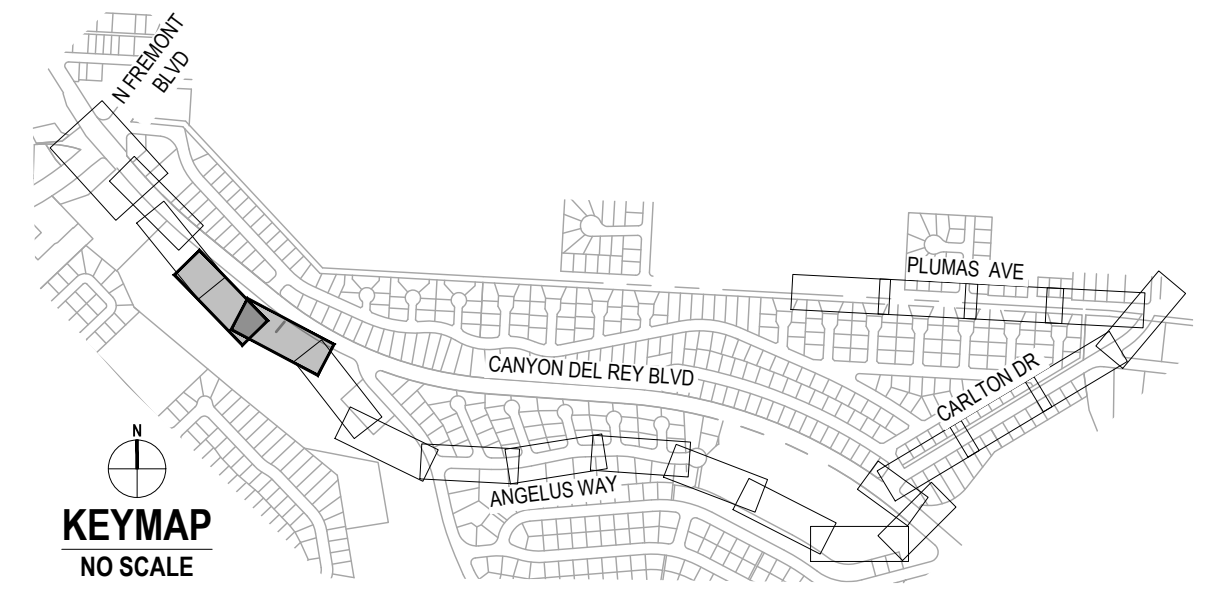
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
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- ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
- HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
- CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

SHEET KEYNOTES

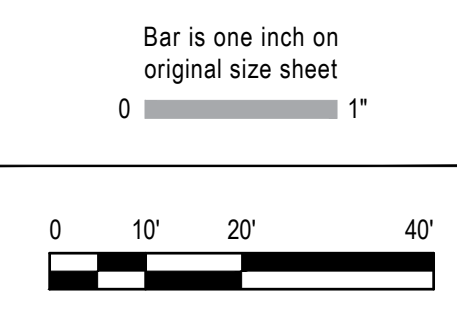
- FOLLOW NEW TRAIL ALIGNMENT FOR CLEAR AND GRUB OF EXISTING VEGETATION.
- EXISTING FENCE TO REMAIN, PROTECT-IN-PLACE.
- SAWCUT, DEMOLISH, REMOVE, AND DISPOSE OF PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
- REMOVE AND DISPOSE OF EXISTING SIGN, POST, AND FOUNDATION.
- REMOVE AND DISPOSE OF EXISTING WIRE FENCE, POSTS, CONCRETE FOOTINGS, AND GATES.
- REMOVE PORTION OF PIPE, REFER TO DRAINAGE PLANS FOR REPLACEMENT.

SHEET LEGEND

- EXTENT OF CLEAR AND GRUB
- EXTENT OF SAWCUT, DEMOLISH AND REMOVE
- REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
- SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
- REMOVE TREE



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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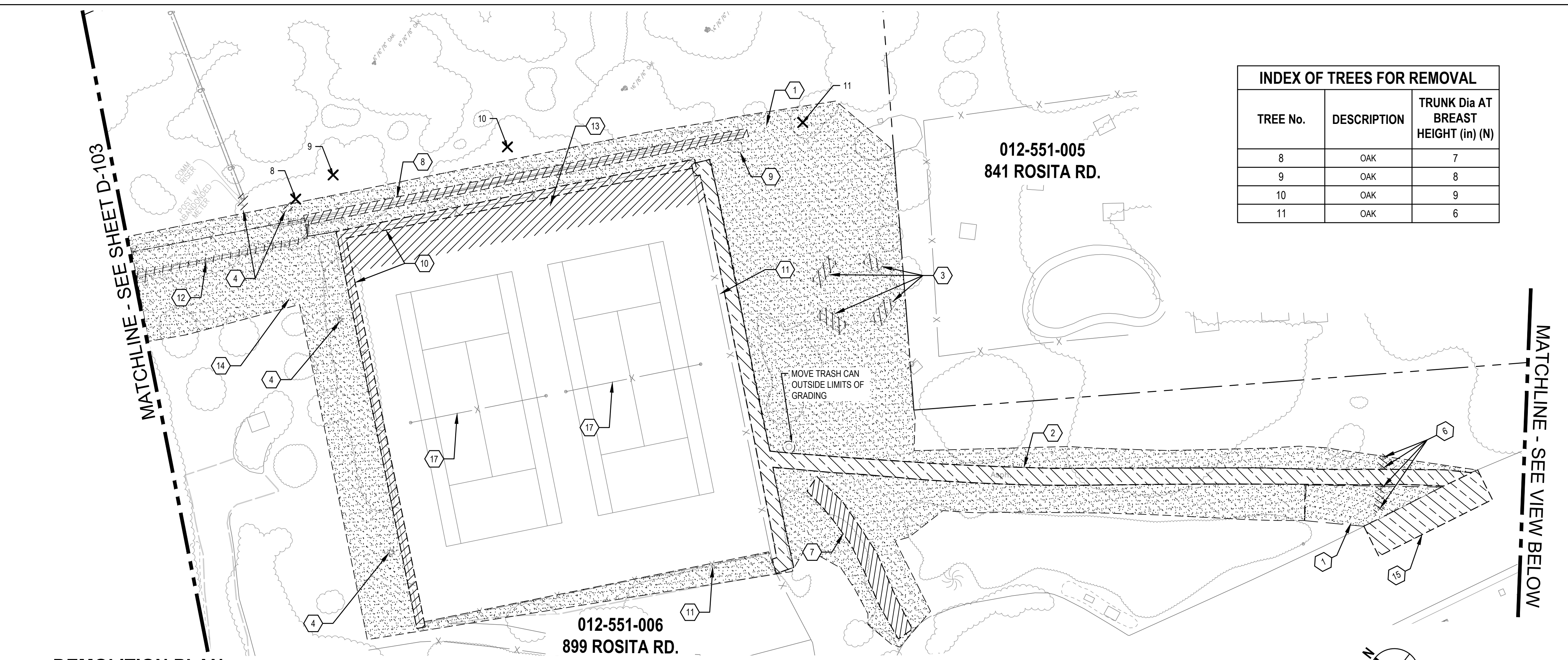
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **EXISTING CONDITIONS AND DEMOLITION PLAN - 3**

Size: **ANSI D**

Status Code

Sheet No. **D-103** of 195



1 DEMOLITION PLAN

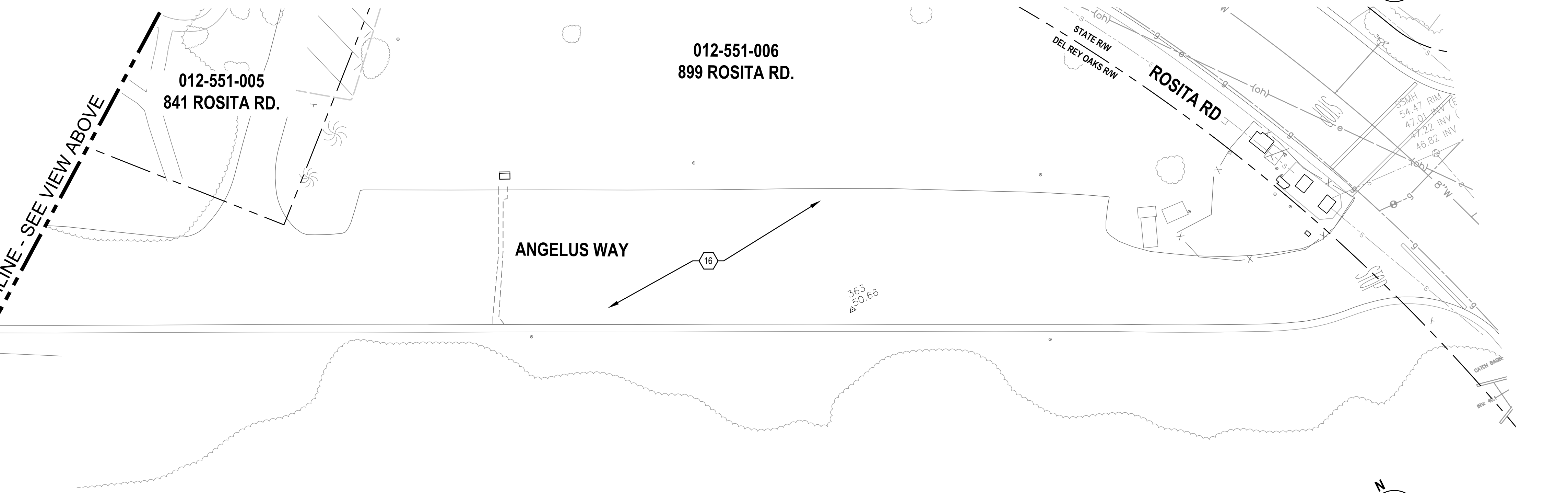
INDEX OF TREES FOR REMOVAL		
TREE No.	DESCRIPTION	TRUNK Dia AT BREAST HEIGHT (in) (N)
8	OAK	7
9	OAK	8
10	OAK	9
11	OAK	6

- SHEET GENERAL NOTES**
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
 - UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
 - CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
 - DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
 - VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
 - ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
 - HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 - CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

- SHEET KEYNOTES**
- FOLLOW NEW TRAIL ALIGNMENT FOR CLEAR AND GRUB OF EXISTING VEGETATION.
 - DEMOLISH AND REMOVE EXISTING ASPHALT CONCRETE PATH AND SUBGRADE MATERIAL.
 - REMOVE AND SALVAGE EXISTING OUTDOOR PLANTERS. RETURN TO OWNER.
 - REMOVE AND DISPOSE OF EXISTING ABANDONED UTILITY POLE AND STRUCTURES.
 - EXISTING TO REMAIN, PROTECT-IN-PLACE.
 - REMOVE AND DISPOSE OF EXISTING POSTS AND FOUNDATIONS.
 - REMOVE AND SALVAGE EXISTING RAILROAD TIE STAIRS FOR RE-USE.
 - DEMOLISH AND DISPOSE OF EXISTING RETAINING WALL.
 - REMOVE AND DISPOSE OF EXISTING TREE STUMP.
 - REMOVE AND DISPOSE OF EXISTING FENCE.
 - EXISTING FENCE TO REMAIN, PROTECT-IN-PLACE.
 - REMOVE AND DISPOSE OF EXISTING WALL.
 - REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE.
 - SALVAGE ANY LANDSCAPE MATERIALS IN THIS AREA AND RETURN TO OWNER.
 - SAWCUT, DEMOLISH, REMOVE, AND DISPOSE OF PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
 - NO WORK IN THIS AREA.
 - REMOVE AND SALVAGE EXISTING TENNIS COURT NETS FOR RE-USE.

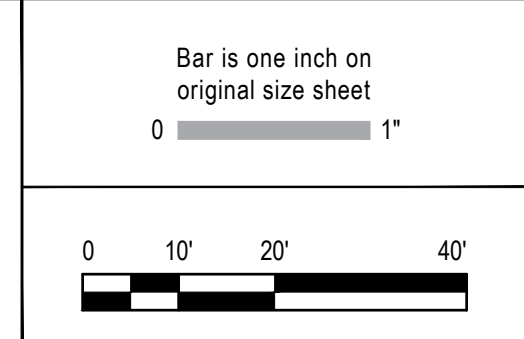
SHEET LEGEND

	EXTENT OF CLEAR AND GRUB
	EXTENT OF SAWCUT, DEMOLISH AND REMOVE
	REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
	SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
	REMOVE TREE



2 DEMOLITION PLAN

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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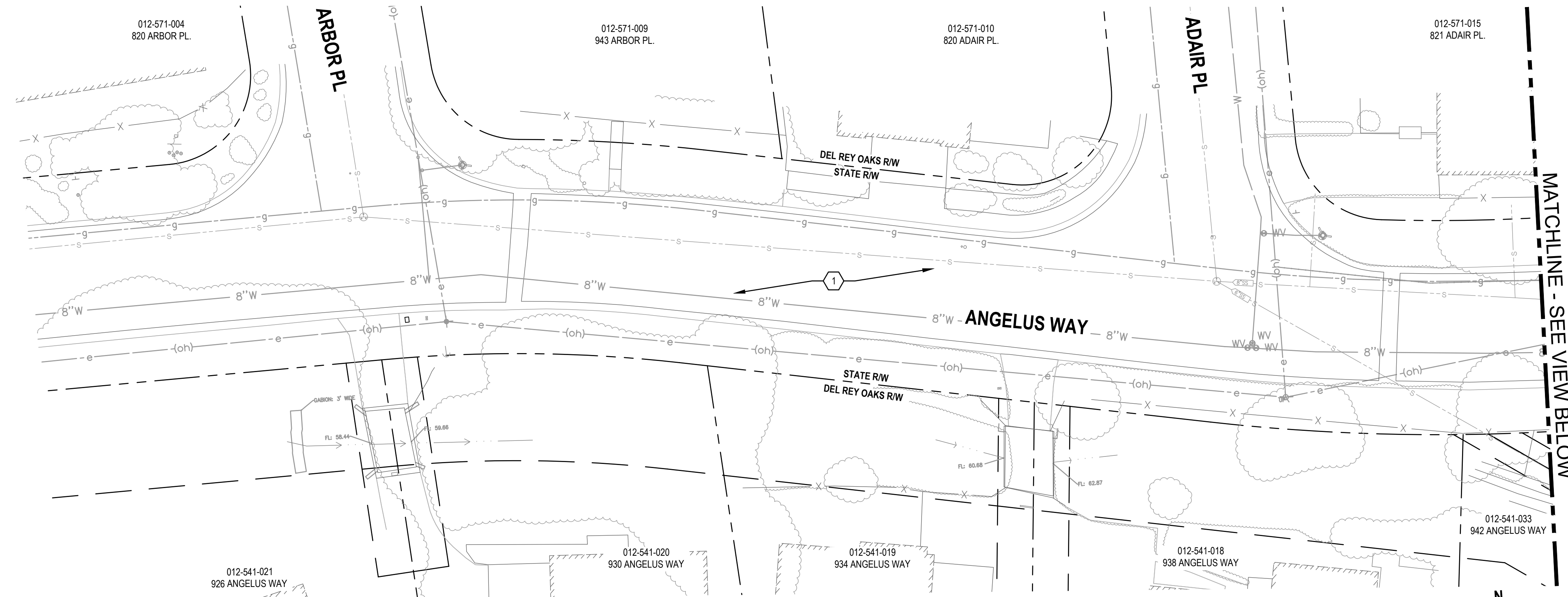
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **EXISTING CONDITIONS AND DEMOLITION PLAN - 4**

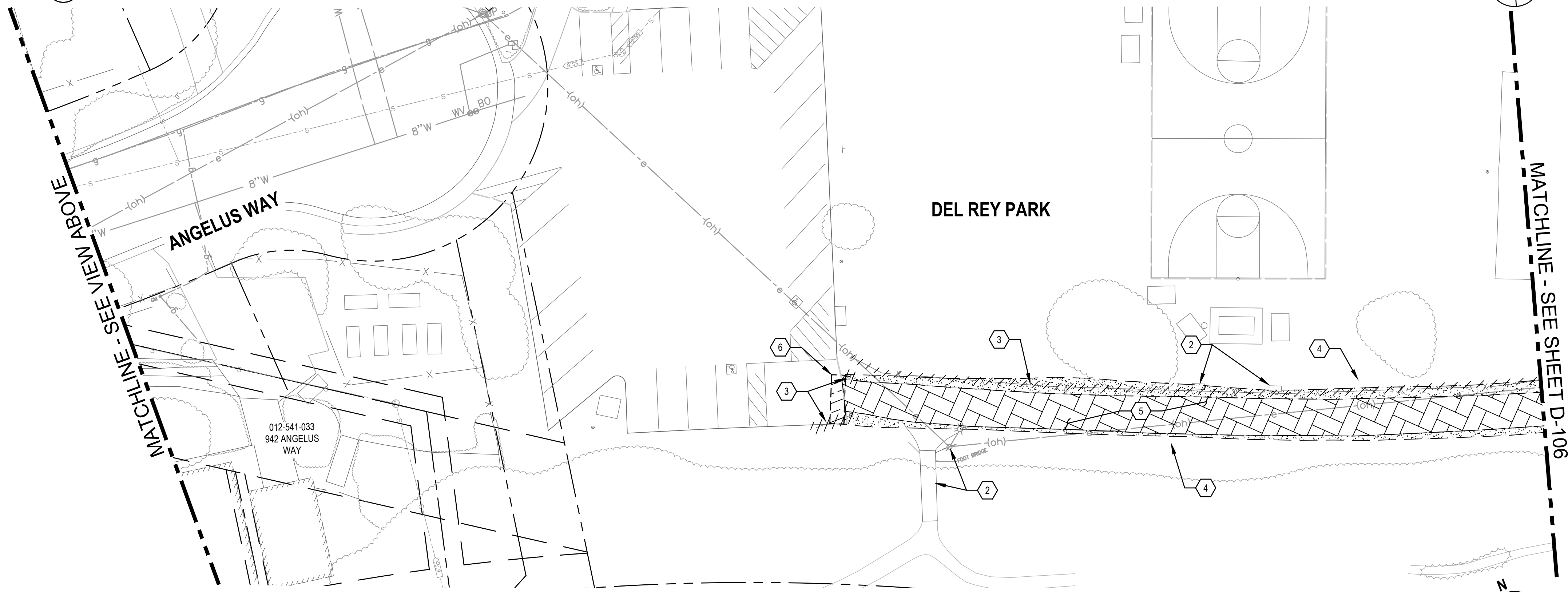
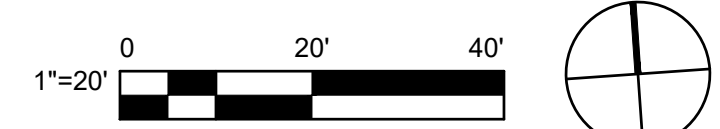
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Status Code

Sheet No. **D-104** of 195



1 DEMOLITION PLAN



2 DEMOLITION PLAN

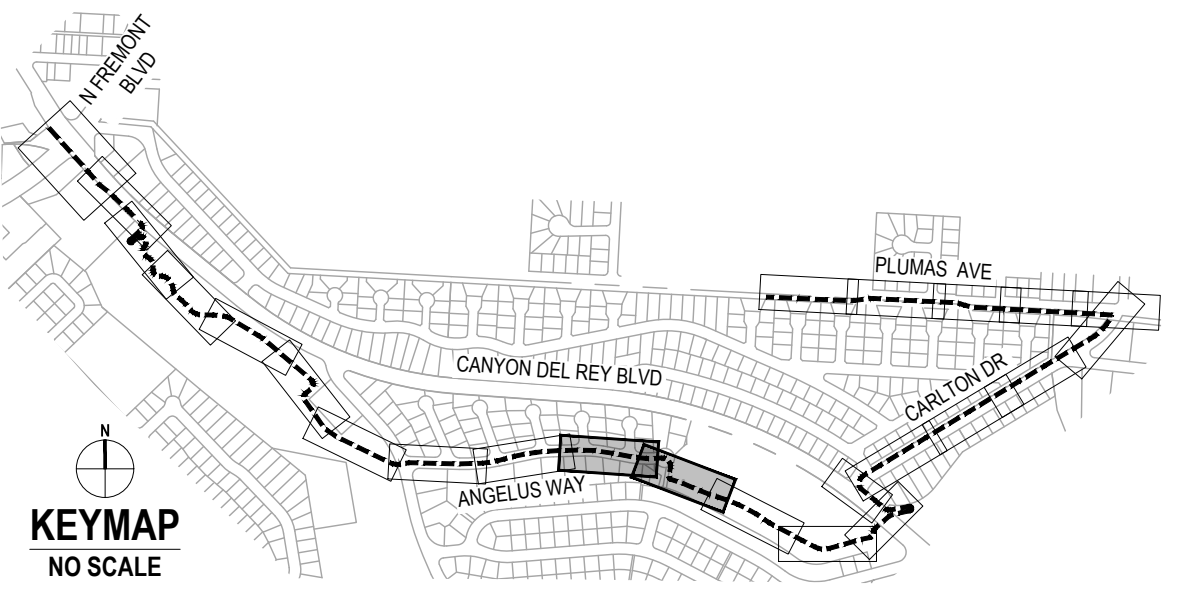


- ### SHEET GENERAL NOTES
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
 - UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
 - CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
 - DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
 - VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
 - ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
 - HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 - CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

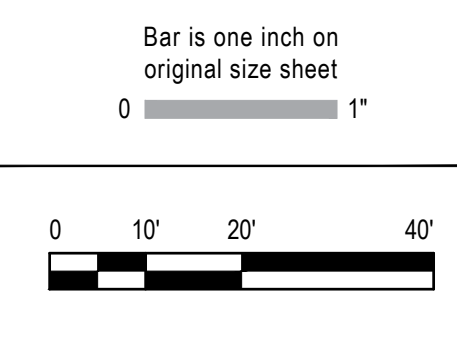
- ### SHEET KEYNOTES
- NO WORK IN THIS AREA.
 - EXISTING TO REMAIN, PROTECT-IN-PLACE.
 - REMOVE AND DISPOSE OF EXISTING FENCE, POSTS, FOUNDATIONS, AND GATE.
 - FOLLOW NEW TRAIL ALIGNMENT FOR CLEAR AND GRUB OF EXISTING VEGETATION.
 - EXISTING GRAVEL ROAD TO BE SCARIFIED AND RECOMPACT TO SUBGRADE ELEVATION TO RECEIVE NEW AC SURFACE.
 - SAWCUT, DEMOLISH, AND REMOVE PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.

SHEET LEGEND

	EXTENT OF CLEAR AND GRUB
	EXTENT OF SAWCUT, DEMOLISH AND REMOVE
	REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
	2" GRIND AND PREPARE FOR OVERLAY
	SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
	REMOVE TREE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



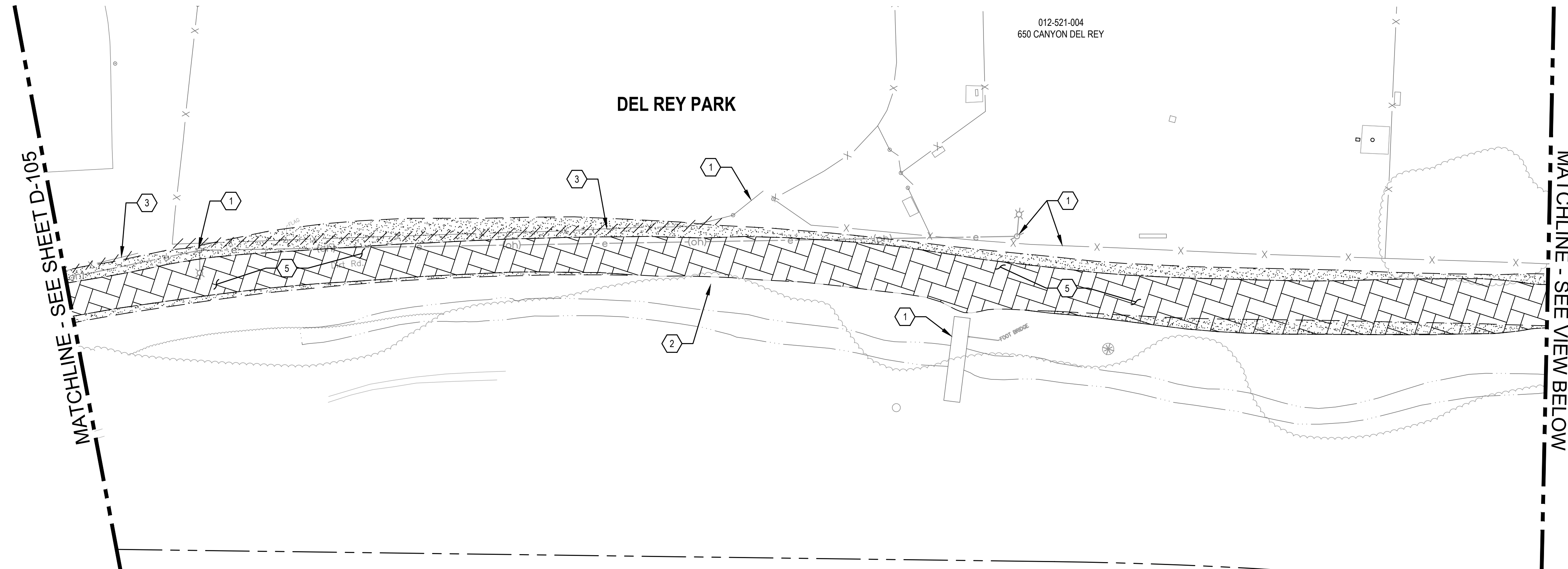
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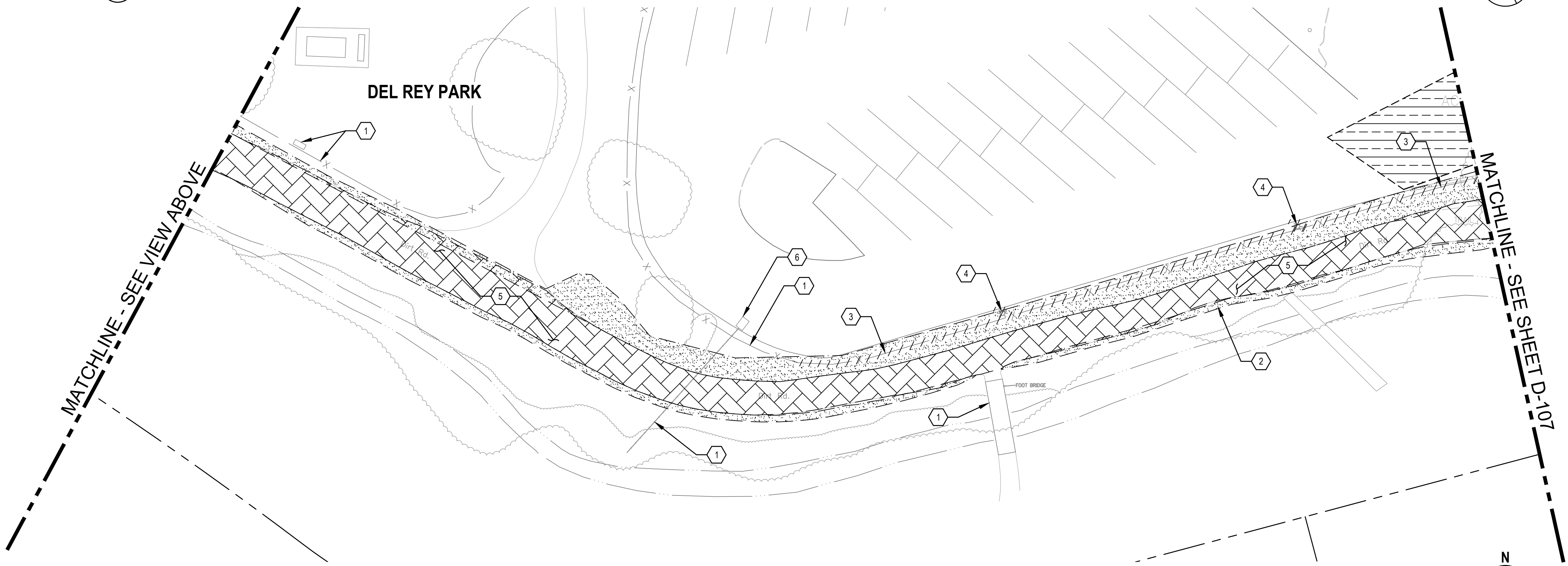


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	EXISTING CONDITIONS AND DEMOLITION PLAN - 5
Size	ANSI D
Status Code	
Sheet No.	D-105
Sheet	24 of 195



1 DEMOLITION PLAN



2 DEMOLITION PLAN

SHEET GENERAL NOTES

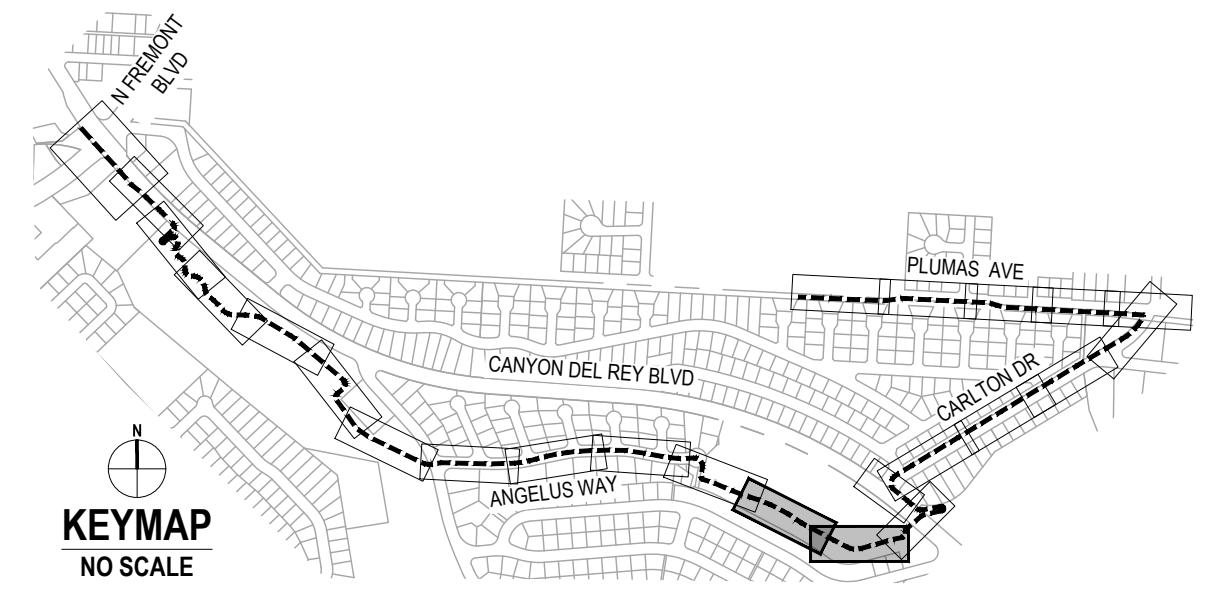
1. ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
2. UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
3. CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
4. DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
5. VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
6. ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
7. HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
8. CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

SHEET KEYNOTES

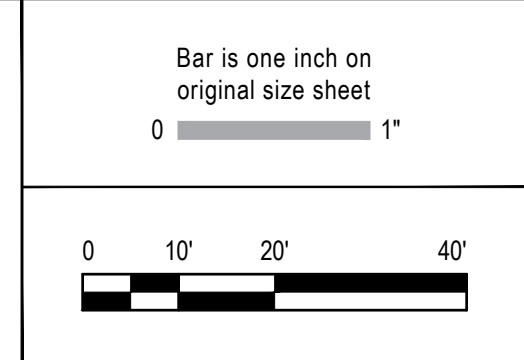
1. EXISTING TO REMAIN, PROTECT-IN-PLACE.
2. FOLLOW NEW TRAIL ALIGNMENT FOR CLEAR AND GRUB OF EXISTING VEGETATION.
3. REMOVE AND DISPOSE OF EXISTING FENCE FOUNDATIONS. REMOVE AND SALVAGE TO CITY OF DEL REY OAKS EXISTING FENCE, POSTS, AND GATE.
4. REMOVE EXISTING LIGHT. DISPOSE OF EXISTING FOUNDATION. PROTECT IN-PLACE CONDUIT AND CIRCUIT. SALVAGE EXISTING POLE AND LUMINARIE FOR RE-USE PER ELECTRICAL PLANS.
5. EXISTING GRAVEL ROAD TO BE SCARIFIED AND RECOMPACT TO SUBGRADE ELEVATION TO RECEIVE NEW AC SURFACE
6. REMOVE EXISTING INLET AND PORTION OF OUTLET PIPE. REFER TO DRAINAGE PLANS FOR REPLACEMENT.

SHEET LEGEND

- EXTENT OF CLEAR AND GRUB
- EXTENT OF SAWCUT, DEMOLISH AND REMOVE
- REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
- 2" GRIND AND PREPARE FOR OVERLAY
- SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
- REMOVE TREE



No.	Issue	Author	Checked	Approved	Date
		EM	SG	L. VAN PARYS	
		CO	SG	K. VEDULA	



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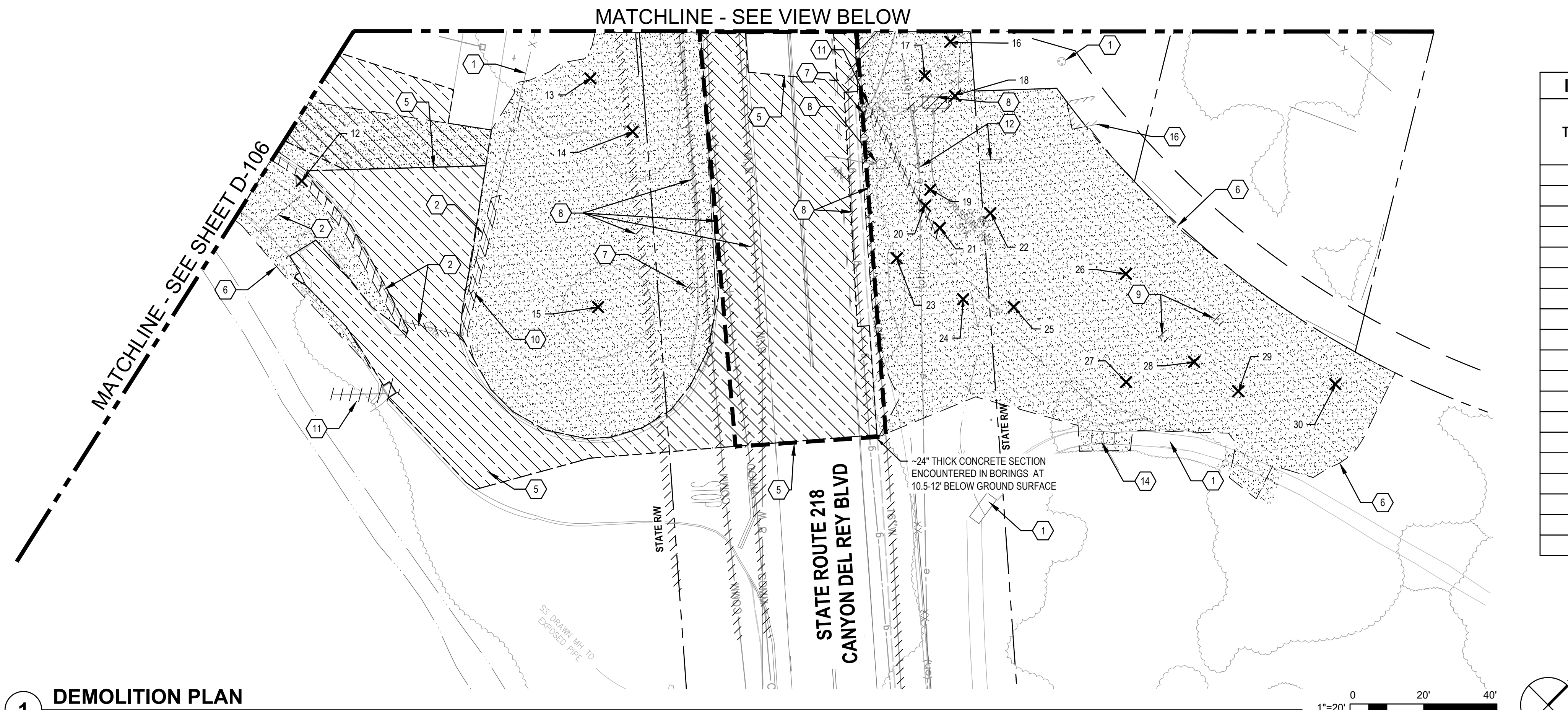
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title EXISTING CONDITIONS AND DEMOLITION PLAN - 6
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size
ANSI D

Status Code

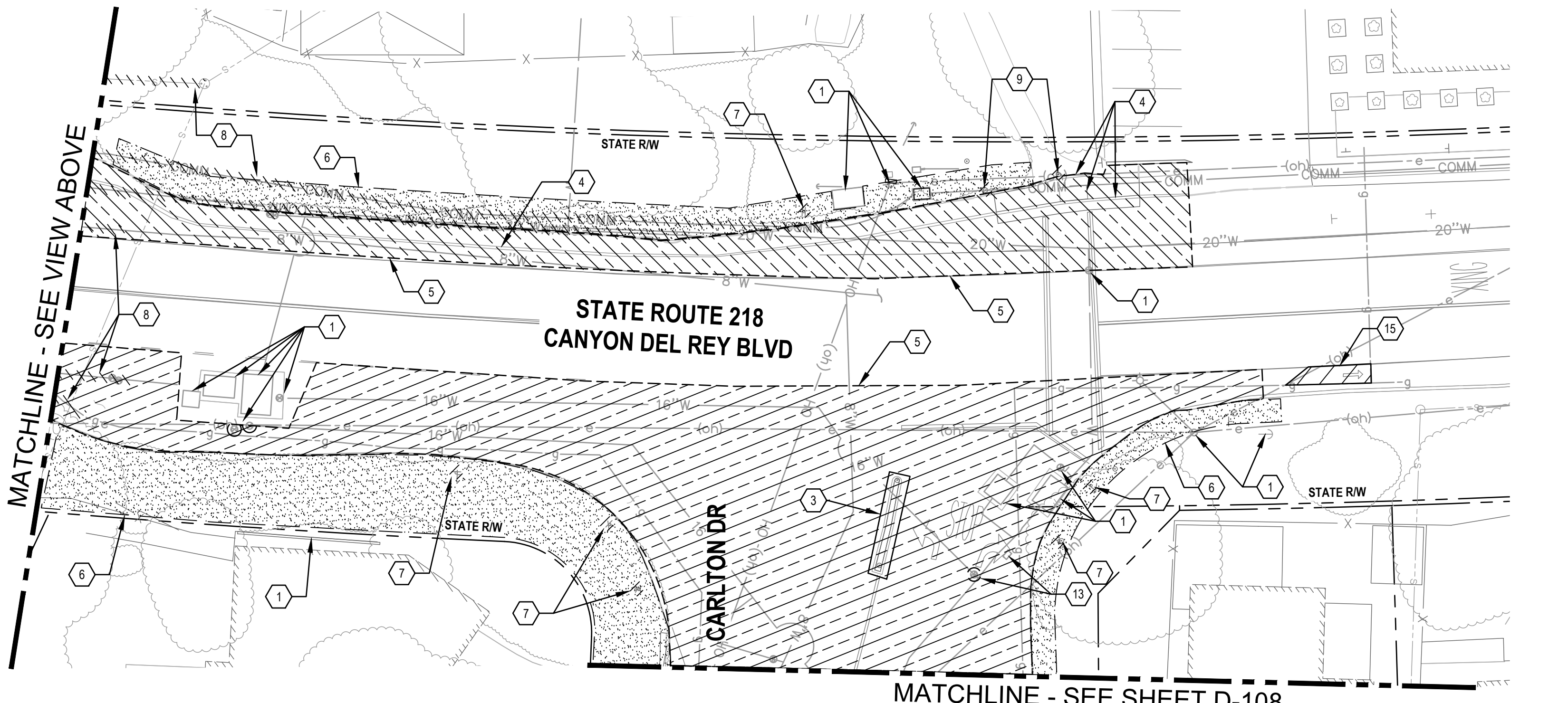
Sheet No.
D-106

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INDEX OF TREES FOR REMOVAL		
TREE No.	DESCRIPTION	TRUNK Dia AT BREAST HEIGHT (in) (N)
12	OAK	18
13	OAK	22
14	OAK	9
15	PINE	23
16	-	8
17	-	10
18	-	7
19	-	14
20	-	10
21	-	24
22	-	10
23	-	19
24	-	7
25	-	14
26	-	8
27	-	17
28	OAK	22
29	-	29
30	OAK	7

1 DEMOLITION PLAN

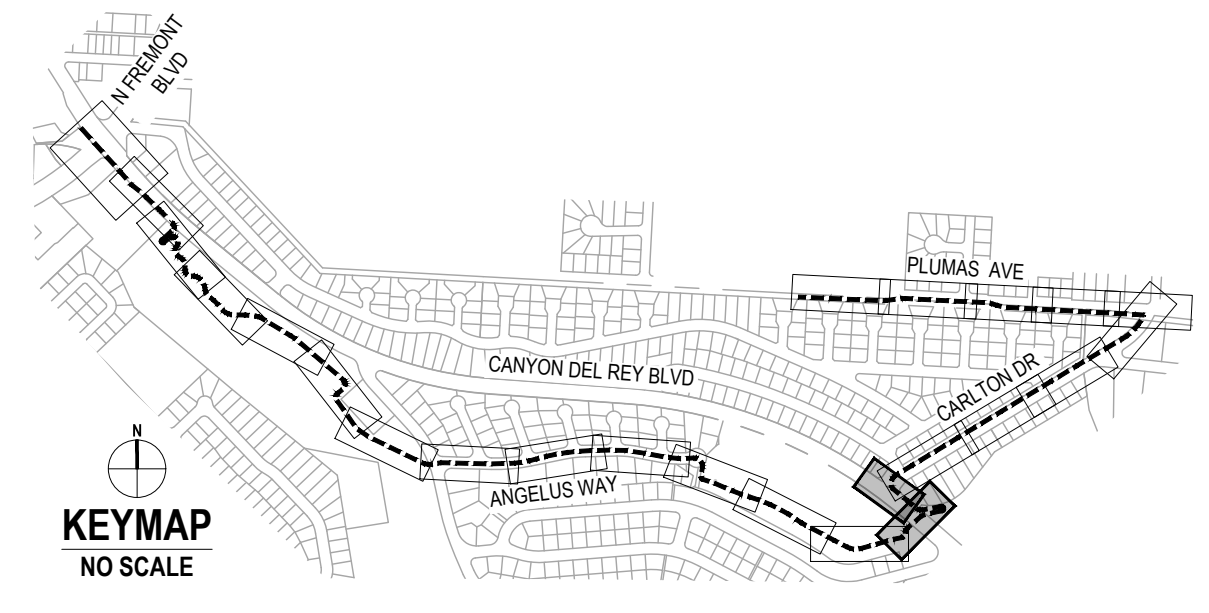


2 DEMOLITION PLAN

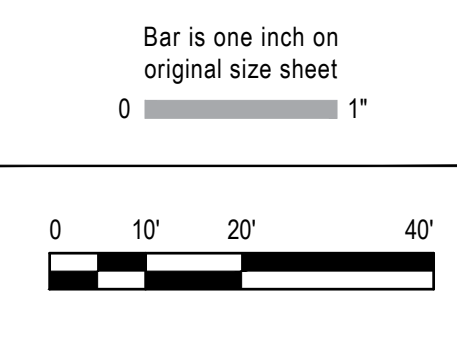
- SHEET GENERAL NOTES**
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
 - UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
 - CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
 - DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
 - VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
 - ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
 - HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 - CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.
- SHEET KEYNOTES**
- EXISTING TO REMAIN, PROTECT-IN-PLACE.
 - REMOVE AND DISPOSE OF EXISTING FENCE FOUNDATIONS. REMOVE AND SALVAGE TO CITY OF DEL REY OAKS EXISTING FENCE, POSTS, AND GATE.
 - SAWCUT, DEMOLISH, REMOVE, AND DISPOSE OF EXISTING CONCRETE MEDIAN.
 - SAWCUT, REMOVE, AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, SIDEWALK.
 - SAWCUT, DEMOLISH, AND REMOVE PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
 - CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
 - RELOCATE EXISTING SIGN, SEE SIGNAGE AND STRIPING PLAN.
 - RELOCATE EXISTING UTILITY, EQUIPMENT, AND STRUCTURES AS REQUIRED FOR NEW TRAIL. SEE UTILITY PLANS FOR LIMITS OF REMOVAL/ABANDONMENT.
 - REMOVE AND DISPOSE OF WOOD POST AND CONCRETE FOUNDATION.
 - DEMOLISH, REMOVE, AND DISPOSE OF EXISTING LIGHT POLE FOUNDATION. SALVAGE EXISTING POLE AND LUMINAIRE FOR RE-USE.
 - REMOVE AND DISPOSE OF EXISTING STORM DRAIN INLET AND OUTLET PIPE. REFER TO DRAINAGE PLANS FOR REPLACEMENT.
 - EXISTING OVERHEAD UTILITY POLE TO REMAIN, PROTECT-IN-PLACE. RELOCATION OF EXISTING DOWNGUY AND ANCHOR BY OTHERS (PGE).
 - ADJUST EXISTING UTILITY BOX LIDS, FRAMES, AND COVERS TO NEW FINISH GRADE.
 - REMOVE EXISTING WOOD FOOTBRIDGE AND FOUNDATION.
 - REMOVE EXISTING PAVEMENT MARKING.
 - RELOCATE EXISTING SHED PER COORDINATION WITH OWNER.

SHEET LEGEND

	EXTENT OF CLEAR AND GRUB
	EXTENT OF SAWCUT, DEMOLISH AND REMOVE
	REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
	2" GRIND AND PREPARE FOR OVERLAY
	SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
	REMOVE TREE

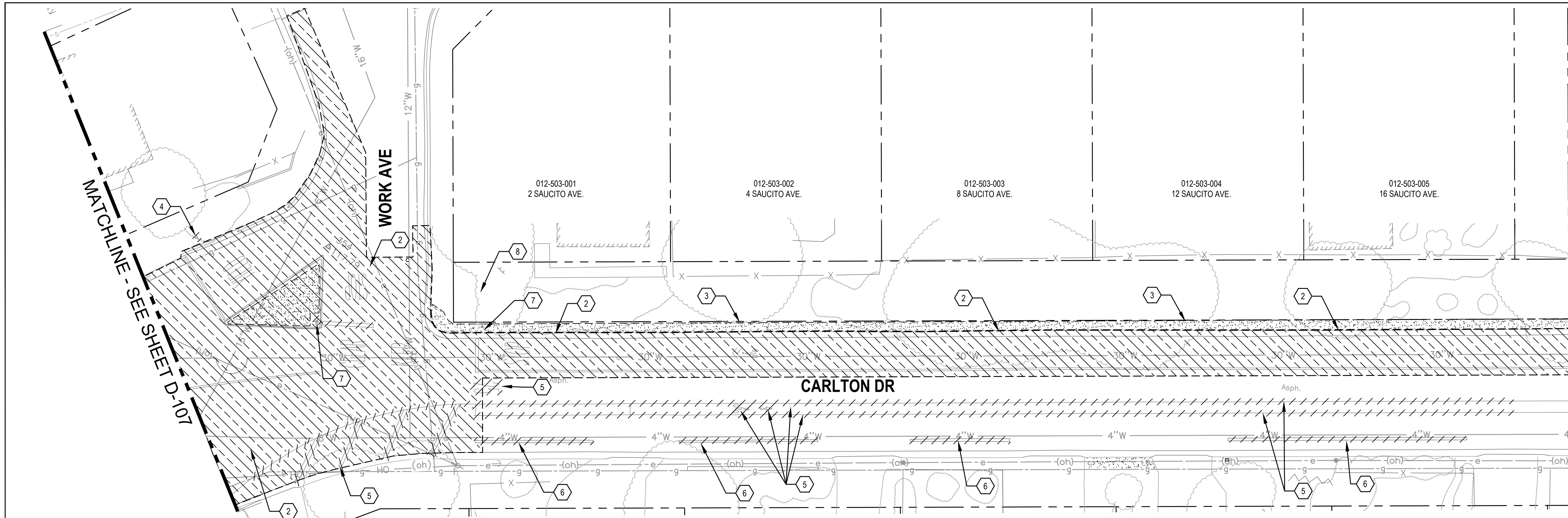


No.	Issue	Author	Checked	Approved	Date
1	Author	EM	Drafting Check	SG	Project Manager
2	Designer	CO	Design Check	SG	Project Director

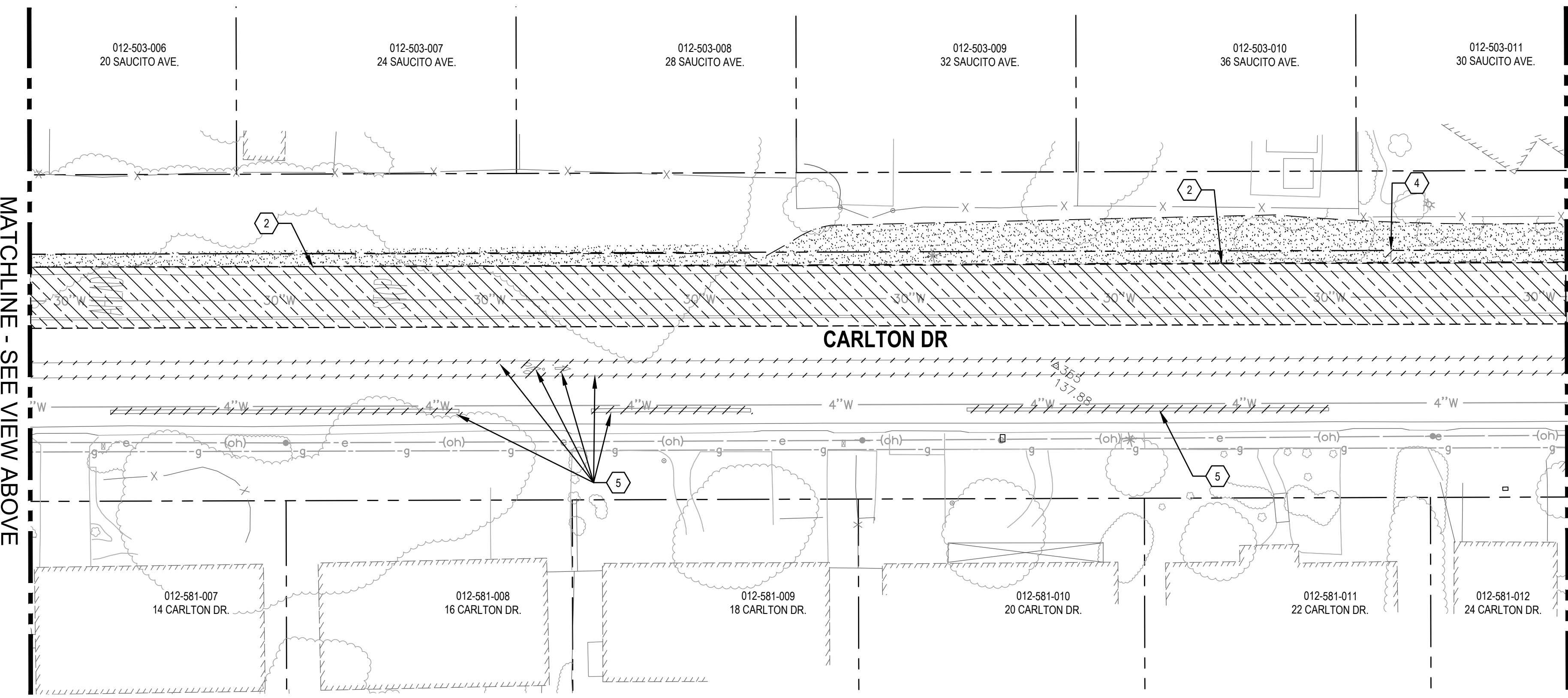
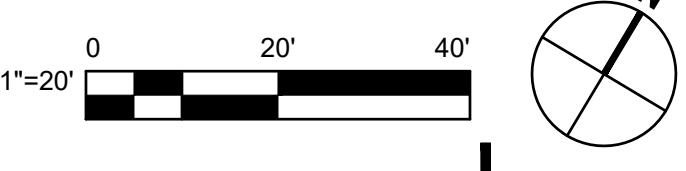


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

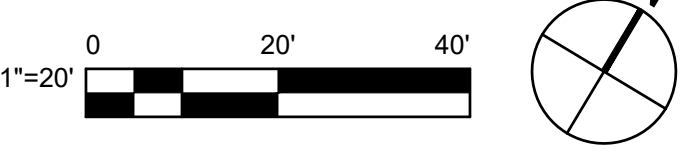
Title	EXISTING CONDITIONS AND DEMOLITION PLAN - 7
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Sheet	26 of 195



1 DEMOLITION PLAN



2 DEMOLITION PLAN



- ### SHEET GENERAL NOTES
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
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 - HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 - CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

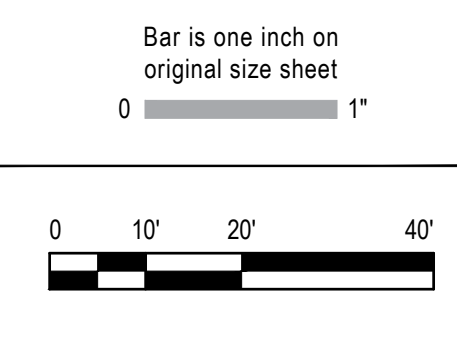
- ### SHEET KEYNOTES
- EXISTING TO REMAIN, PROTECT-IN-PLACE.
 - SAWCUT, DEMOLISH, AND REMOVE AND DISPOSE OF PORTIONS OF EXISTING ASPHALT CONCRETE AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
 - CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
 - REMOVE AND DISPOSE OF EXISTING SIGN AND FOUNDATION.
 - REMOVE EXISTING TRAFFIC STRIPING.
 - REMOVE AND DISPOSE OF EXISTING HMA CURB.
 - RELOCATE EXISTING SIGN, SEE SIGNAGE AND STRIPING PLAN.
 - SEE EROSION CONTROL PLANS FOR ESA FENCING AROUND EXISTING OAK TREE. USE CAUTION WHEN EXCAVATING AROUND TREE. CONTRACTOR TO HAVE ARBORIST ONSITE WHEN WORKING AROUND TREES.

SHEET LEGEND

	EXTENT OF CLEAR AND GRUB
	EXTENT OF SAWCUT, DEMOLISH AND REMOVE
	REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
	2" GRIND AND PREPARE FOR OVERLAY
	SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
	REMOVE TREE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	EXISTING CONDITIONS AND DEMOLITION PLAN - 8
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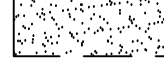
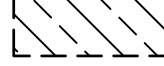
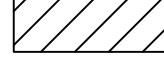
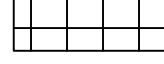


SHEET GENERAL NOTES

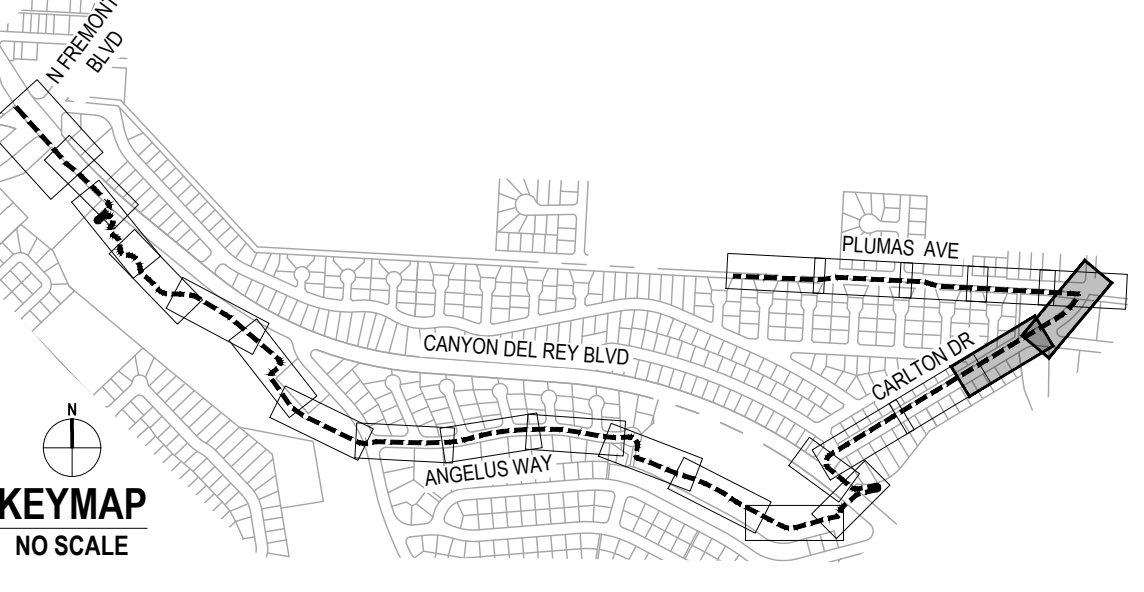
1. ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
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6. ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
7. HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
8. CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

SHEET KEYNOTES

1. EXISTING TO REMAIN, PROTECT-IN-PLACE.
2. SAWCUT, DEMOLISH, AND REMOVE AND DISPOSE OF EXISTING CONCRETE GUTTER, ASPHALT CONCRETE, AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
3. CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
4. REMOVE AND DISPOSE OF EXISTING SIGN AND FOUNDATION.
5. REMOVE EXISTING TRAFFIC STRIPING AND REFLECTORS.
6. SALVAGE AND RELOCATE EXISTING LANDSCAPE BACKFLOW, METER, AND BOXES, PER PLAN.
7. SALVAGE AND RELOCATE EXISTING MAILBOX, PER PLAN.
8. SALVAGE AND RELOCATE DEL REY OAKS CITY LIMIT SIGN, PER PLAN.
9. RELOCATE EXISTING SIGN. SEE SIGNAGE AND STRIPING PLAN.
10. REMOVE AND DISPOSE OF EXISTING CATCH BASIN.
11. REMOVE PORTION OF EXISTING STORM DRAIN PIPE, SEE DRAINAGE PLANS FOR REPLACEMENT.

SHEET LEGEND

-  EXTENT OF CLEAR AND GRUB
-  EXTENT OF SAWCUT, DEMOLISH AND REMOVE
-  REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
-  2" GRIND AND PREPARE FOR OVERLAY
-  SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
-  REMOVE TREE



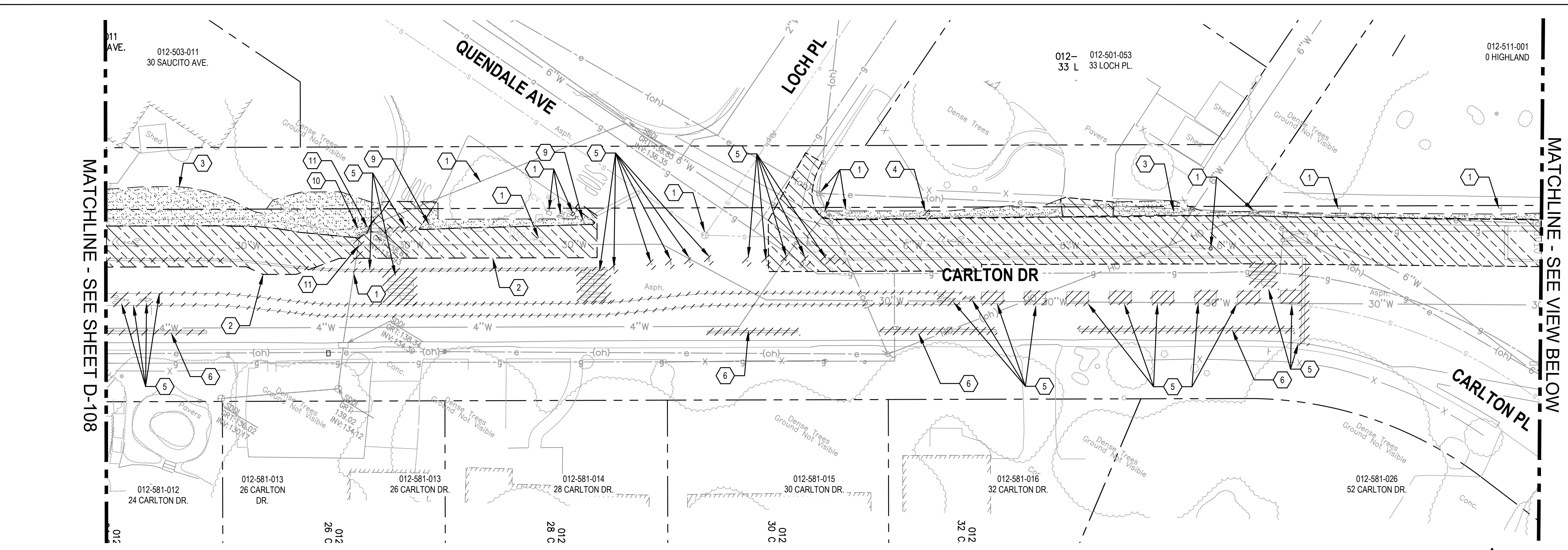
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

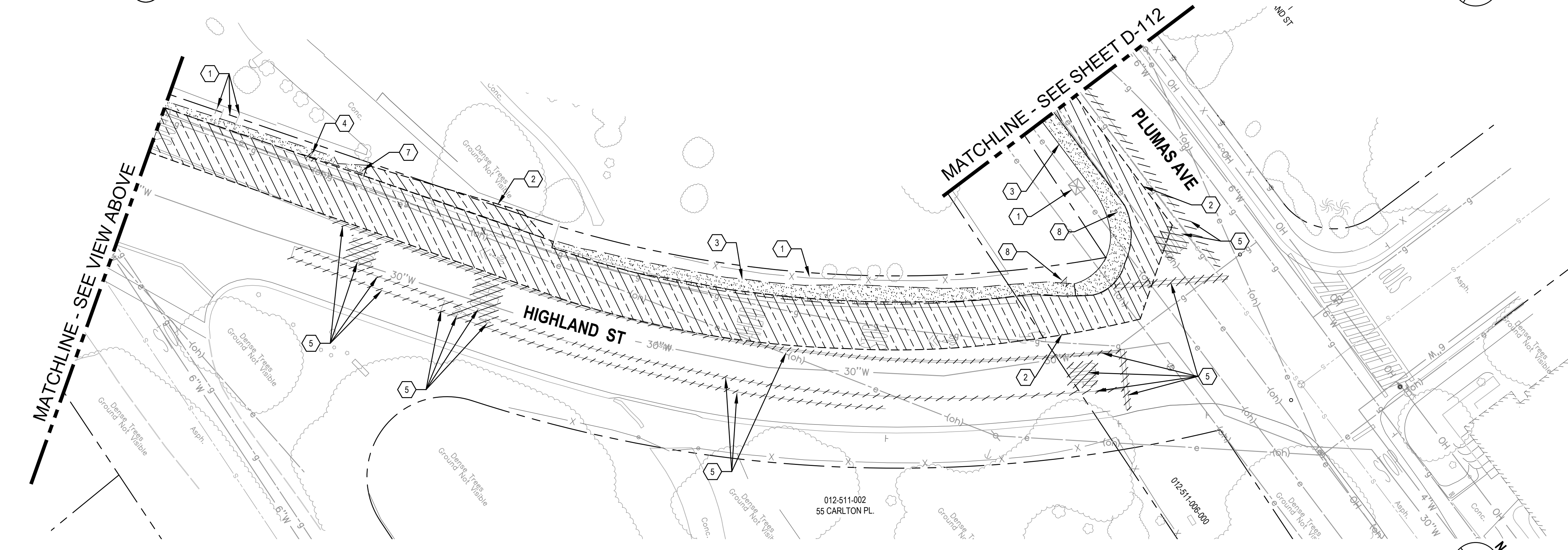
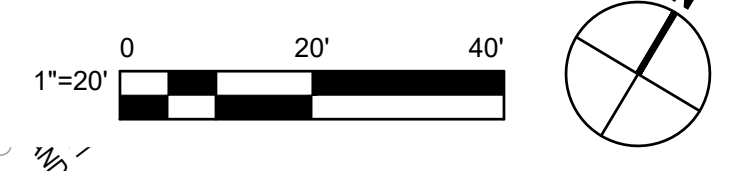
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EXISTING CONDITIONS AND DEMOLITION PLAN - 9

Project No. 11220281 **Date** December 1, 2023 **Scale** AS SHOWN

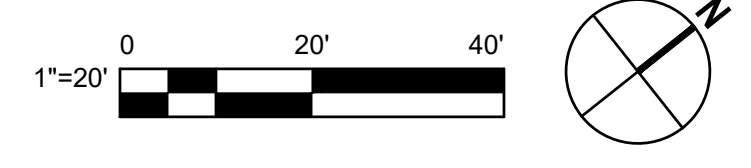
Sheet No. D-109 **Sheet** 28 of 195



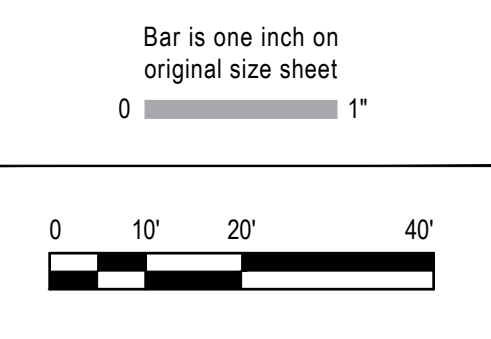
1 DEMOLITION PLAN



2 DEMOLITION PLAN



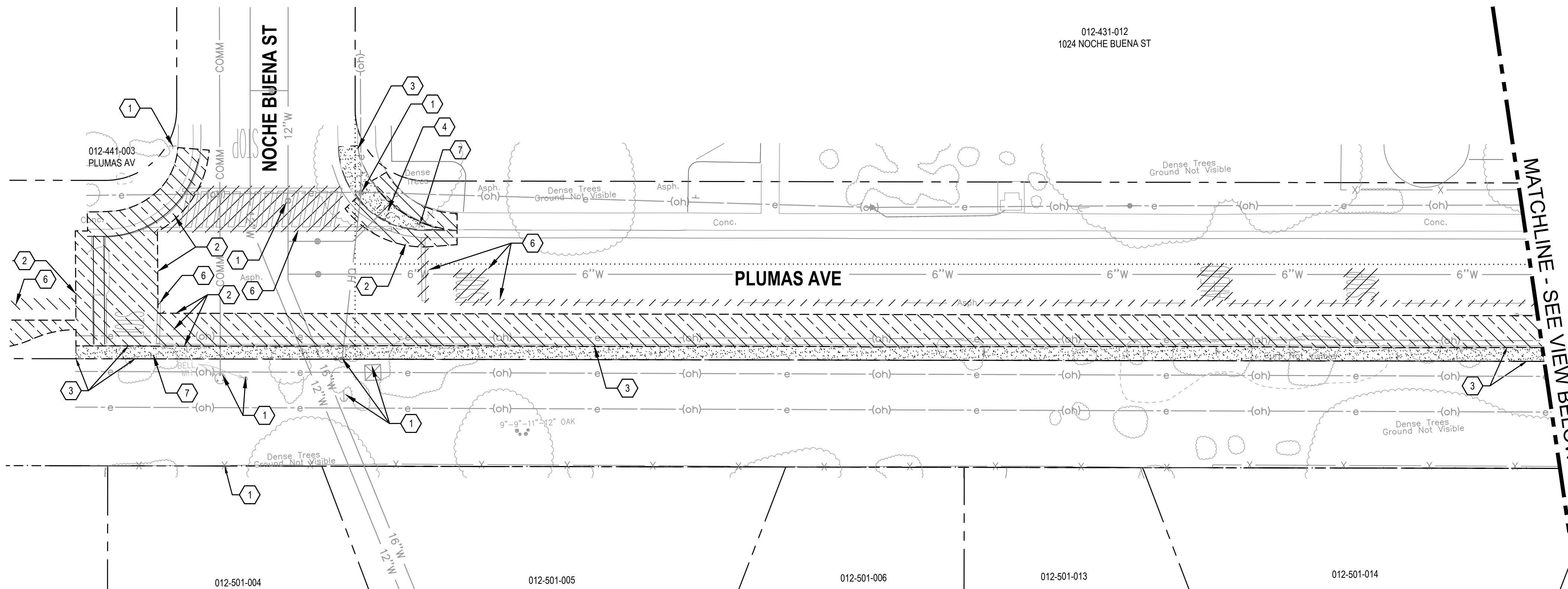
No.	Issue	Author	Checked	Approved	Date
1	EM	EM	SG	L. VAN PARYS	
2	CO	CO	SG	K. VEDULA	



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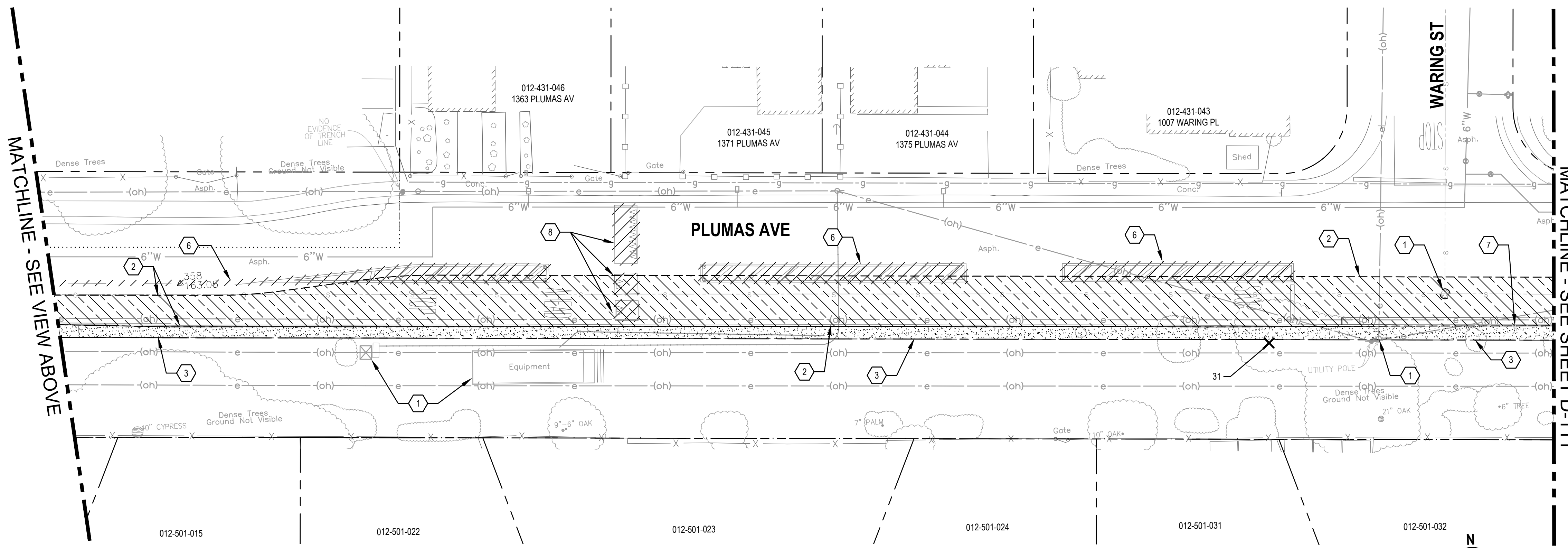
1 DEMOLITION PLAN

- ### SHEET GENERAL NOTES
- ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
 - UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
 - CONTRACTOR SHALL TO CLEARLY IDENTIFY THE WETLANDS AND BUFFER PRIOR TO START OF CONSTRUCTION.
 - DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
 - VEHICLE, BICYCLE, AND PEDESTRIAN ACCESS TO EXISTING BUSINESSES AND RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETOUR AND TRAFFIC CONTROL PLANS AND RECEIVE APPROVAL FROM THE PROJECT ENGINEER.
 - ADJUST ALL EXISTING LIDS, FRAMES, AND COVERS WITHIN PROJECT AREA TO NEW FINISH GRADE.
 - HYDRANT DEMOLITION OR RELOCATION SHALL INCLUDE REMOVAL OF HYDRANT LATERAL, HYDRANT BURY, AND THRUST BLOCK.
 - CONTRACTOR SHALL REPAIR OR REPLACE ALL UTILITIES, SITE FURNISHINGS AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.
- ### SHEET KEYNOTES
- EXISTING TO REMAIN, PROTECT-IN-PLACE.
 - SAWCUT, DEMOLISH, AND REMOVE AND DISPOSE OF EXISTING CONCRETE GUTTER, ASPHALT CONCRETE, AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW IMPROVEMENTS.
 - CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
 - REMOVE AND SALVAGE AND RELOCATE EXISTING FIRE HYDRANT.
 - SAWCUT, DEMOLISH, AND REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE, AND AGGREGATE BASE TO THE EXTENT SHOWN FOR NEW FIRE HYDRANT SERVICE LATERAL.
 - REMOVE EXISTING TRAFFIC STRIPING AND REFLECTORS.
 - RELOCATED EXISTING SIGN. SEE SIGNAGE AND STRIPING PLAN.
 - REMOVE AND SALVAGE EXISTING SPEED BUMPS.

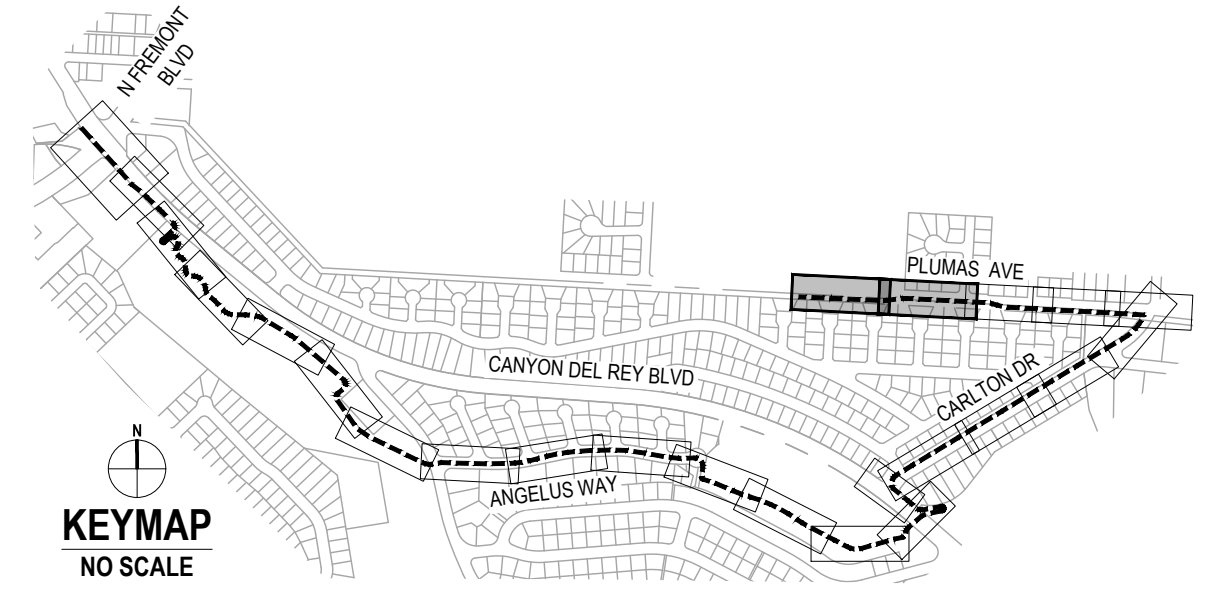
INDEX OF TREES FOR REMOVAL		
TREE No.	DESCRIPTION	TRUNK Dia AT BREAST HEIGHT (in) (N)
31	OAK	21

SHEET LEGEND

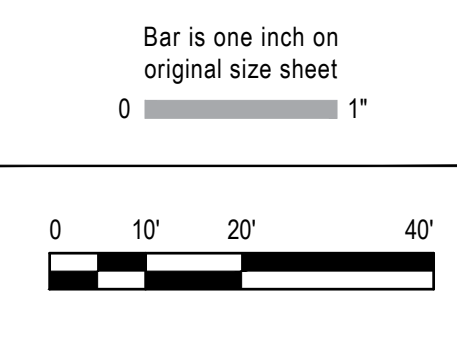
	EXTENT OF CLEAR AND GRUB
	EXTENT OF SAWCUT, DEMOLISH AND REMOVE
	REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
	2" GRIND AND PREPARE FOR OVERLAY
	SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
	REMOVE TREE



2 DEMOLITION PLAN



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



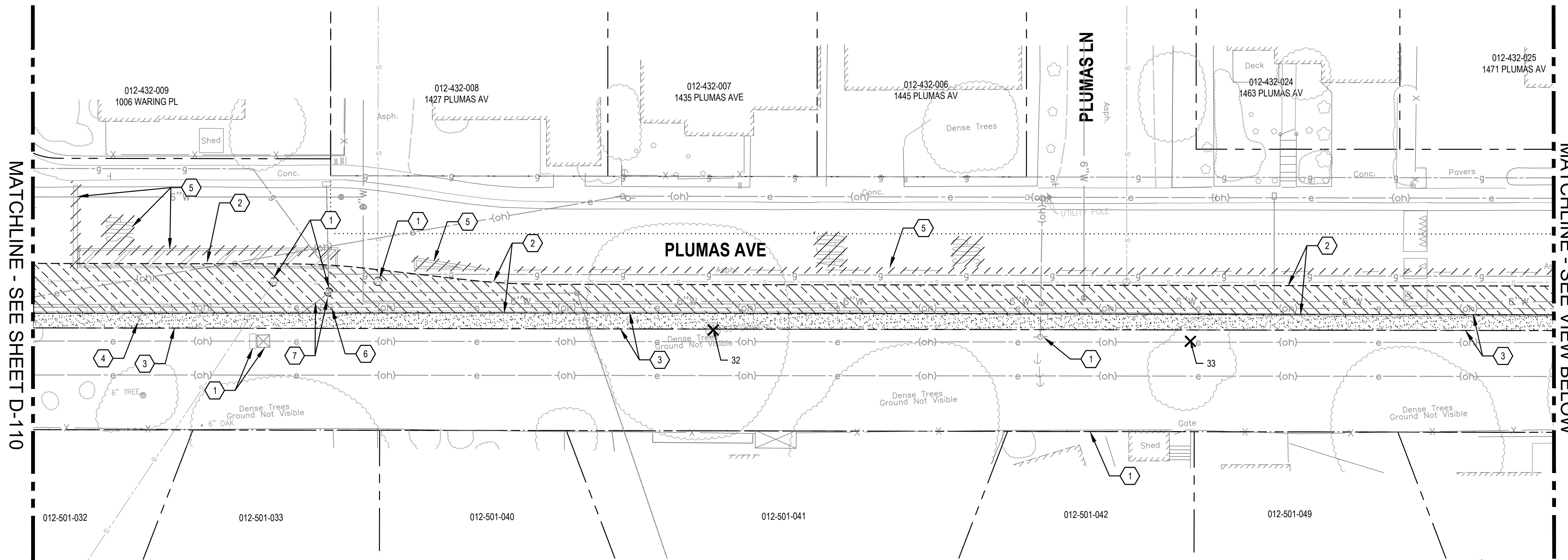
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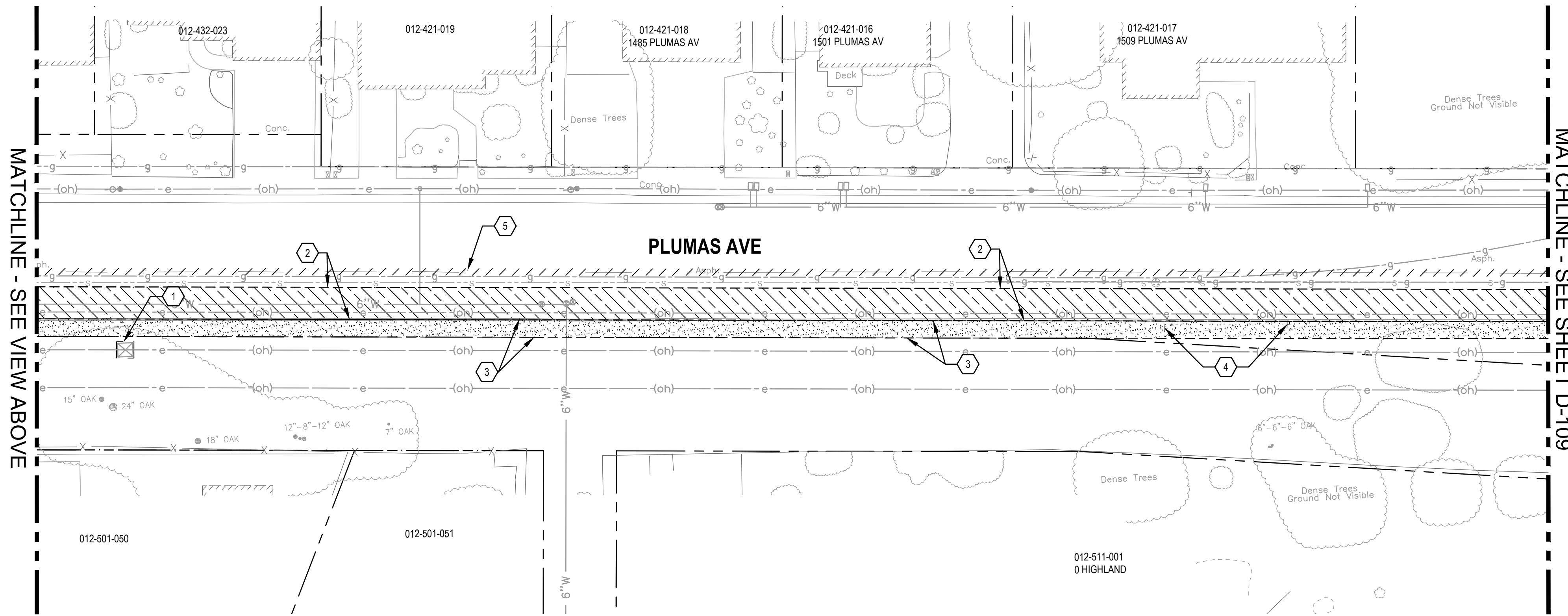


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	EXISTING CONDITIONS AND DEMOLITION PLAN - 10
Size	ANSI D
Status Code	
Sheet No.	D-110
Sheet	29 of 195



1 DEMOLITION PLAN



2 DEMOLITION PLAN

SHEET GENERAL NOTES

1. ALL DEPRESSIONS, HOLES, AND EXCAVATIONS CAUSED BY DEMOLITION WORK SHALL BE BACKFILLED AND COMPACTED TO THE LEVEL OF ADJACENT EXISTING GRADE USING MATERIAL SIMILAR TO THE ADJACENT EXISTING MATERIAL.
2. UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO TRANSFORMERS, VAULTS, BOXES, RISERS, HYDRANTS, AND VALVES) SHALL BE PROTECTED TO REMAIN IN PLACE.
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4. DEMOLITION OF EXISTING UTILITIES SHALL BE PHASED SUCH THAT UTILITY SHUT DOWN TIME TO EXISTING FACILITIES ARE MINIMIZED AND IN NO CASE LONGER THAN 8 HOURS.
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SHEET KEYNOTES

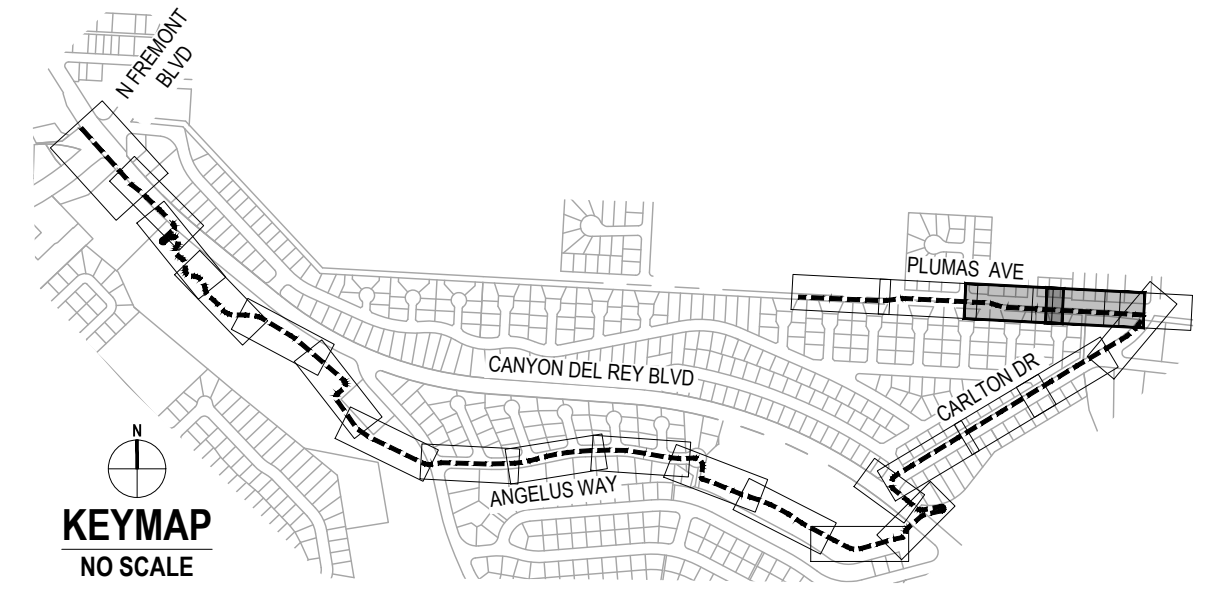
1. EXISTING TO REMAIN, PROTECT-IN-PLACE.
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3. CLEAR AND GRUB TO LIMITS OF GRADING OR EDGE OF IMPROVEMENTS AS SHOWN.
4. RELOCATE EXISTING SIGN. SEE SIGNAGE AND STRIPING PLAN.
5. REMOVE EXISTING TRAFFIC STRIPING AND REFLECTORS.
6. REMOVE EXISTING INLET, REFER TO DRAINAGE PLANS FOR REPLACEMENT.
7. REMOVE EXISTING STORMDRAIN PIPE, REFER TO DRAINAGE PLANS FOR REPLACEMENT.

INDEX OF TREES FOR REMOVAL

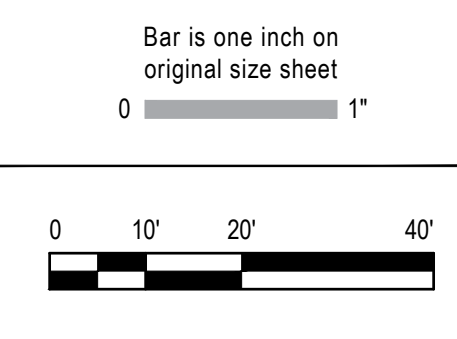
TREE No.	DESCRIPTION	TRUNK Dia AT BREAST HEIGHT (in) (N)
32	CYPRESS	53
33	OAK	10

SHEET LEGEND

- EXTENT OF CLEAR AND GRUB
- EXTENT OF SAWCUT, DEMOLISH AND REMOVE
- REMOVE EXISTING OR ABANDON-IN-PLACE EXISTING AS NOTED
- 2" GRIND AND PREPARE FOR OVERLAY
- SCARIFY AND RECOMPACT EXISTING BASE ROAD FOR TRAIL
- REMOVE TREE



No.	Issue	Author	Checked	Approved	Date
		EM	SG	L. VAN PARYS	
		CO	SG	K. VEDULA	



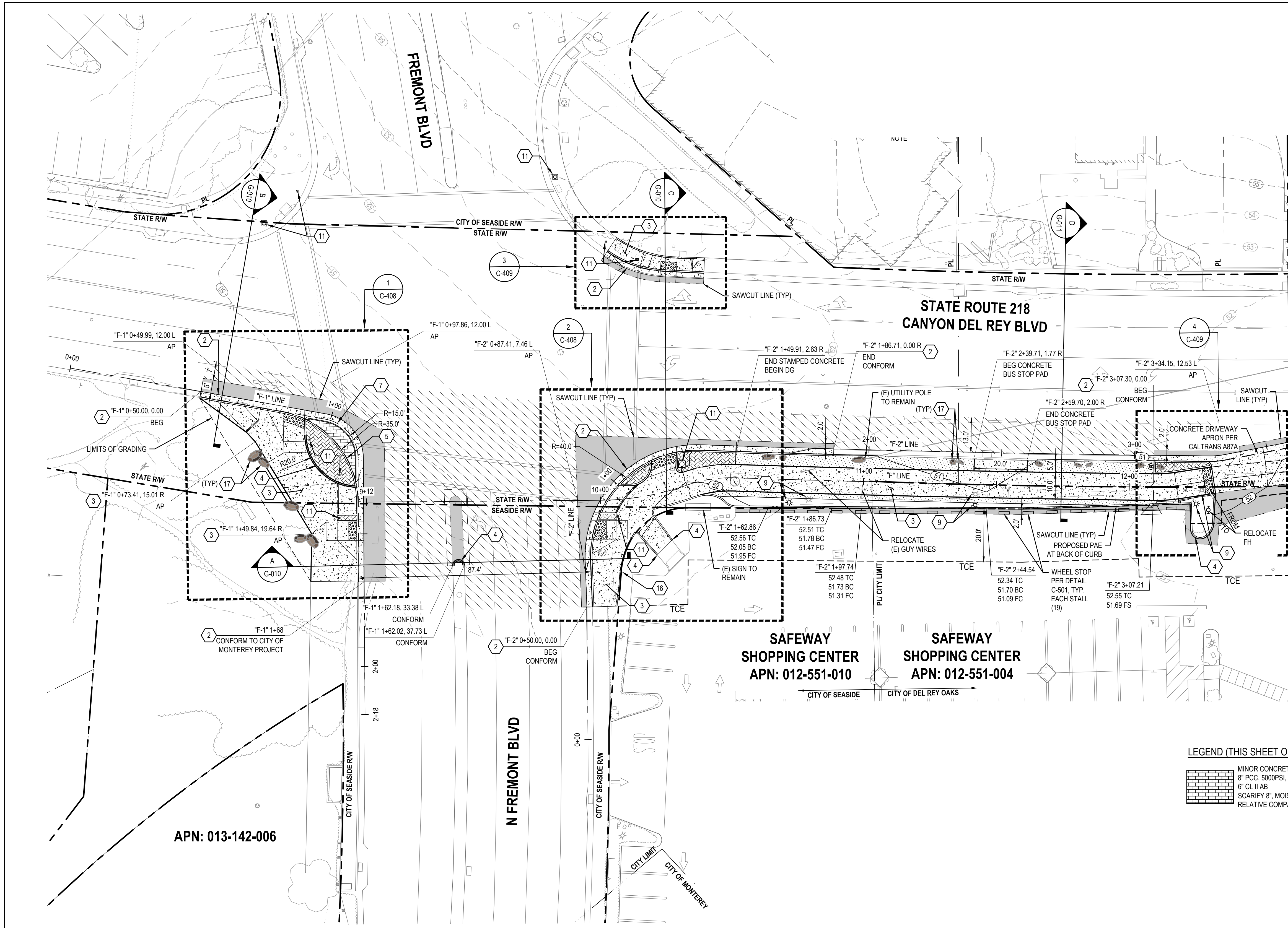
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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Project FORTAG TRAIL PROJECT
Project No. 11220281	Date December 1, 2023
Scale AS SHOWN	

Title EXISTING CONDITIONS AND DEMOLITION PLAN - 11	
Sheet No. D-111	Sheet 30 of 195



MATCHLINE - SEE SHEET C-103

SHEET GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND DEPICT UTILITY LOCATIONS AT BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO ANY UNDERGROUND WORK.
- FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
- FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
- FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
- FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
- SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
- CONTRACTOR SHALL REPLACE ALL DISTURBED AREAS IN-KIND.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
- FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

SHEET KEYNOTES

- RAISE UTILITY TO FINISH GRADE.
- CURB AND GUTTER, CALTRANS TYPE A2-6.
- MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
- CURB, CALTRANS TYPE A1-6.
- CURB AND GUTTER, CALTRANS TYPE A1-4.
- CURB, CALTRANS TYPE D.
- NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
- RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
- NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
- INSTALL 6" TALL CHAINLINK FENCE.
- INSTALL NEW 12" TALL CHAINLINK TENNIS CT FENCE.
- HMA DIKE, CALTRANS TYPE A.
- BIORETENTION AREA PER DETAIL ON SW-501.
- RETAINING CURB PER DETAIL ON C-501.
- FOR BOULDERS, BENCHES, BIKE RACKS ETC. SEE LANDSCAPE AMENITIES PLAN.
- MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
- CONCRETE CHECK DAM PER DETAIL ON C-501.
- CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
- CURB AND GUTTER, CALTRANS TYPE B2-4.
- CURB, CALTRANS TYPE B1-6.
- SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

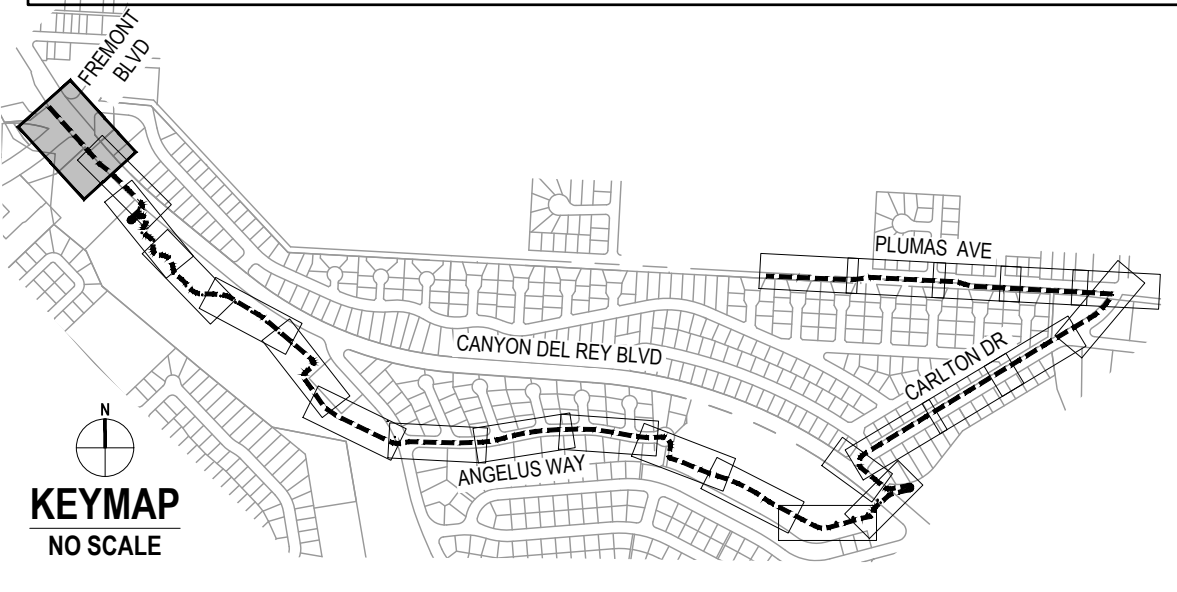
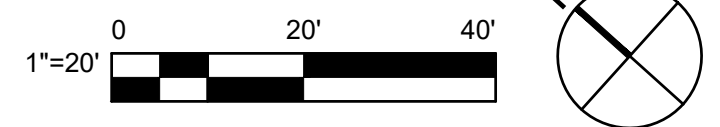
LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE

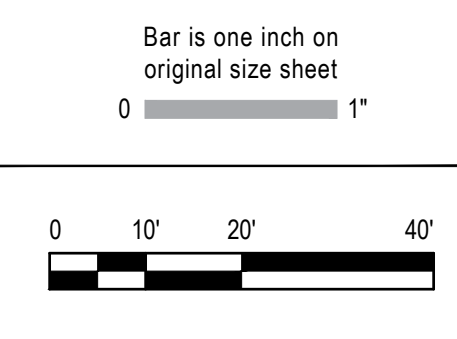
LEGEND (THIS SHEET ONLY)

	MINOR CONCRETE TRUCK APRON 8" PCC, 5000PSI, #4 BARS @12" O.C. EACH WAY 6" CL II AB SCARIFY 8", MOISTURE CONDITIONED AT 90% RELATIVE COMPACTION
--	--

1 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
		L. VAN PARYS		
		K. VEDULA		



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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

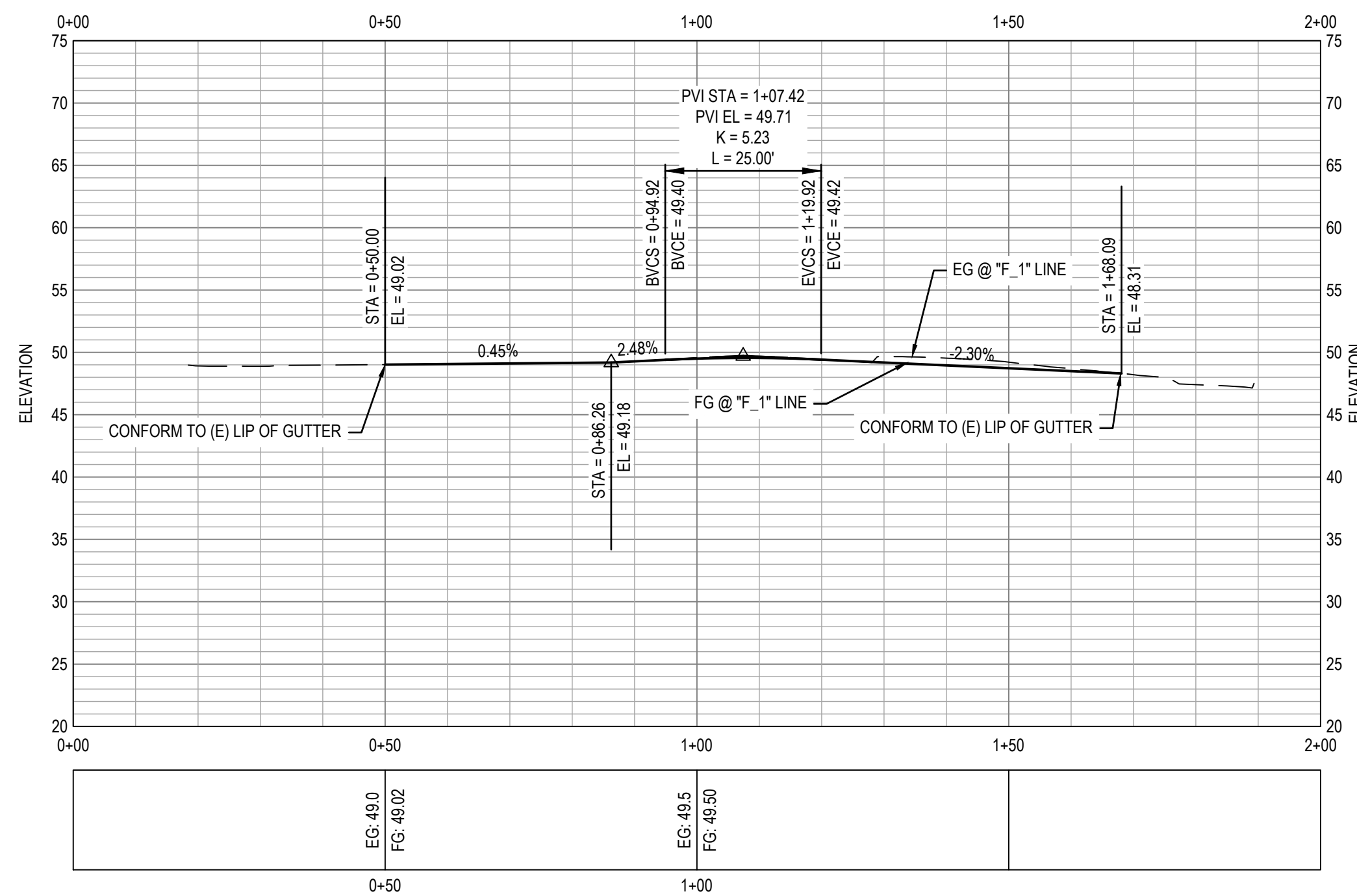
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Size **ANSI D**

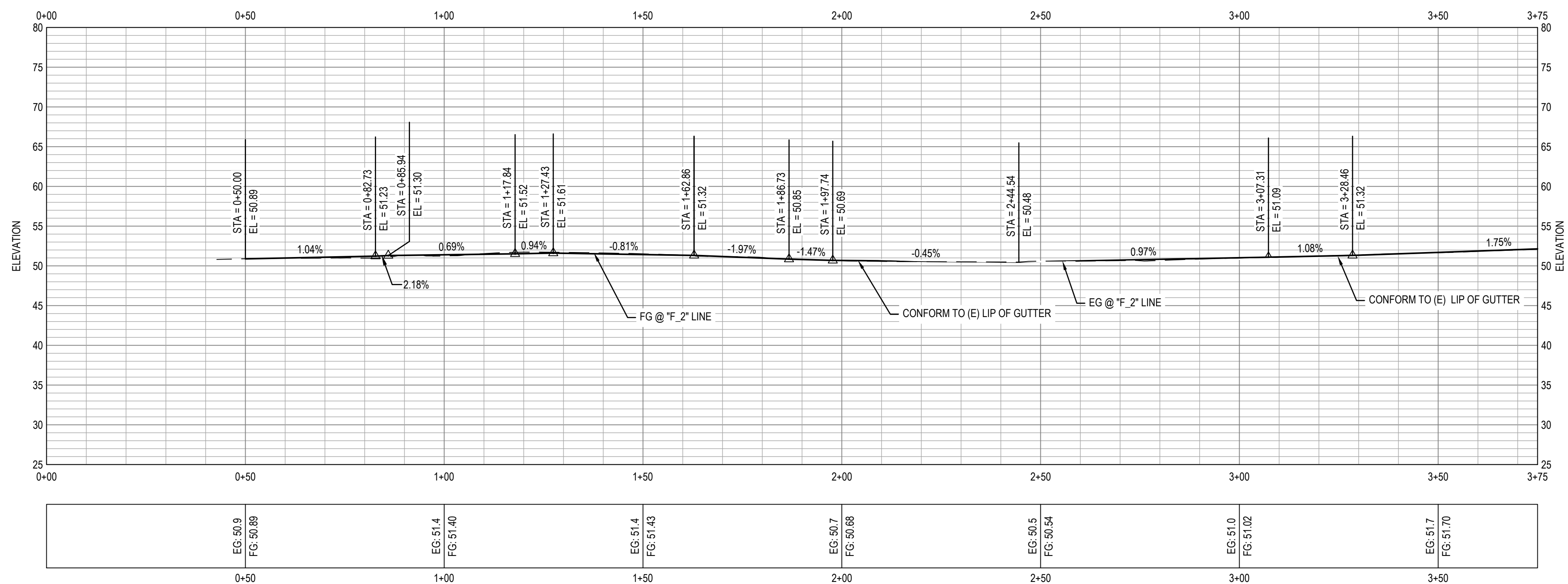
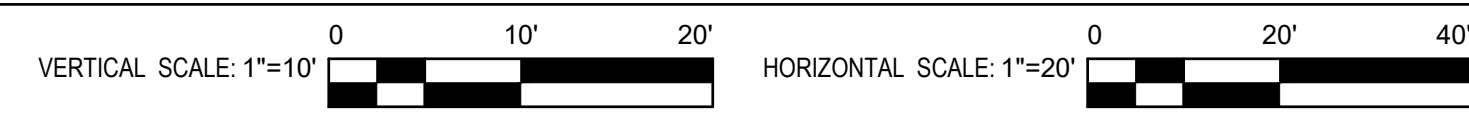
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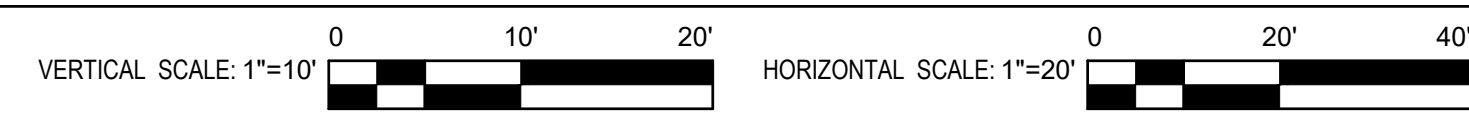
Sheet 31 of 195



1 PROFILE



2 PROFILE



SHEET GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND DEPICT UTILITY LOCATIONS AT BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO ANY UNDERGROUND WORK.
- FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
- FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
- FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
- FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
- SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
- CONTRACTOR SHALL REPLACE ALL DISTURBED AREAS IN-KIND.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
- FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

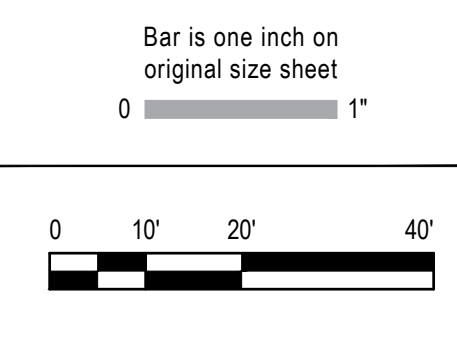
SHEET KEYNOTES

- RAISE UTILITY TO FINISH GRADE.
- CURB AND GUTTER, CALTRANS TYPE A2-6.
- MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
- CURB, CALTRANS TYPE A1-6.
- CURB, CALTRANS TYPE A1-4.
- CURB AND GUTTER, CALTRANS TYPE E.
- CURB, CALTRANS TYPE D.
- NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
- RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
- NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
- INSTALL 6' TALL CHAINLINK FENCE.
- INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
- HMA DIKE, CALTRANS TYPE A.
- BIORETENTION AREA PER DETAIL ON SW-501.
- RETAINING CURB PER DETAIL ON C-501.
- FOR BOULDERS, BENCHES, BIKE RACKS ETC. SEE LANDSCAPE AMENITIES PLAN.
- MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
- CONCRETE CHECK DAM PER DETAIL ON C-501.
- CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
- CURB AND GUTTER, CALTRANS TYPE B2-4.
- CURB, CALTRANS TYPE B1-6.
- SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



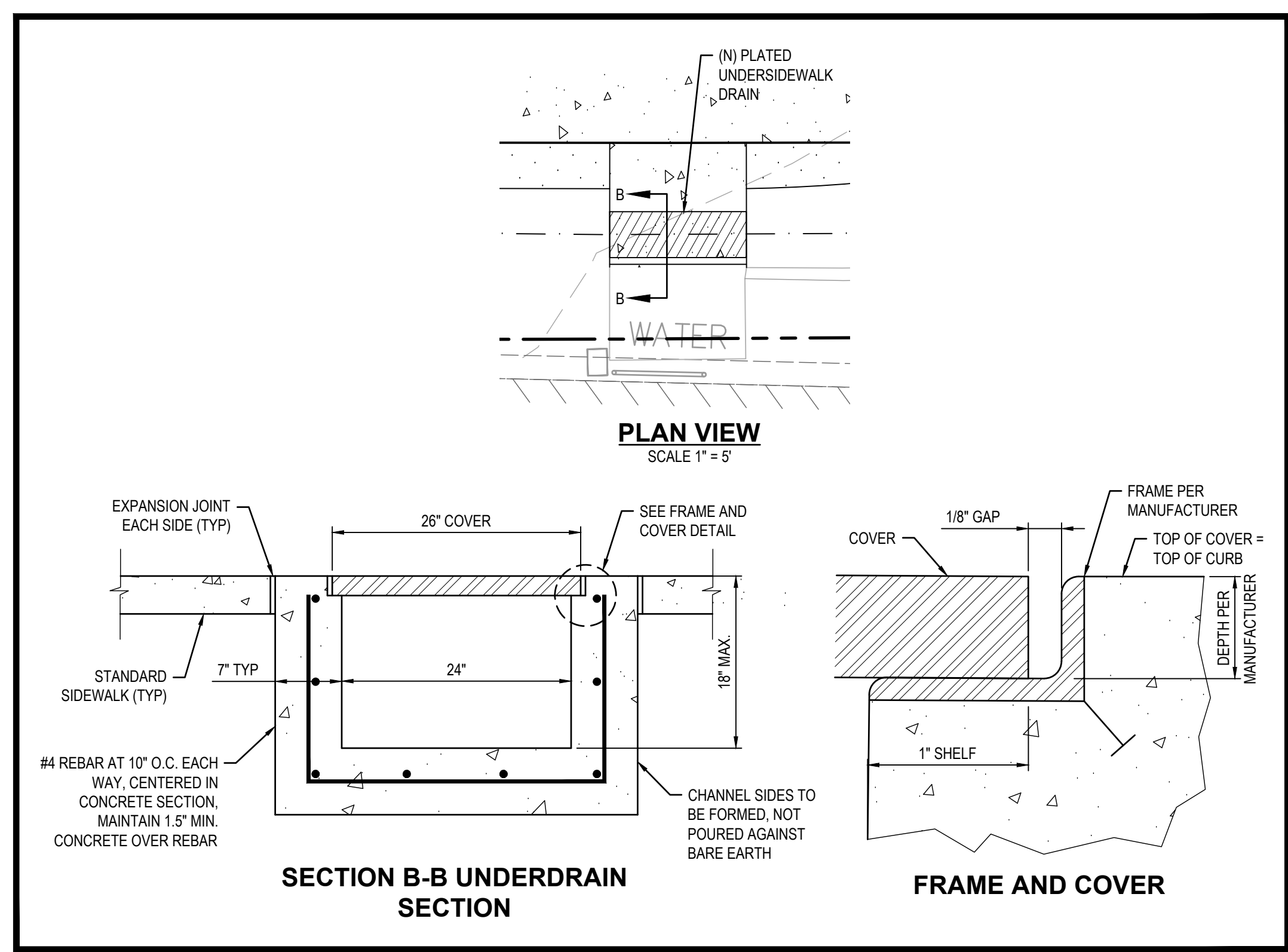
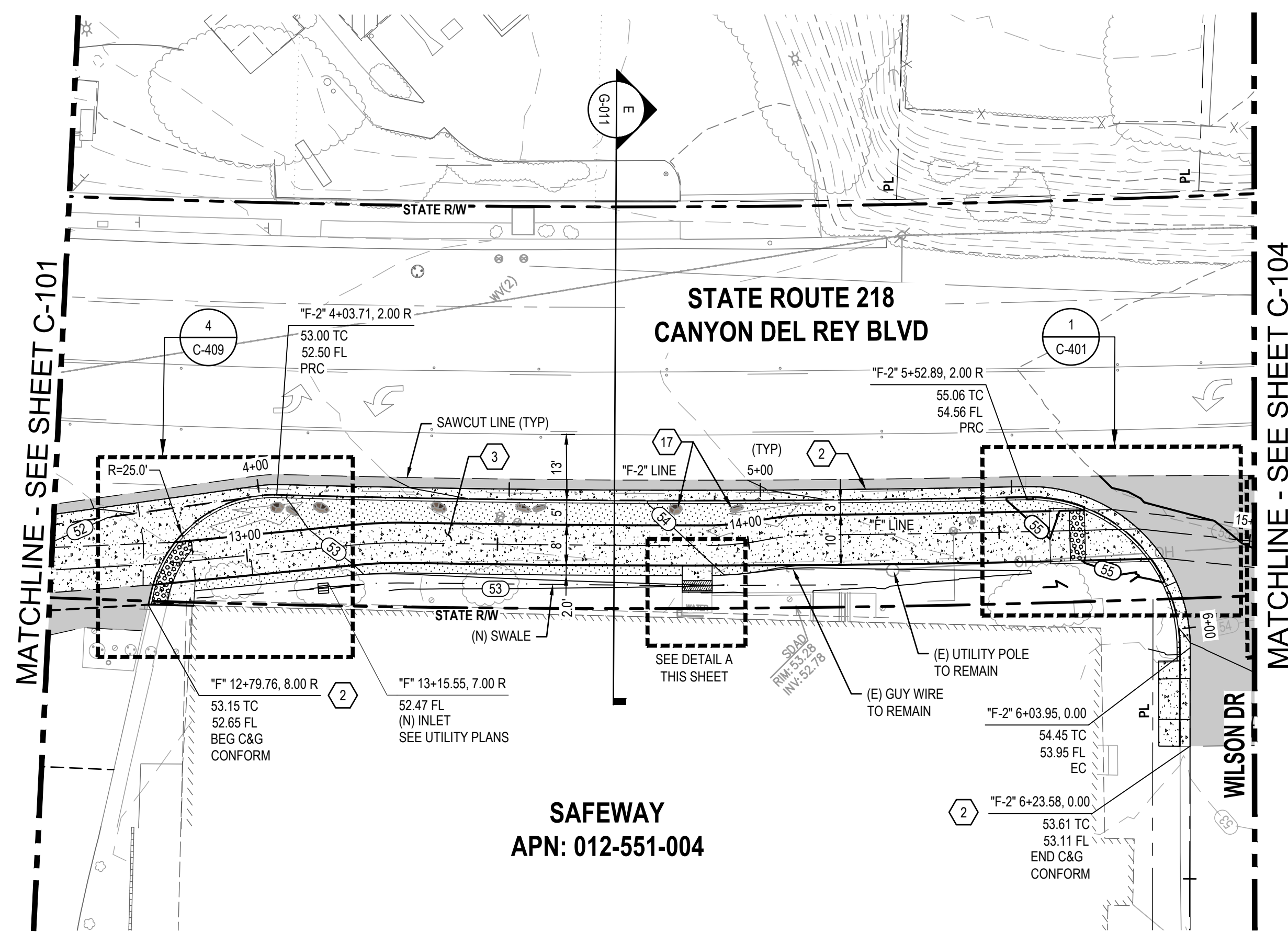
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Project No.	11220281
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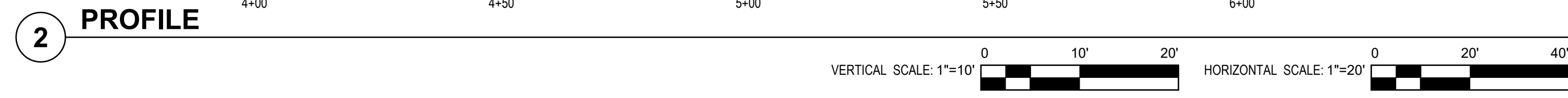
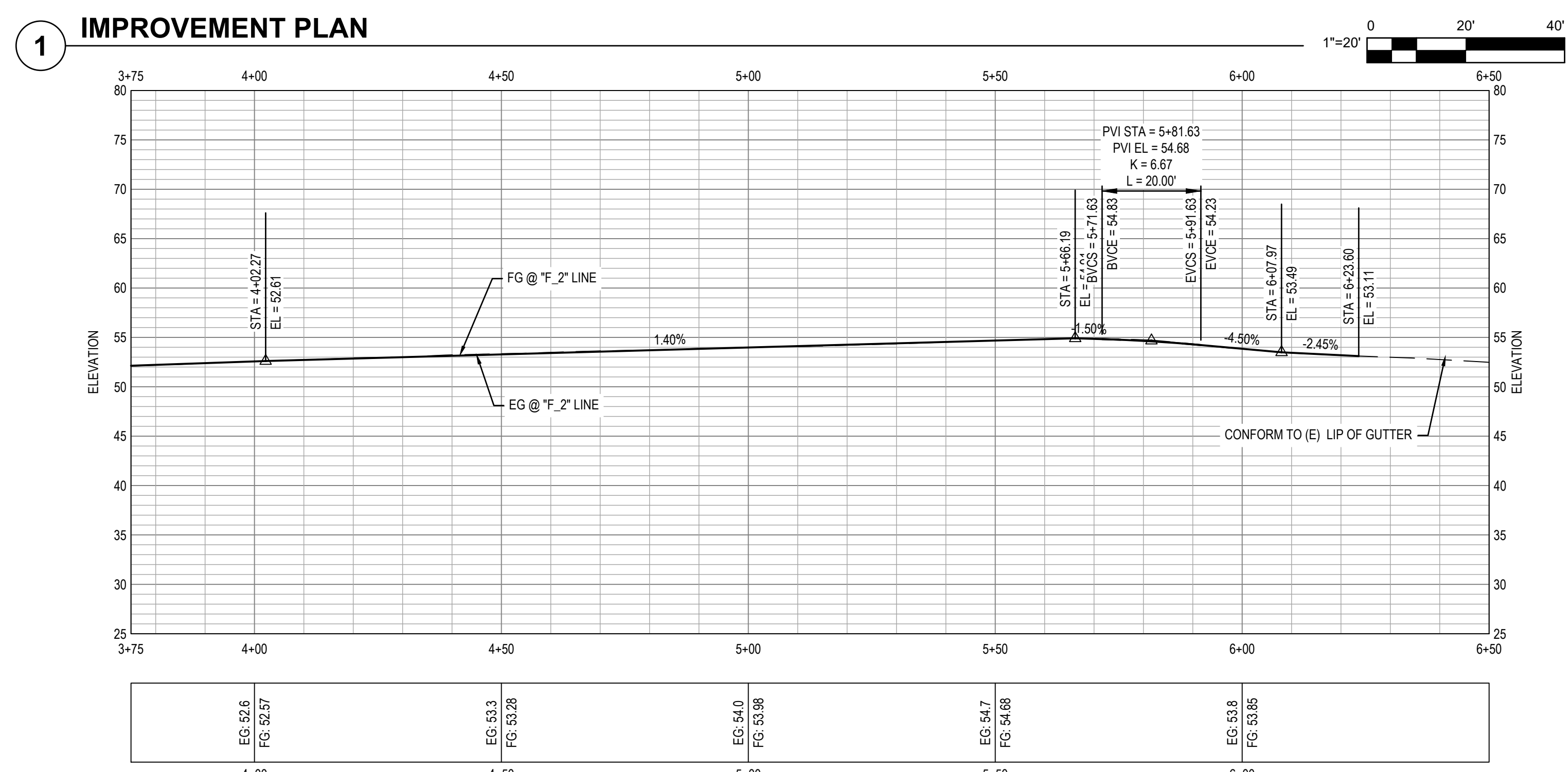
Title	IMPROVEMENT PROFILE-1
Size	ANSI D
Status Code	
Sheet No.	C-102
Sheet	32 of 195



DETAIL A

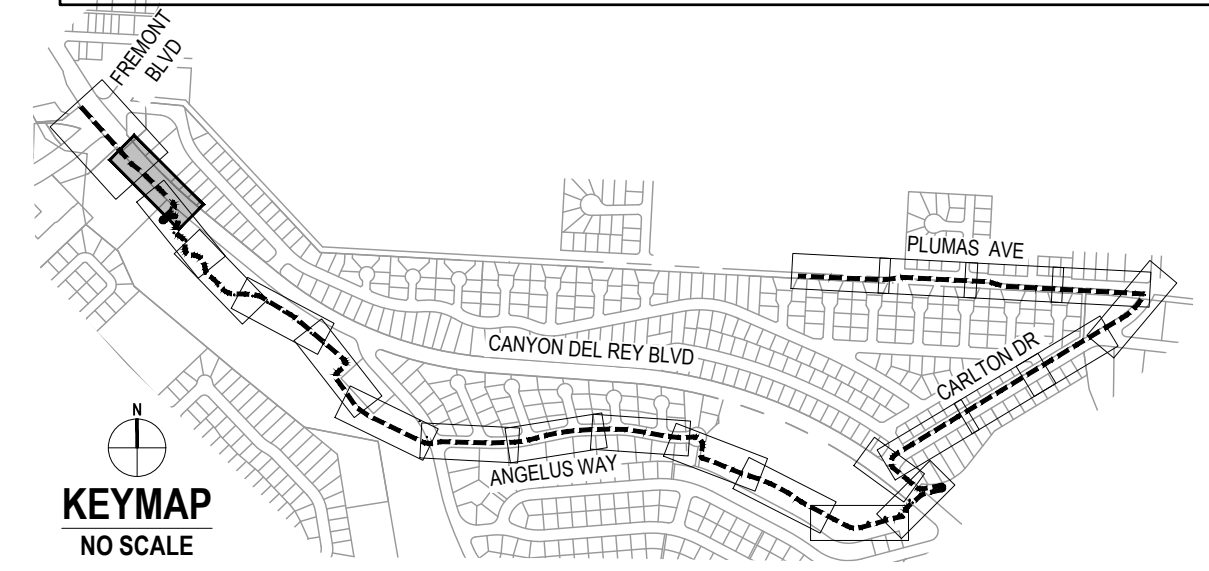
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 - FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
 - FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
 - FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
 - SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
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 - FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

- SHEET KEYNOTES**
- RAISE UTILITY TO FINISH GRADE.
 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
 - TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN
 - INSTALL 6' TALL CHAINLINK FENCE
 - INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE
 - HMA DIKE, CALTRANS TYPE A
 - BIORETENTION AREA PER DETAIL ON SW-501.
 - RETAINING CURB PER DETAIL ON C-501.
 - FOR BOULDERS, BENCHES, BIKE RACKS ETC. SEE LANDSCAPE AMENITIES PLAN.
 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
 - CONCRETE CHECK DAM PER DETAIL ON C-501.
 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
 - CURB AND GUTTER, CALTRANS TYPE B2-4
 - CURB, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

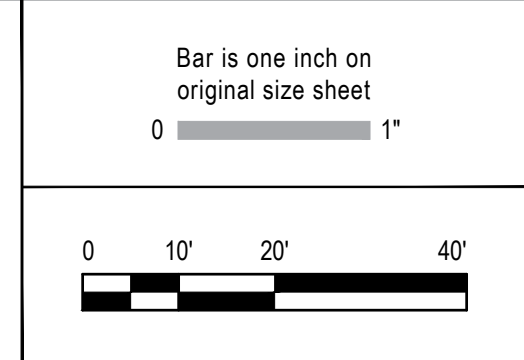


LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



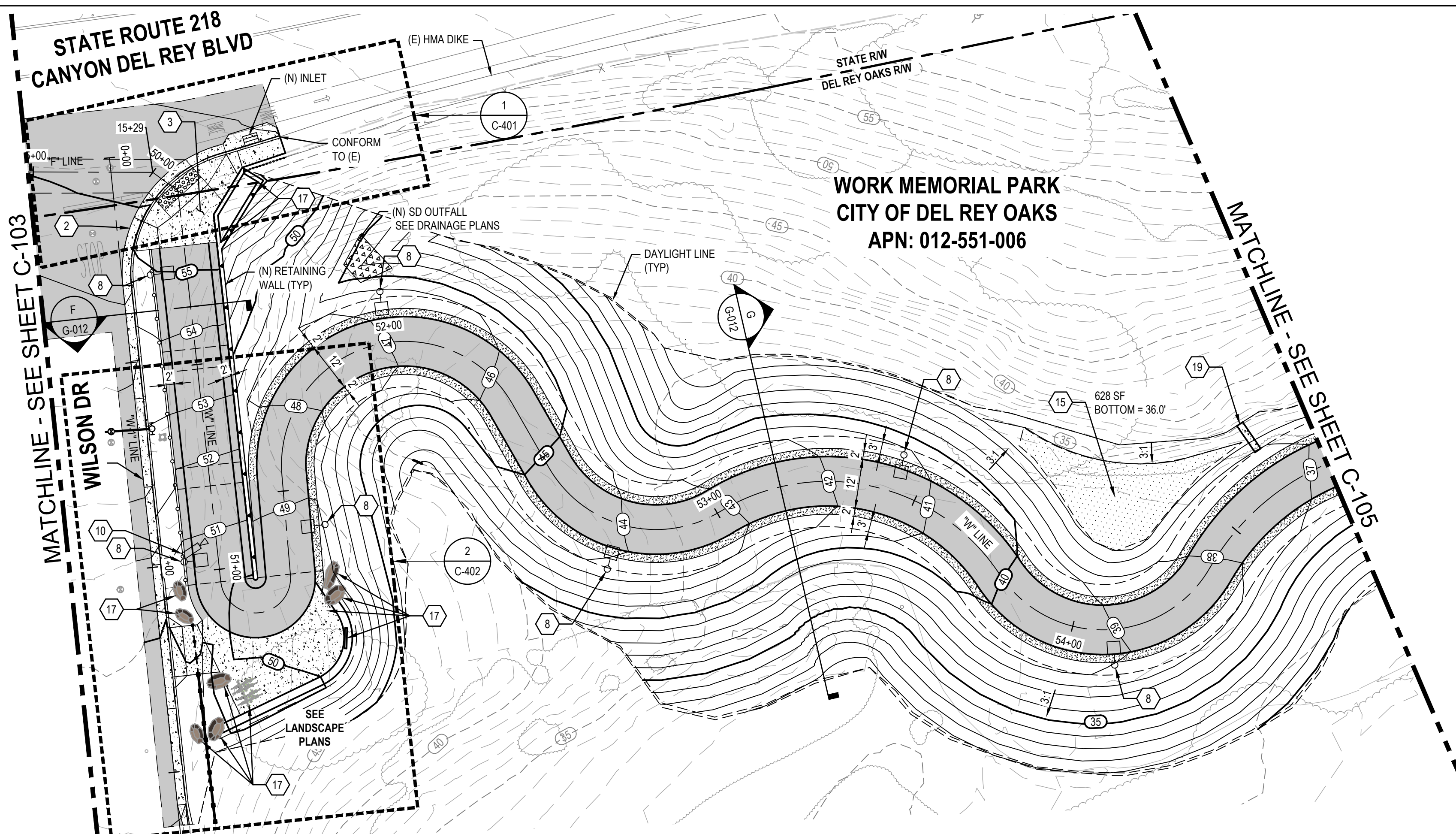
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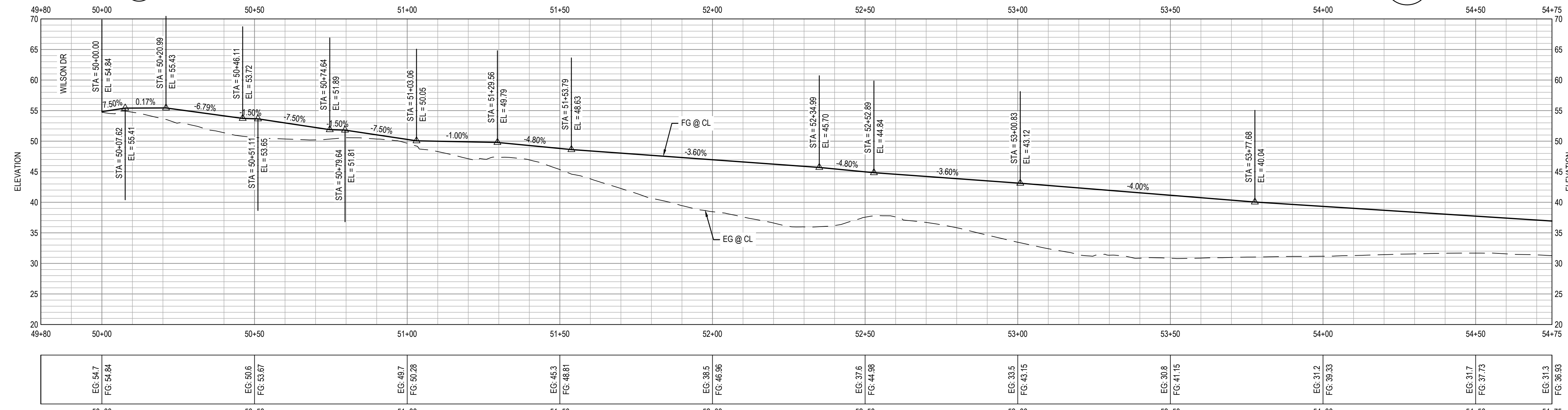


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

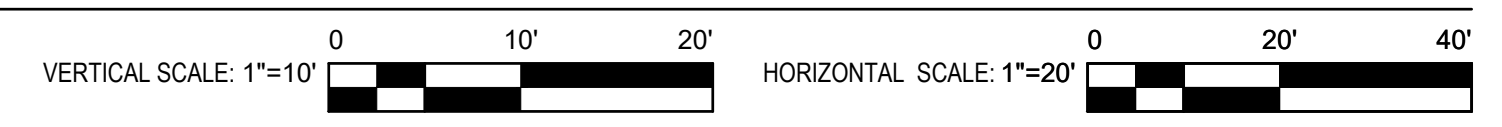
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Size	ANSI D
Status Code	
Sheet No.	C-103
Sheet	33 of 195



1 IMPROVEMENT PLAN



2 PROFILE

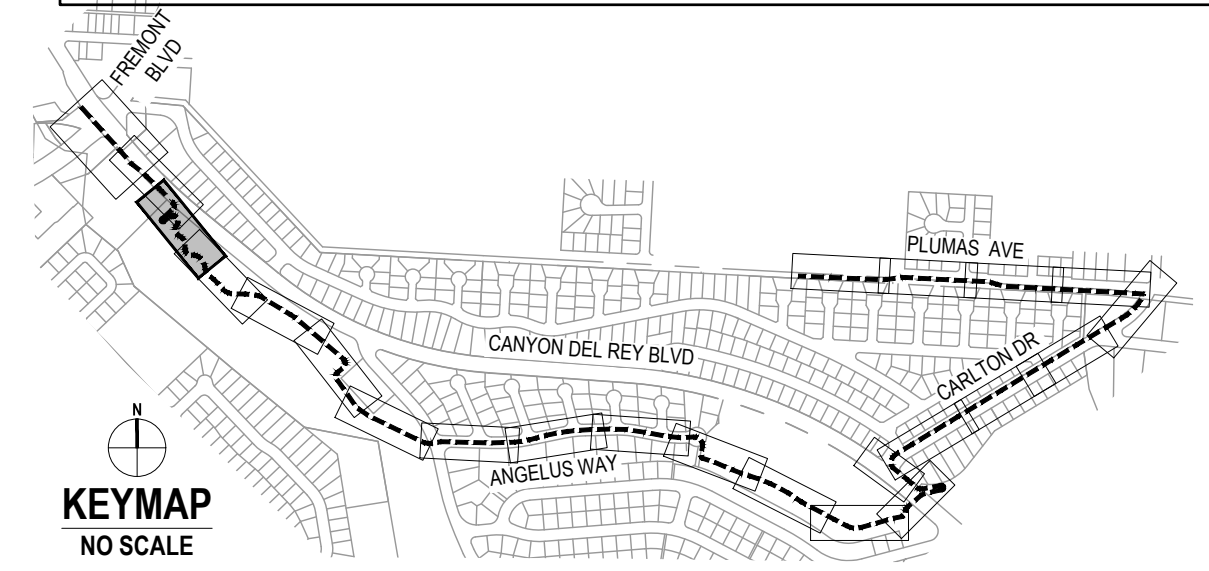


- SHEET GENERAL NOTES**
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 - FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
 - FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
 - FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
 - FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
 - SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
 - CONTRACTOR SHALL REPLACE ALL DISTURBED AREAS IN-KIND.
 - CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
 - FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

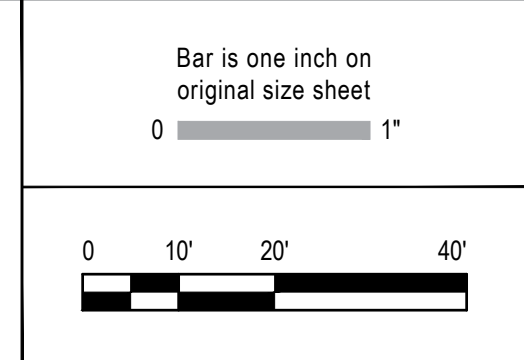
- SHEET KEYNOTES**
- RAISE UTILITY TO FINISH GRADE.
 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
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 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
 - CONCRETE CHECK DAM PER DETAIL ON C-501.
 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
 - CURB AND GUTTER, CALTRANS TYPE B2-4.
 - CURB, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

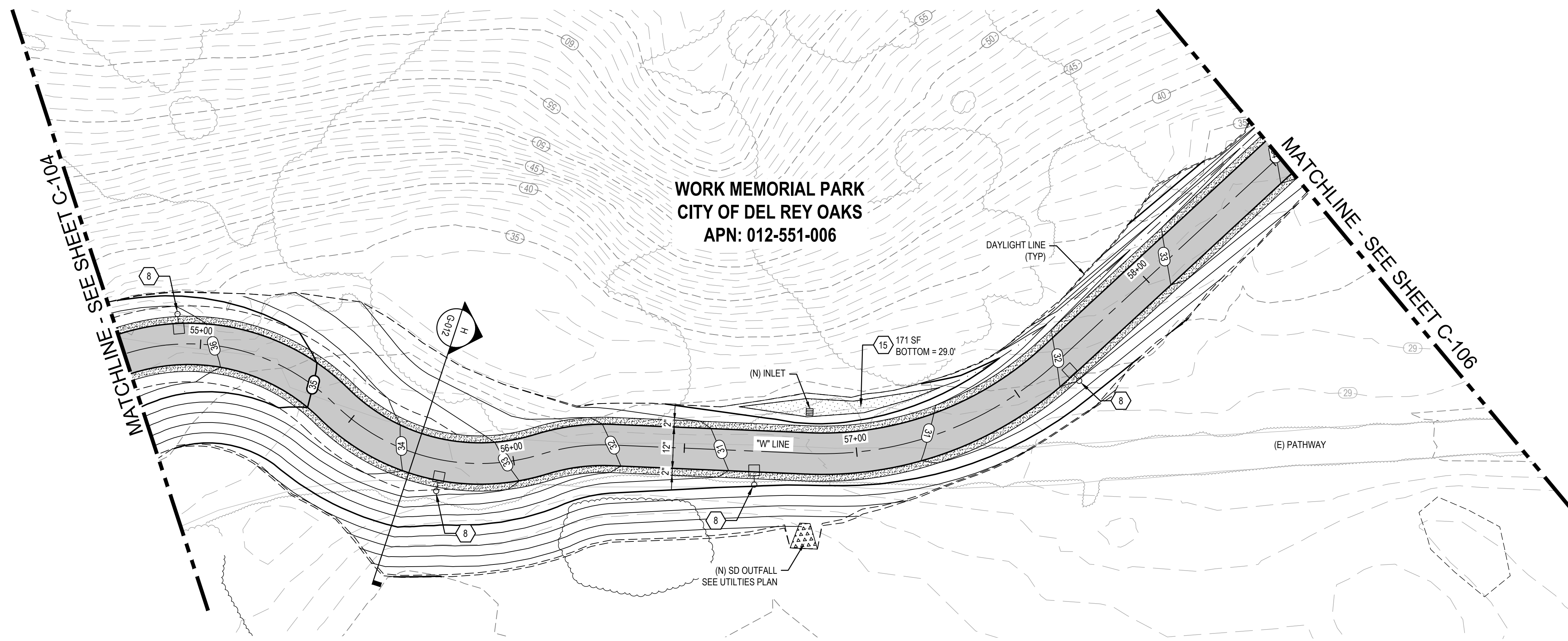
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Size: **ANSI D**

Status Code:

Sheet No.: **C-104**

Sheet: 34 of 195



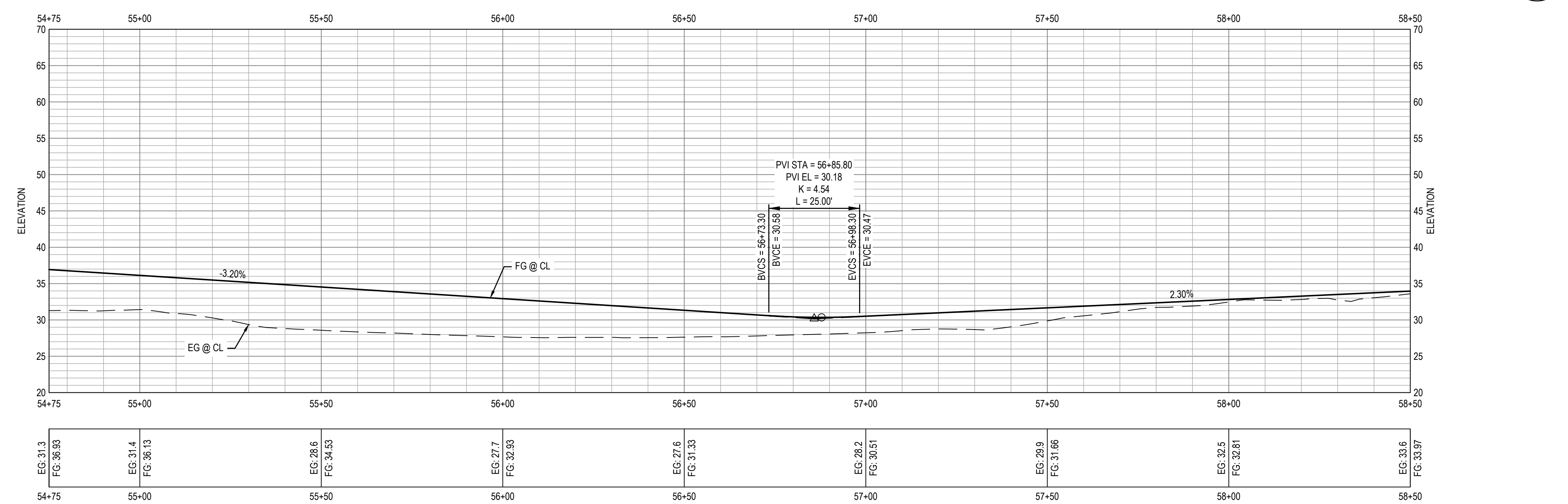
SHEET GENERAL NOTES

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- CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
- FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

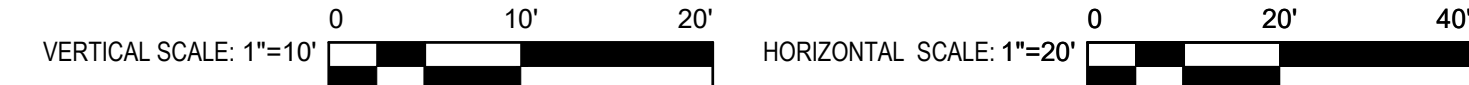
SHEET KEYNOTES

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- CURB AND GUTTER, CALTRANS TYPE A2-6.
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- CURB, CALTRANS TYPE A1-6.
- CURB, CALTRANS TYPE A1-4.
- CURB AND GUTTER, CALTRANS TYPE E.
- CURB, CALTRANS TYPE D.
- NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
- RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
- NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
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- INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
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- CURB AND GUTTER, CALTRANS TYPE B2-4.
- CURB, CALTRANS TYPE B1-6.
- SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

1 IMPROVEMENT PLAN



2 PROFILE

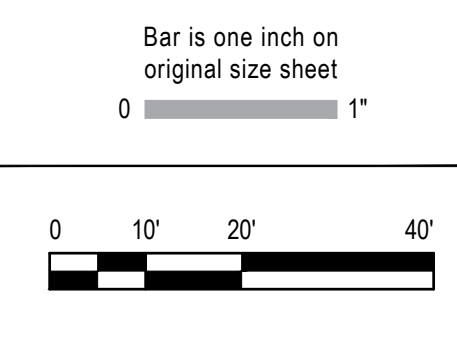


LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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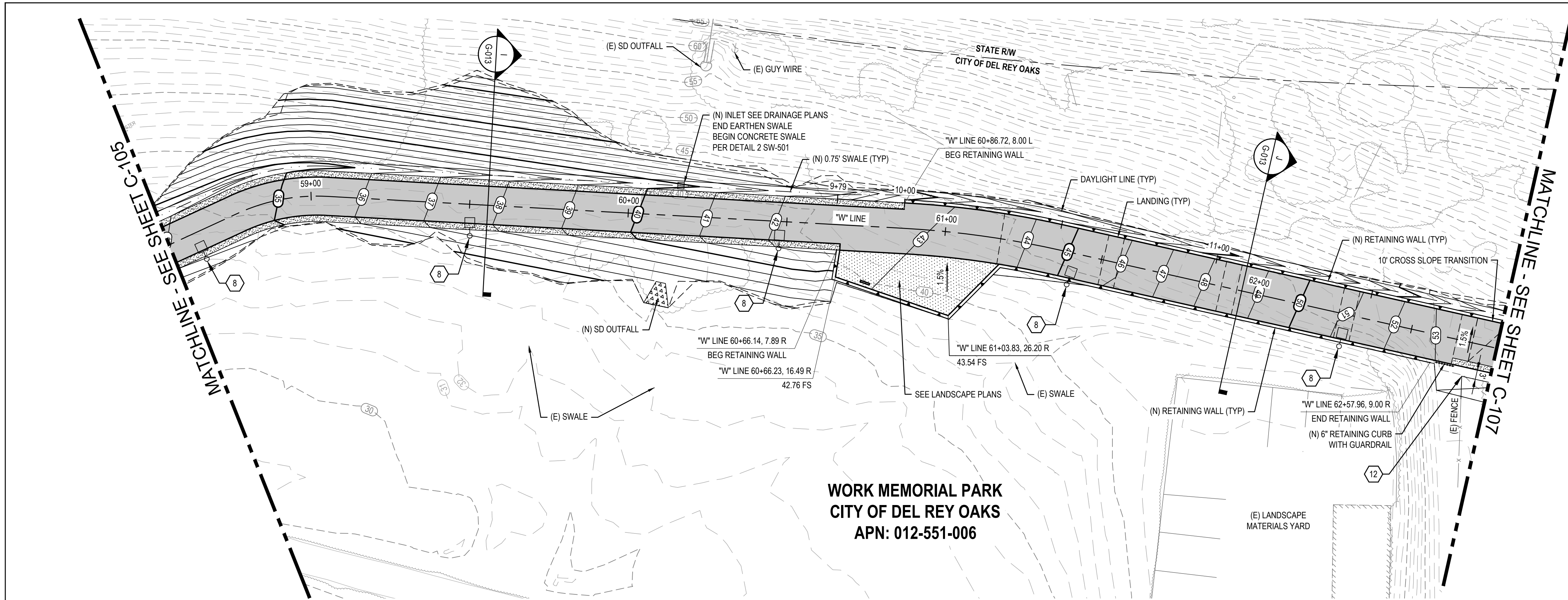
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **IMPROVEMENT PLAN AND PROFILE-4**

Size: **ANSI D**

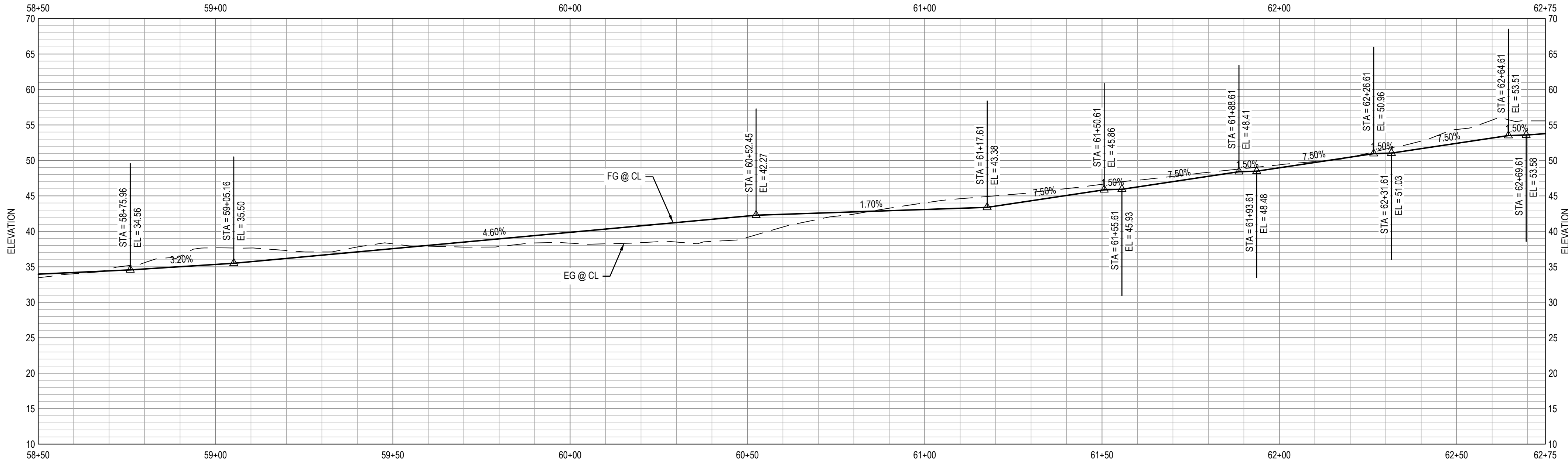
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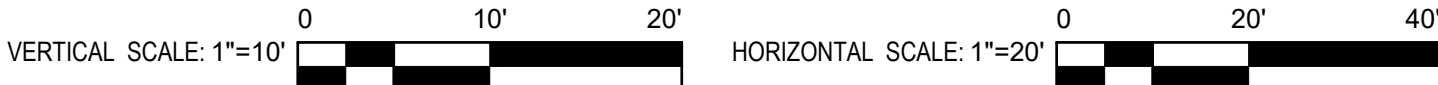


**WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006**

1 IMPROVEMENT PLAN



2 PROFILE

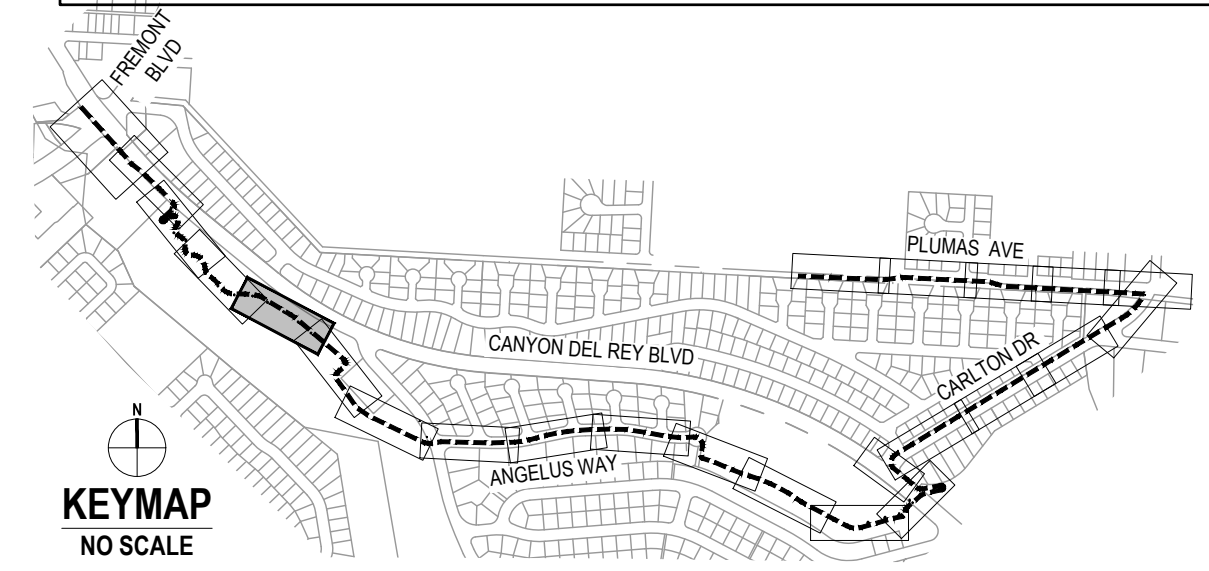


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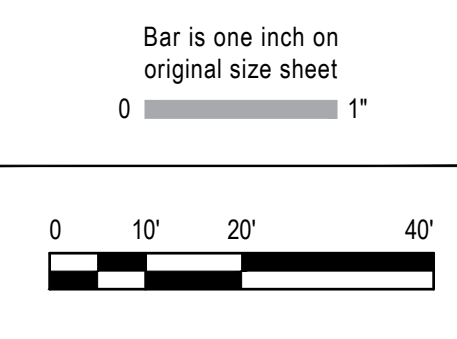
- SHEET KEYNOTES**
- RAISE UTILITY TO FINISH GRADE.
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 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
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 - CURB, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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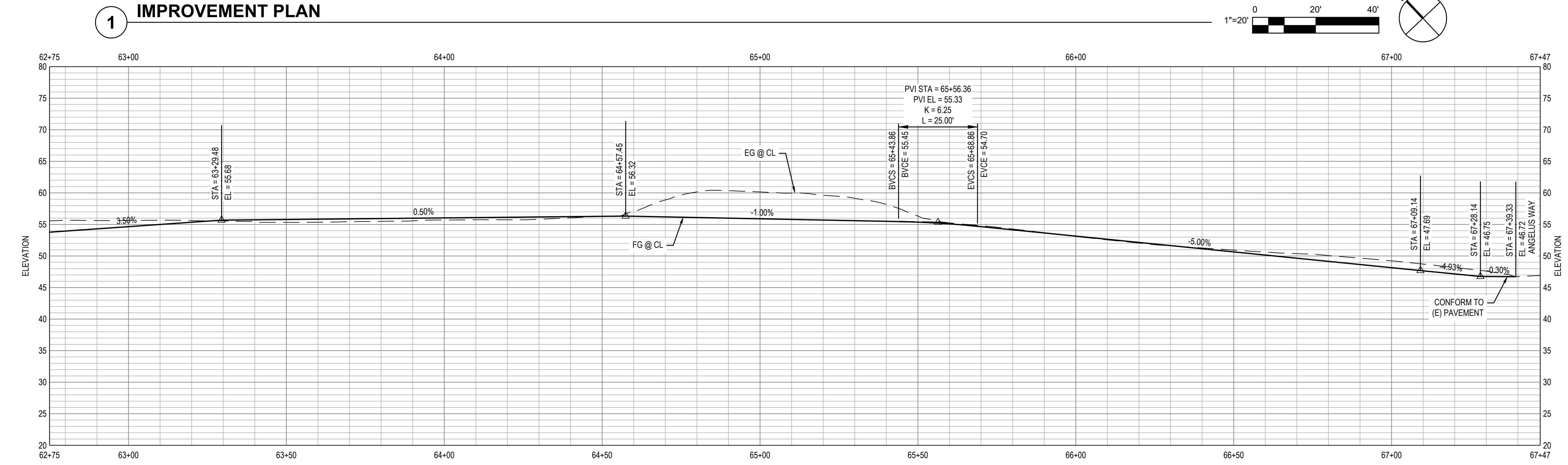
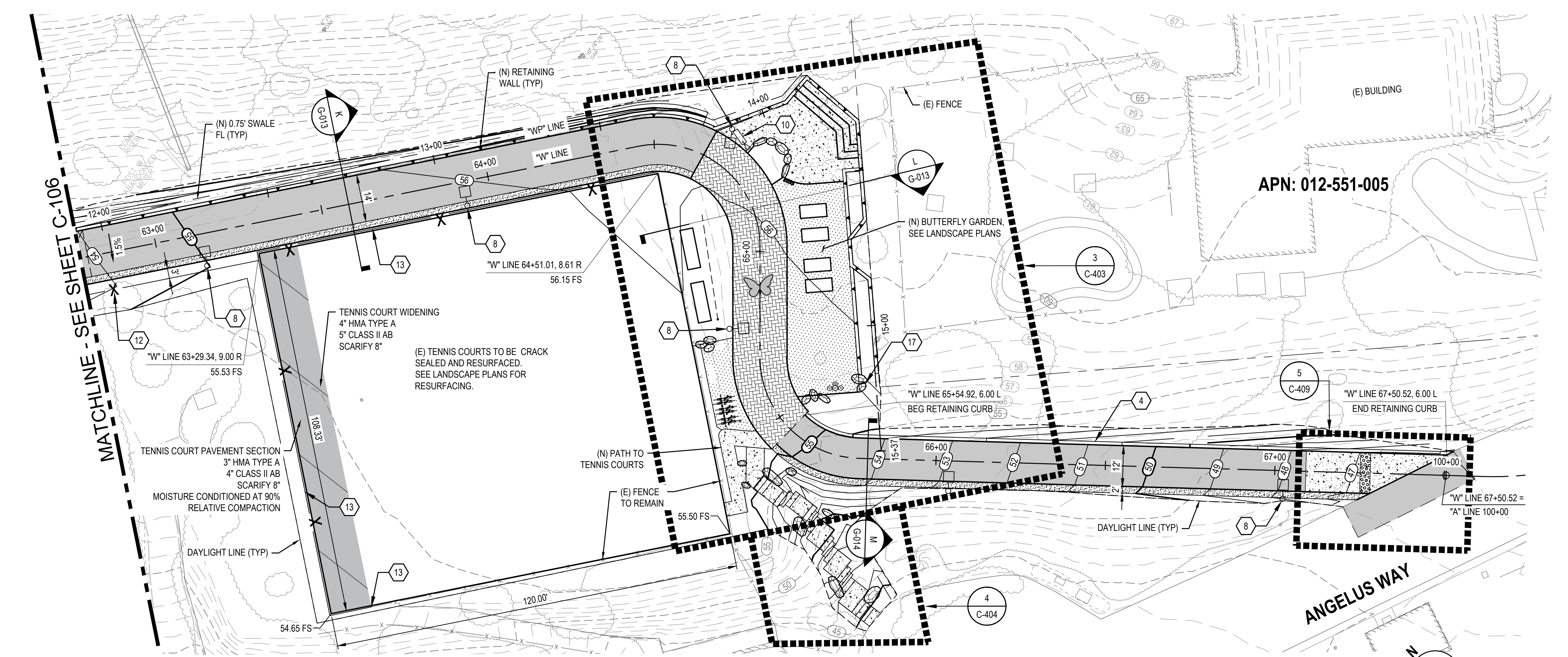
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **IMPROVEMENT PLAN AND PROFILE-5**

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Status Code:

Sheet No. **C-106** of 195

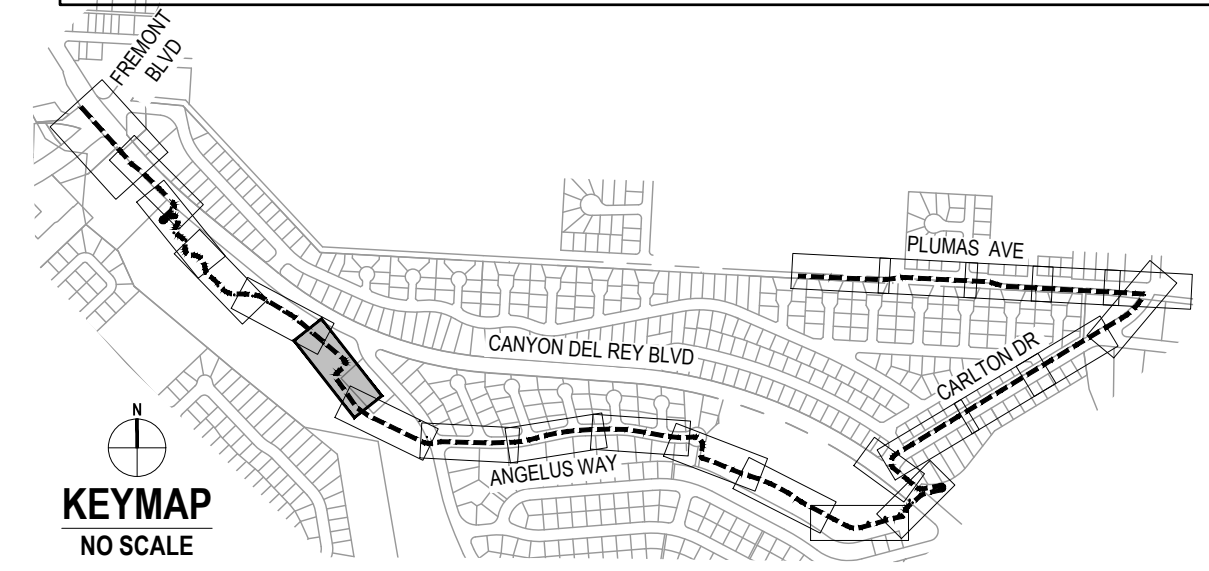


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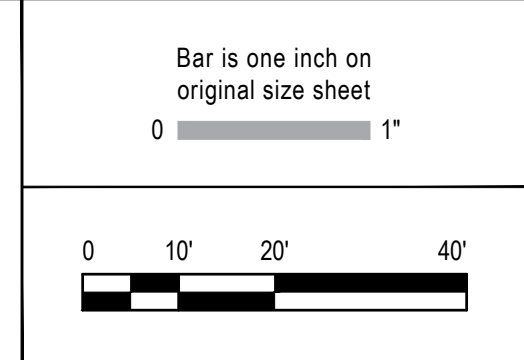
- SHEET KEYNOTES**
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 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
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LEGEND

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			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



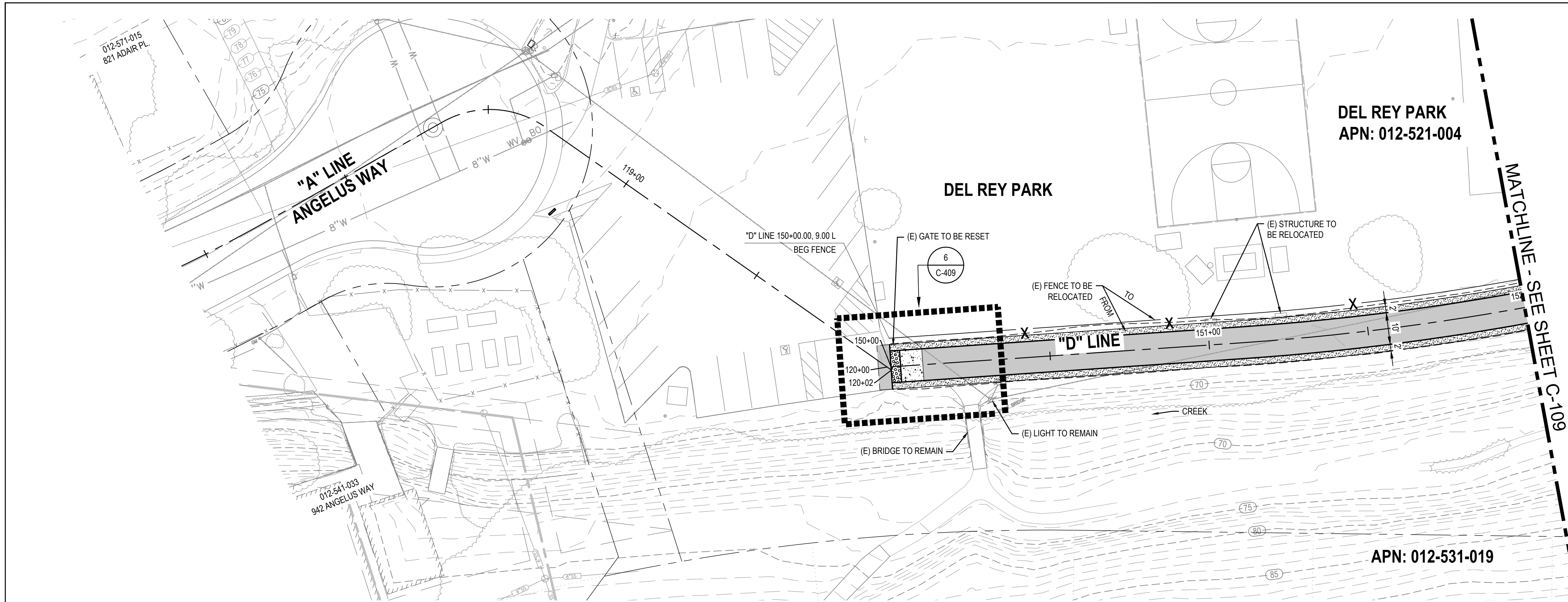
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Project No.	11220281
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Scale	AS SHOWN

Title	IMPROVEMENT PLAN AND PROFILE-6
Size	ANSI D
Status Code	
Sheet No.	C-107
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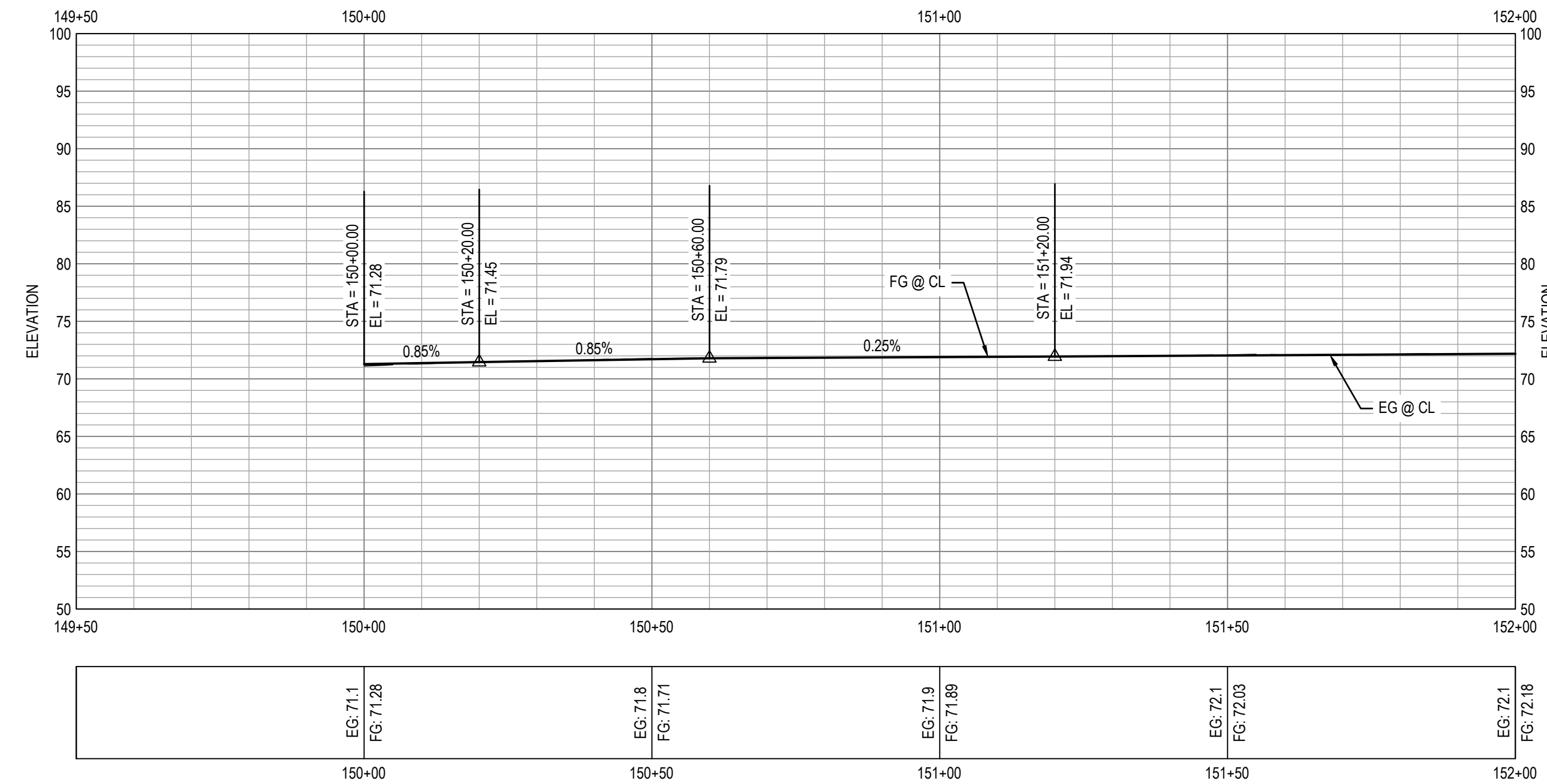
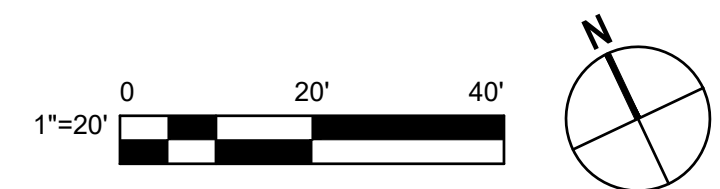
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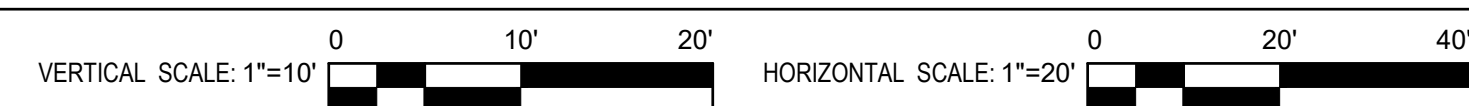
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- CURB AND GUTTER, CALTRANS TYPE E.
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- SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

1 IMPROVEMENT PLAN

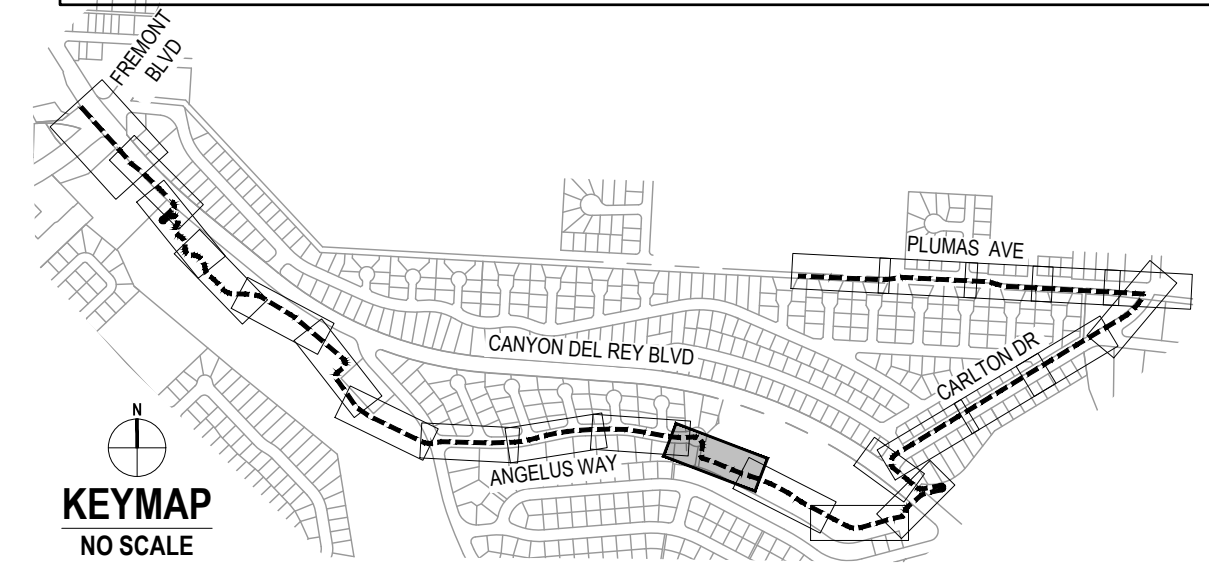


2 PROFILE

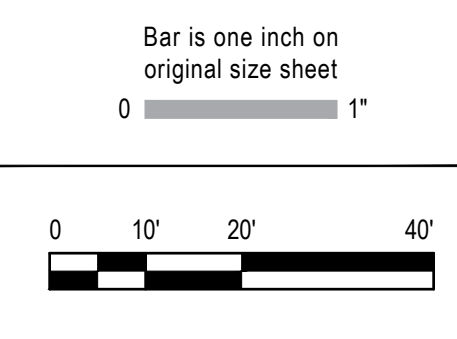


LEGEND

- | | | | |
|--|--|--|--|
| | MINOR CONCRETE | | AGGREGATE BASE (CLASS II) |
| | HOT MIX ASPHALT | | DETECTABLE WARNING SURFACE |
| | STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS | | ROCK SLOPE PROTECTION SEE DRAINAGE PLANS |
| | SLURRY SEAL | | DECOMPOSED GRANITE |
| | GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503 | | RETAINING WALL |
| | 3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503 | | CHAIN LINK FENCE |
| | | | GRADING LIMITS |
| | | | WOOD FENCE |



No.	Issue	Author	Checked	Approved	Date
		EM	SG	L. VAN PARYS	
		CO	SG	K. VEDULA	



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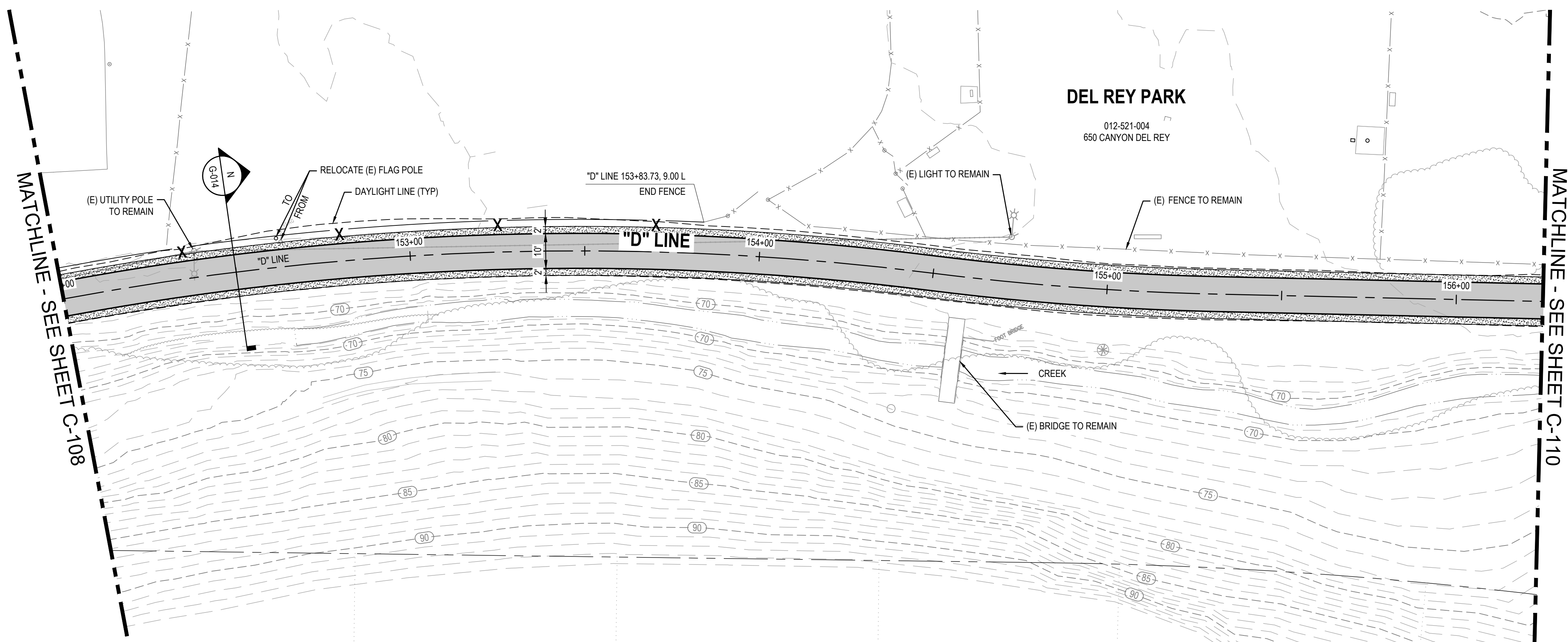
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title IMPROVEMENT PLAN AND PROFILE-7
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size
ANSI D

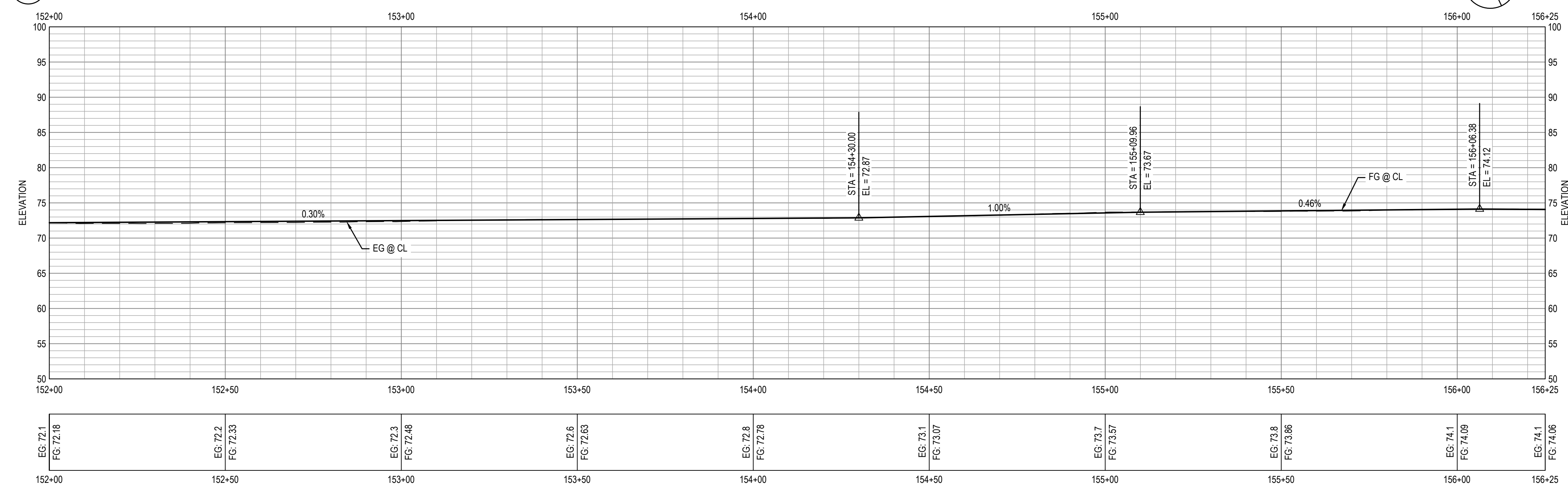
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Sheet No.
C-108

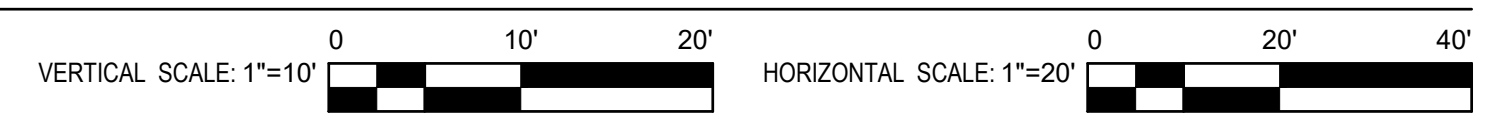
Sheet
38 of 195



1 IMPROVEMENT PLAN



2 PROFILE



SHEET GENERAL NOTES

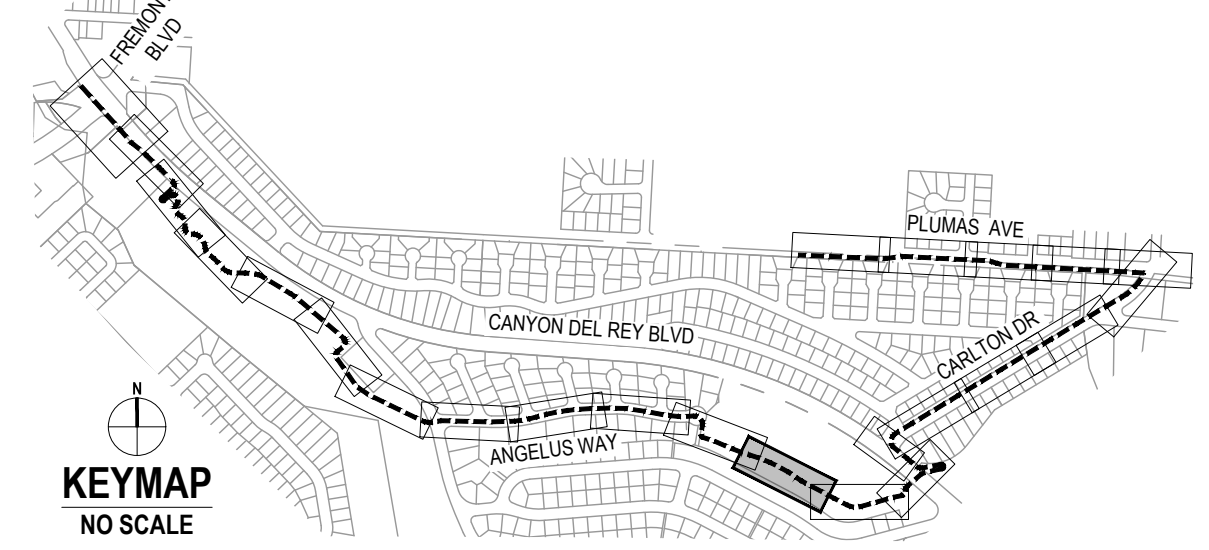
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- FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
- FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
- FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
- FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
- SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
- CONTRACTOR SHALL REPLACE ALL DISTURBED AREAS IN-KIND.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
- FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

SHEET KEYNOTES

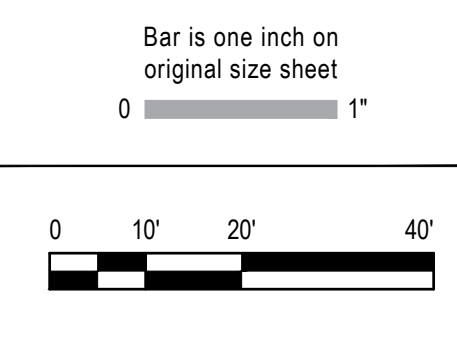
- RAISE UTILITY TO FINISH GRADE.
- CURB AND GUTTER, CALTRANS TYPE A2-6.
- MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
- CURB, CALTRANS TYPE A1-6.
- CURB, CALTRANS TYPE A1-4.
- CURB AND GUTTER, CALTRANS TYPE E.
- CURB, CALTRANS TYPE D.
- NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
- RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
- NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
- INSTALL 6' TALL CHAINLINK FENCE.
- INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
- HMA DIKE, CALTRANS TYPE A.
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- RETAINING CURB PER DETAIL ON C-501.
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- MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
- CONCRETE CHECK DAM PER DETAIL ON C-501.
- CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
- CURB AND GUTTER, CALTRANS TYPE B2-4.
- CURB, CALTRANS TYPE B1-6.
- SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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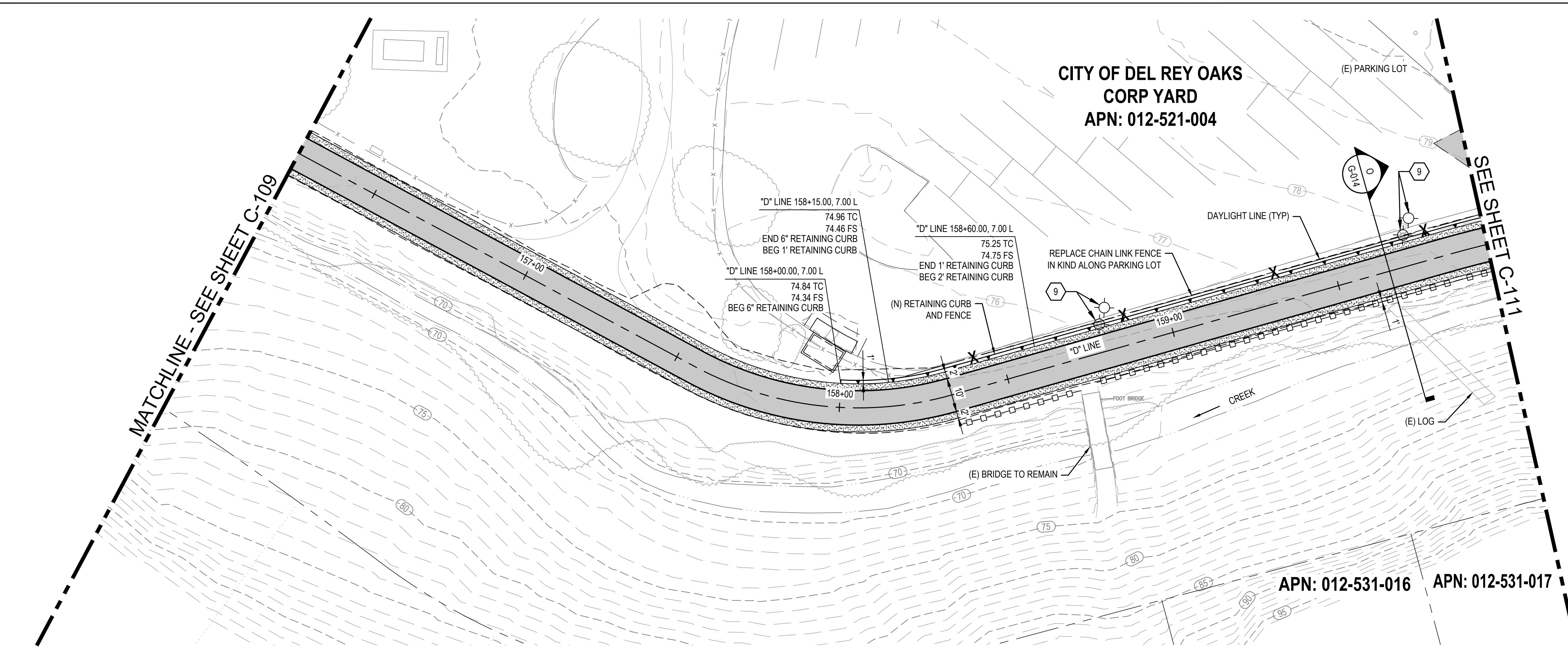
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **IMPROVEMENT PLAN AND PROFILE-8**

Size **ANSI D**

Status Code

Sheet No. **C-109** of 195



CITY OF DEL REY OAKS
CORP YARD
APN: 012-521-004

APN: 012-531-016 APN: 012-531-017

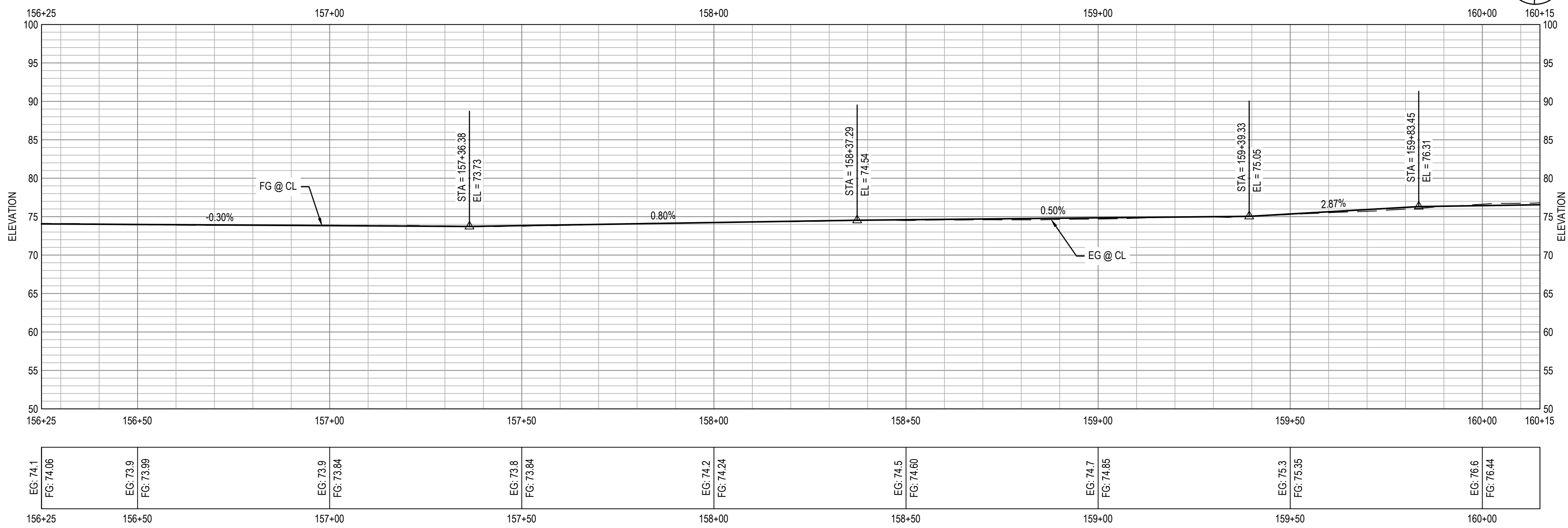
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- FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
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- FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

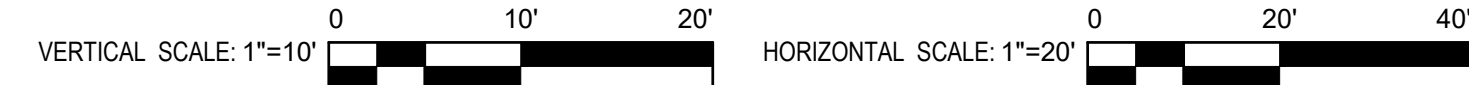
SHEET KEYNOTES

- RAISE UTILITY TO FINISH GRADE.
- CURB AND GUTTER, CALTRANS TYPE A2-6.
- MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
- CURB, CALTRANS TYPE A1-6.
- CURB, CALTRANS TYPE A1-4.
- CURB AND GUTTER, CALTRANS TYPE E.
- CURB, CALTRANS TYPE D.
- NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
- RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
- NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
- INSTALL 6' TALL CHAINLINK FENCE.
- INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
- HMA DIKE, CALTRANS TYPE A.
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- CONCRETE CHECK DAM PER DETAIL ON C-501.
- CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
- CURB AND GUTTER, CALTRANS TYPE B2-4.
- CURB, CALTRANS TYPE B1-6.
- SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

1 IMPROVEMENT PLAN

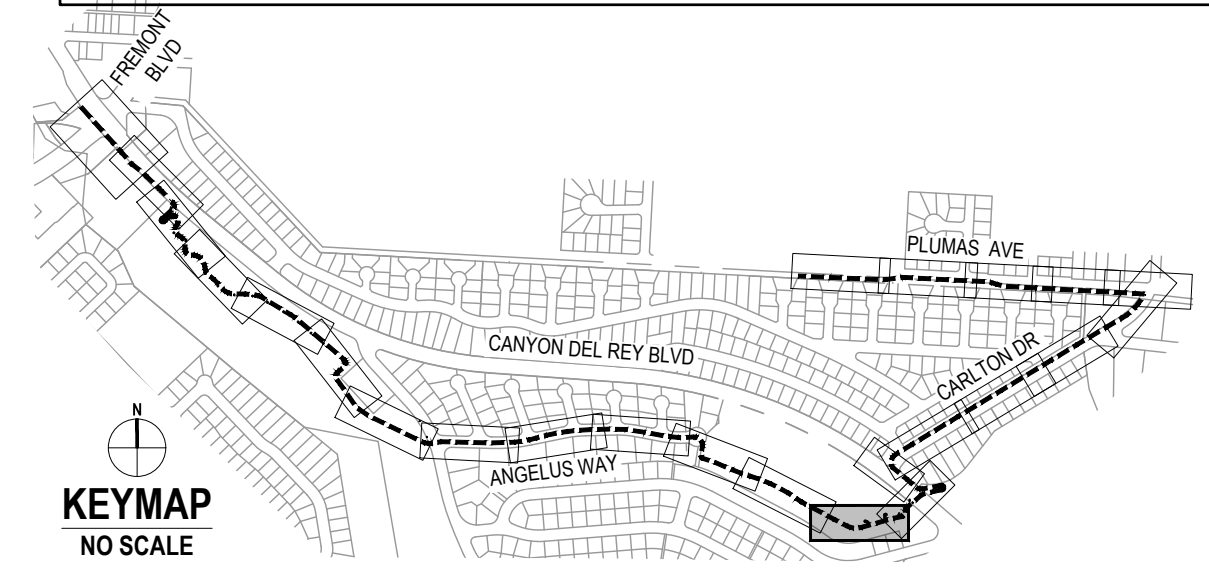


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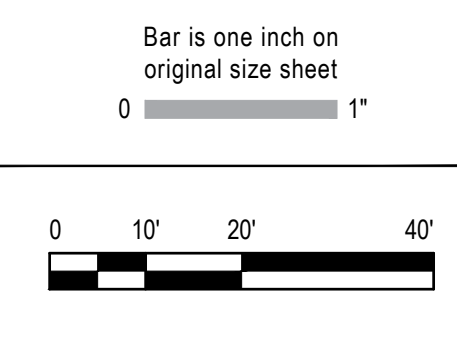


LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



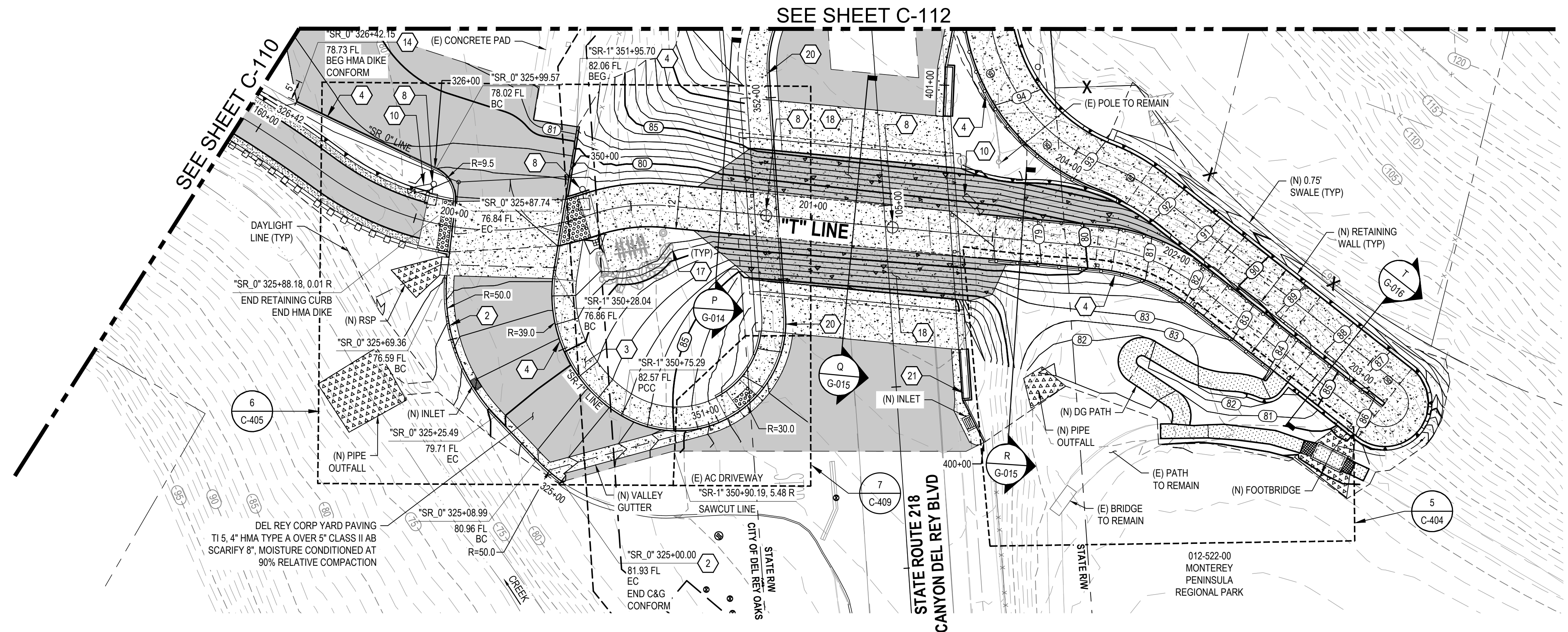
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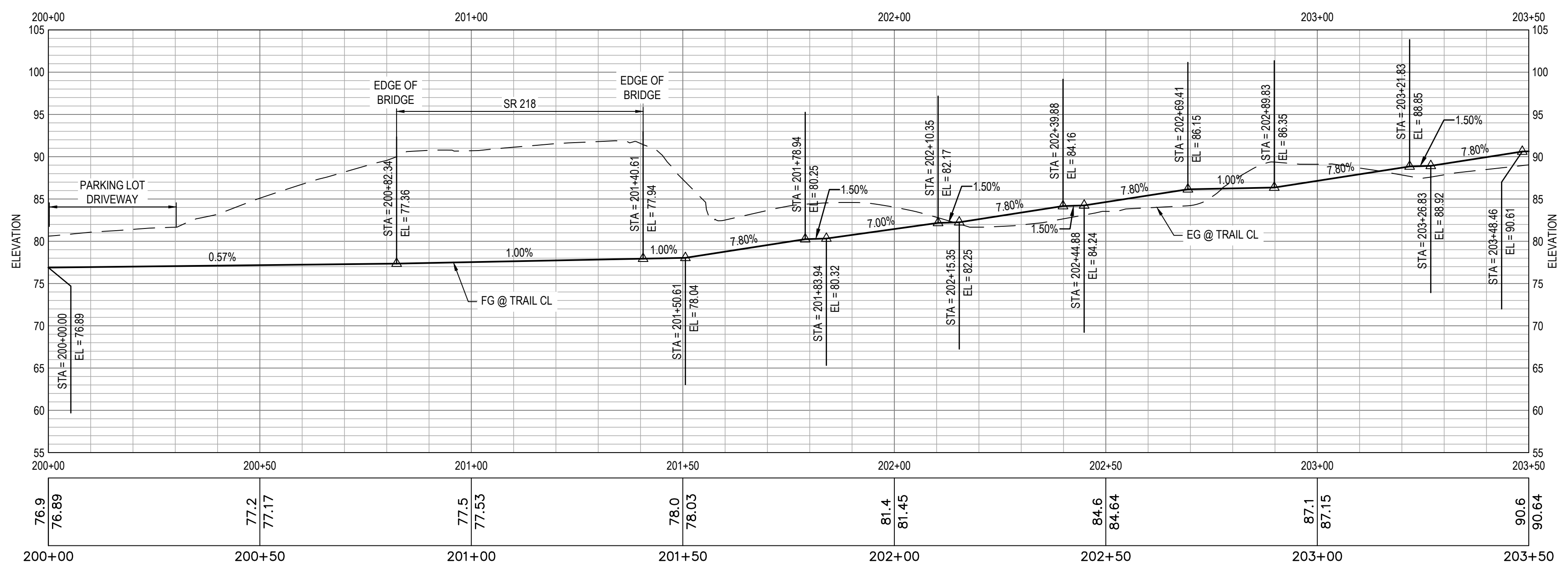
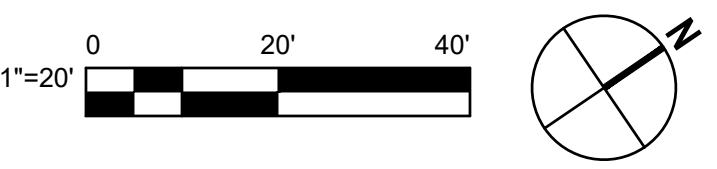
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	IMPROVEMENT PLAN AND PROFILE-9
Size	ANSI D
Status Code	
Sheet No.	C-110
Sheet	40 of 195

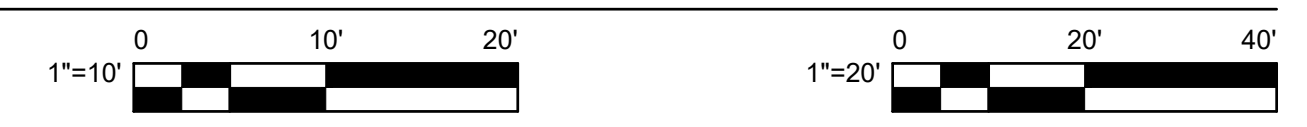


1 IMPROVEMENT PLAN

NOTE: THIS PLAN FOCUSES ON TRAIL BELOW THE HIGHWAY



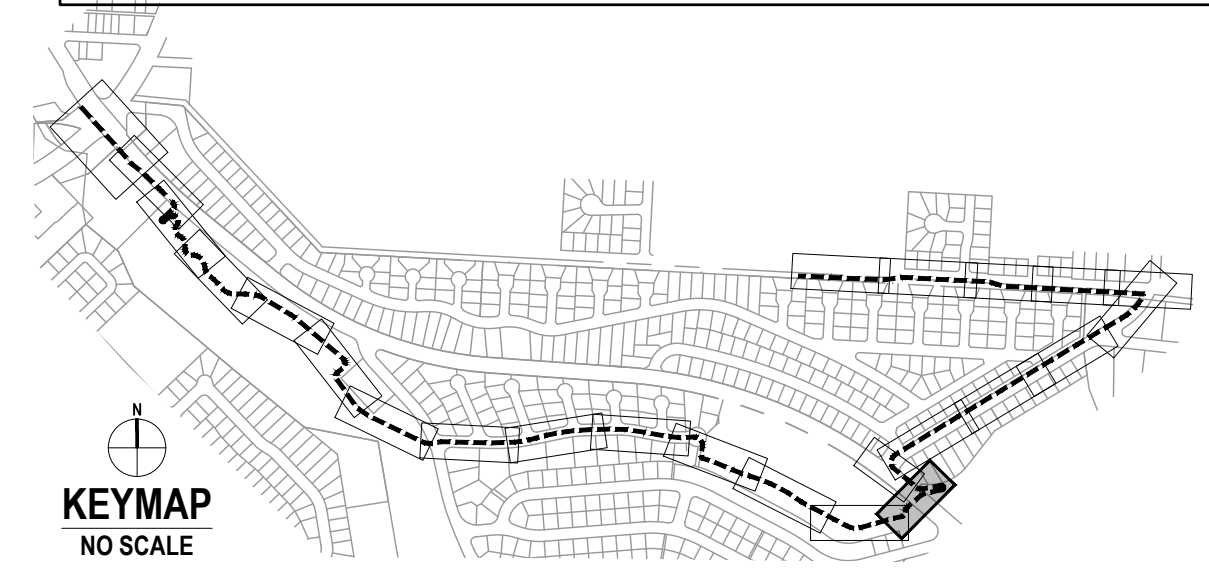
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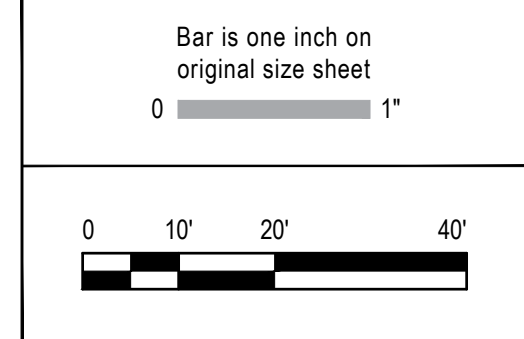
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 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB AND GUTTER, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
 - TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
 - INSTALL 6' TALL CHAINLINK FENCE.
 - INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
 - HMA DIKE, CALTRANS TYPE A.
 - BIORETENTION AREA PER DETAIL ON SW-501.
 - RETAINING CURB PER DETAIL ON C-501.
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 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
 - CONCRETE CHECK DAM PER DETAIL ON C-501.
 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
 - CURB AND GUTTER, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

- LEGEND**
- | | | | |
|--|---|--|---|
| | MINOR CONCRETE | | AGGREGATE BASE (CLASS II) |
| | HOT MIX ASPHALT | | DETECTABLE WARNING SURFACE |
| | STAMPED MINOR CONCRETE PATTERN
SEE LANDSCAPE PLANS | | ROCK SLOPE PROTECTION
SEE DRAINAGE PLANS |
| | SLURRY SEAL | | DECOMPOSED GRANITE |
| | GUARDRAIL WITH PICKETS
PER DETAIL 2, SHEET S-503 | | RETAINING WALL |
| | 3-RAIL GUARDRAIL PER
DETAIL 1, SHEET S-503 | | CHAIN LINK FENCE |
| | | | GRADING LIMITS |
| | | | WOOD FENCE |



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

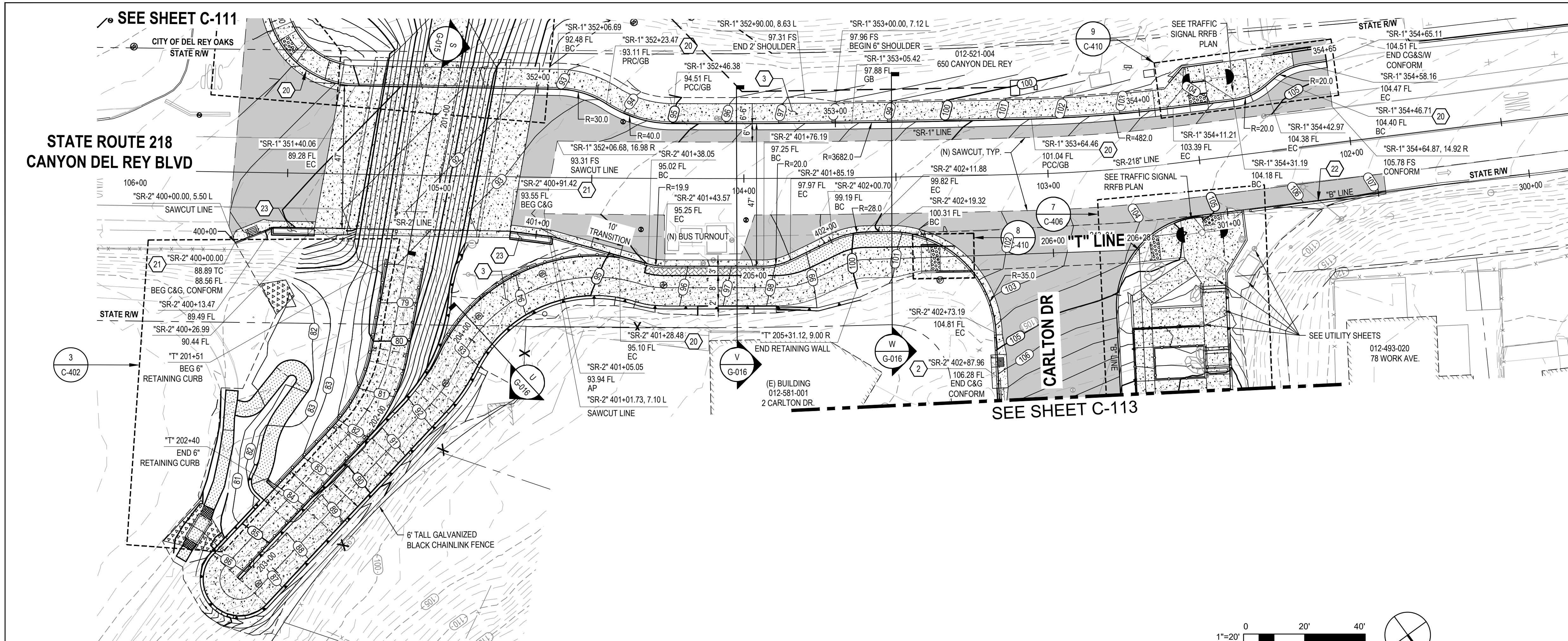
Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

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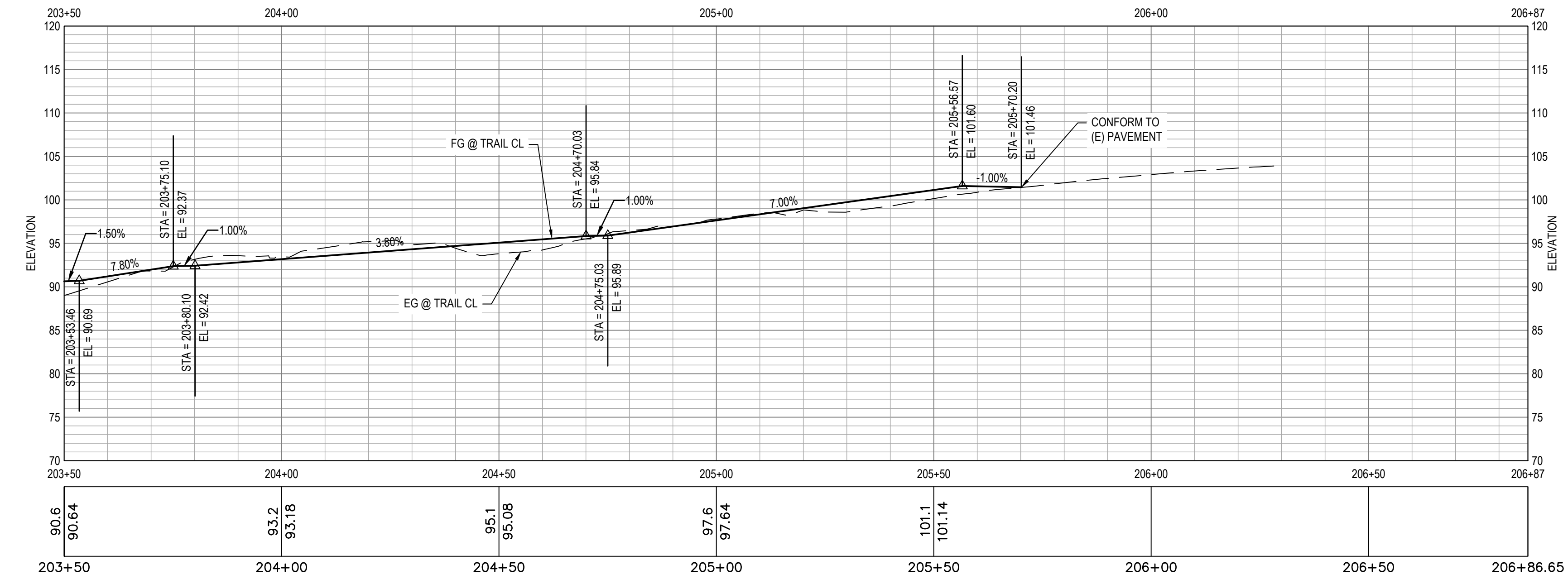
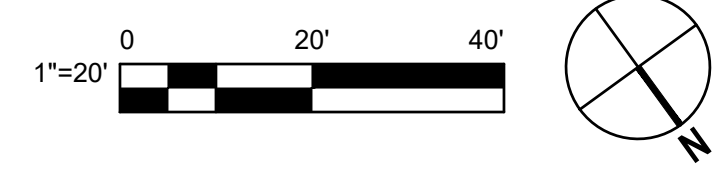
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Sheet No. **C-111** Sheet **41 of 195**

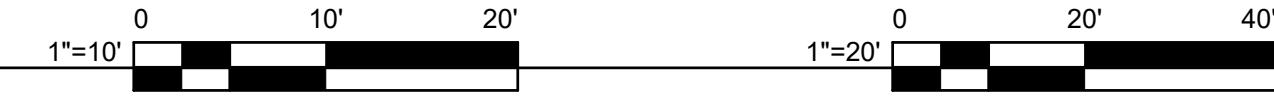


1 IMPROVEMENT PLAN

NOTE: THIS PLAN FOCUSES ON THE HIGHWAY ABOVE THE TRAIL



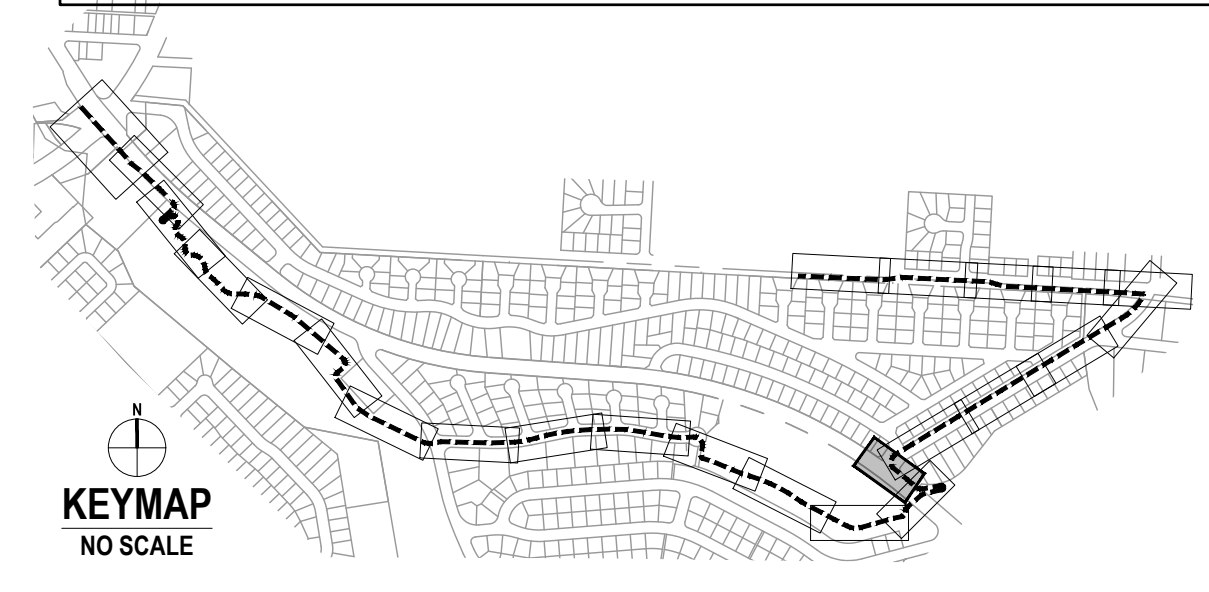
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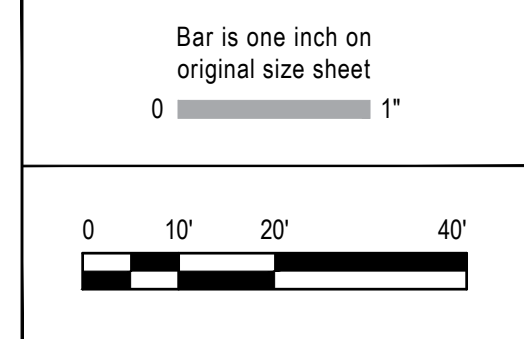
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 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
 - TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN
 - INSTALL 6' TALL CHAINLINK FENCE
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 - CURB AND GUTTER, CALTRANS TYPE B2-4
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LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
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No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



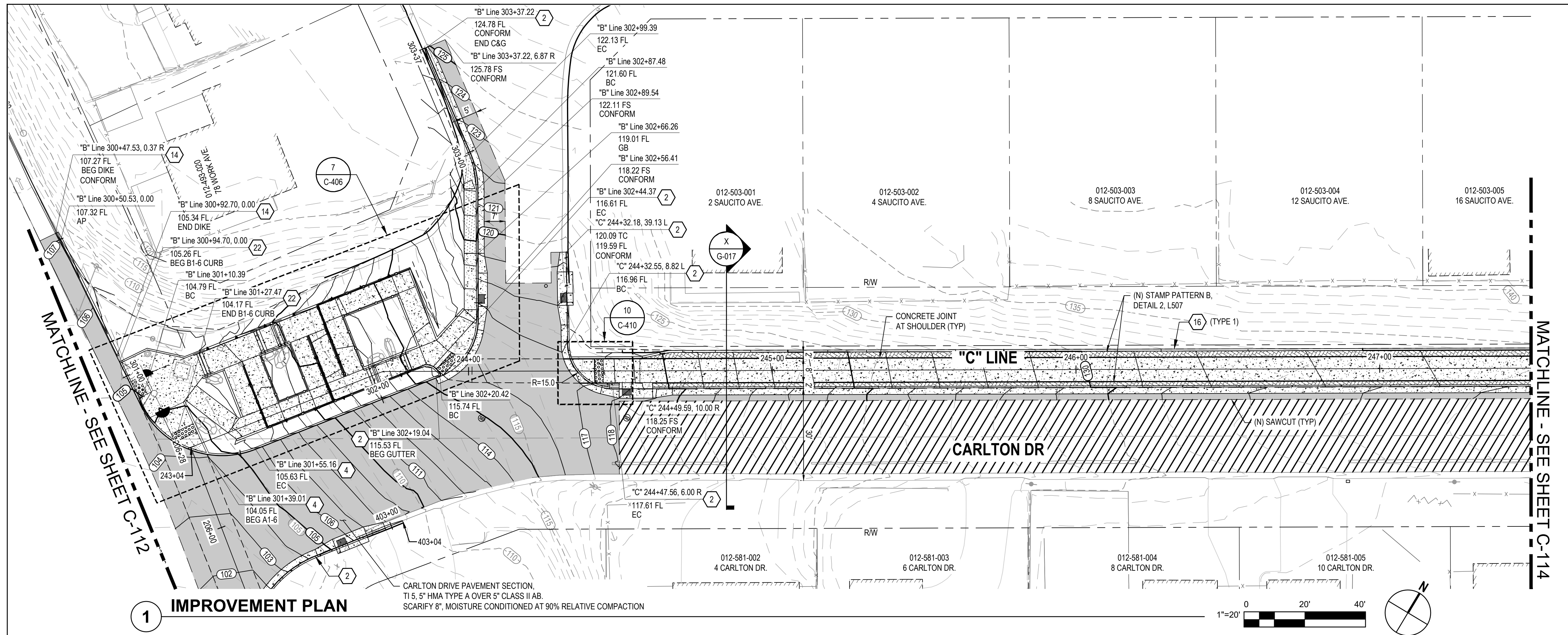
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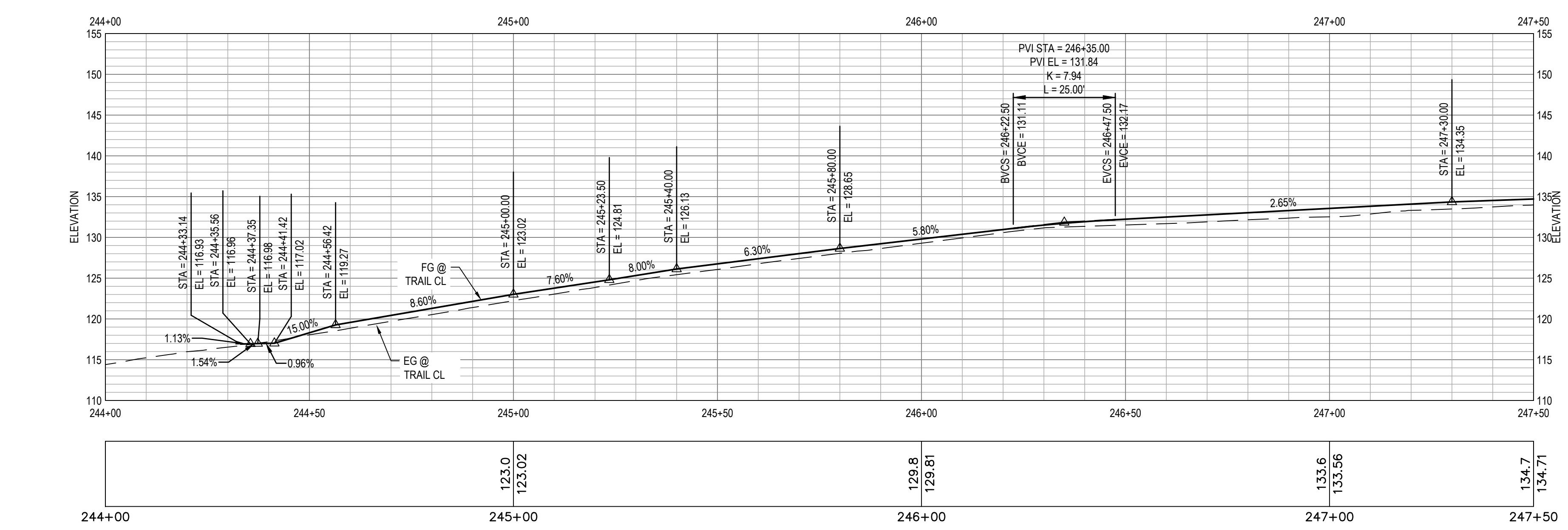


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	1120281
Date	December 1, 2023
Scale	AS SHOWN

Title	IMPROVEMENT PLAN AND PROFILE-11
Size	ANSI D
Status Code	
Sheet No.	C-112
Sheet	42 of 195



1 IMPROVEMENT PLAN



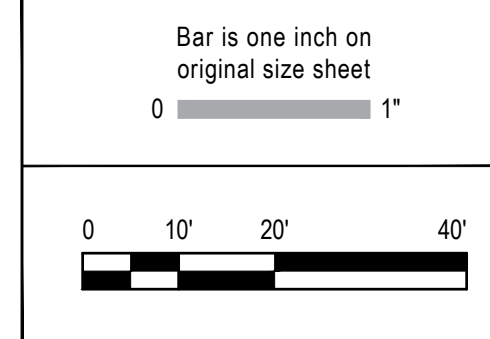
2 PROFILE

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 - CURB, CALTRANS TYPE A1-4.
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 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
 - CONCRETE CHECK DAM PER DETAIL ON C-501.
 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
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 - CURB, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

- ### LEGEND
- | | | | |
|--|--|--|--|
| | MINOR CONCRETE | | AGGREGATE BASE (CLASS II) |
| | HOT MIX ASPHALT | | DETECTABLE WARNING SURFACE |
| | STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS | | ROCK SLOPE PROTECTION SEE DRAINAGE PLANS |
| | SLURRY SEAL | | DECOMPOSED GRANITE |
| | GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503 | | RETAINING WALL |
| | 3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503 | | CHAIN LINK FENCE |
| | | | GRADING LIMITS |
| | | | WOOD FENCE |



No.	Issue	Author	EM	Checked	SG	Approved	L. VAN PARYS	Date
	Designer	CO		Design Check	SG	Project Director	K. VEDULA	



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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title IMPROVEMENT PLAN AND PROFILE-12
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size
ANSI D

Status Code

Sheet No.
C-113

Sheet
43 of 195

SHEET GENERAL NOTES

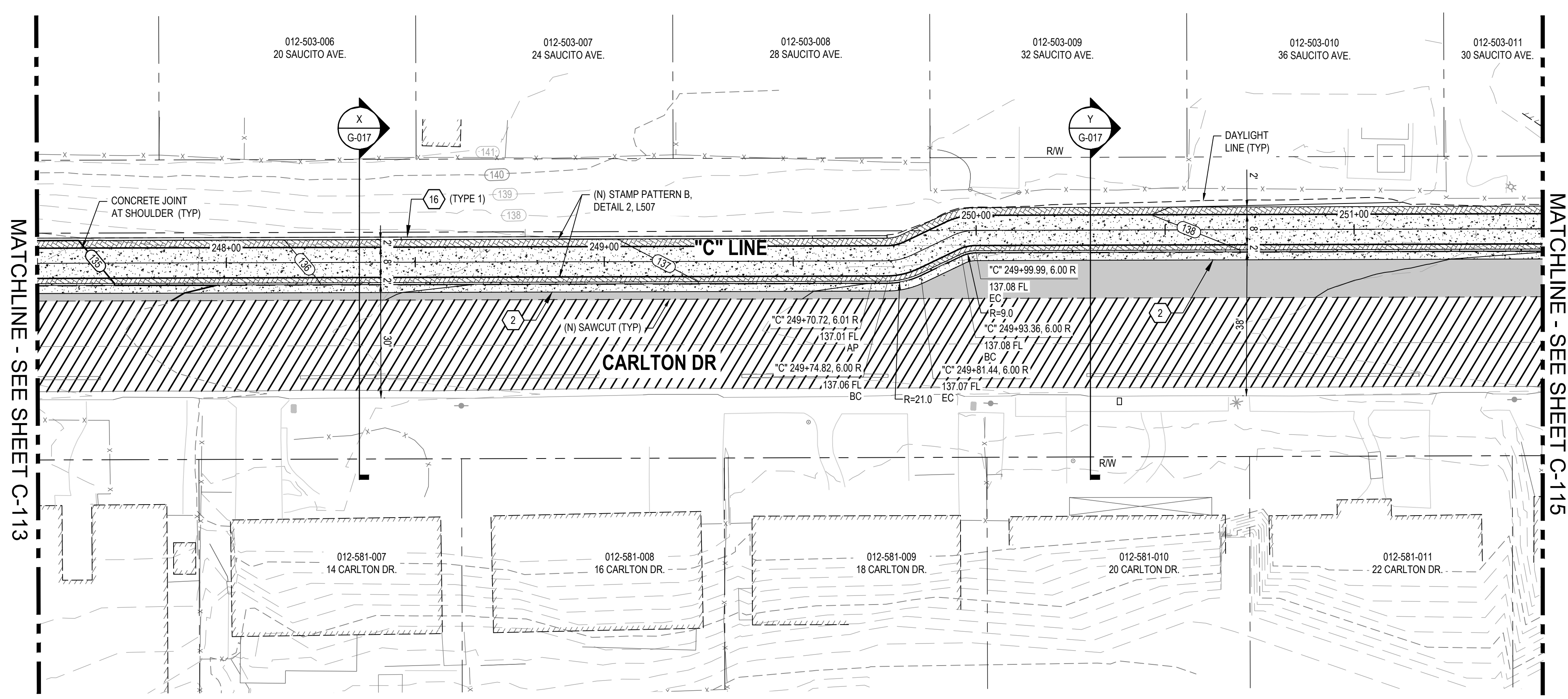
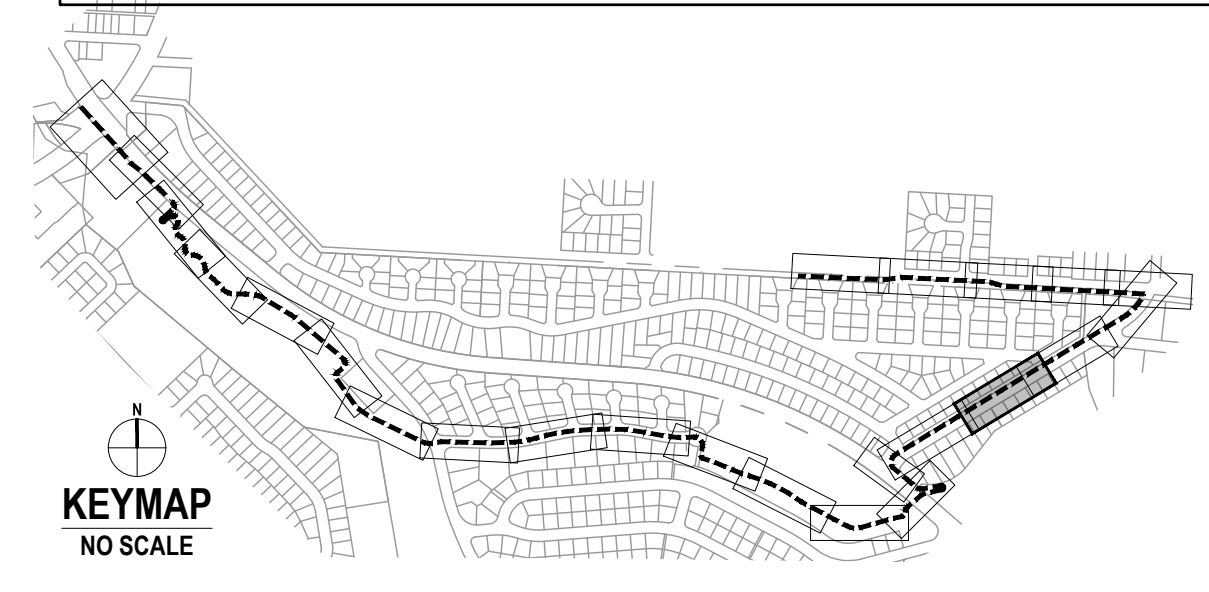
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- FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
- FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
- FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
- FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
- SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
- CONTRACTOR SHALL REPLACE ALL DISTURBED AREAS IN-KIND.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
- FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

SHEET KEYNOTES

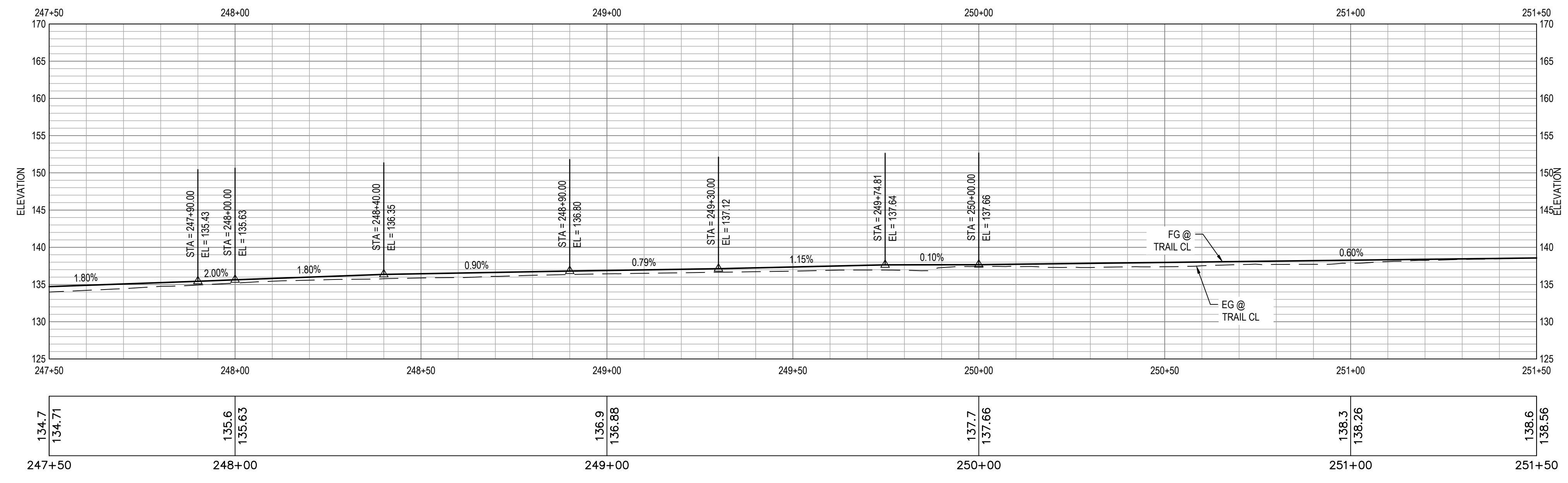
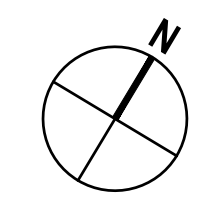
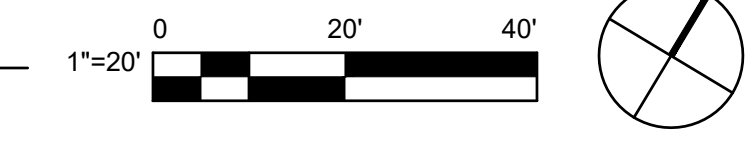
- RAISE UTILITY TO FINISH GRADE.
- CURB AND GUTTER, CALTRANS TYPE A2-6.
- MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
- CURB, CALTRANS TYPE A1-6.
- CURB AND GUTTER, CALTRANS TYPE E.
- CURB, CALTRANS TYPE D.
- NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
- RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
- NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
- INSTALL 6' TALL CHAINLINK FENCE
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LEGEND

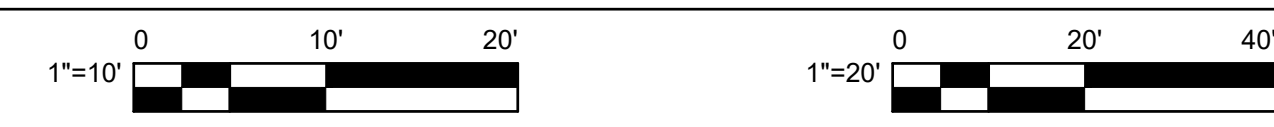
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	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



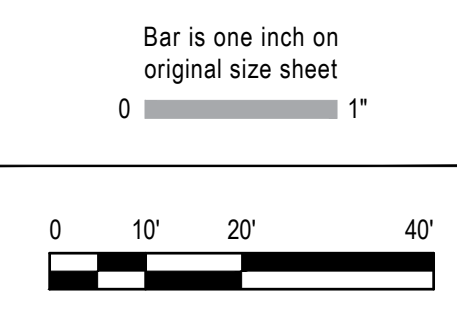
1 IMPROVEMENT PLAN



2 PROFILE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



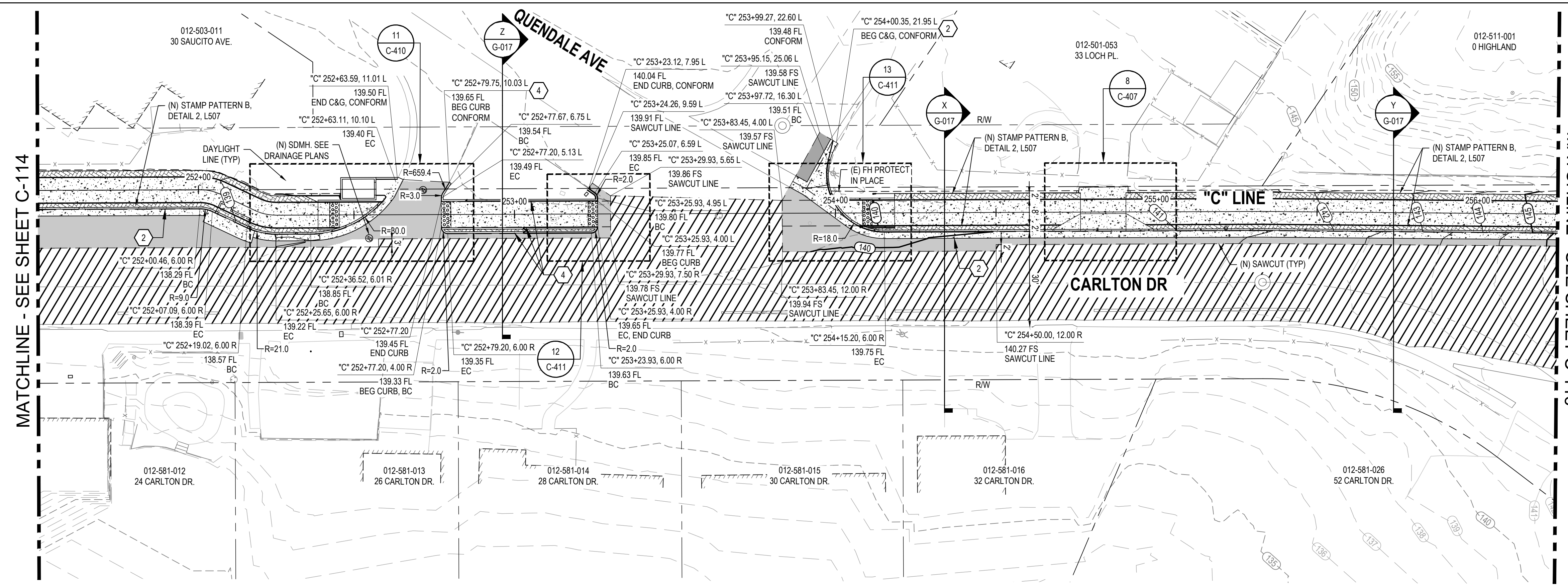
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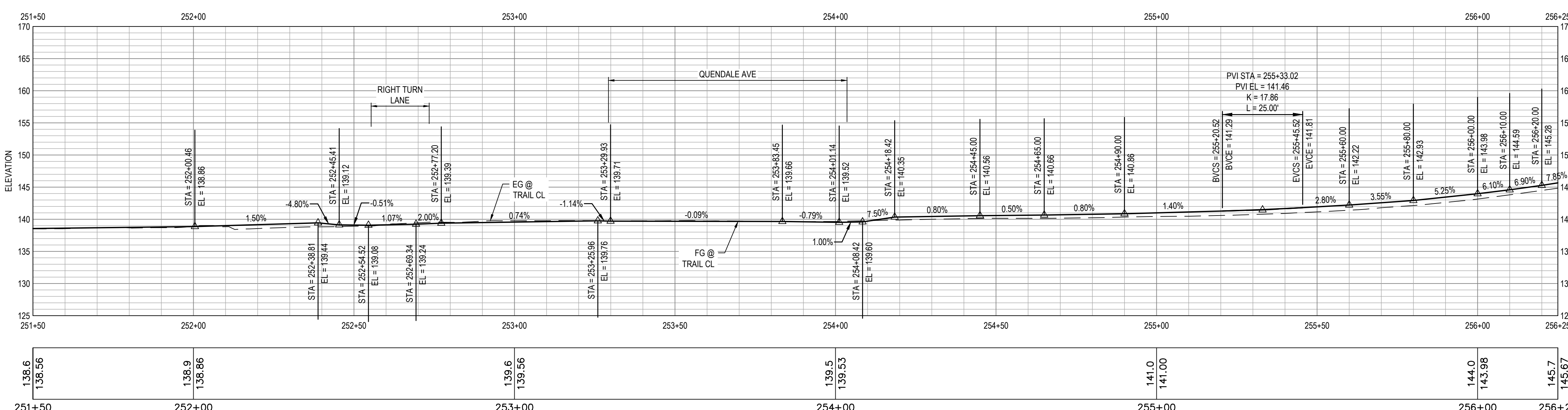


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	IMPROVEMENT PLAN AND PROFILE-13
Size	ANSI D
Status Code	
Sheet No.	C-114
Sheet	44 of 195



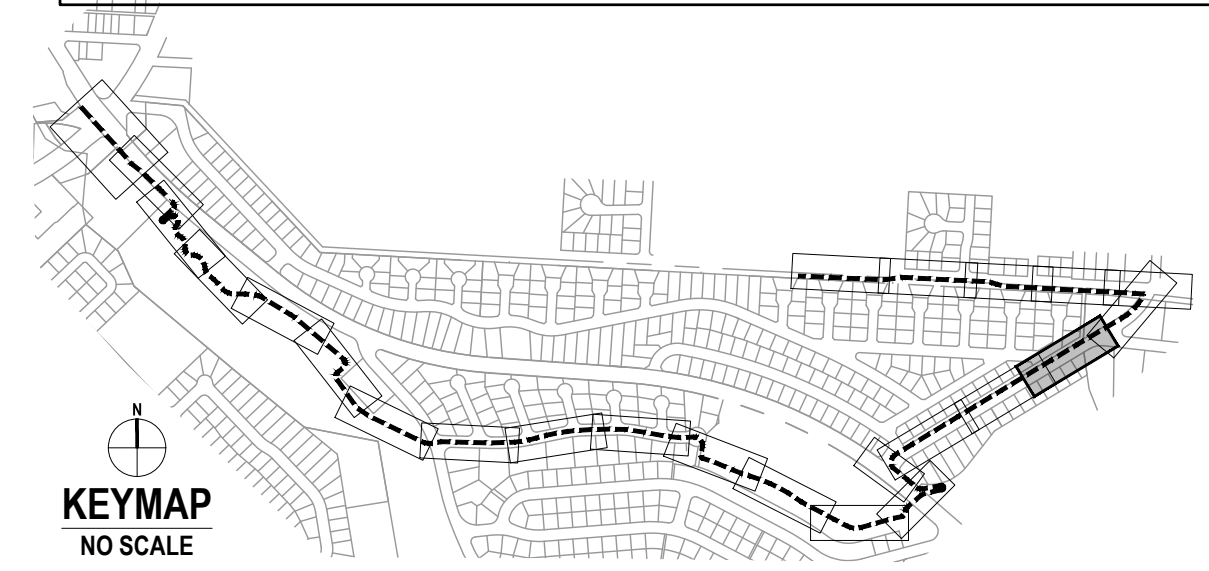
1 IMPROVEMENT PLAN



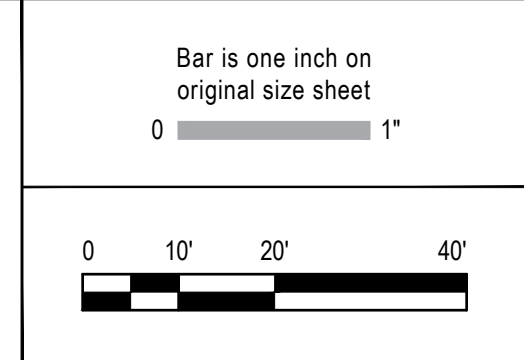
2 PROFILE

- ### SHEET GENERAL NOTES
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 - FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
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- RAISE UTILITY TO FINISH GRADE.
 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
 - TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
 - INSTALL 6' TALL CHAINLINK FENCE.
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 - HMA DIKE, CALTRANS TYPE A.
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 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
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 - CURB AND GUTTER, CALTRANS TYPE B2-4.
 - CURB, CALTRANS TYPE B1-6.
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- ### LEGEND
- | | | | |
|--|---|--|---|
| | MINOR CONCRETE | | AGGREGATE BASE (CLASS II) |
| | HOT MIX ASPHALT | | DETECTABLE WARNING SURFACE |
| | STAMPED MINOR CONCRETE PATTERN
SEE LANDSCAPE PLANS | | ROCK SLOPE PROTECTION
SEE DRAINAGE PLANS |
| | SLURRY SEAL | | DECOMPOSED GRANITE |
| | GUARDRAIL WITH PICKETS
PER DETAIL 2, SHEET S-503 | | RETAINING WALL |
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DETAIL 1, SHEET S-503 | | CHAIN LINK FENCE |
| | | | GRADING LIMITS |
| | | | WOOD FENCE |



No. Issue	Checked	Approved	Date
Author EM	Drafting Check SG	Project Manager L. VAN PARYS	
Designer CO	Design Check SG	Project Director K. VEDULA	



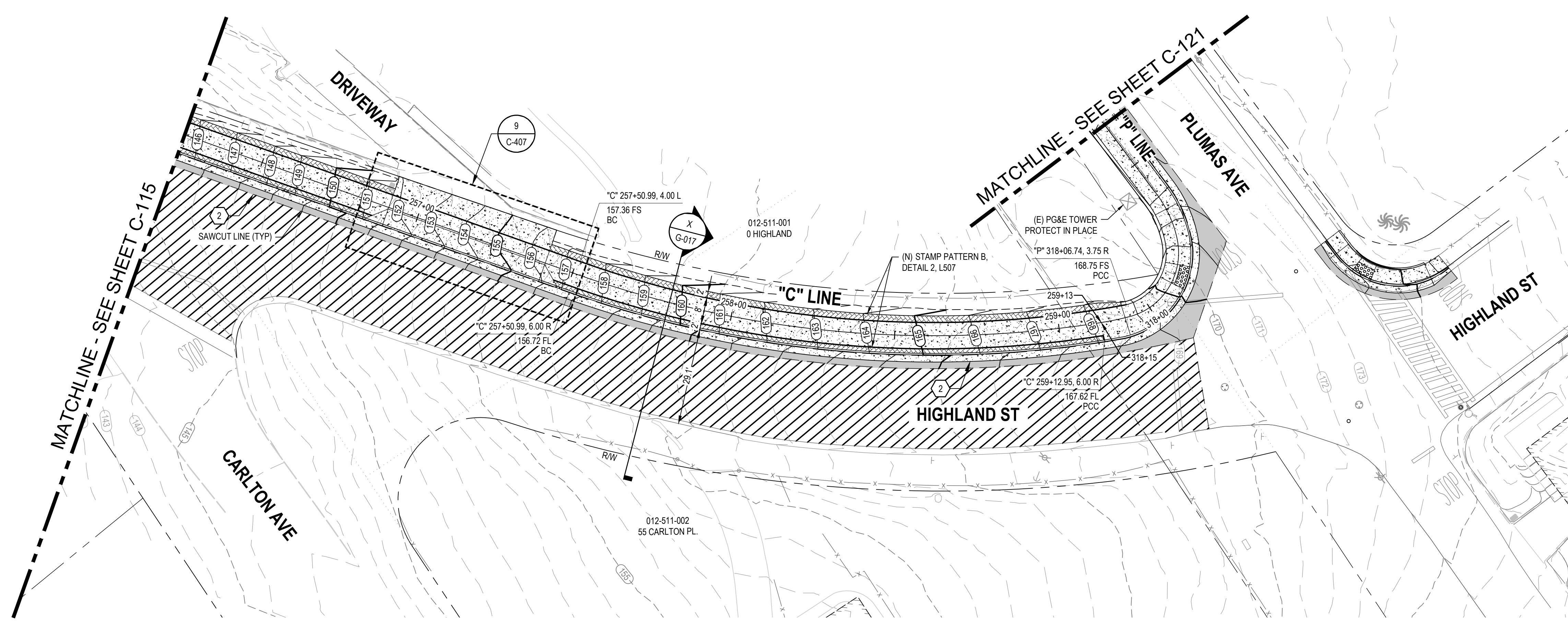
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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title IMPROVEMENT PLAN AND PROFILE-14
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

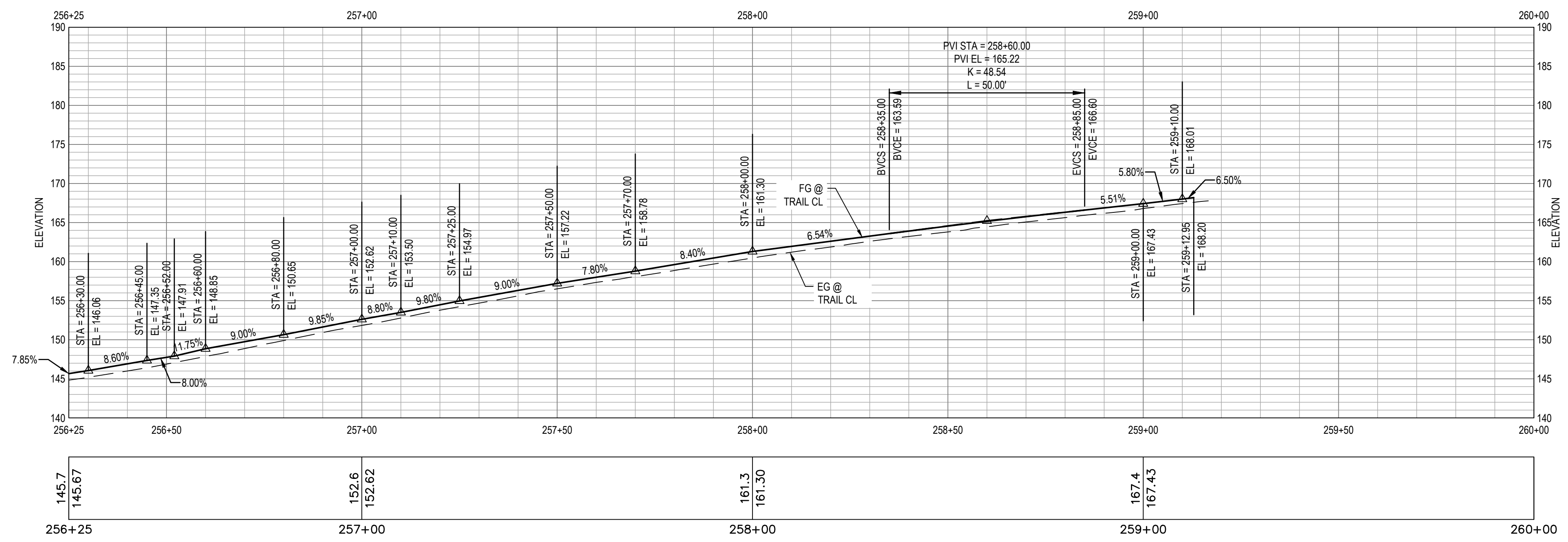
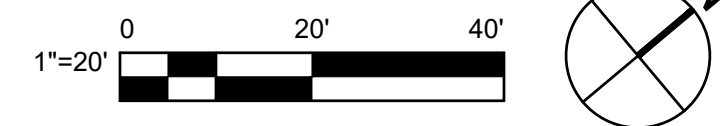
Size ANSI D	Status Code
Sheet No. C-115	Sheet 45 of 195



- ### SHEET GENERAL NOTES
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 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
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 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
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 - CURB, CALTRANS TYPE B1-6.
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1 IMPROVEMENT PLAN

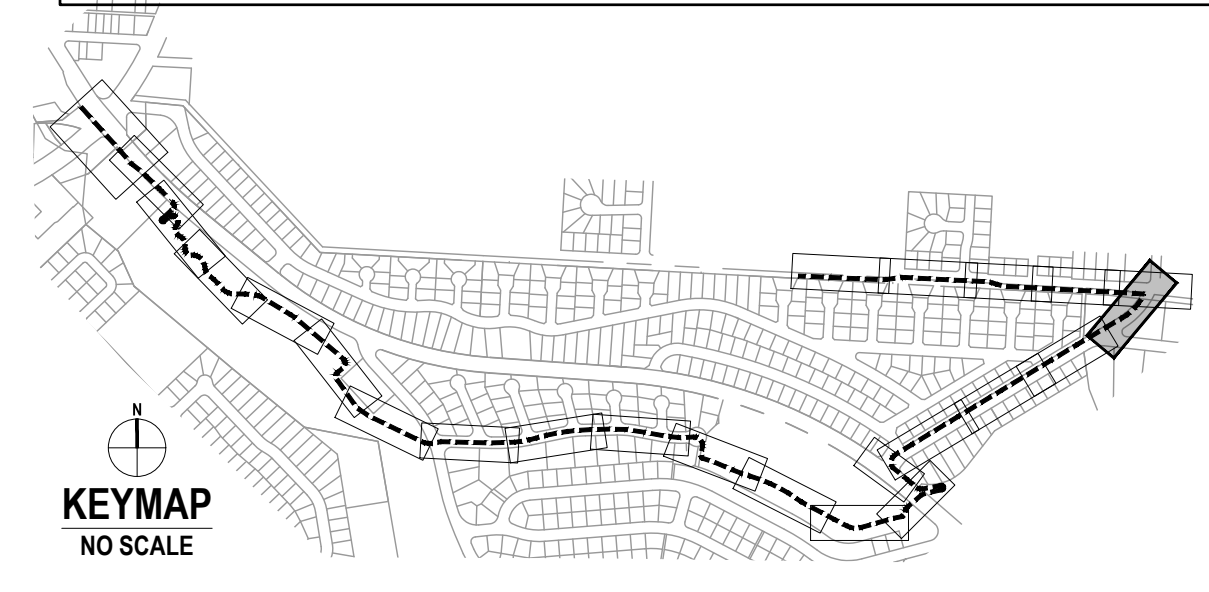


2 PROFILE

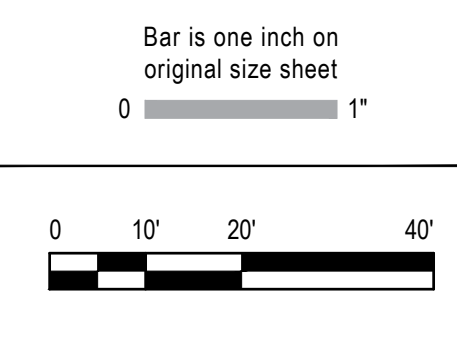


LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
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			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



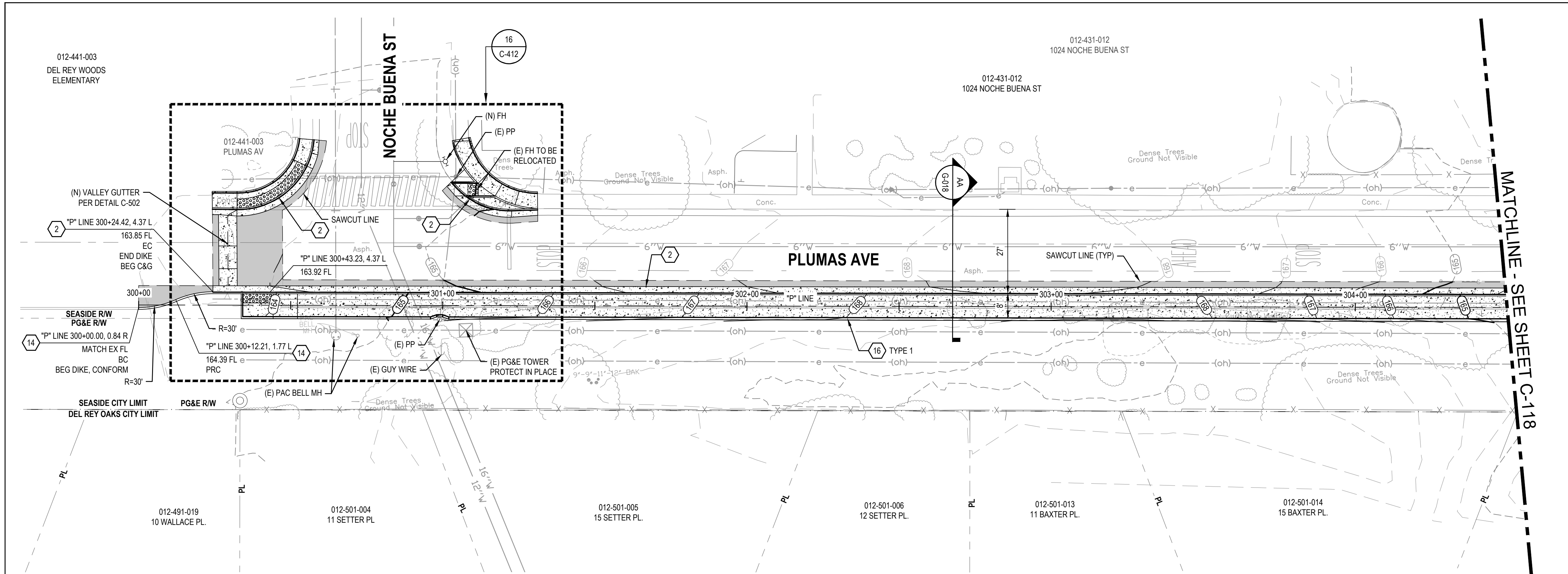
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

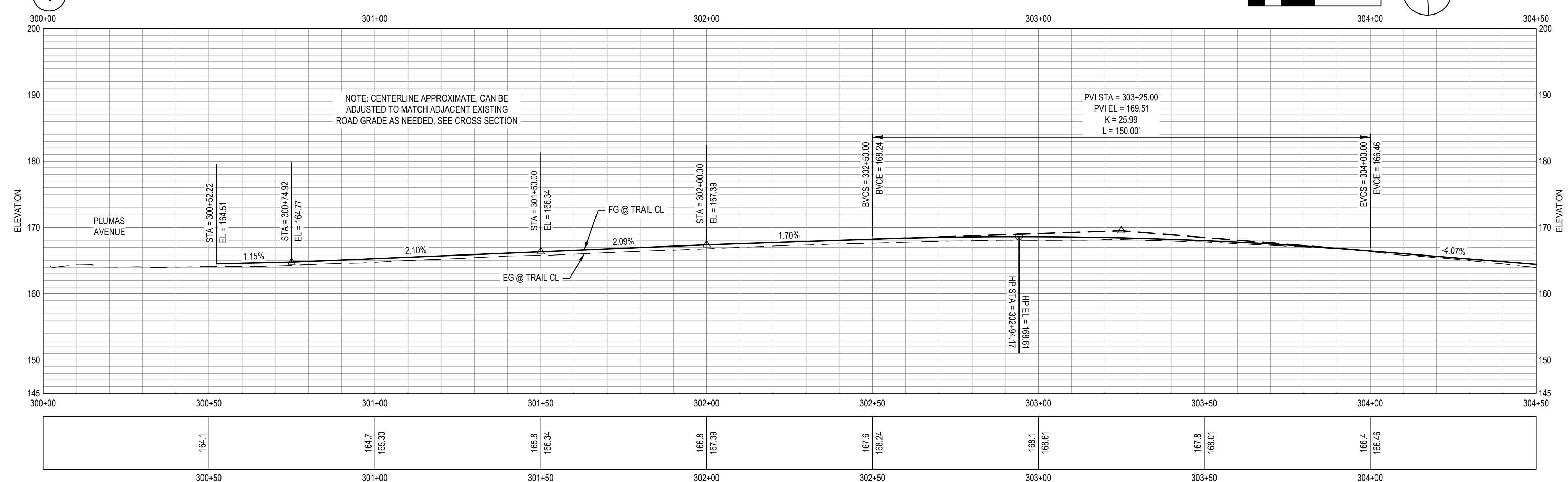
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Size	ANSI D
Status Code	
Sheet No.	C-116
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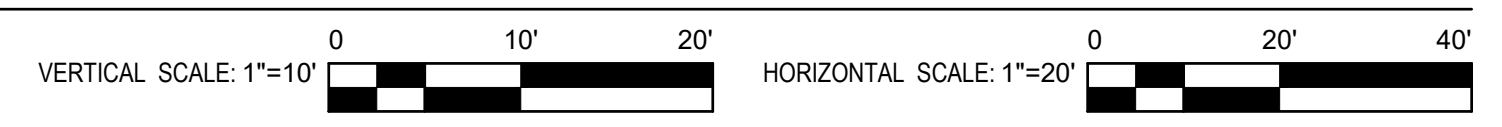
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 - CURB, CALTRANS TYPE A1-4.
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 - CURB, CALTRANS TYPE D.
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1 IMPROVEMENT PLAN

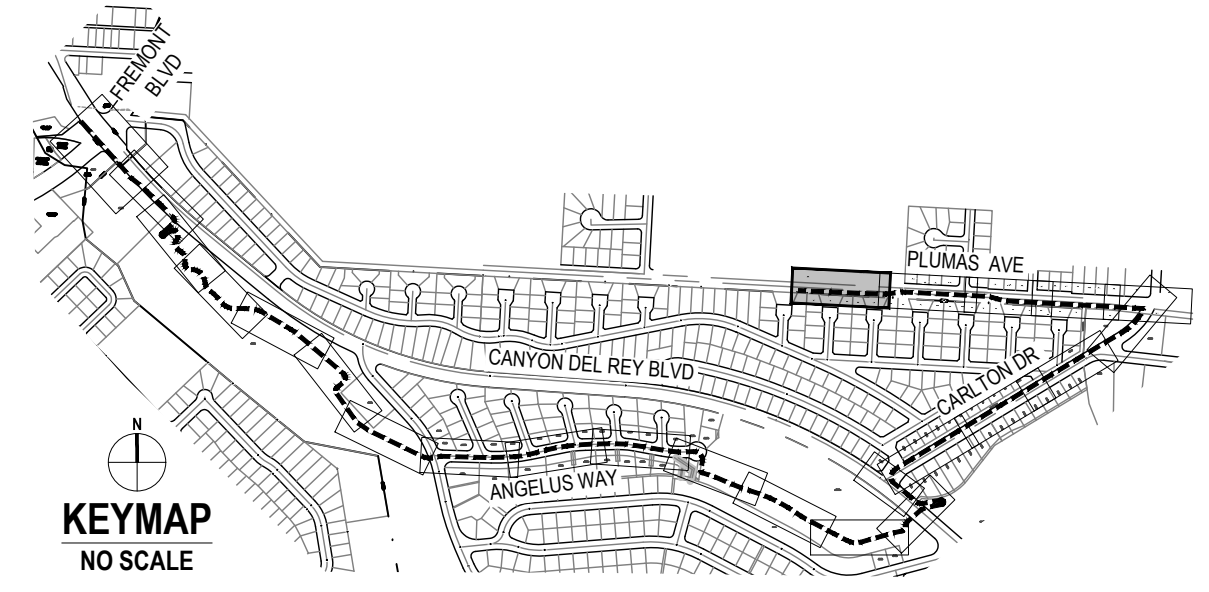


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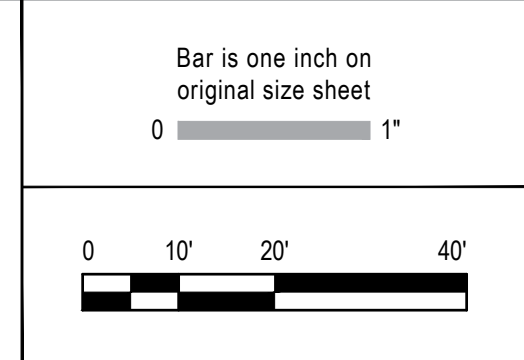


LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
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			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



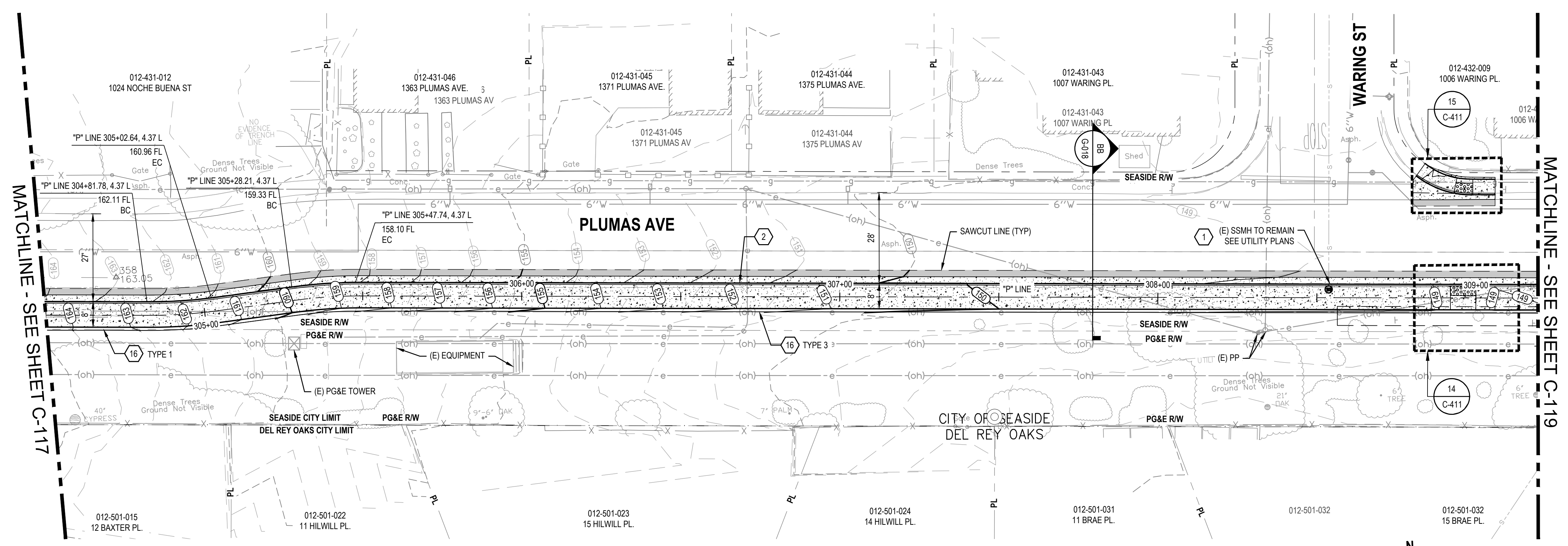
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

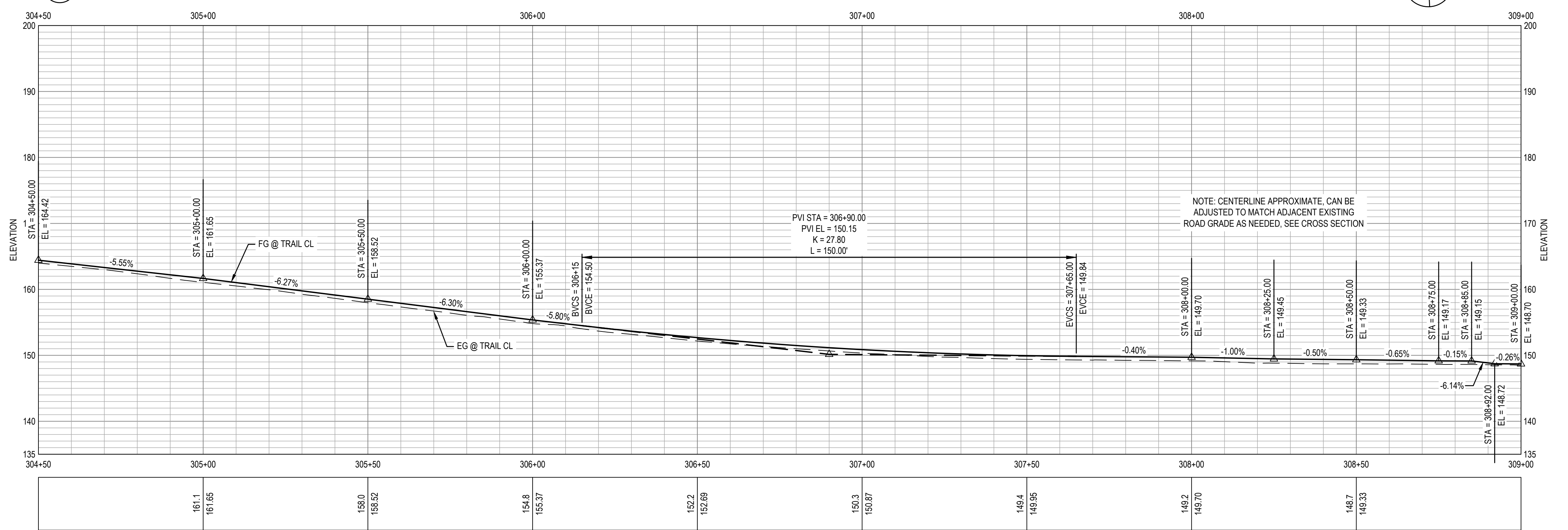
Title	IMPROVEMENT PLAN AND PROFILE-16
Size	ANSI D
Status Code	
Sheet No.	C-117
Sheet	47 of 195



- ### SHEET GENERAL NOTES
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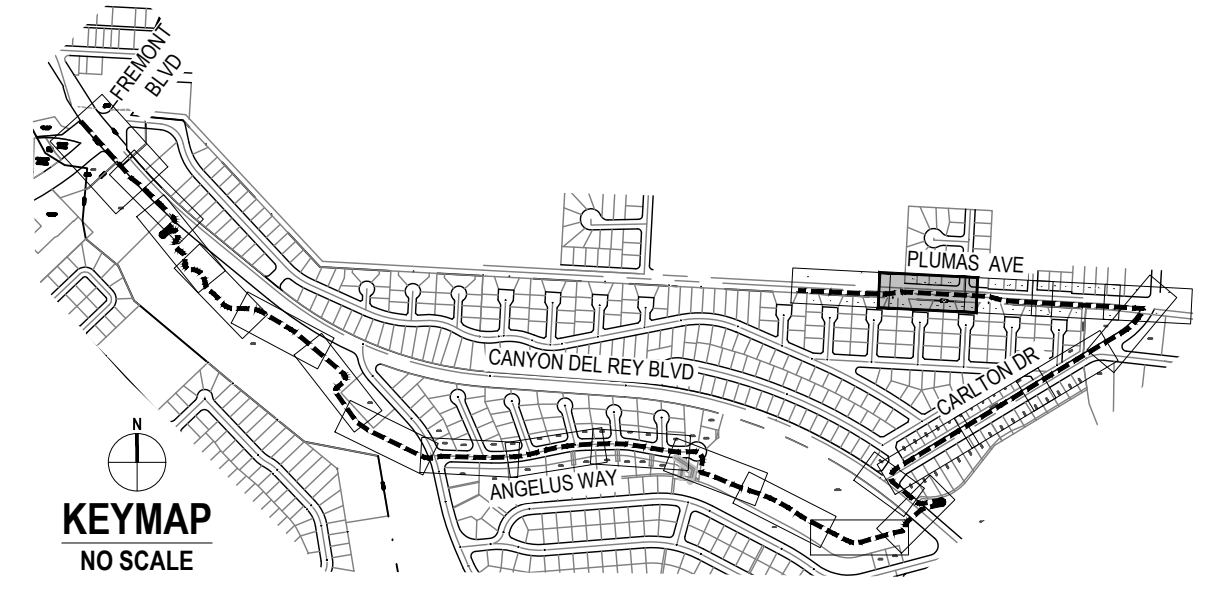
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 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

1 IMPROVEMENT PLAN

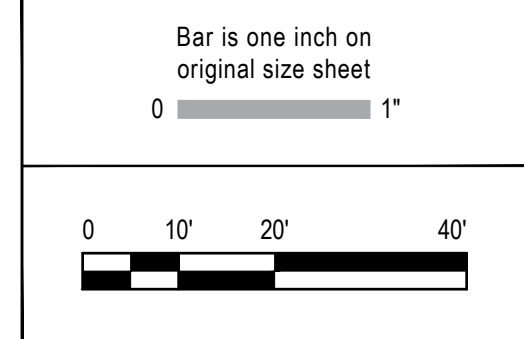


2 PROFILE

- ### LEGEND
- MINOR CONCRETE
 - HOT MIX ASPHALT
 - STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS
 - SLURRY SEAL
 - AGGREGATE BASE (CLASS II)
 - DETECTABLE WARNING SURFACE
 - ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
 - DECOMPOSED GRANITE
 - GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503
 - 3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503
 - RETAINING WALL
 - CHAIN LINK FENCE
 - GRADING LIMITS
 - WOOD FENCE



No.	Issue	Author	EM	Checked	SG	Approved	L. VAN PARYS	Date



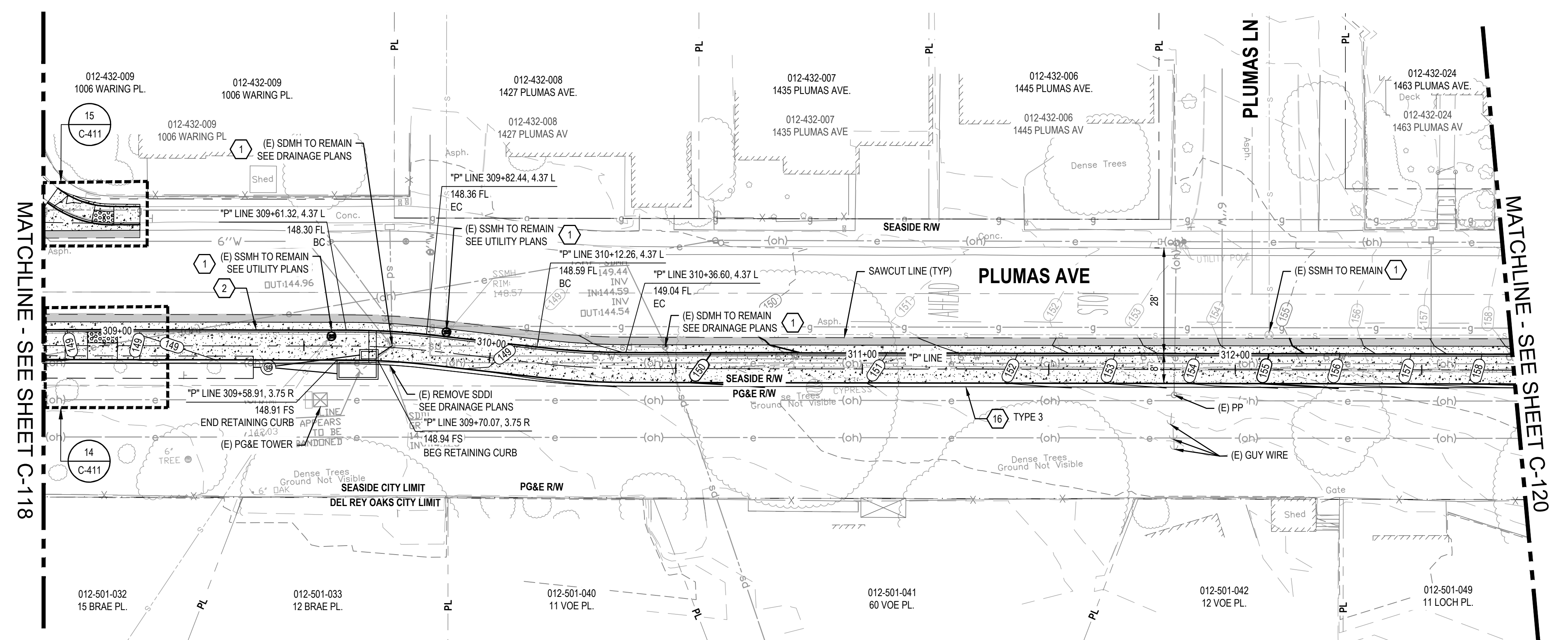
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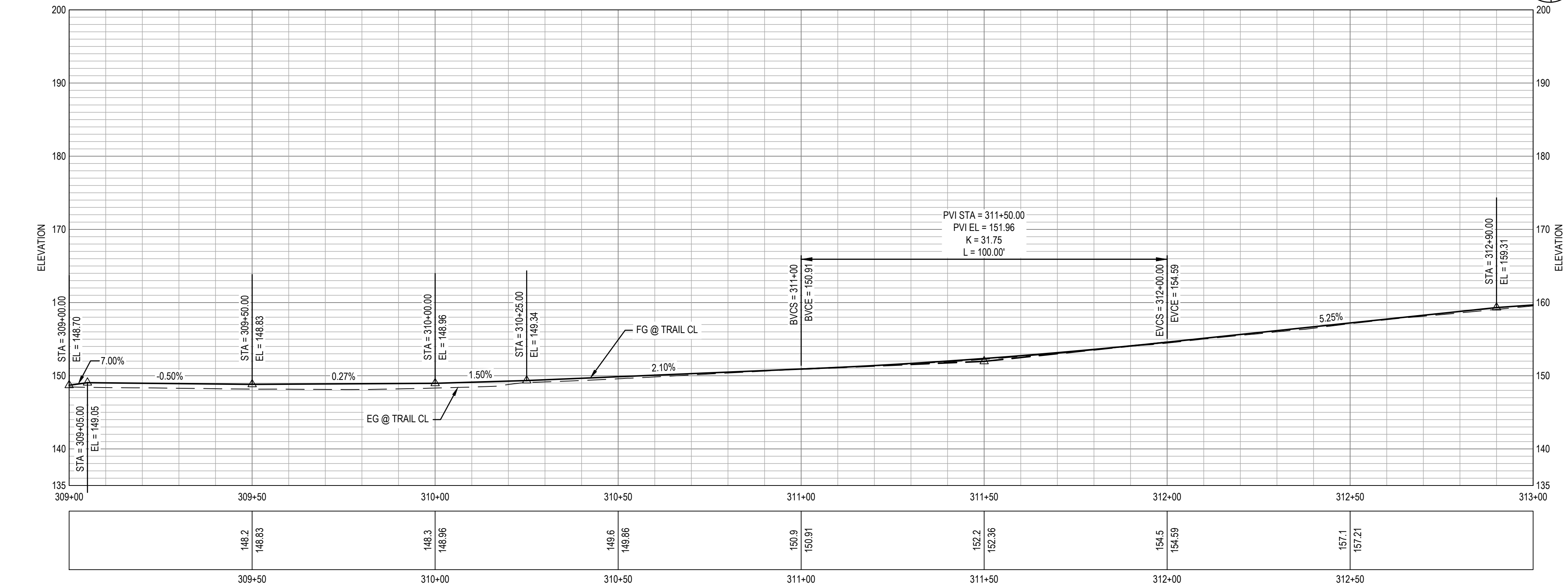


Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title IMPROVEMENT PLAN AND PROFILE-17
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size ANSI D	Status Code
Sheet No. C-118	Sheet 48 of 195



1 IMPROVEMENT PLAN



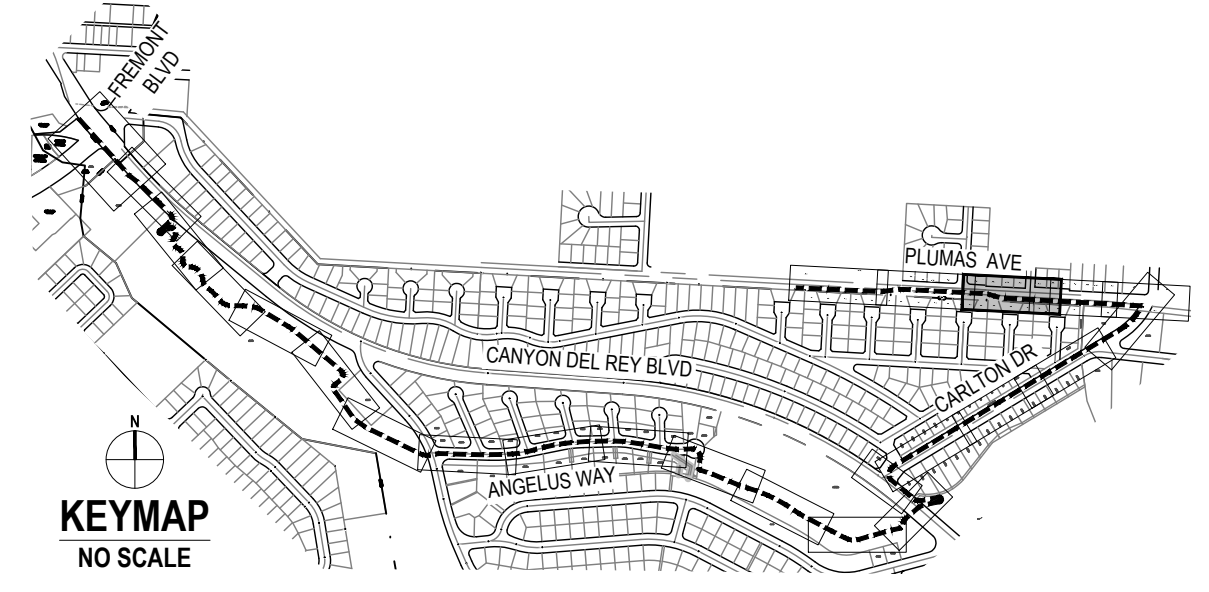
2 PROFILE

- ### SHEET GENERAL NOTES
- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND DEPICT UTILITY LOCATIONS AT BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO ANY UNDERGROUND WORK.
 - FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
 - FOR RETAINING WALL AND UNDER CROSSING DETAILS. SEE STRUCTURAL PLANS.
 - FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
 - FOR UNDERGROUND UTILITIES. SEE UTILITY PLANS.
 - SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
 - CONTRACTOR SHALL REPLACE ALL DISTURBED AREAS IN-KIND.
 - CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS THE TRAIL TO AVOID LOCALIZED PONDING ADJACENT TO THE TRAIL.
 - FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

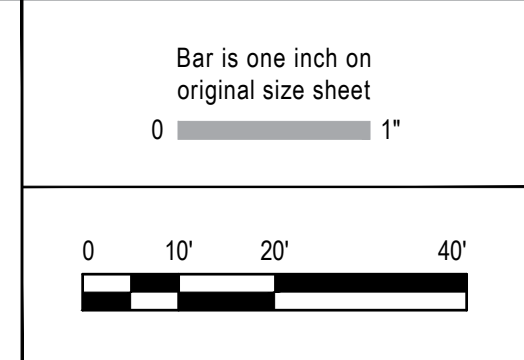
- ### SHEET KEYNOTES
- RAISE UTILITY TO FINISH GRADE.
 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
 - TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
 - INSTALL 6' TALL CHAINLINK FENCE.
 - INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
 - HMA DIKE, CALTRANS TYPE A.
 - BIORETENTION AREA PER DETAIL ON SW-501.
 - RETAINING CURB PER DETAIL ON C-501.
 - FOR BOULDERS, BENCHES, BIKE RACKS ETC. SEE LANDSCAPE AMENITIES PLAN.
 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
 - CONCRETE CHECK DAM PER DETAIL ON C-501.
 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
 - CURB AND GUTTER, CALTRANS TYPE B2-4.
 - CURB, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



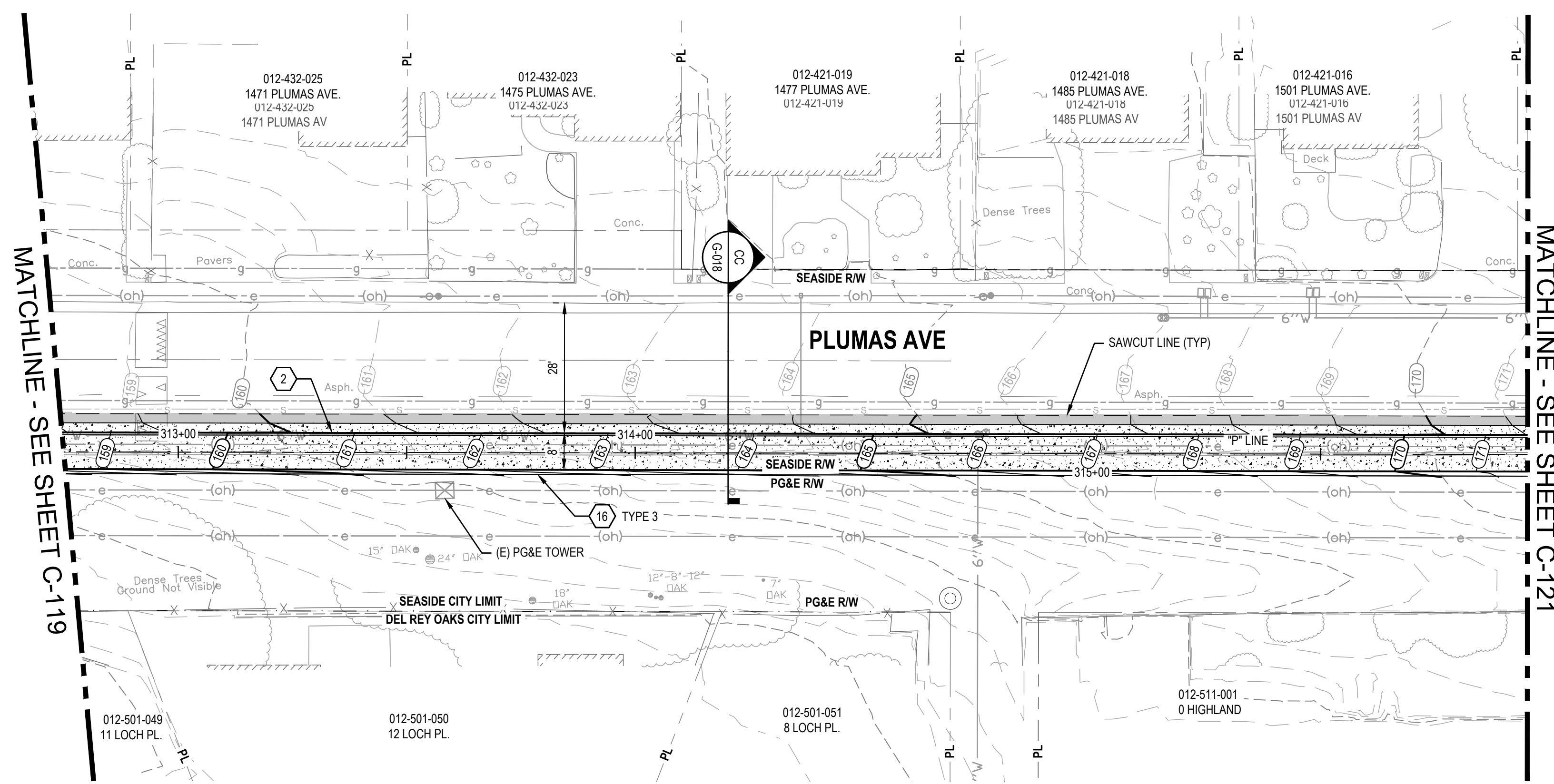
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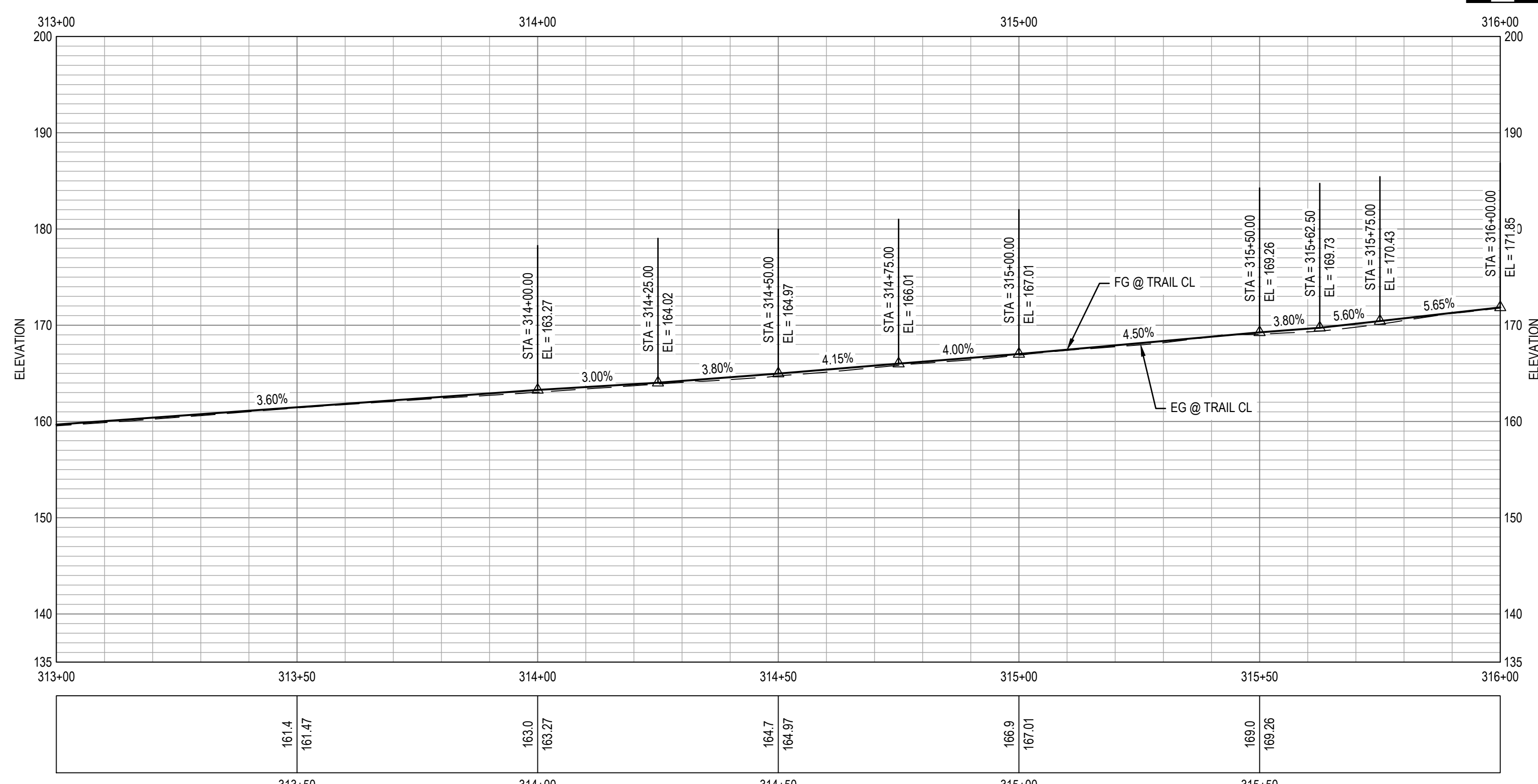


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	IMPROVEMENT PLAN AND PROFILE-18
Size	ANSI D
Status Code	
Sheet No.	C-119
Sheet	49 of 195



1 IMPROVEMENT PLAN



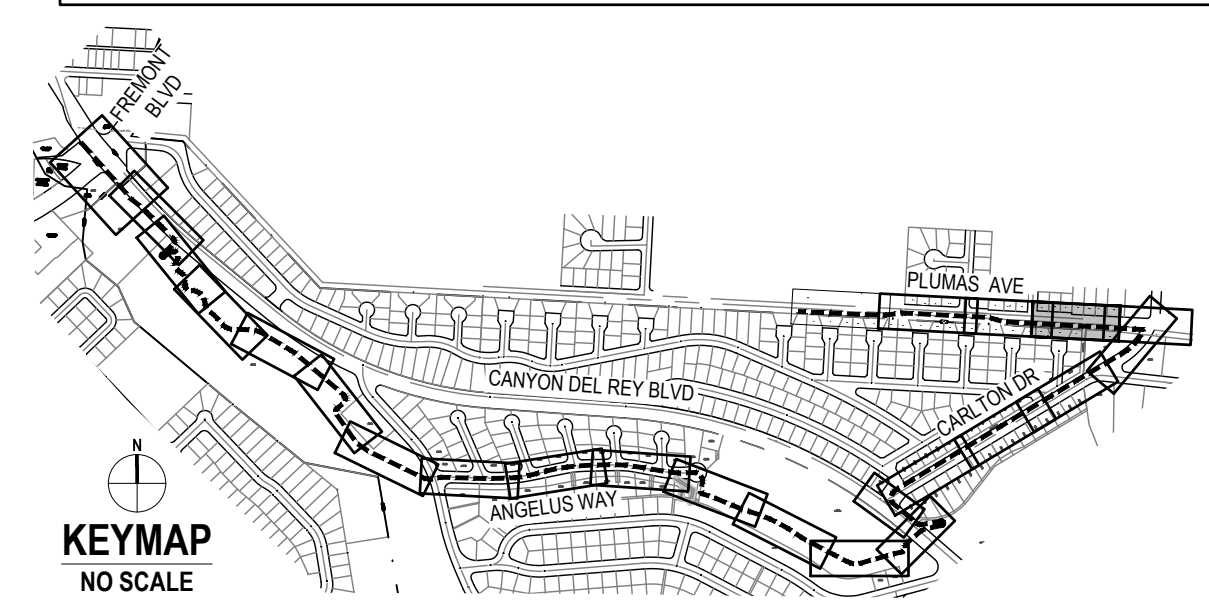
2 PROFILE

- ### SHEET GENERAL NOTES
- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND DEPICT UTILITY LOCATIONS AT BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO ANY UNDERGROUND WORK.
 - FOR DETAILS ON LOCATIONS OF CURB, ETC. SEE THE CONSTRUCTION DETAILS.
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 - FOR DEMOLITION AND TREE REMOVAL. SEE EXISTING CONDITIONS AND DEMOLITION PLANS.
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 - SEE P-101 TO P-113 FOR SIGNAGE AND STRIPING PLAN.
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 - FOR PAVEMENT AND TRAIL STRUCTURAL SECTIONS, SEE GENERAL SHEETS CROSS SECTIONS.

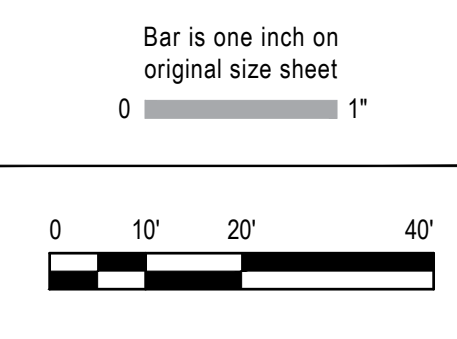
- ### SHEET KEYNOTES
- RAISE UTILITY TO FINISH GRADE.
 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
 - NEW TRAIL LIGHT, SEE ELECTRICAL PLANS.
 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
 - NEW CAMERA SYSTEM, SEE ELECTRICAL PLANS.
 - TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN.
 - INSTALL 6' TALL CHAINLINK FENCE.
 - INSTALL NEW 12' TALL CHAINLINK TENNIS CT FENCE.
 - HMA DIKE, CALTRANS TYPE A.
 - BIORETENTION AREA PER DETAIL ON SW-501.
 - RETAINING CURB PER DETAIL ON C-501.
 - FOR BOULDERS, BENCHES, BIKE RACKS ETC. SEE LANDSCAPE AMENITIES PLAN.
 - MINOR CONCRETE SLOPE PAVING PER DETAIL ON C-501.
 - CONCRETE CHECK DAM PER DETAIL ON C-501.
 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
 - CURB AND GUTTER, CALTRANS TYPE B2-4.
 - CURB, CALTRANS TYPE B1-6.
 - SCI-70 GM TL-2 ON CONCRETE PAD AT 4" CURB HEIGHT PER MANUFACTURER DETAIL.

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Author	Checked	Approved	Date
1	Author	EM	Drafting Check	SG	
	Designer	CO	Design Check	SG	
	Project Manager	L. VAN PARYS			
	Project Director	K. VEDULA			



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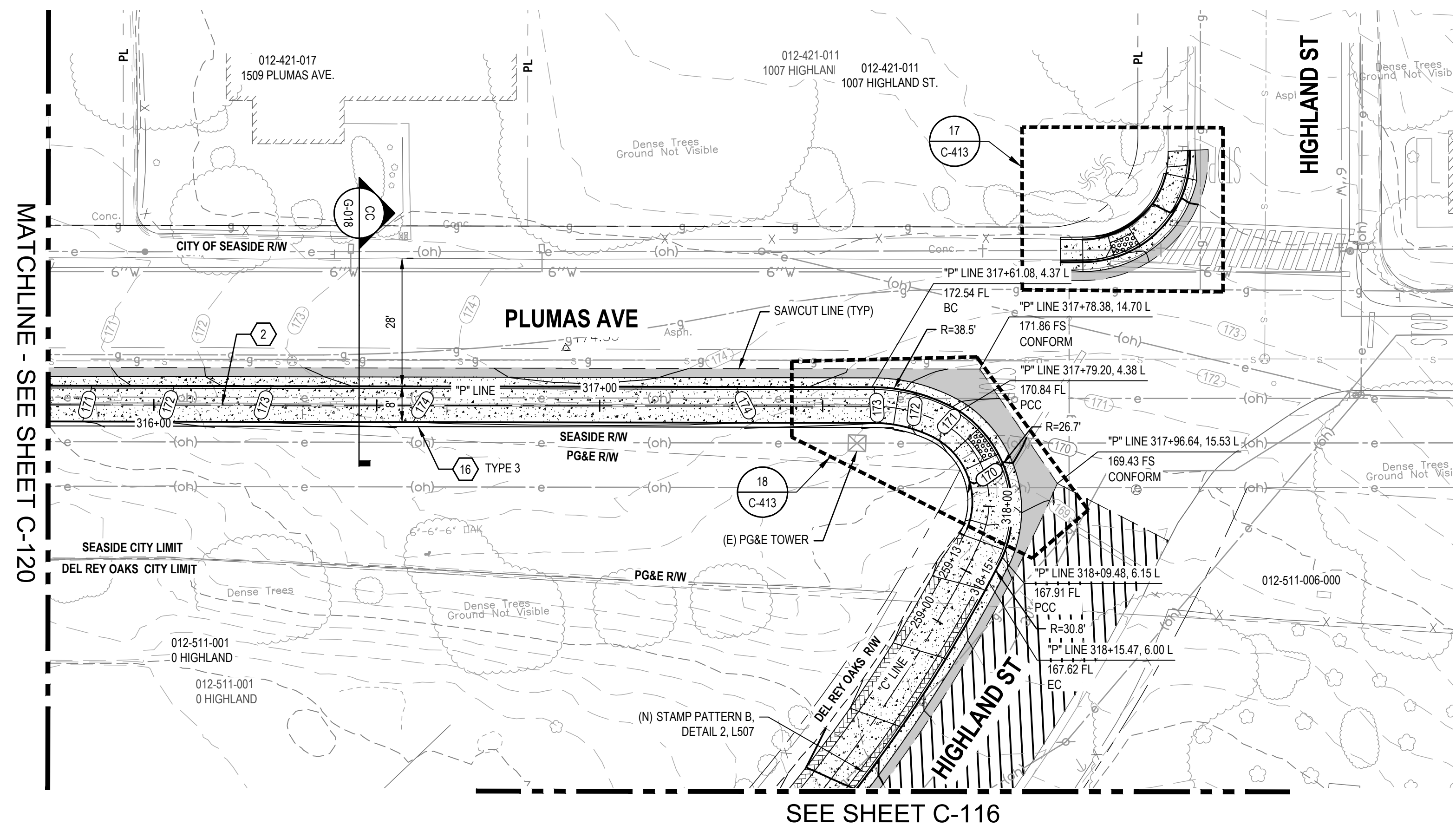
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **IMPROVEMENT PLAN AND PROFILE-19**

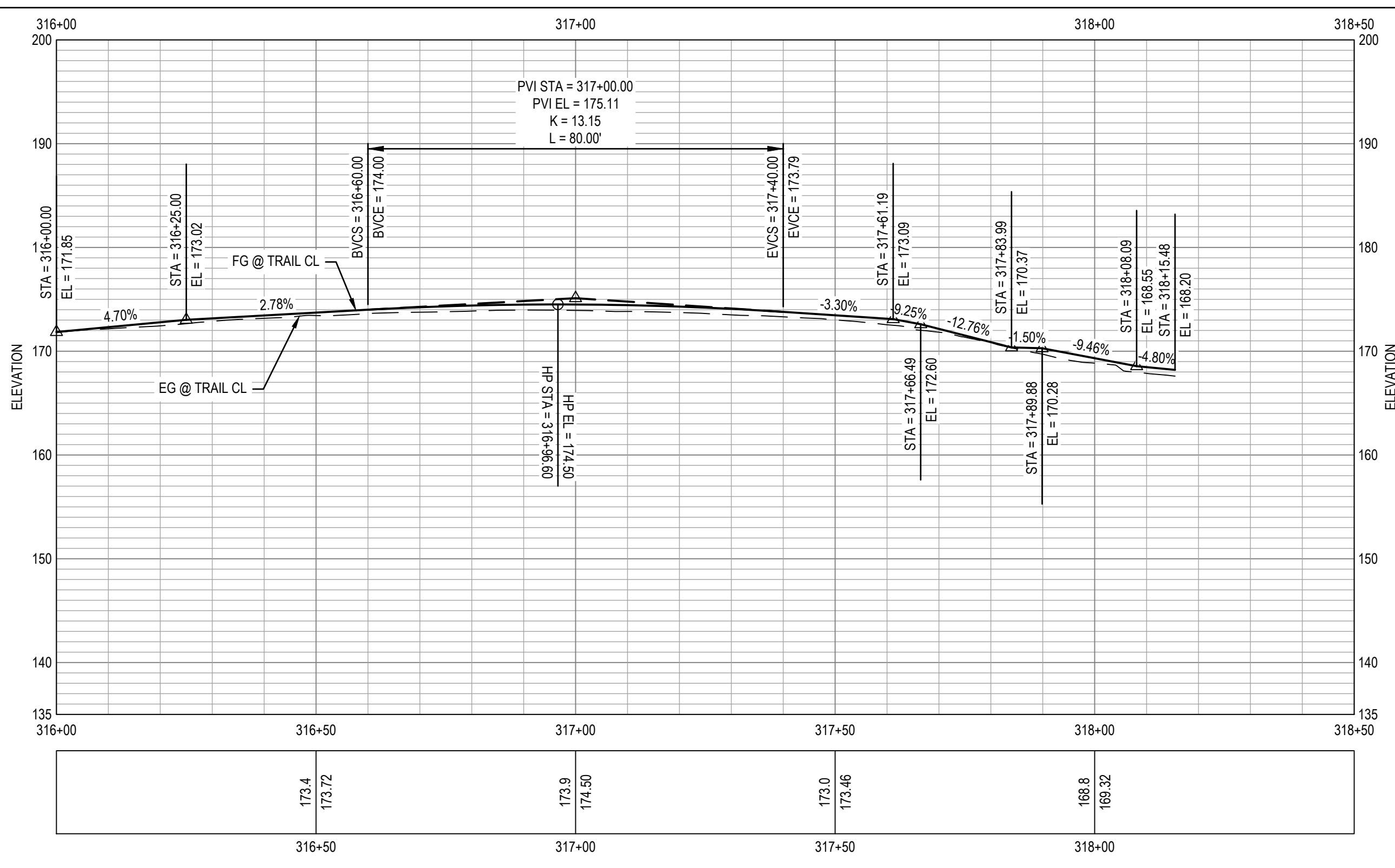
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Sheet No. **C-120** of 195



1 IMPROVEMENT PLAN



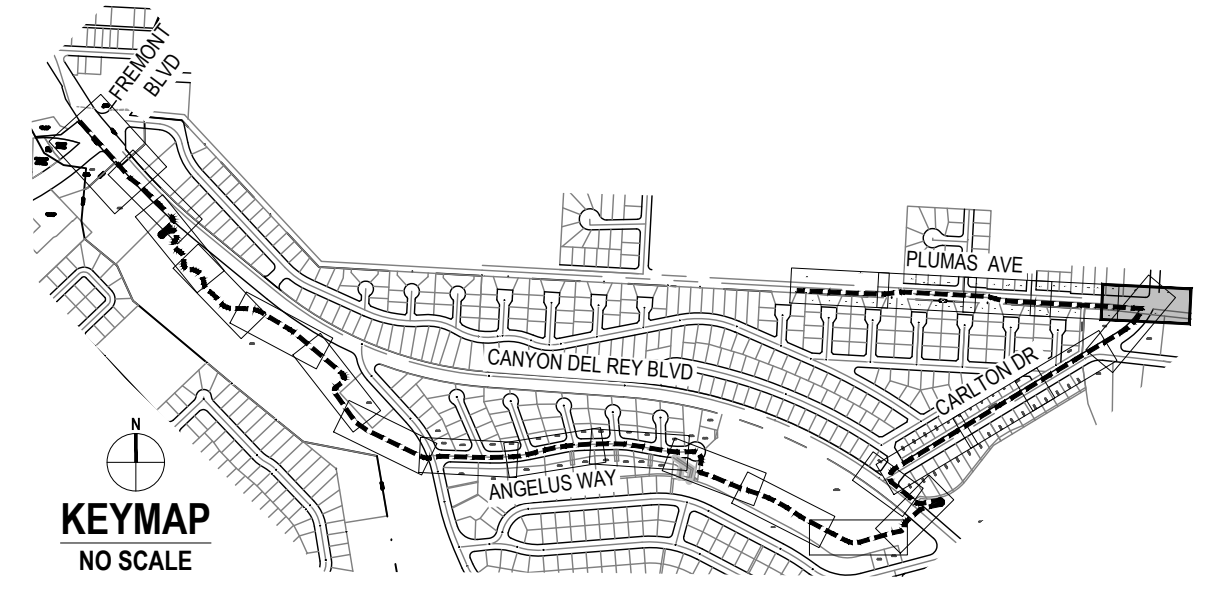
2 PROFILE

- SHEET GENERAL NOTES**
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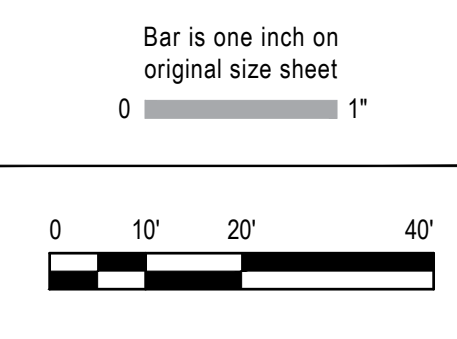
- SHEET KEYNOTES**
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 - CURB AND GUTTER, CALTRANS TYPE A2-6.
 - MINOR CONCRETE SIDEWALK OR TRAIL. SECTION PER TYPICAL CROSS SECTIONS.
 - CURB, CALTRANS TYPE A1-6.
 - CURB, CALTRANS TYPE A1-4.
 - CURB AND GUTTER, CALTRANS TYPE E.
 - CURB, CALTRANS TYPE D.
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 - RELOCATED STREET LIGHT, SEE ELECTRICAL PLANS.
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 - CURB AND GUTTER, CALTRANS TYPE B2-6 MOD.
 - CURB AND GUTTER, CALTRANS TYPE B2-4.
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LEGEND

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	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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				K. VEDULA



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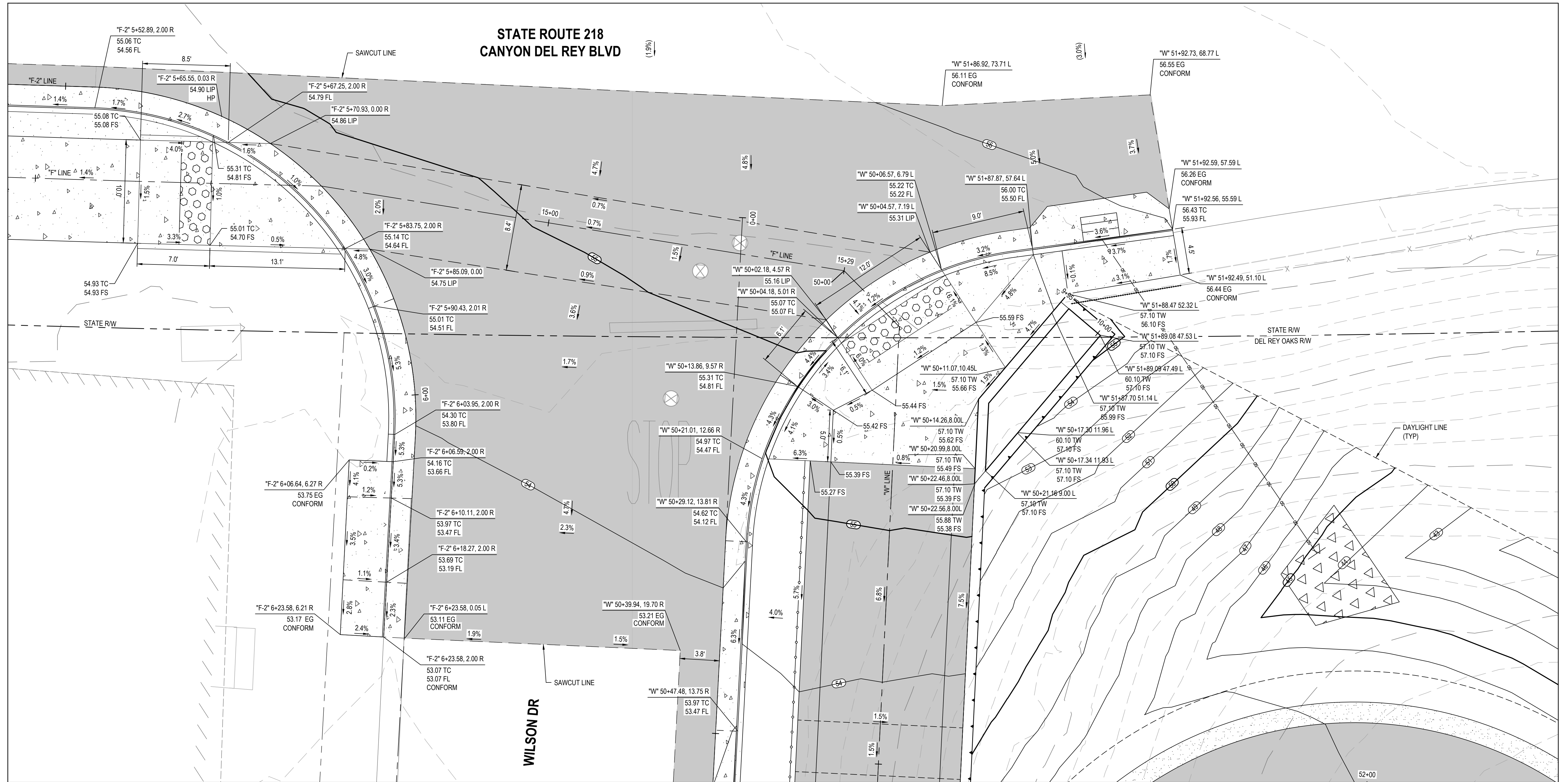
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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **IMPROVEMENT PLAN AND PROFILE-20**

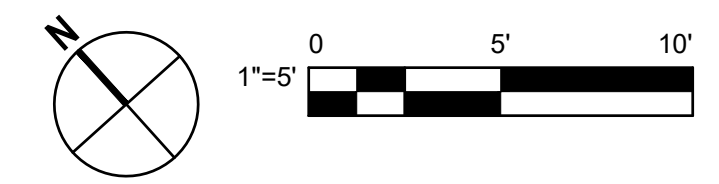
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1 GRADING DETAIL - SR 218/CANYON DEL REL BLVD & WILSON DR



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Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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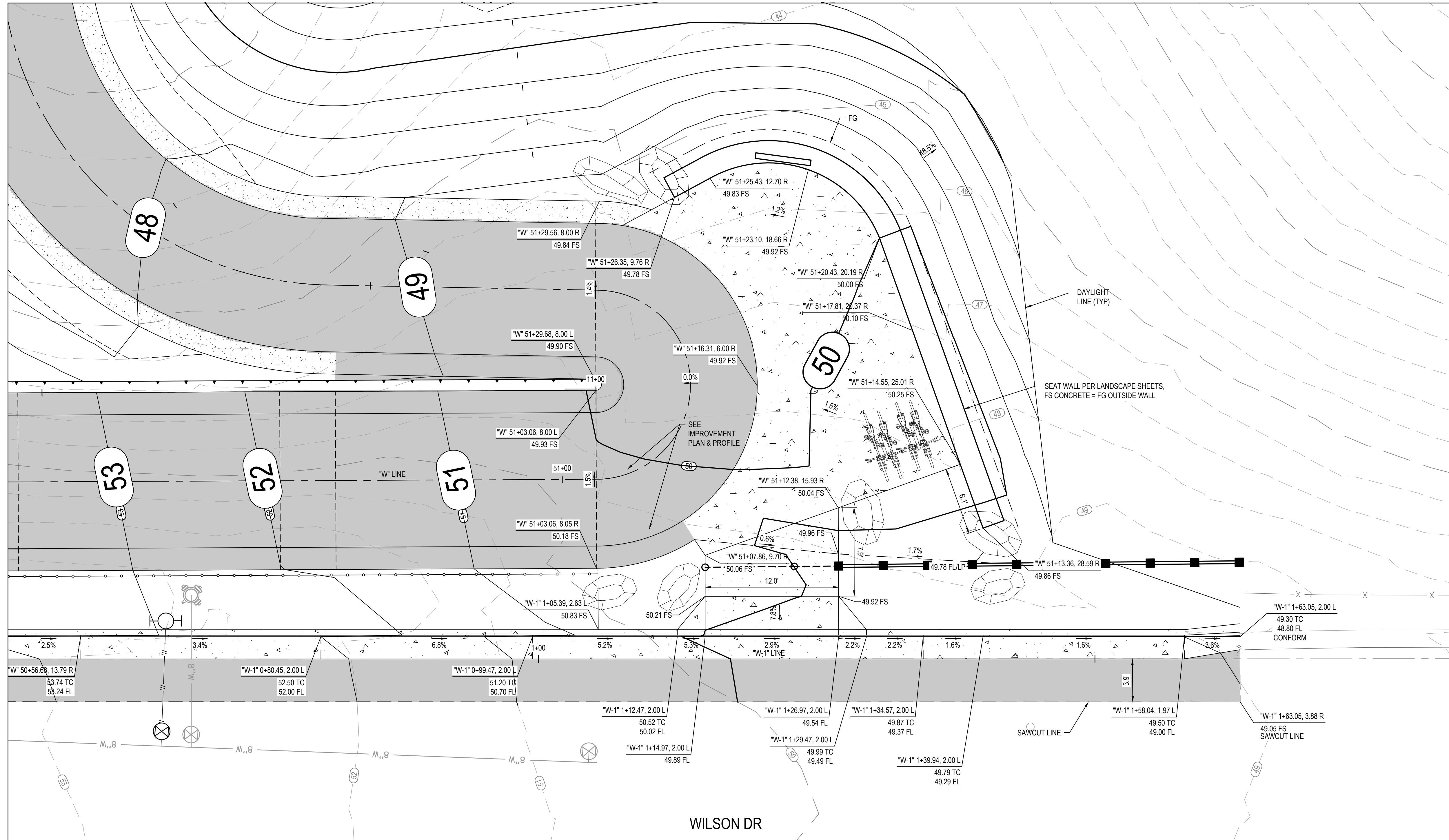
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Project
FORTAG TRAIL PROJECT

Title **GRADING DETAIL - 1**

Project No. **11220281** Date **December 1, 2023** Scale **1"=5'**

Size **ANSI D**
Status Code
Sheet No. **C-401** Sheet **52 of 195**



2 GRADING DETAIL - WILSON DR



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Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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Project No.	Date	Scale
11220281	December 1, 2023	1"=5'

Title	GRADING DETAIL - 2	
Sheet No.	3 of 195	ANSI D
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FOR DETAIL STAIR GRADING SEE SHEET C-404

3 GRADING DETAIL - BUTTERFLY GARDEN



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Designer	CO	Design Check	SG	Project Director
		L. VAN PARYS		K. VEDULA



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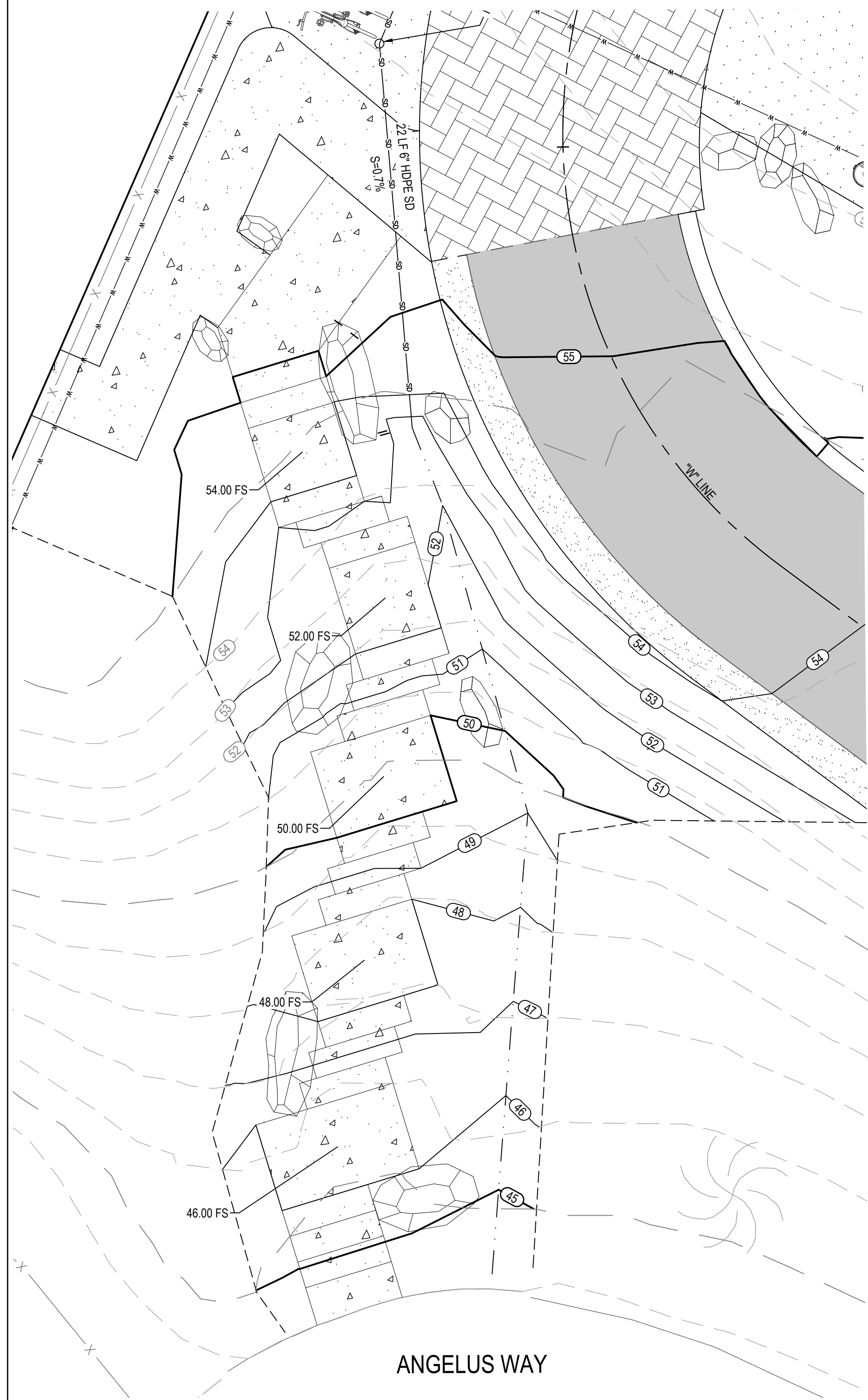
Project
FORTAG TRAIL PROJECT

Title **GRADING DETAIL - 3**

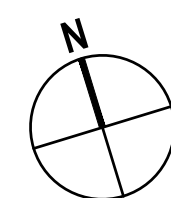
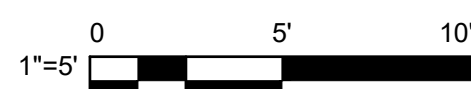
Project No. **11220281** Date **December 1, 2023** Scale **1"=5'**

Size **ANSI D**
Status Code
Sheet No. **C-403** Sheet **54 of 195**

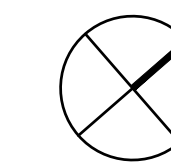
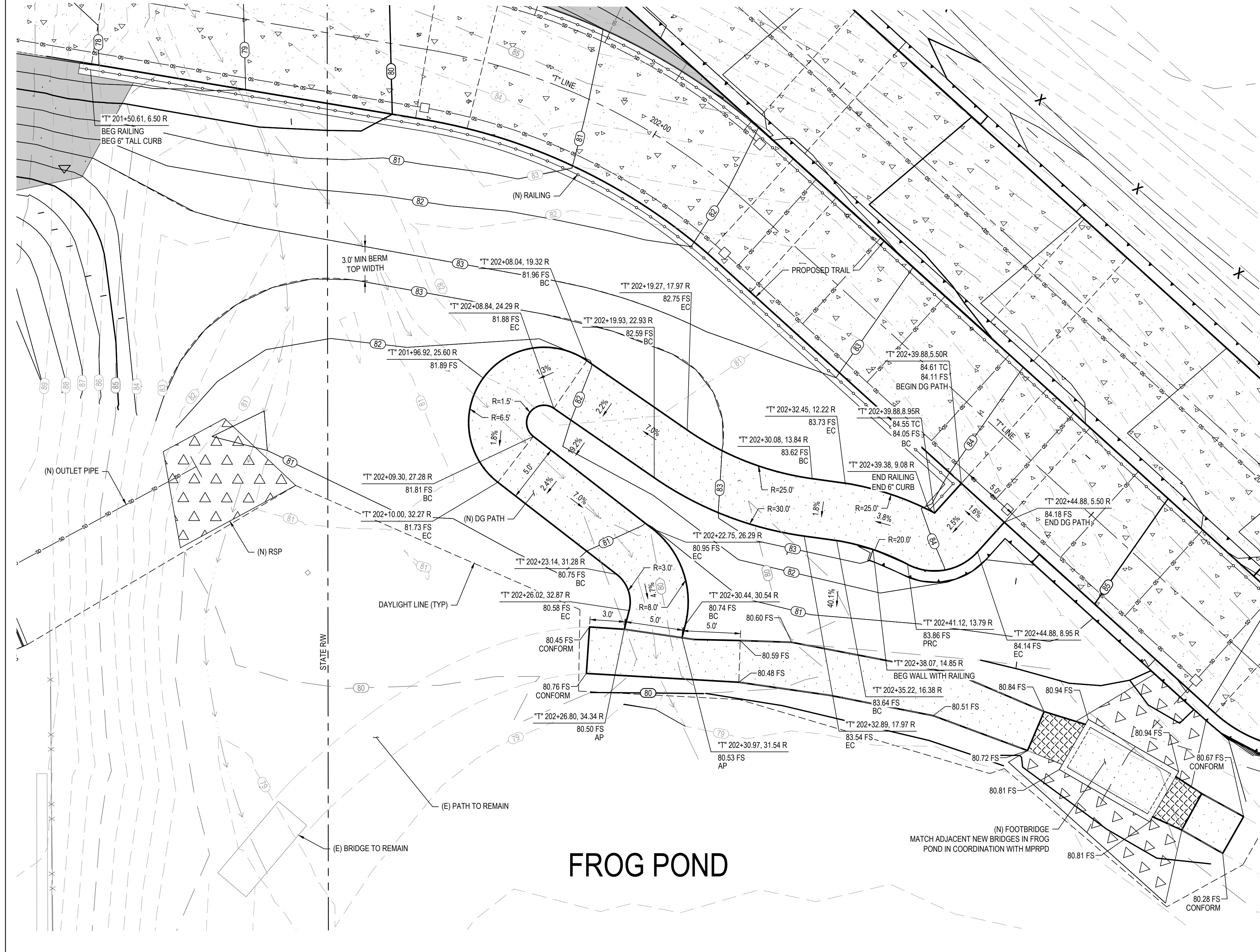
SEE BUTTERFLY GRADING DETAIL SHEET C-403



4 GRADING DETAIL - STAIRS



5 GRADING DETAIL - FROG POND



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Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023**

Title **GRADING DETAIL - 4**

Scale **1"=5'**

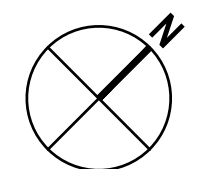
Size **ANSI D**

Status Code

Sheet No. **C-404** Sheet **55 of 195**



6 GRADING DETAIL - DEL REY OAKS CORP YARD



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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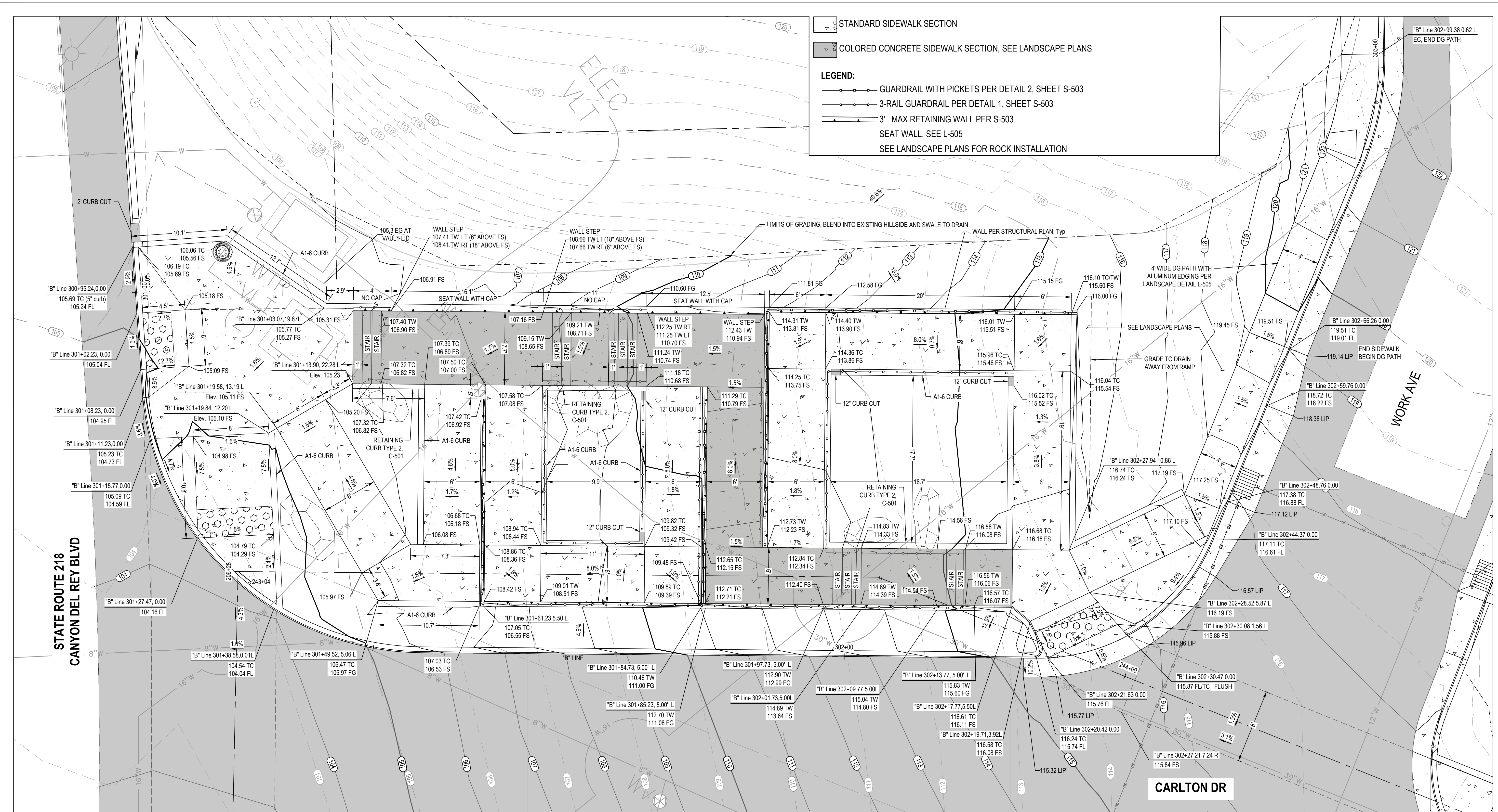


Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project
FORTAG TRAIL PROJECT

Title **GRADING DETAIL - 5**

Project No. **11220281** Date **December 1, 2023** Scale **1"=5'**

Sheet No. **C-405** Sheet 56 of 195



7 GRADING DETAIL - CARLTON DR AND WORK AVE

No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
		Designer	CO	Design Check	SG	Project Director	K. VEDULA	
		Project Manager	L. VAN PARYS					

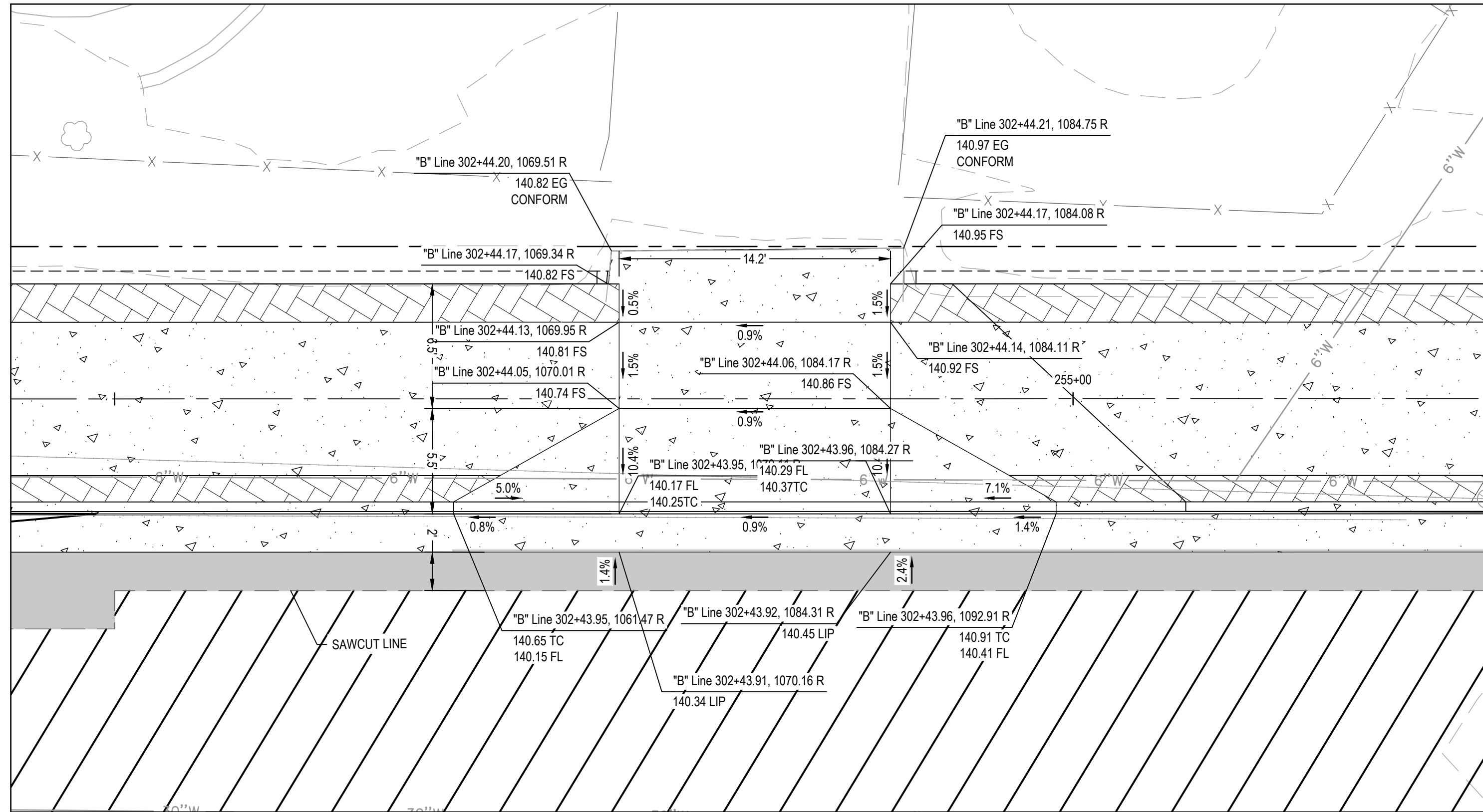


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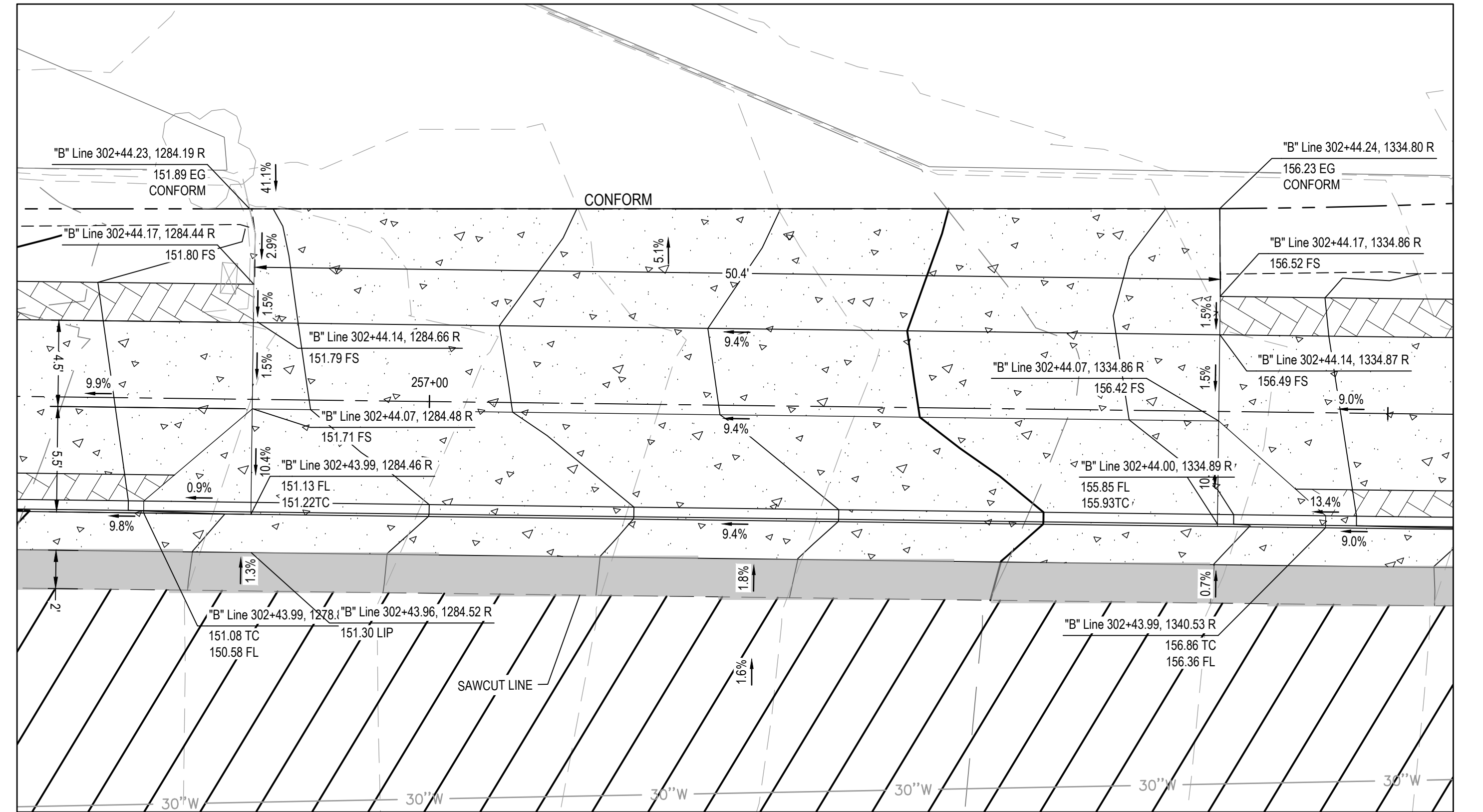
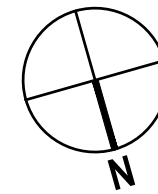


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	1"=5'

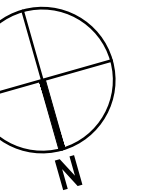
Title	GRADING DETAIL - 6
Size	ANSI D
Status Code	
Sheet No.	C-406
Sheet	57 of 195



8 GRADING DETAIL - DRIVEWAY 1



9 GRADING DETAIL - DRIVEWAY 2



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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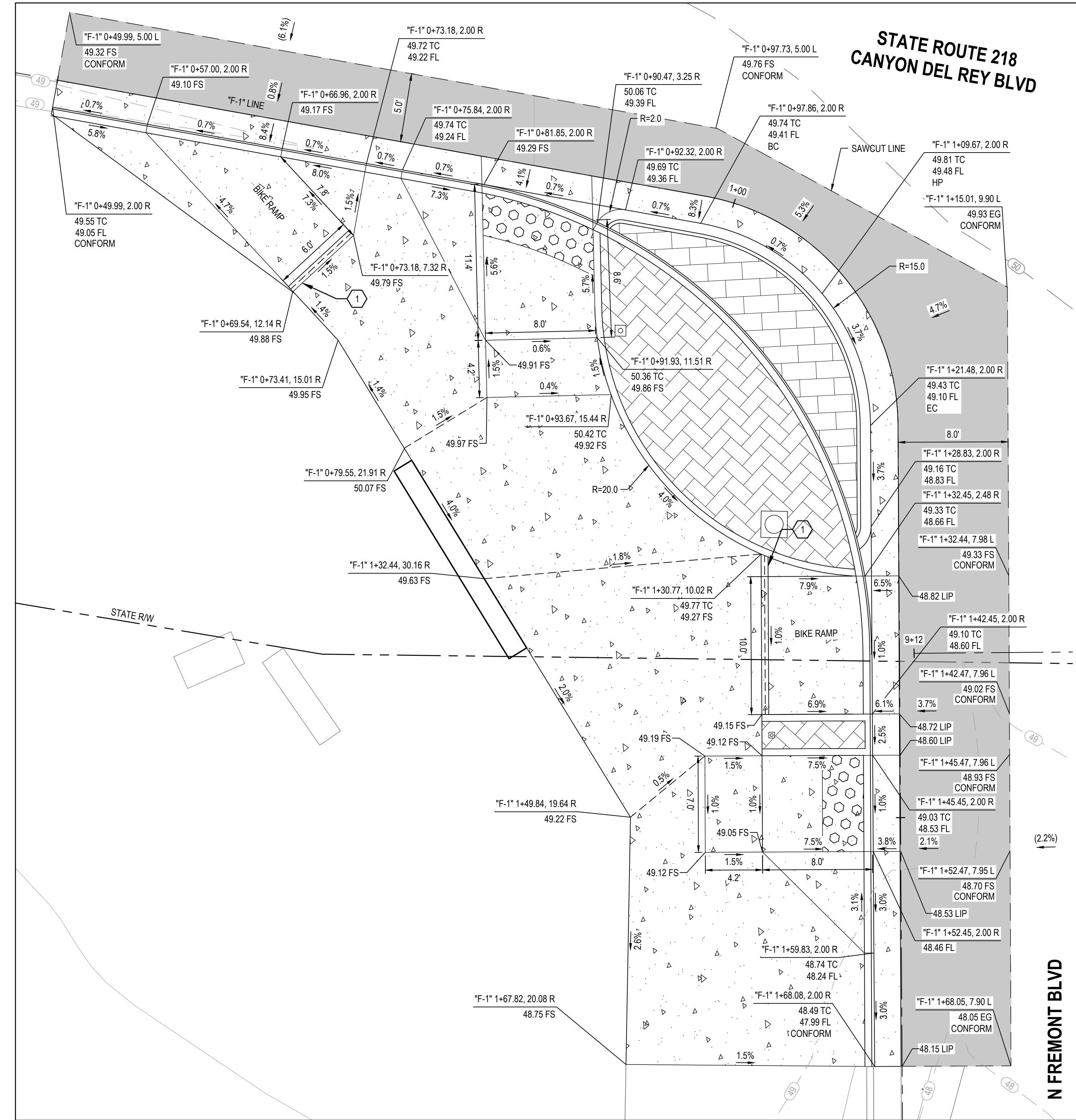
Project
FORTAG TRAIL PROJECT

Title **GRADING DETAIL - 7**

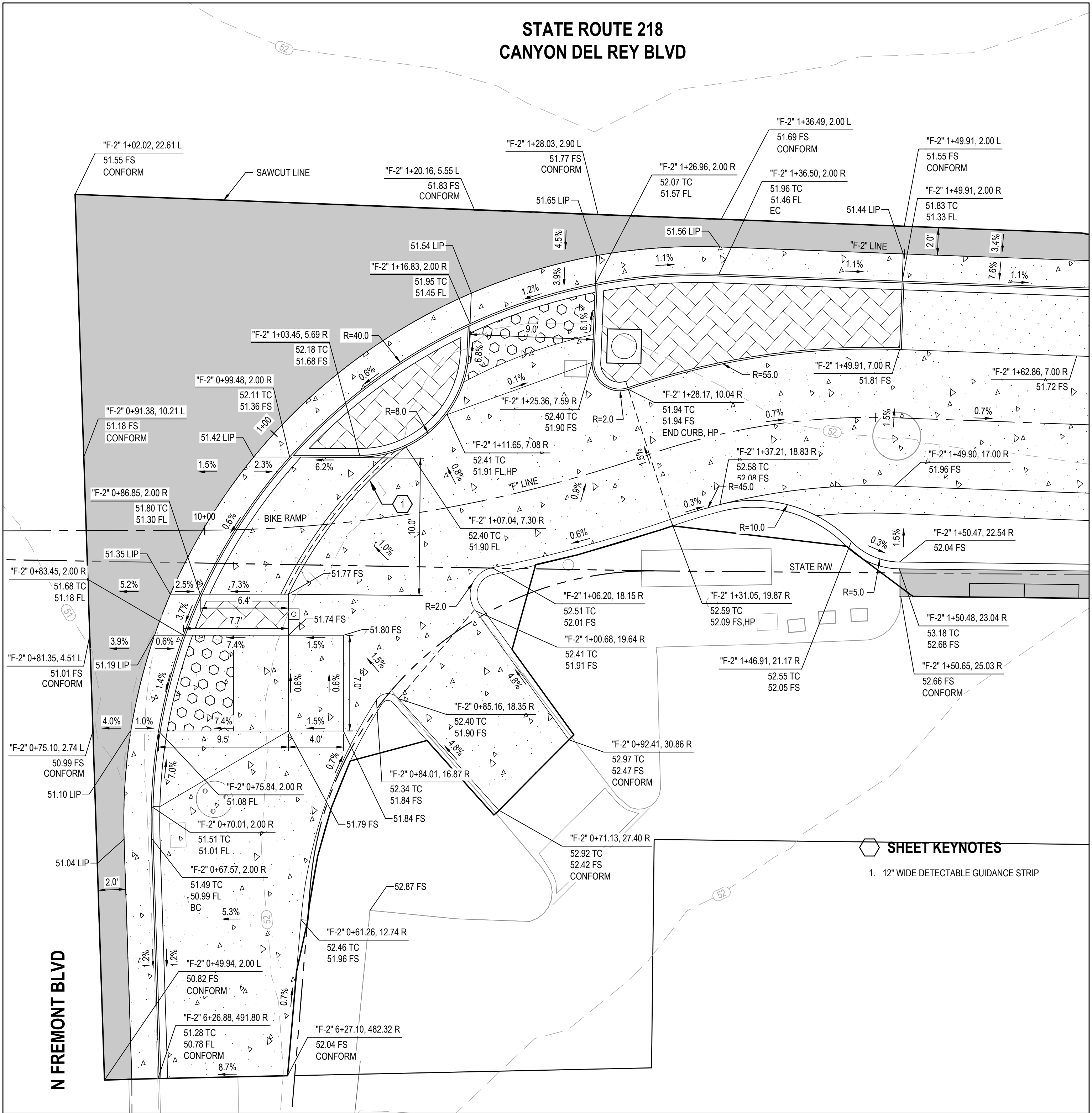
Project No. **11220281** Date **December 1, 2023** Scale **1"=5'**

Size **ANSI D**
Status Code
Sheet No. **C-407** Sheet **58 of 195**

**STATE ROUTE 218
CANYON DEL REY BLVD**

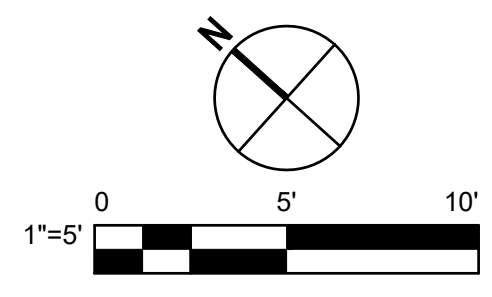


**STATE ROUTE 218
CANYON DEL REY BLVD**

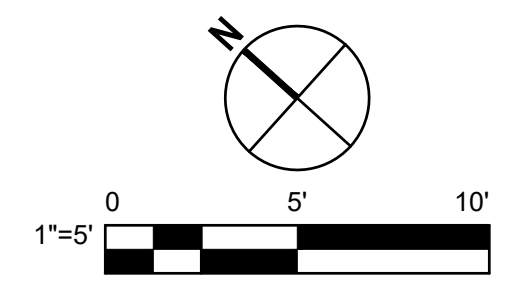


SHEET KEYNOTES
1. 12" WIDE DETECTABLE GUIDANCE STRIP

**1 CURB RAMP DETAIL
SR 218/CANYON DEL REY BLVD & N FREMONT BLVD**



**2 CURB RAMP DETAIL
SR 218/CANYON DEL REY BLVD & N FREMONT BLVD**



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA

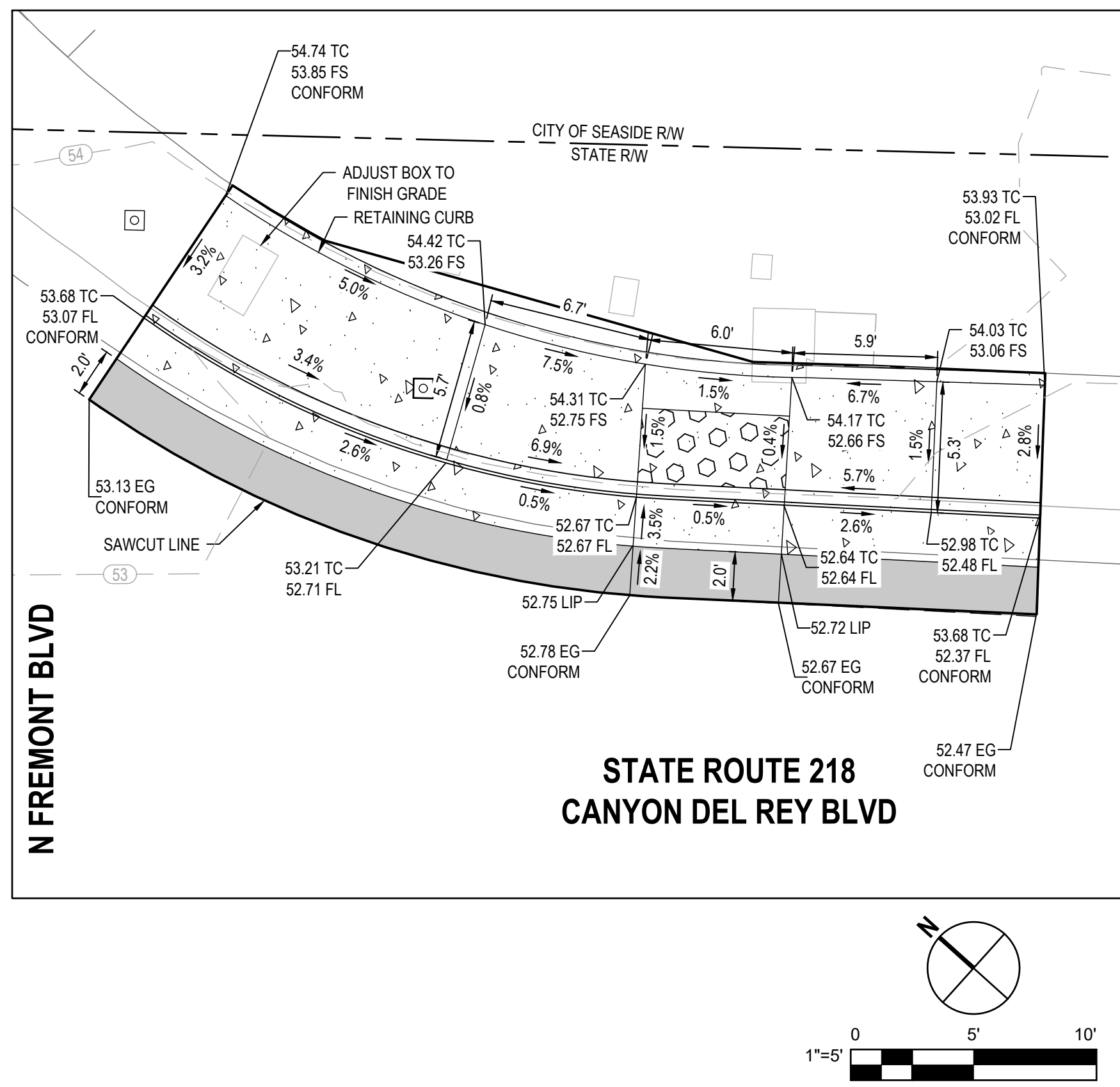


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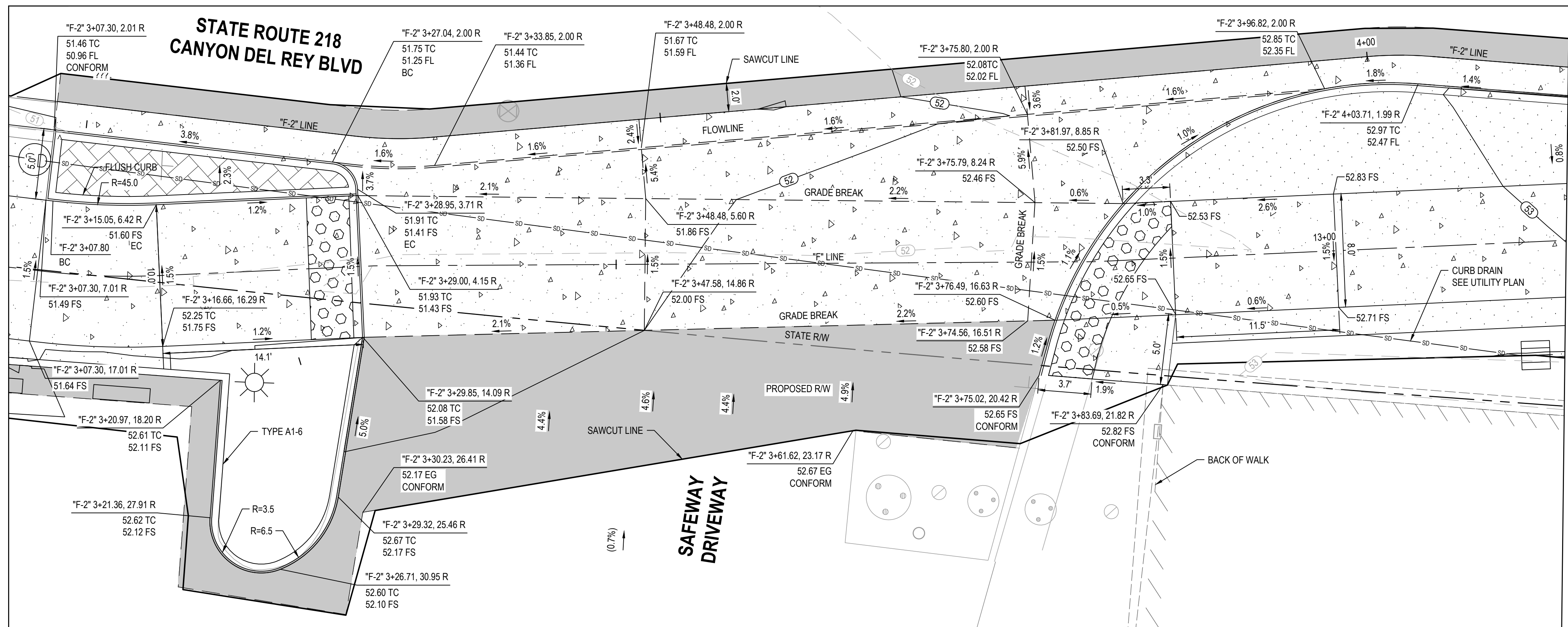


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	1"=5'

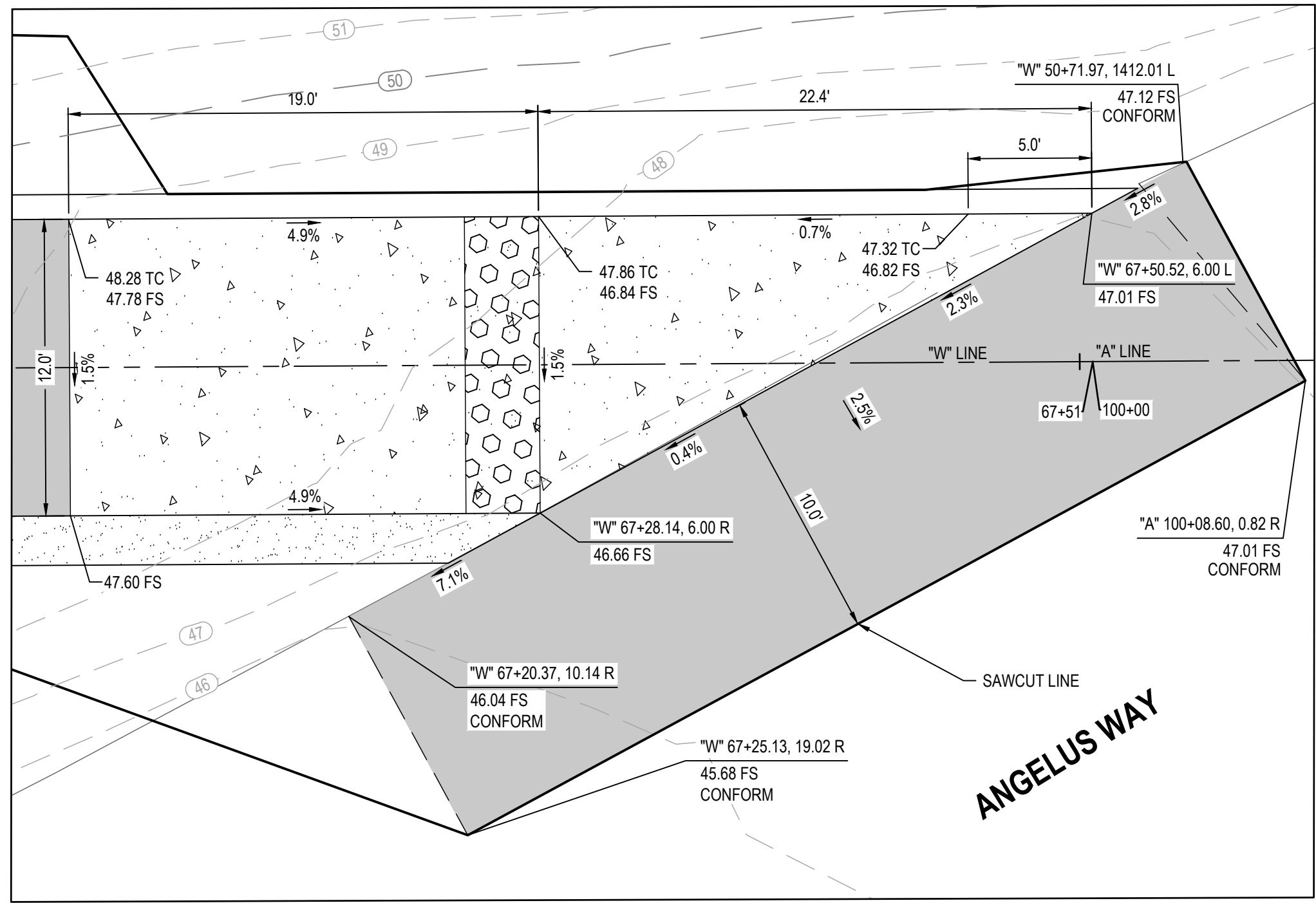
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Size	ANSI D
Status Code	
Sheet No.	C-408
Sheet	59 of 195



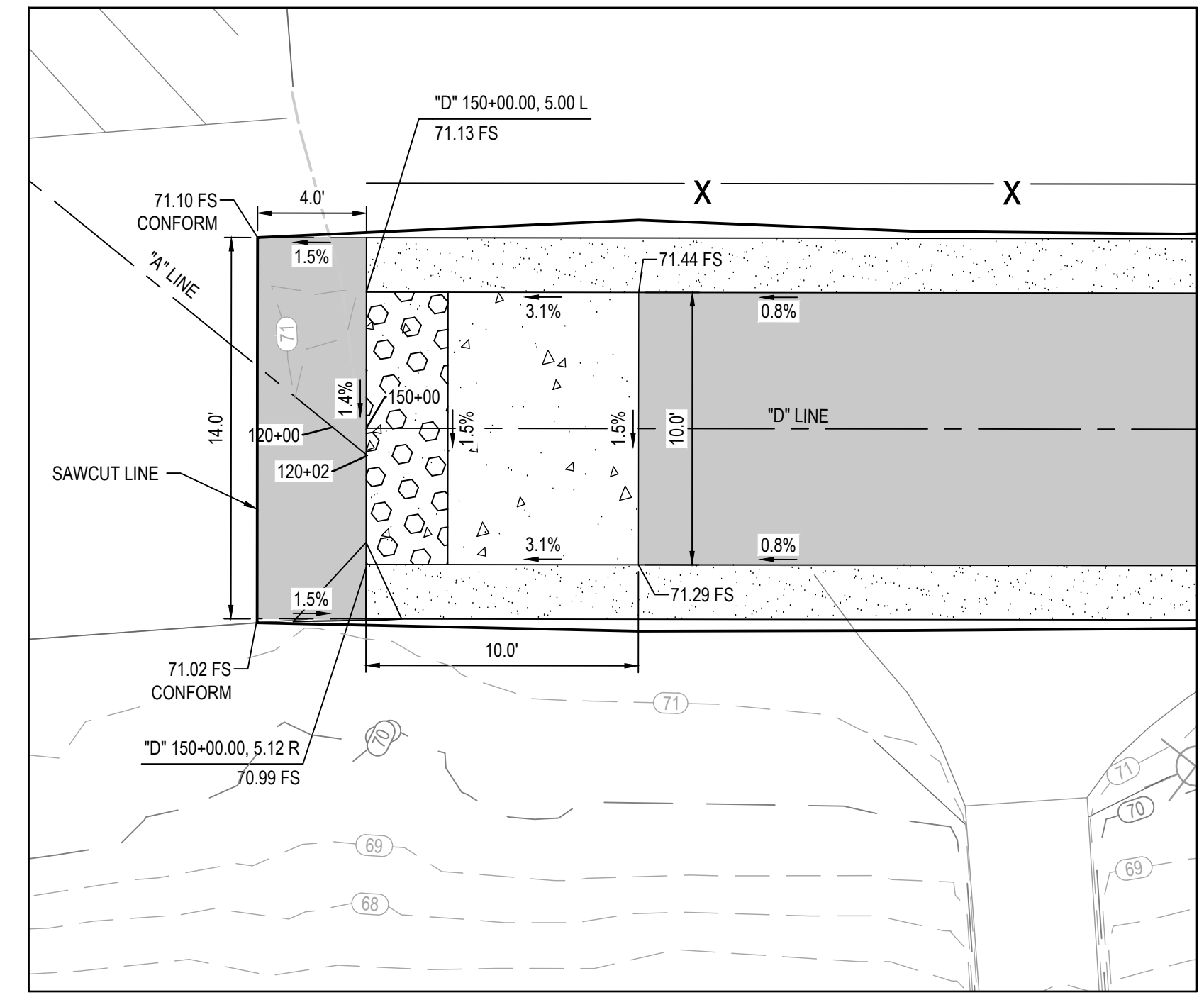
3 CURB RAMP DETAIL
SR 218/CANYON DEL REY BLVD & N FREMONT BLVD



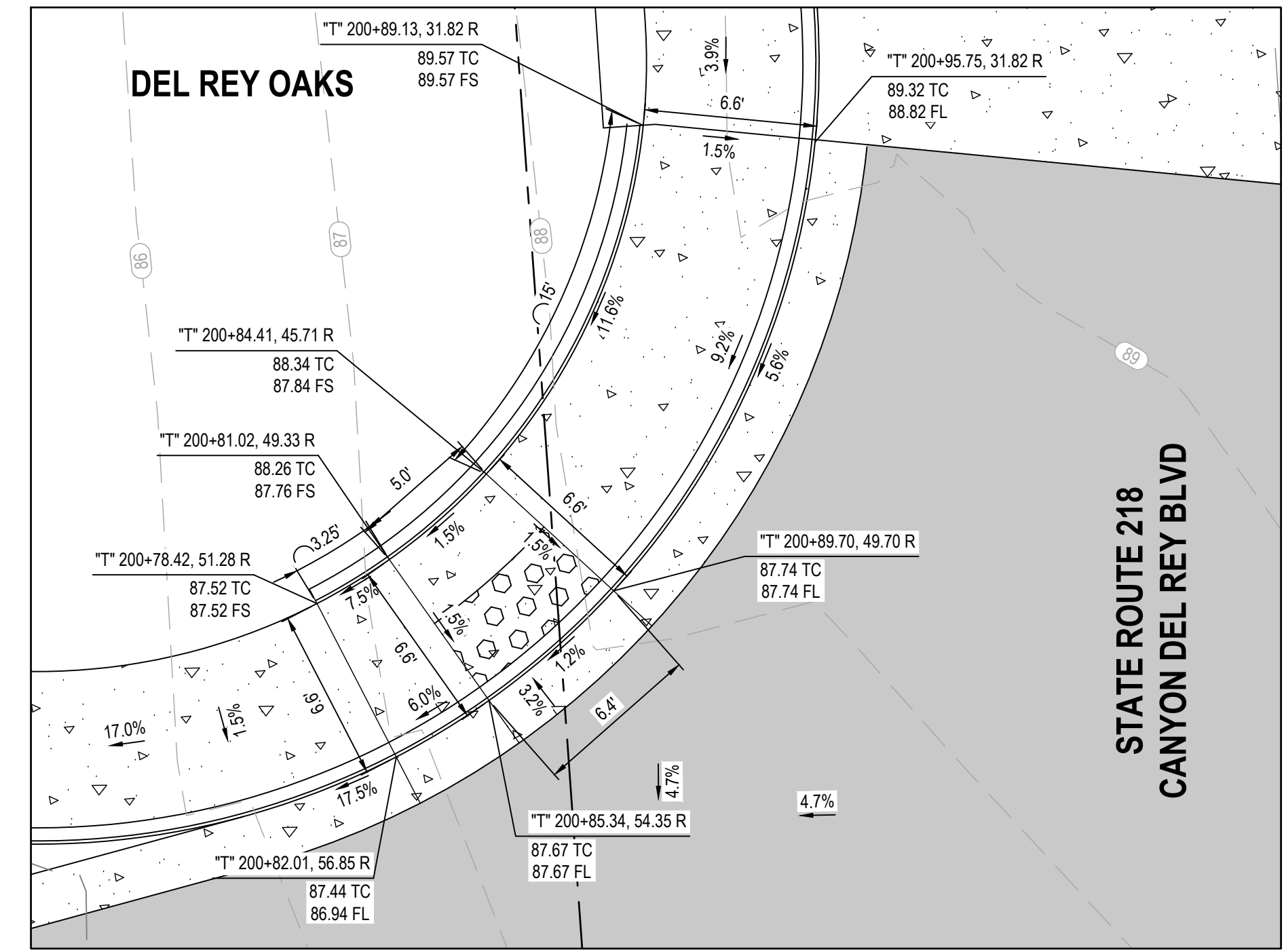
4 CURB RAMP DETAIL
SR 218/CANYON DEL REY BLVD & SAFEWAY DRIVEWAY



5 CURB RAMP DETAIL
ANGELUS WAY



6 CURB RAMP DETAIL
DEL REY PARK



7 CURB RAMP DETAIL
SR 218/DEL REY OAKS CORP YARD

No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
		Designer	CO	Design Check	SG	Project Director	K. VEDULA	



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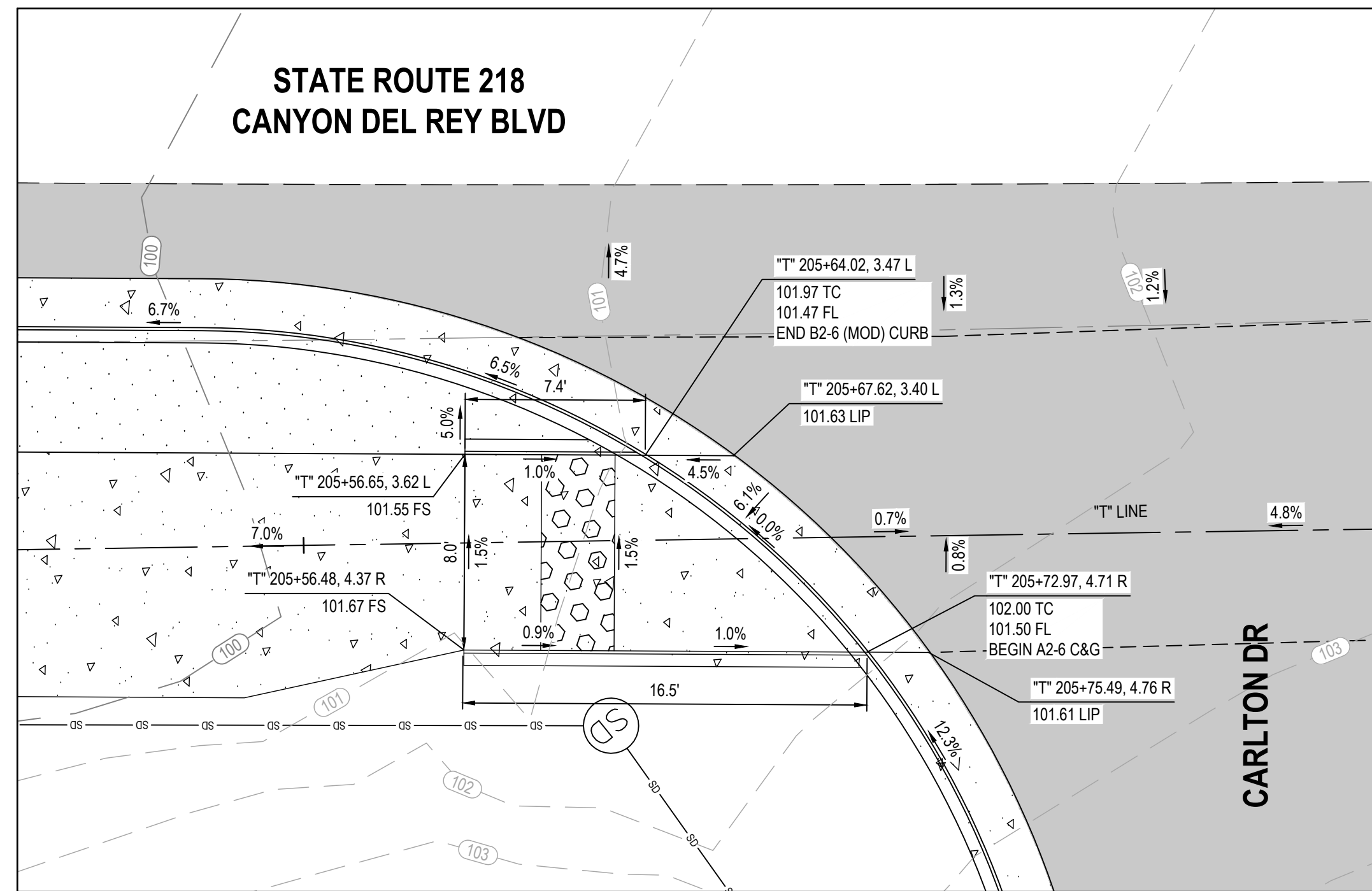


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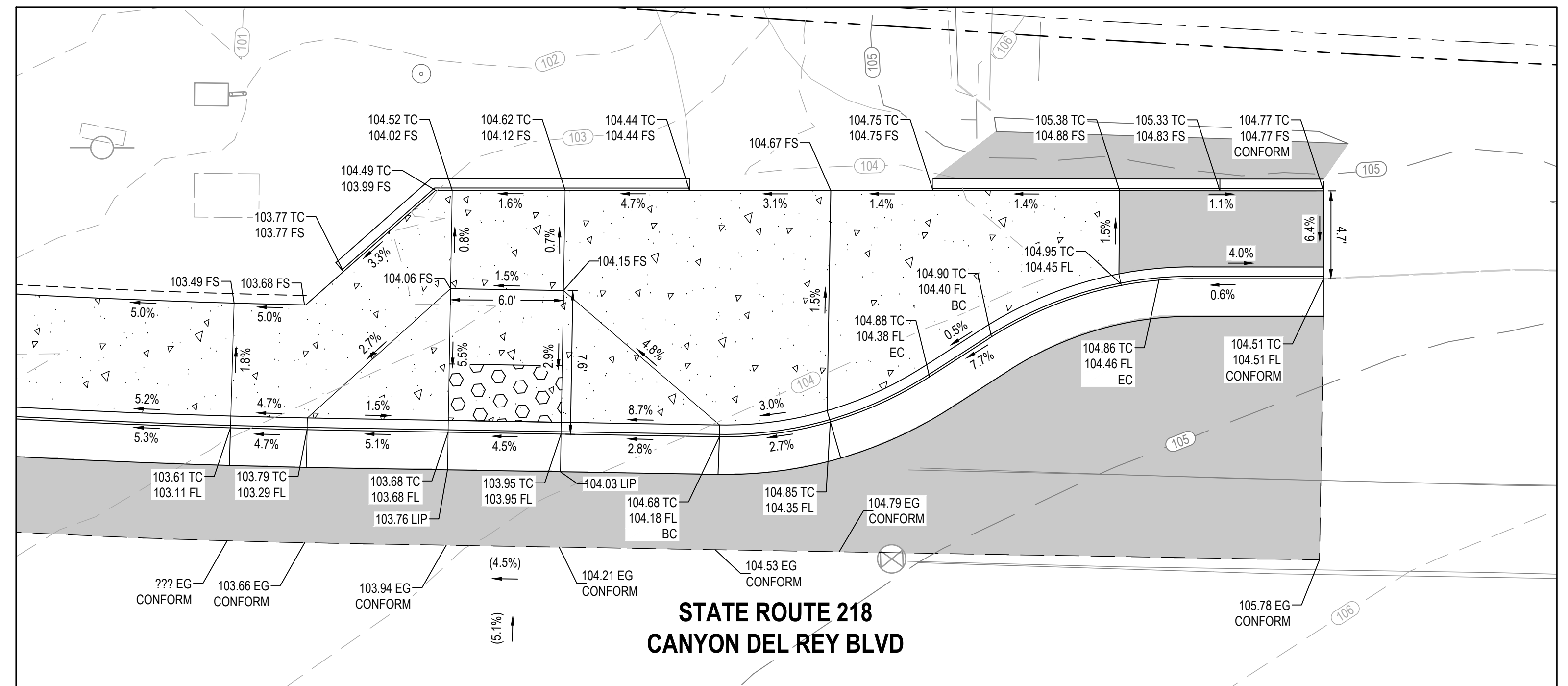
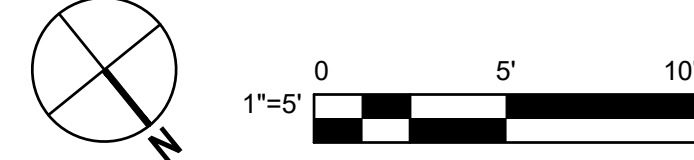


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023

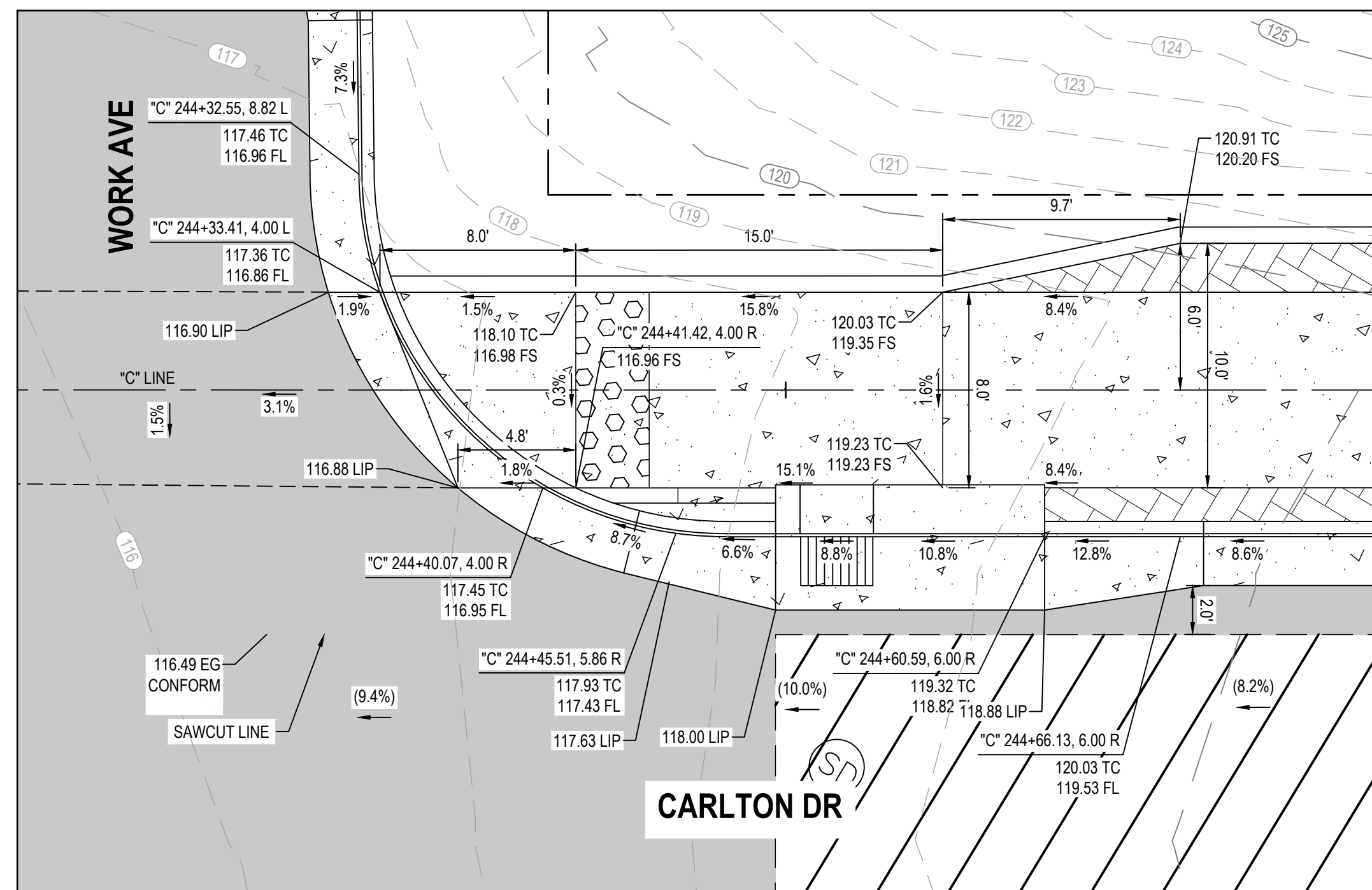
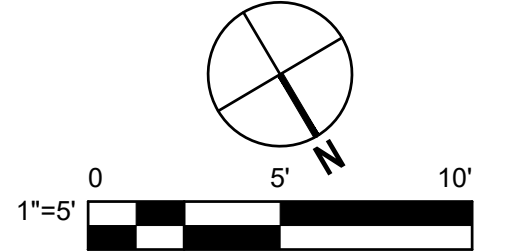
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Scale	1"=5'
Sheet No.	C-409
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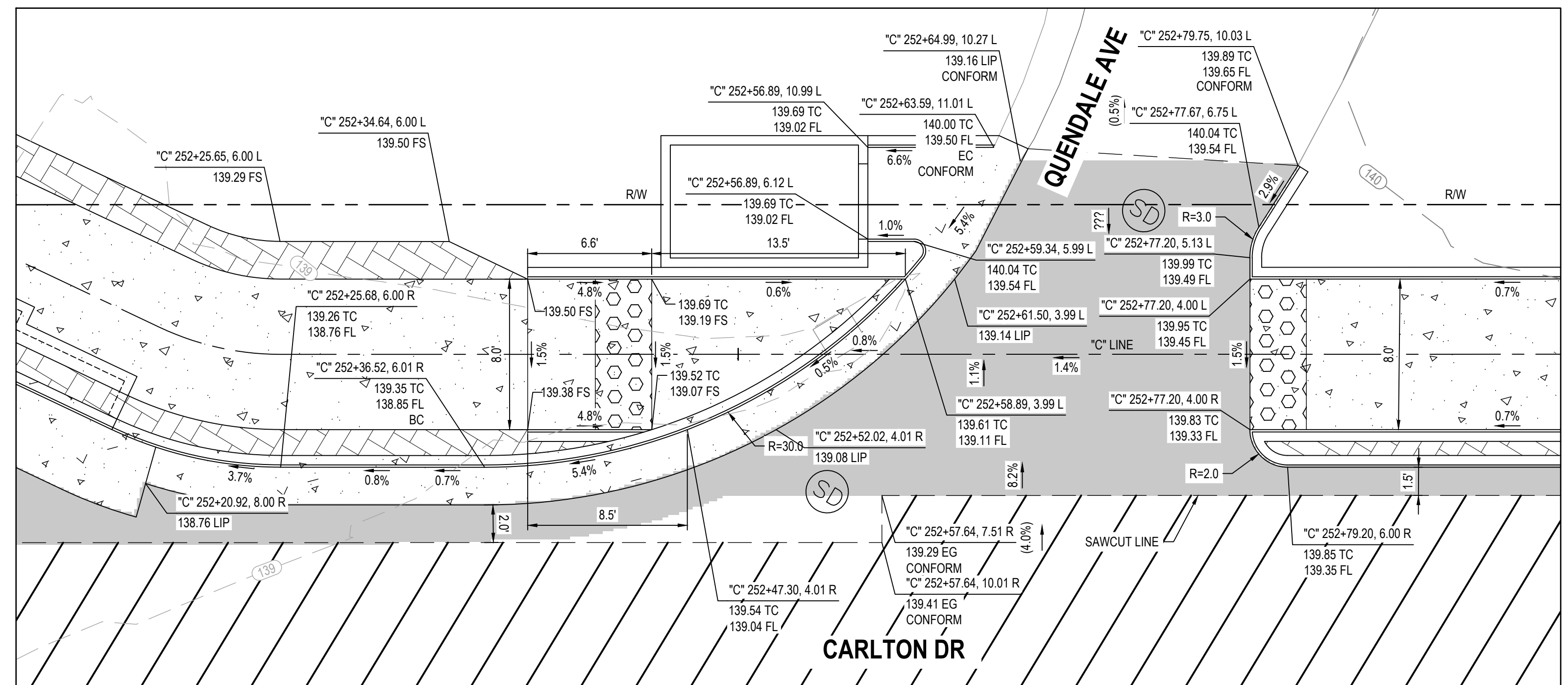
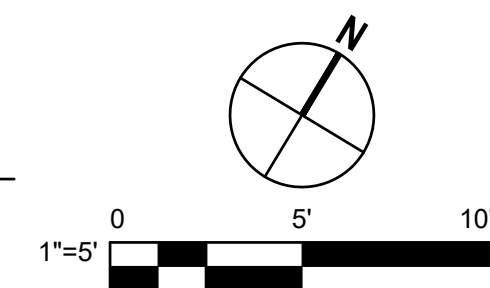
8 CURB RAMP DETAIL
SR 218/CANYON DEL REY BLVD & CARLTON DR



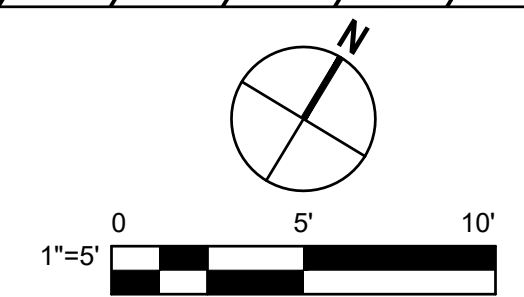
9 CURB RAMP DETAIL
SR 218/CANYON DEL REY BLVD & CARLTON DR



10 CURB RAMP DETAIL
CARLTON DR & WORK AVE



11 CURB RAMP DETAIL
CARLTON DR & QUENDALE AVE



No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
1	Design	CO	Design Check	SG	Project Manager	L. VAN PARYS		
2	Design	CO	Design Check	SG	Project Director	K. VEDULA		



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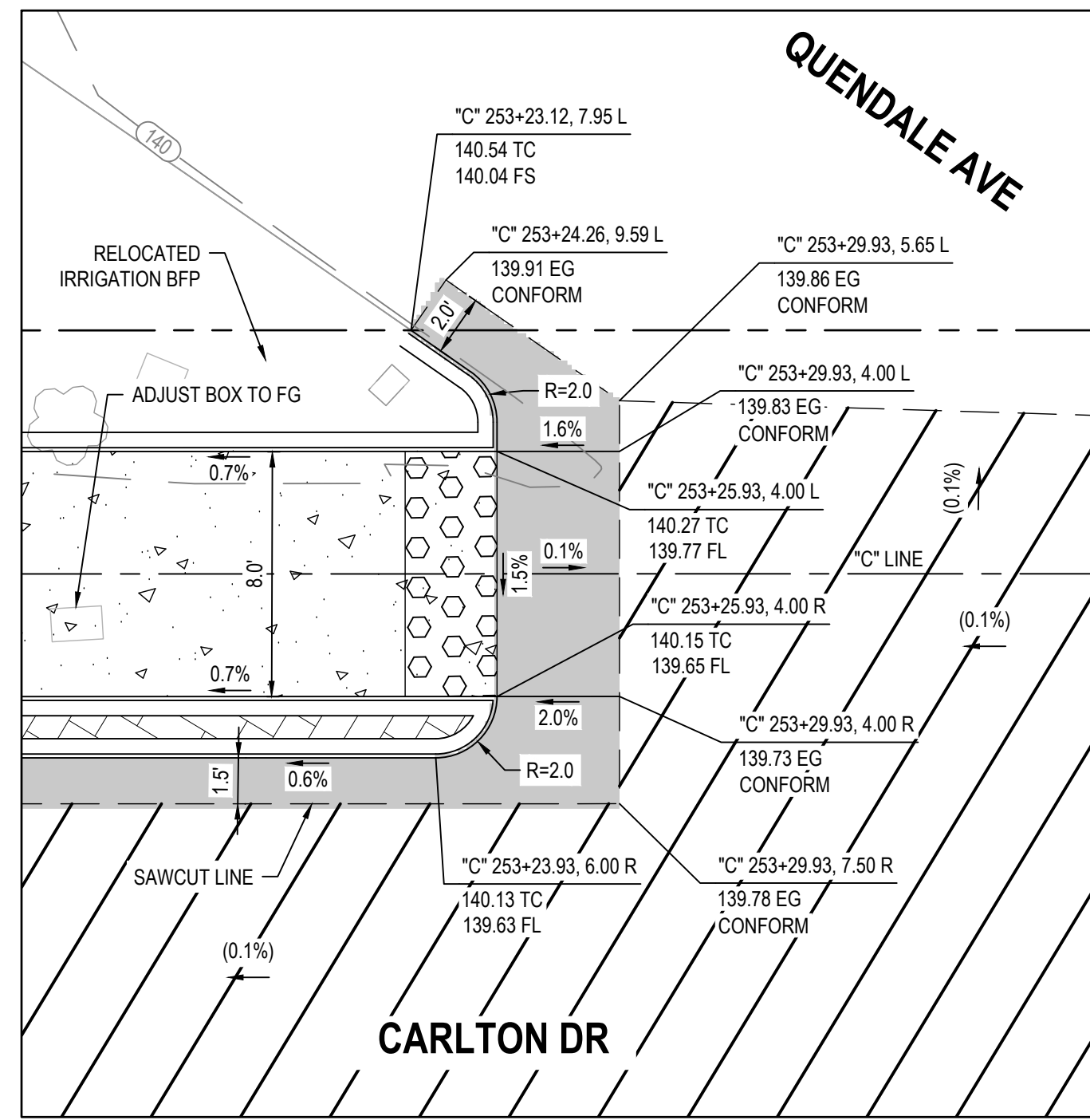
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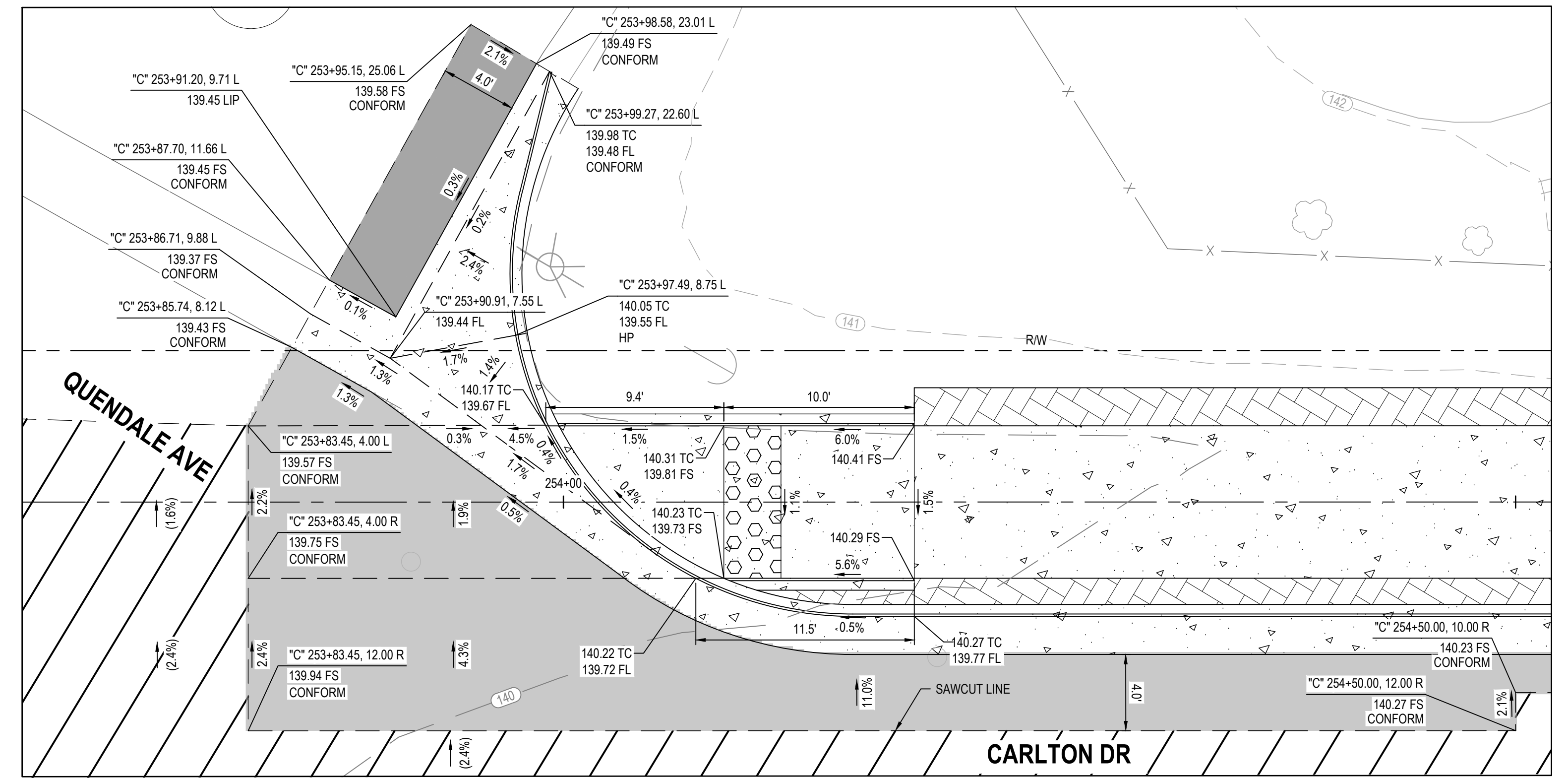
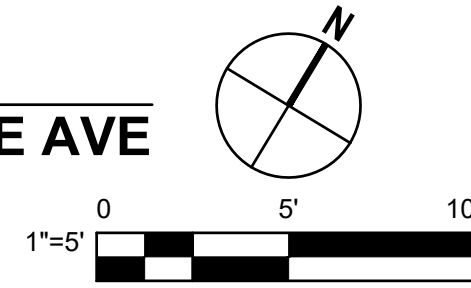


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
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Project No.	11220281
Date	December 1, 2023
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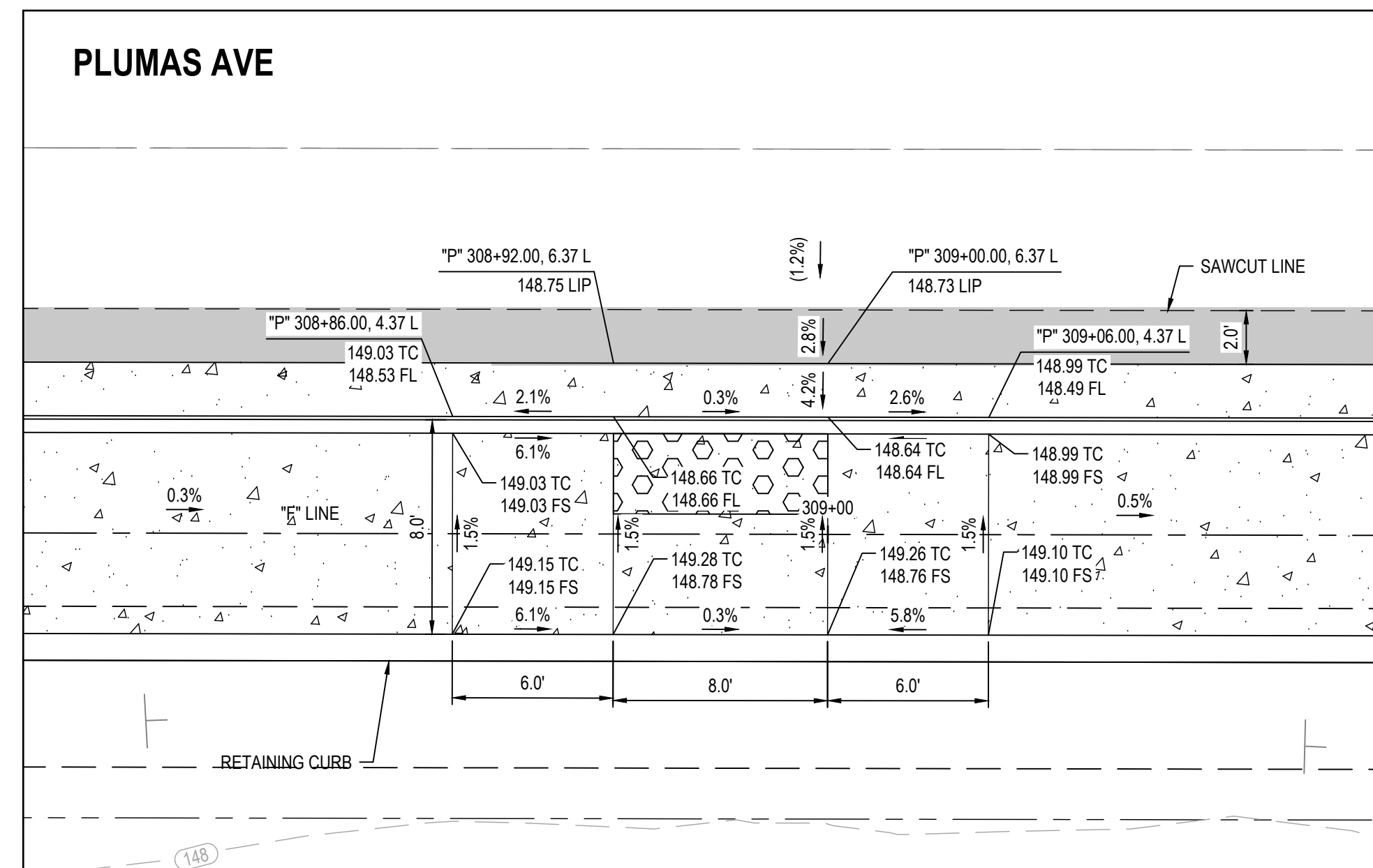
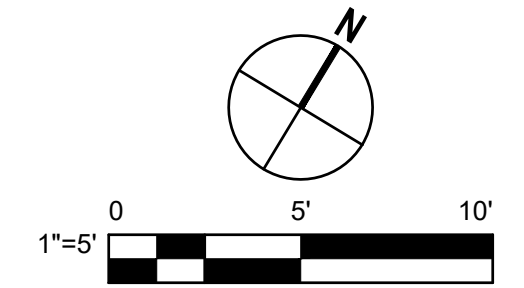
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Sheet No.	C-410
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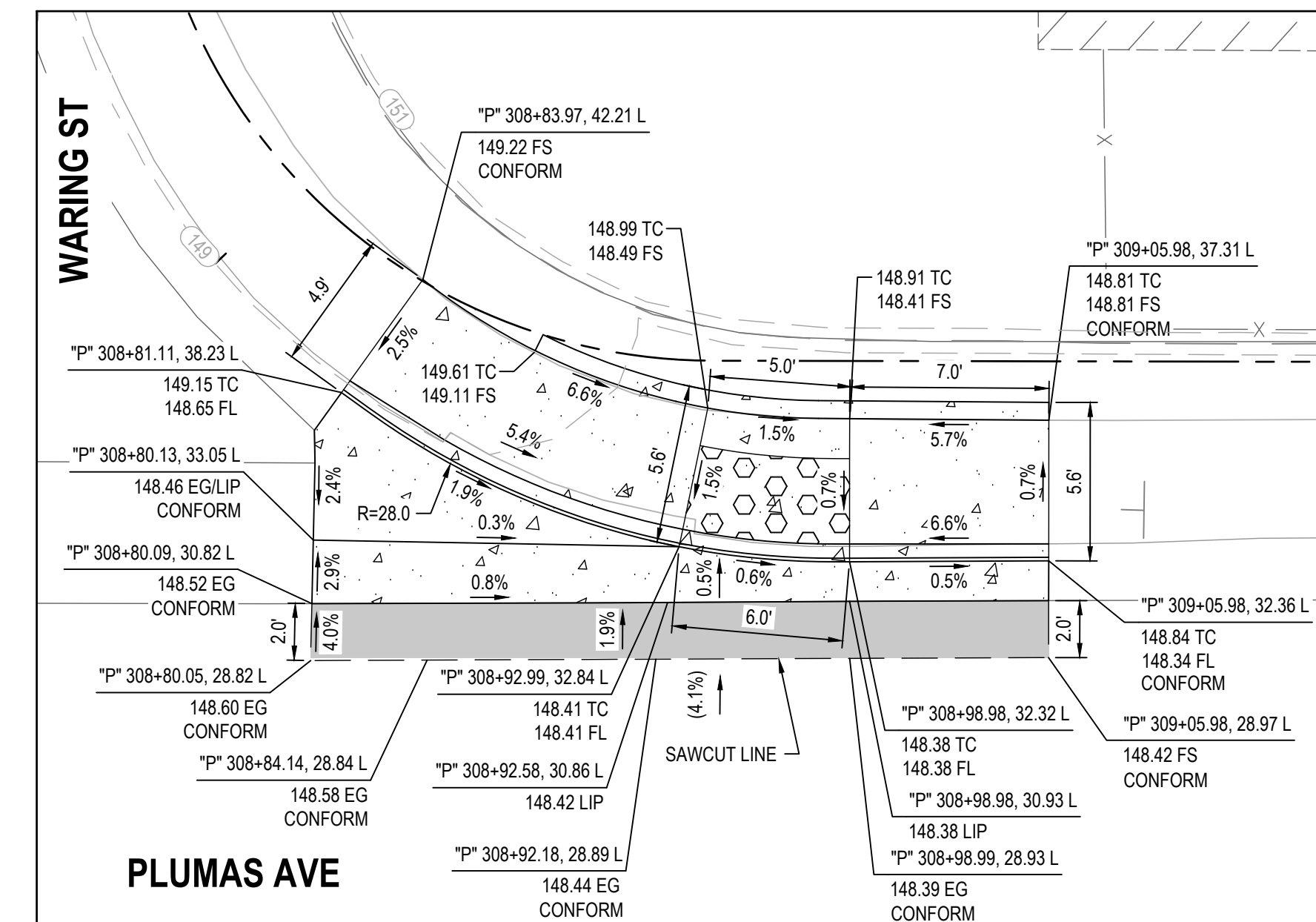
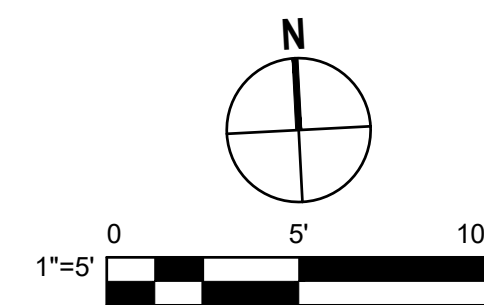
12 CURB RAMP DETAIL
CARLTON DR & QUENDALE AVE



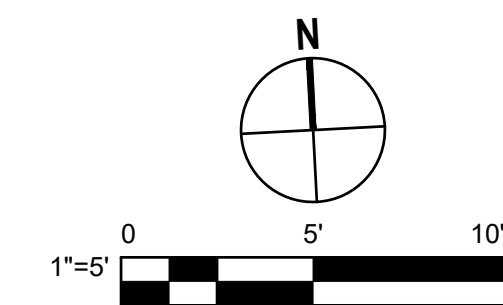
13 CURB RAMP DETAIL
CARLTON DR & QUENDALE AVE



14 CURB RAMP DETAIL
PLUMAS AVE & WARING ST



15 CURB RAMP DETAIL
PLUMAS AVE & WARING ST



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	
Designer	CO	Design Check	SG	
Project Manager	L. VAN PARYS	Checked	L. VAN PARYS	
Project Director	K. VEDULA	Approved	K. VEDULA	



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Project
FORTAG TRAIL PROJECT

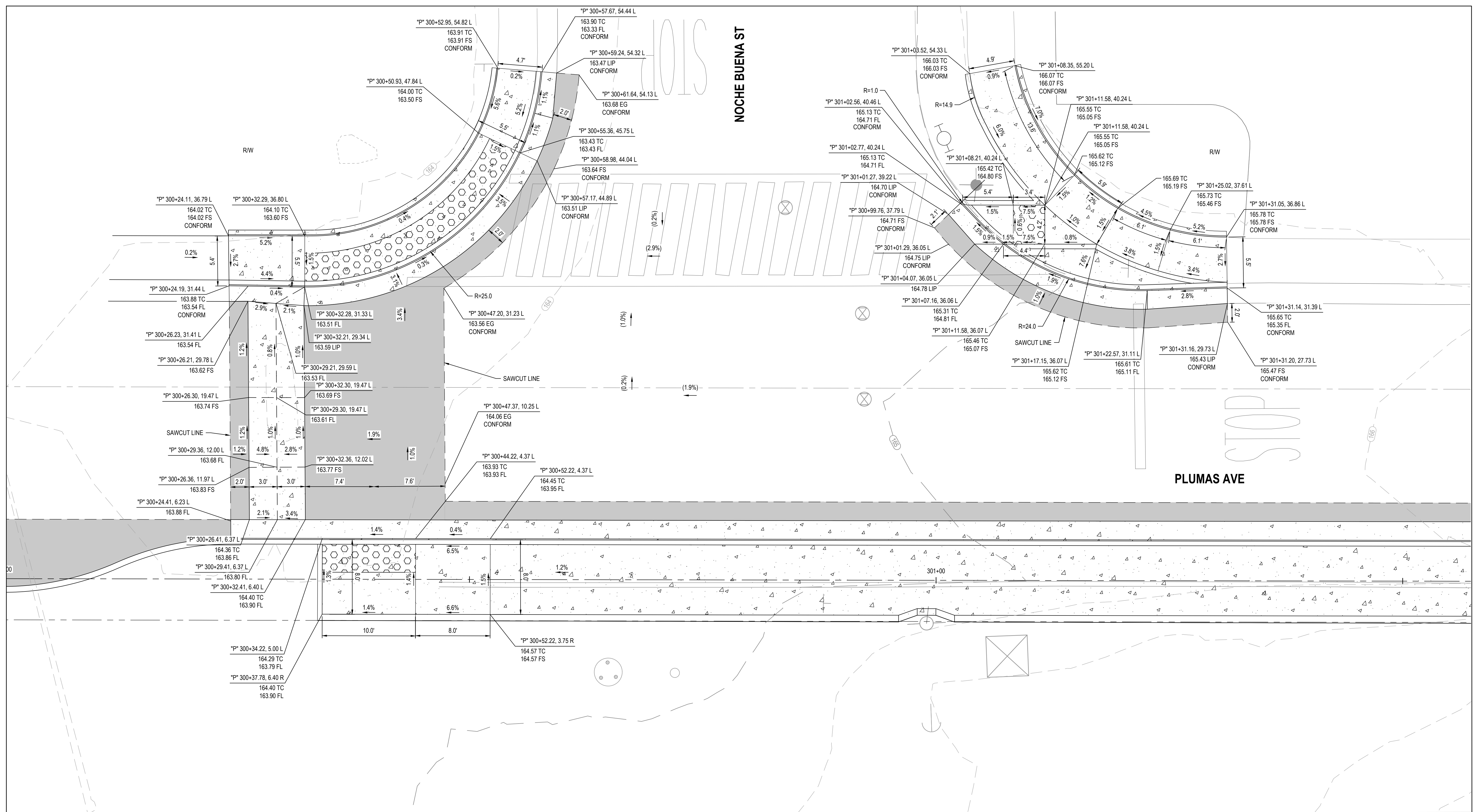
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Project No.
11220281

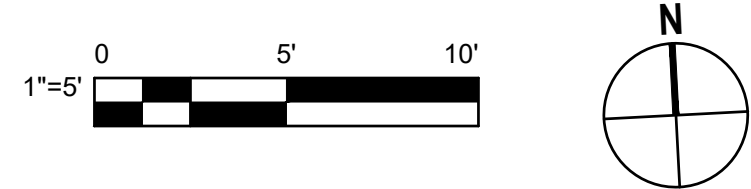
Date
December 1, 2023

Scale
1"=5'

Sheet No.
C-411
Sheet
62 of 195



**16 CURB RAMP DETAIL
PLUMAS AVE & NOCHE BUENA ST**



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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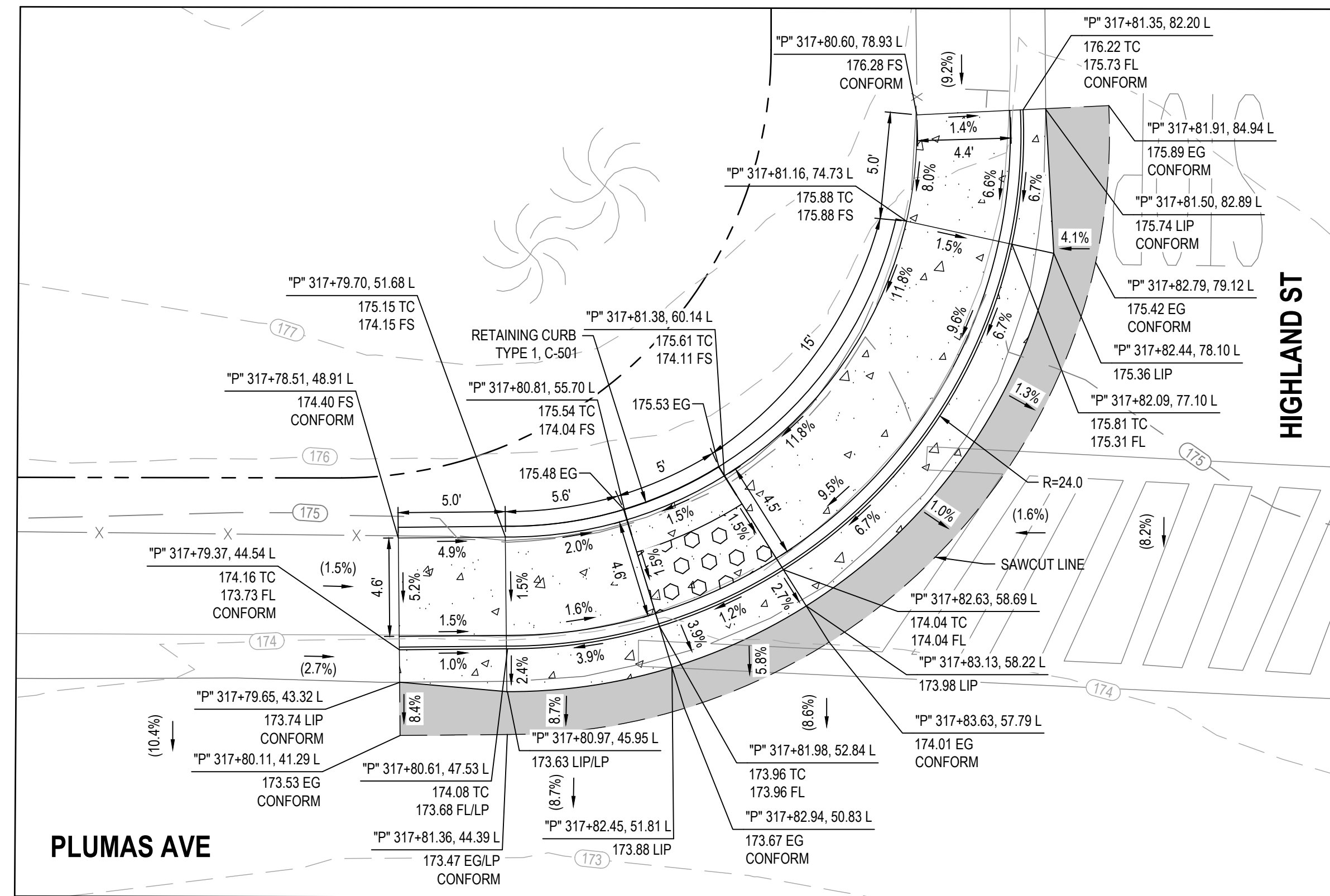
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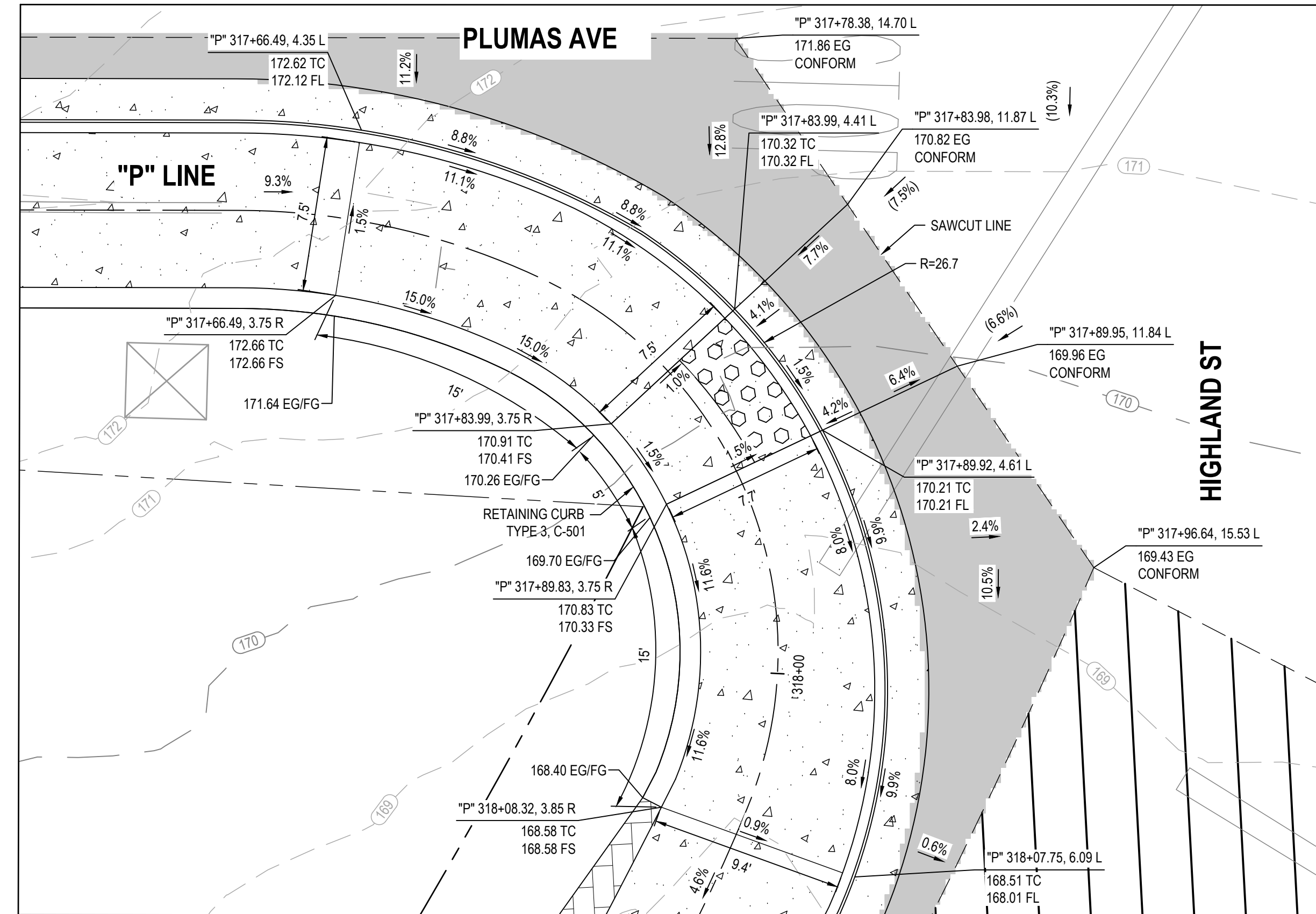
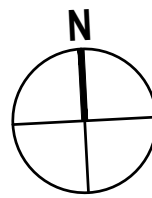
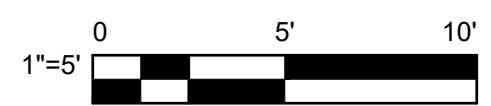


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	1"=5'

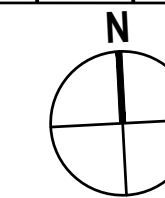
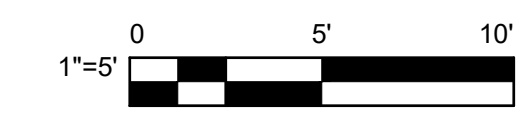
Title	CURB RAMP DETAIL - 5
Size	ANSI D
Status Code	
Sheet No.	C-412
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**17 CURB RAMP DETAIL
PLUMAS AVE & HIGHLAND ST**



**18 CURB RAMP DETAIL
PLUMAS AVE & HIGHLAND ST**



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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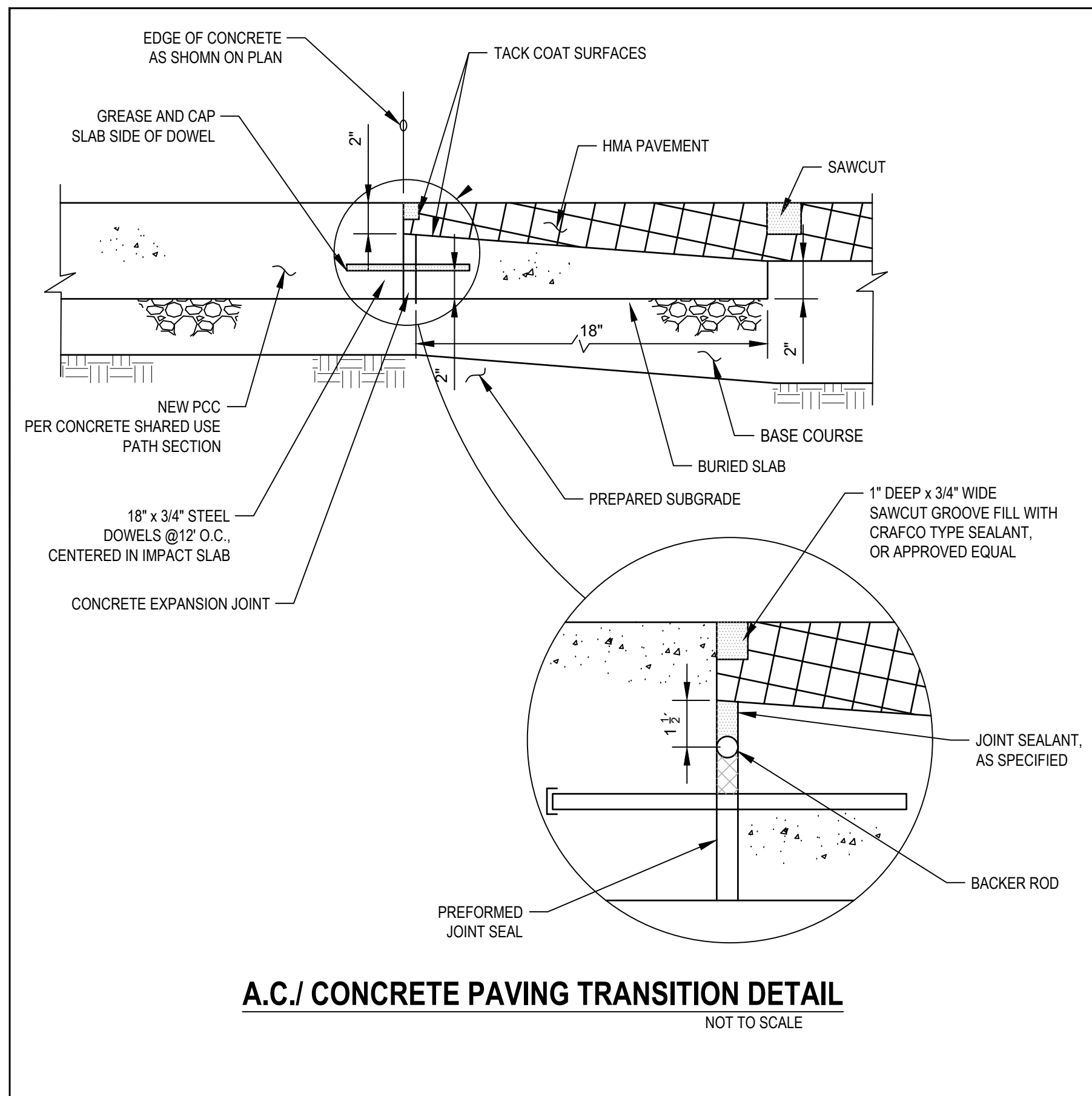
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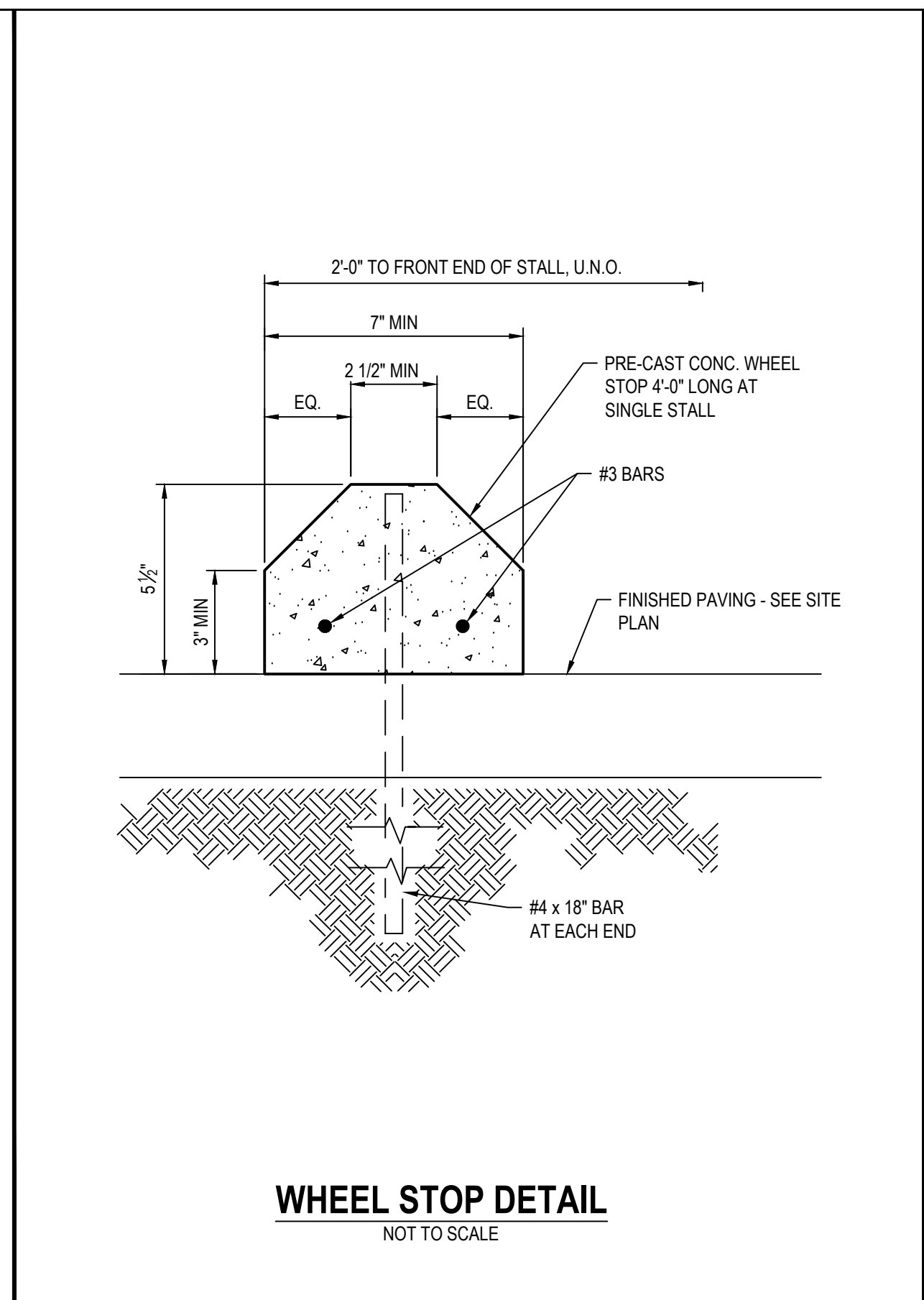


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY		
Project	FORTAG TRAIL PROJECT		
Project No.	11220281	Date	December 1, 2023
Scale	1"=5'		

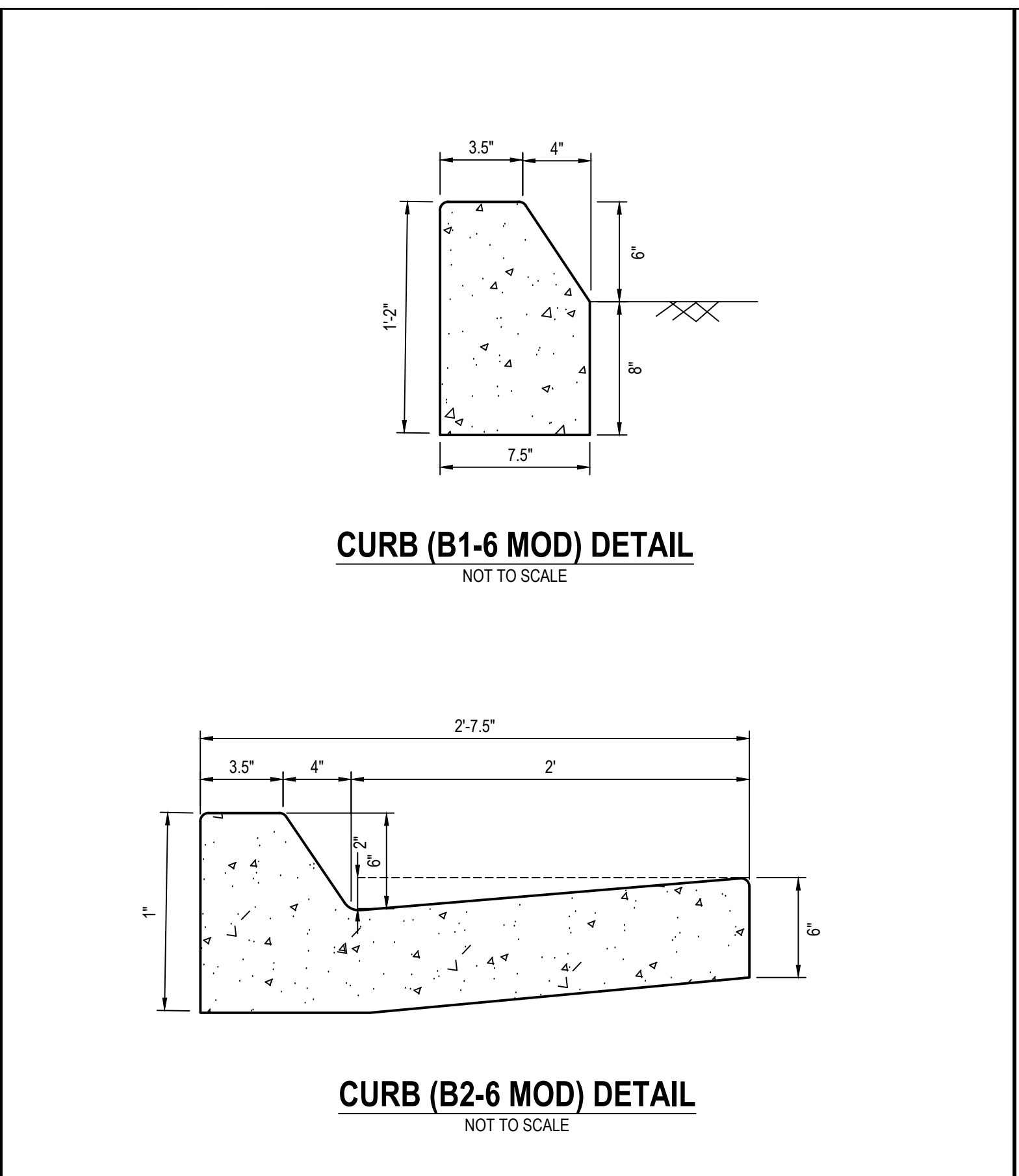
Title	CURB RAMP DETAILS - 6		
Sheet No.	C-413	Sheet	64 of 195



A.C./ CONCRETE PAVING TRANSITION DETAIL
NOT TO SCALE

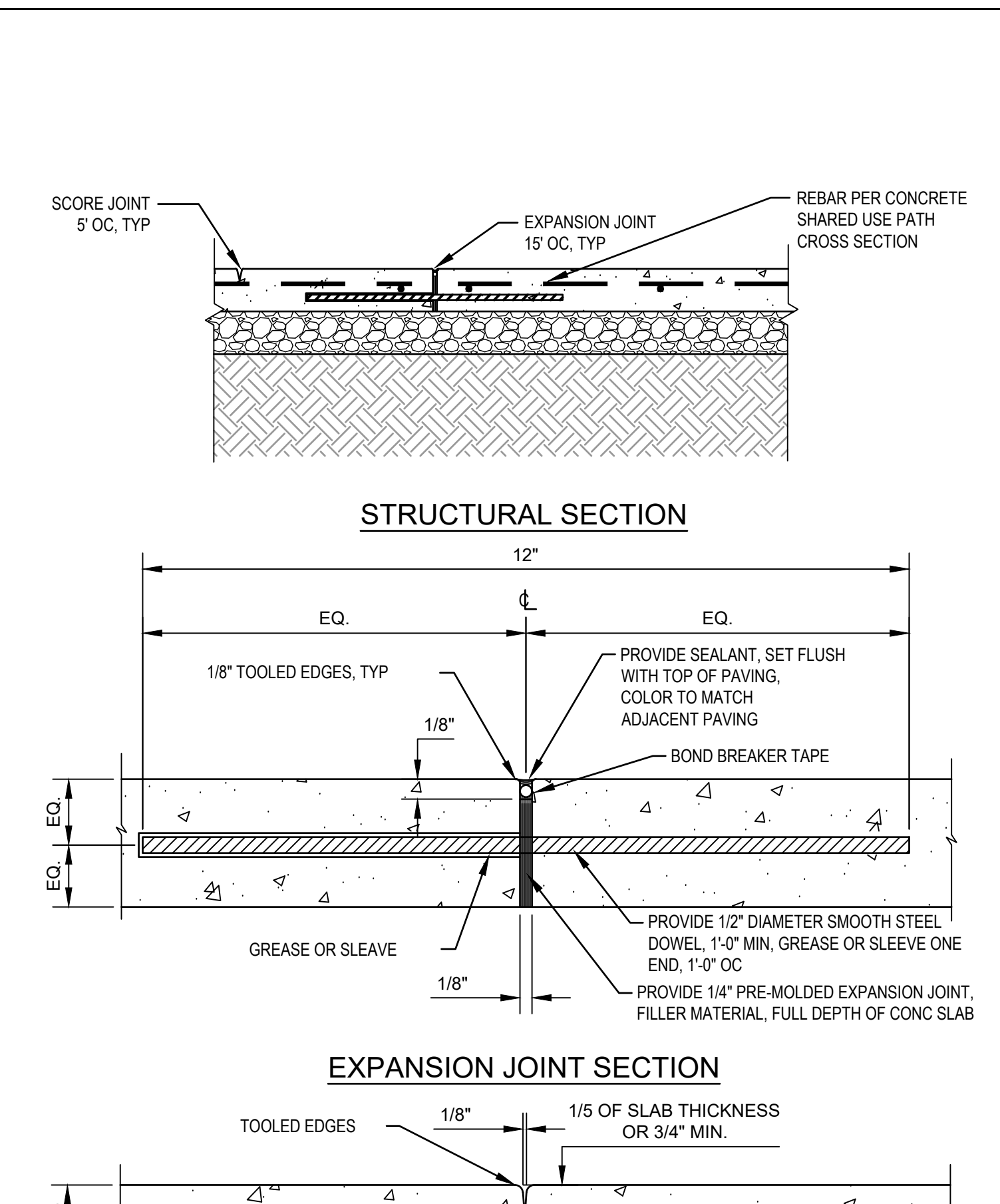


WHEEL STOP DETAIL
NOT TO SCALE



CURB (B1-6 MOD) DETAIL
NOT TO SCALE

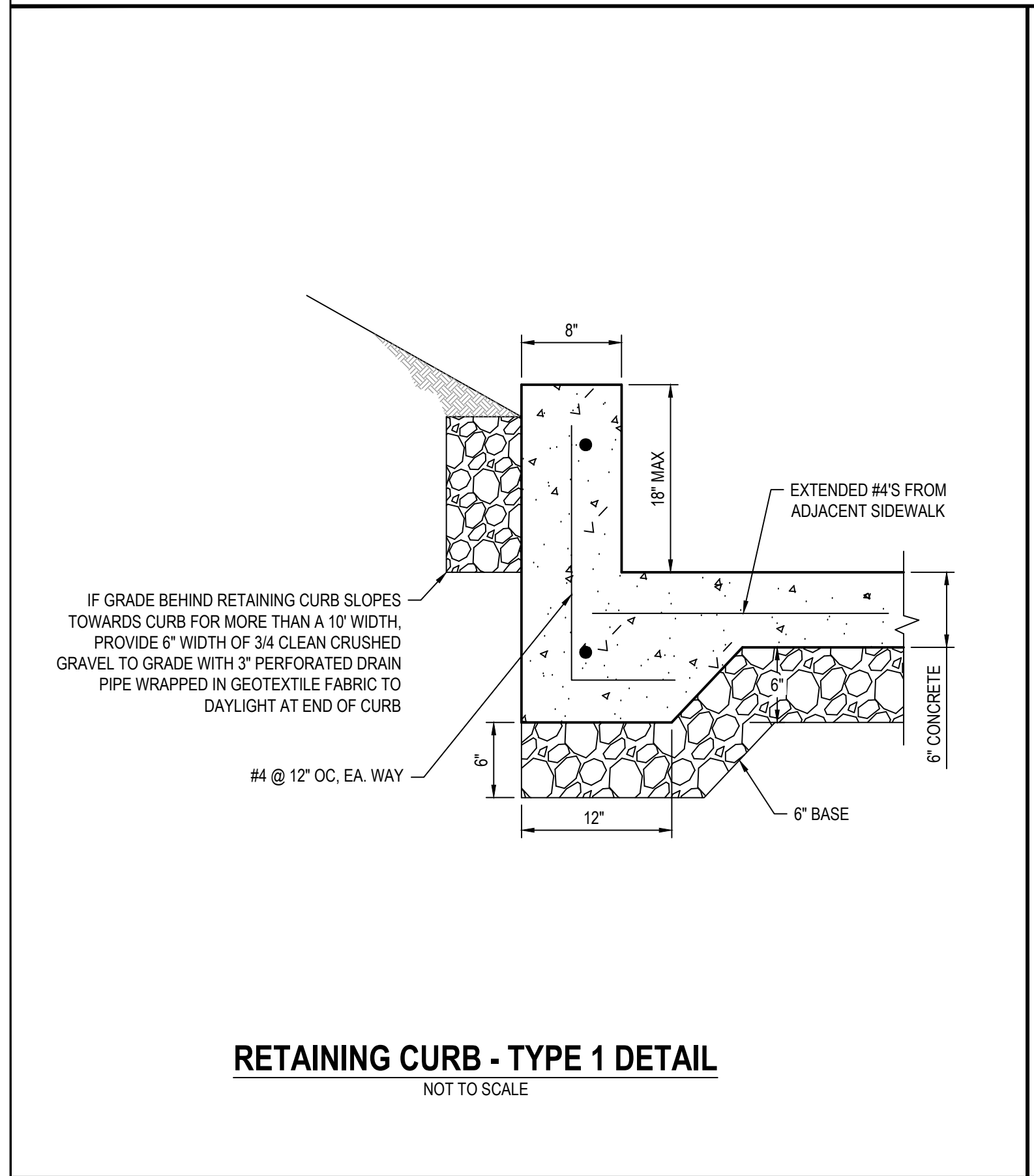
CURB (B2-6 MOD) DETAIL
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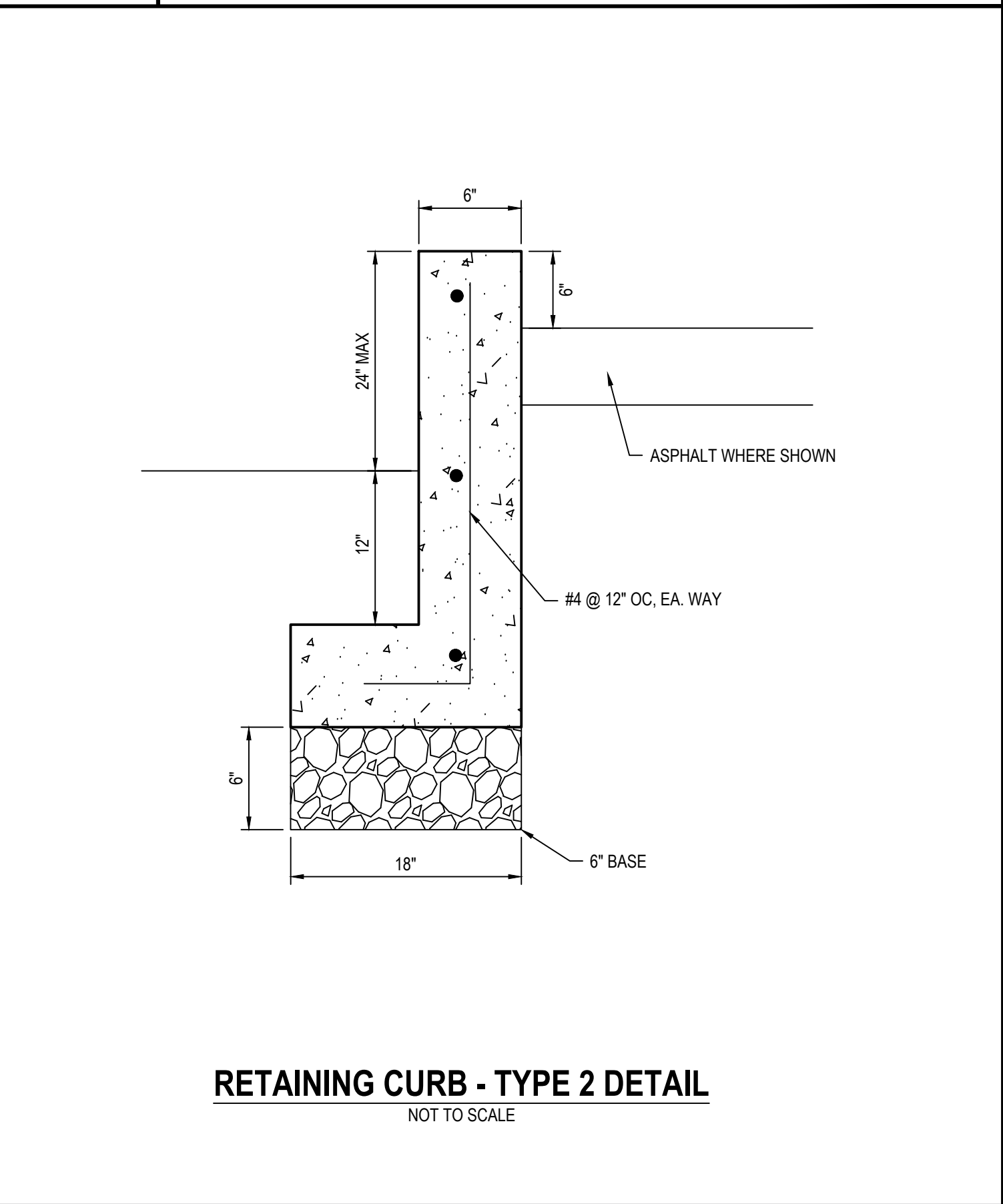
STRUCTURAL SECTION

EXPANSION JOINT SECTION

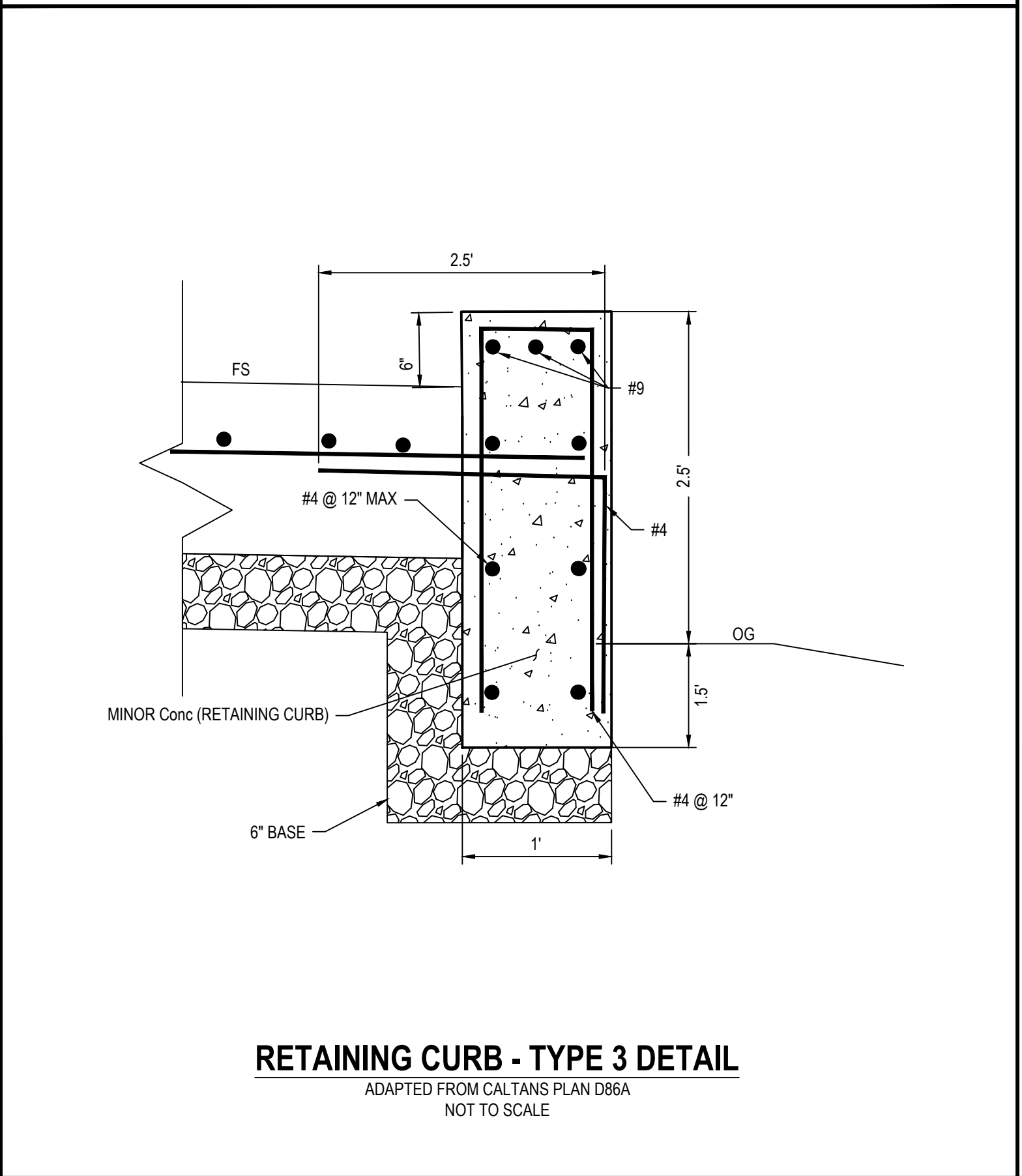
TOOLED SCORE JOINT SECTION



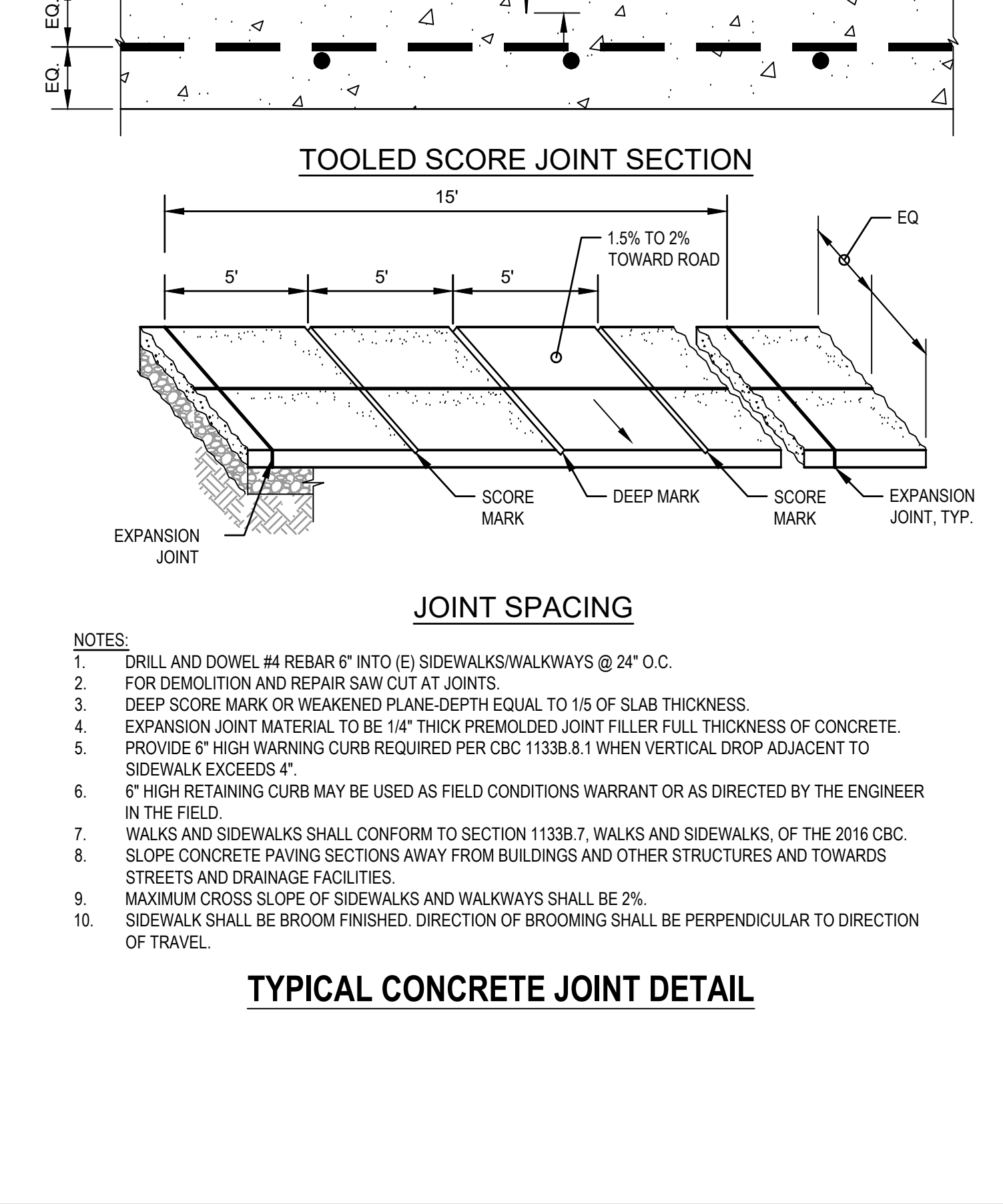
RETAINING CURB - TYPE 1 DETAIL
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RETAINING CURB - TYPE 2 DETAIL
NOT TO SCALE



RETAINING CURB - TYPE 3 DETAIL
ADAPTED FROM CALTRANS PLAN D86A
NOT TO SCALE



JOINT SPACING

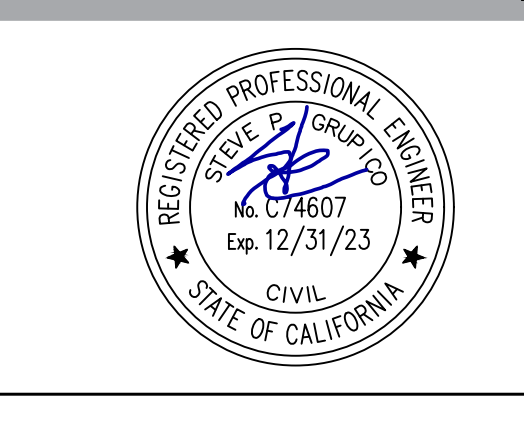
TYPICAL CONCRETE JOINT DETAIL

- NOTES:
1. DRILL AND DOWEL #4 REBAR 6" INTO (E) SIDEWALKS/WALKWAYS @ 24" O.C. FOR DEMOLITION AND REPAIR SAW CUT AT JOINTS.
 2. DEEP SCORE MARK OR WEAKENED PLANE-DEPTH EQUAL TO 1/5 OF SLAB THICKNESS.
 3. EXPANSION JOINT MATERIAL TO BE 1/4" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE.
 4. PROVIDE 6" HIGH WARNING CURB REQUIRED PER CBC 1133B.8.1 WHEN VERTICAL DROP ADJACENT TO SIDEWALK EXCEEDS 4".
 5. 6" HIGH RETAINING CURB MAY BE USED AS FIELD CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
 6. WALKS AND SIDEWALKS SHALL CONFORM TO SECTION 1133B.7, WALKS AND SIDEWALKS, OF THE 2016 CBC.
 7. SLOPE CONCRETE PAVING SECTIONS AWAY FROM BUILDINGS AND OTHER STRUCTURES AND TOWARDS STREETS AND DRAINAGE FACILITIES.
 8. MAXIMUM CROSS SLOPE OF SIDEWALKS AND WALKWAYS SHALL BE 2%.
 9. SIDEWALK SHALL BE BROOM FINISHED. DIRECTION OF BROOMING SHALL BE PERPENDICULAR TO DIRECTION OF TRAVEL.

No.	Issue	Author	Checked	Approved	Date
1	EM	EM	SG	L. VAN PARYS	
2	CO	CO	SG	K. VEDULA	



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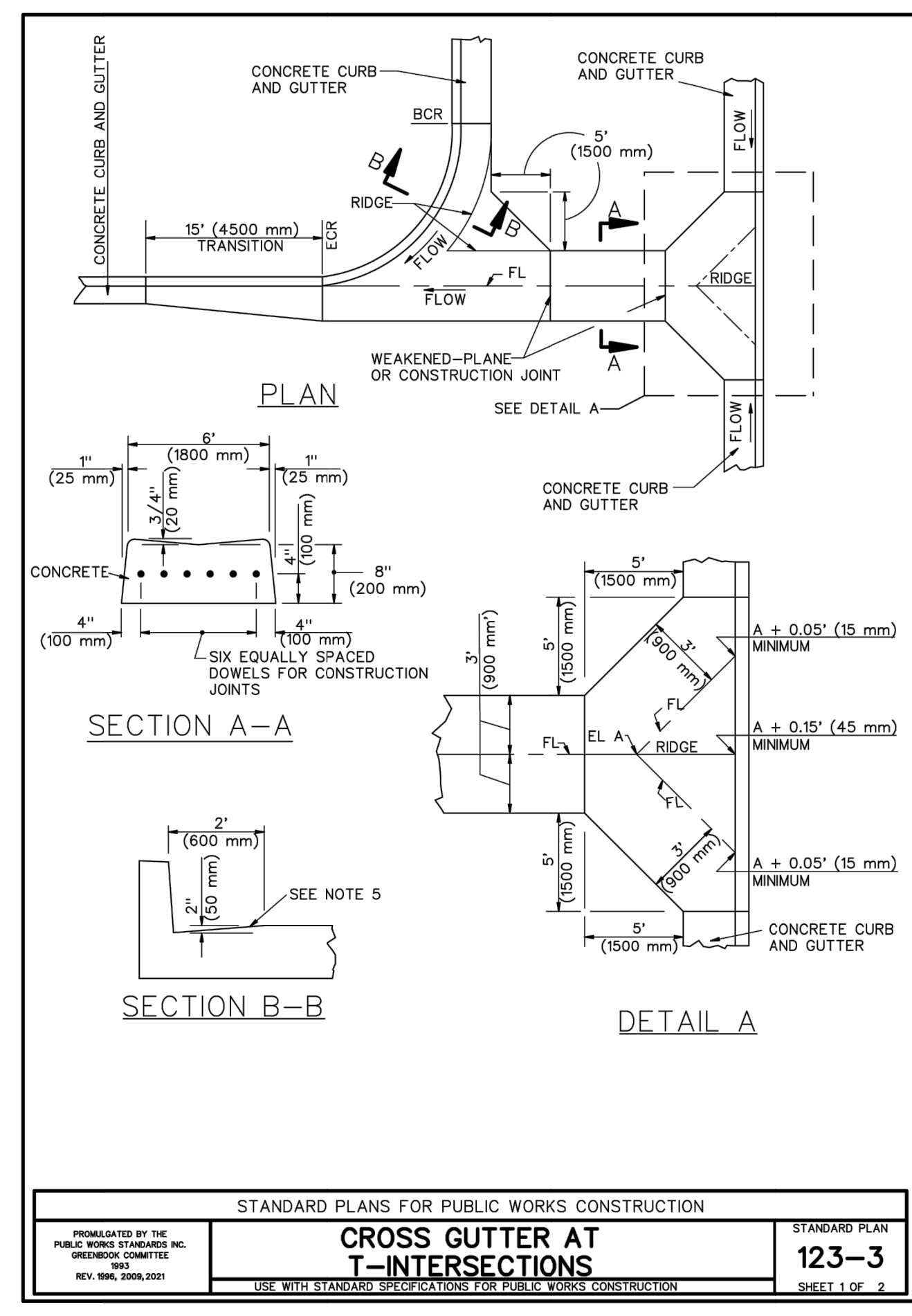
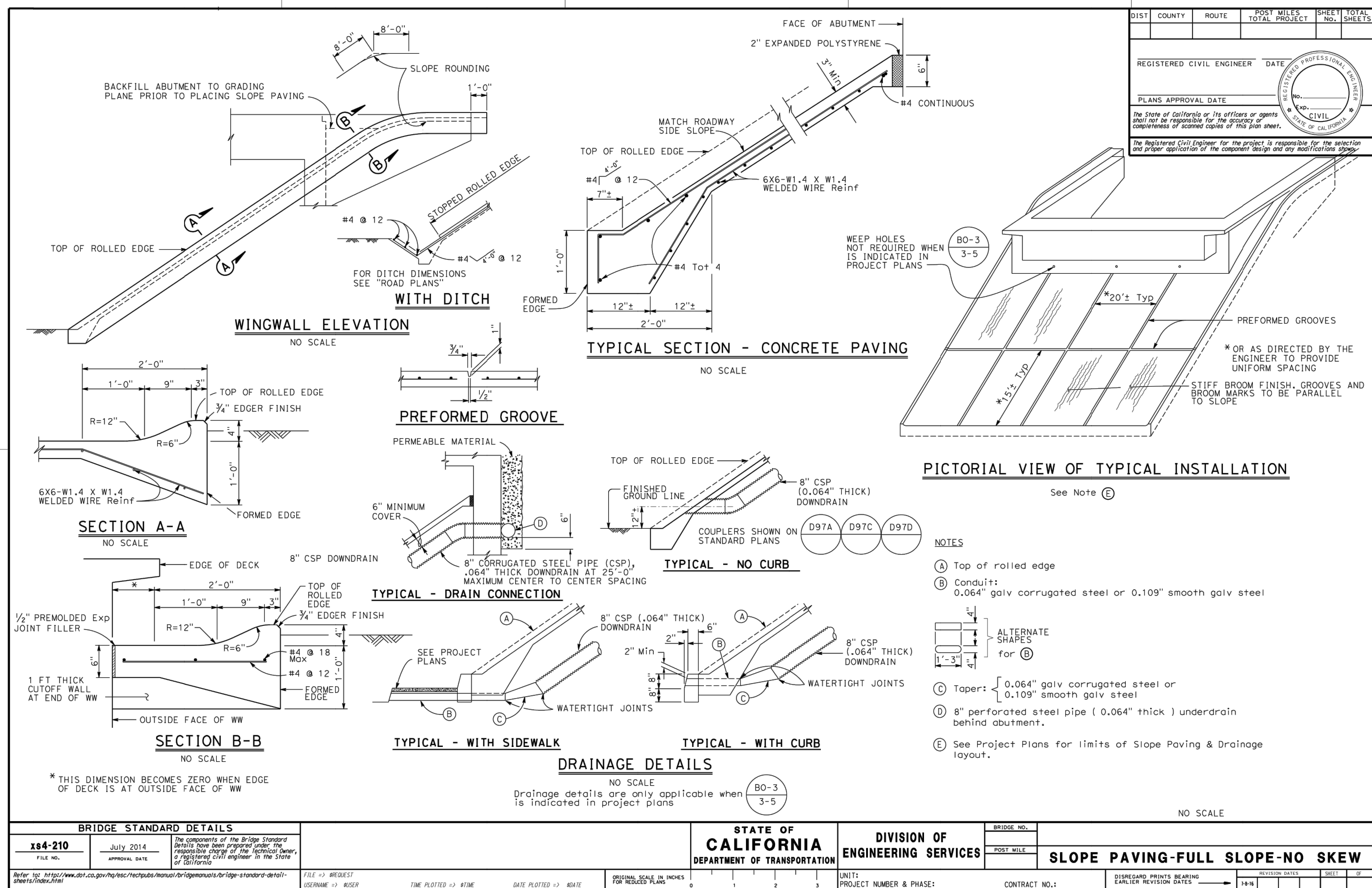
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title CIVIL DETAILS - 1
Project FORTAG TRAIL PROJECT	Project No. 11220281
Date December 1, 2023	Scale AS SHOWN

Size
ANSI D

Status Code

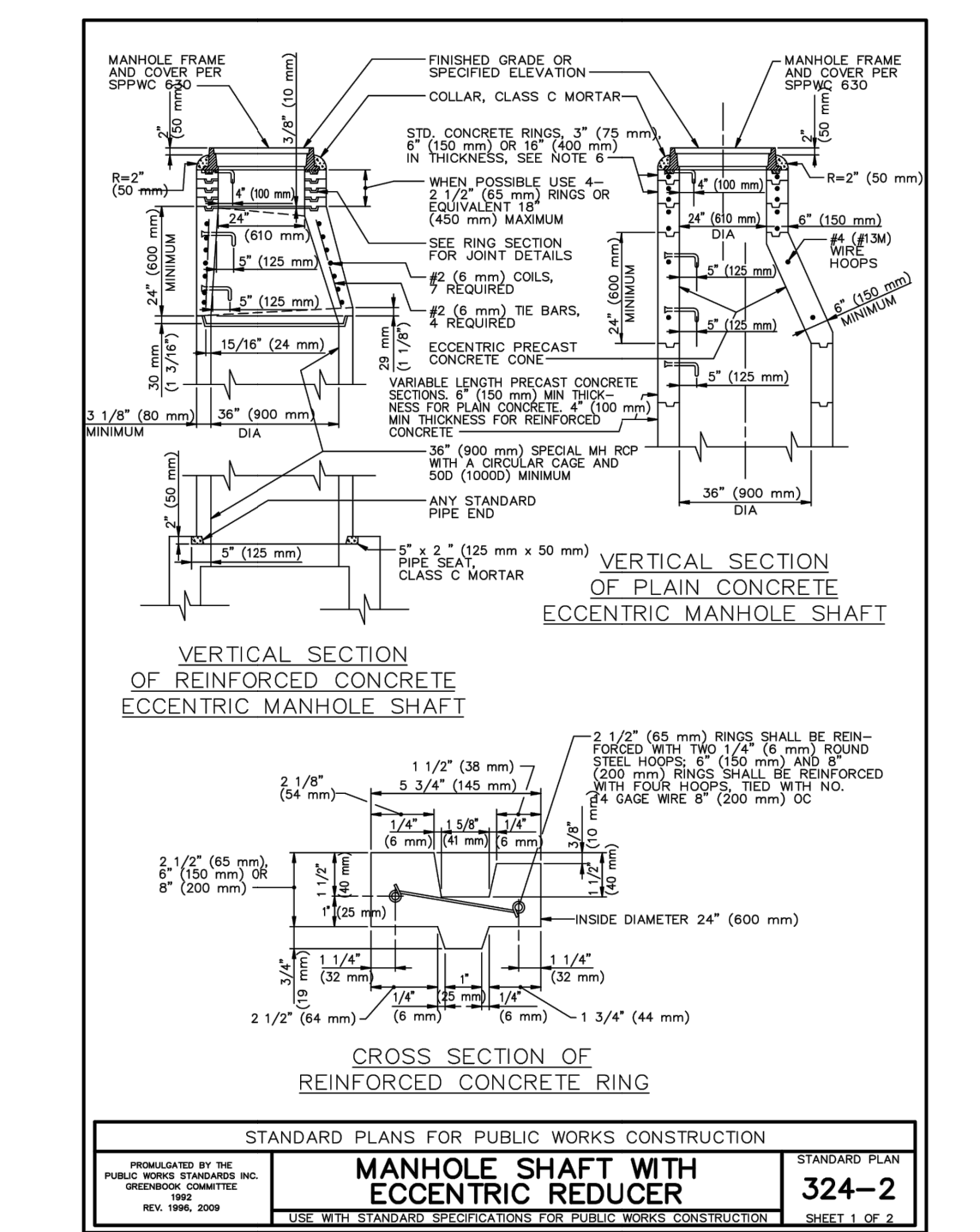
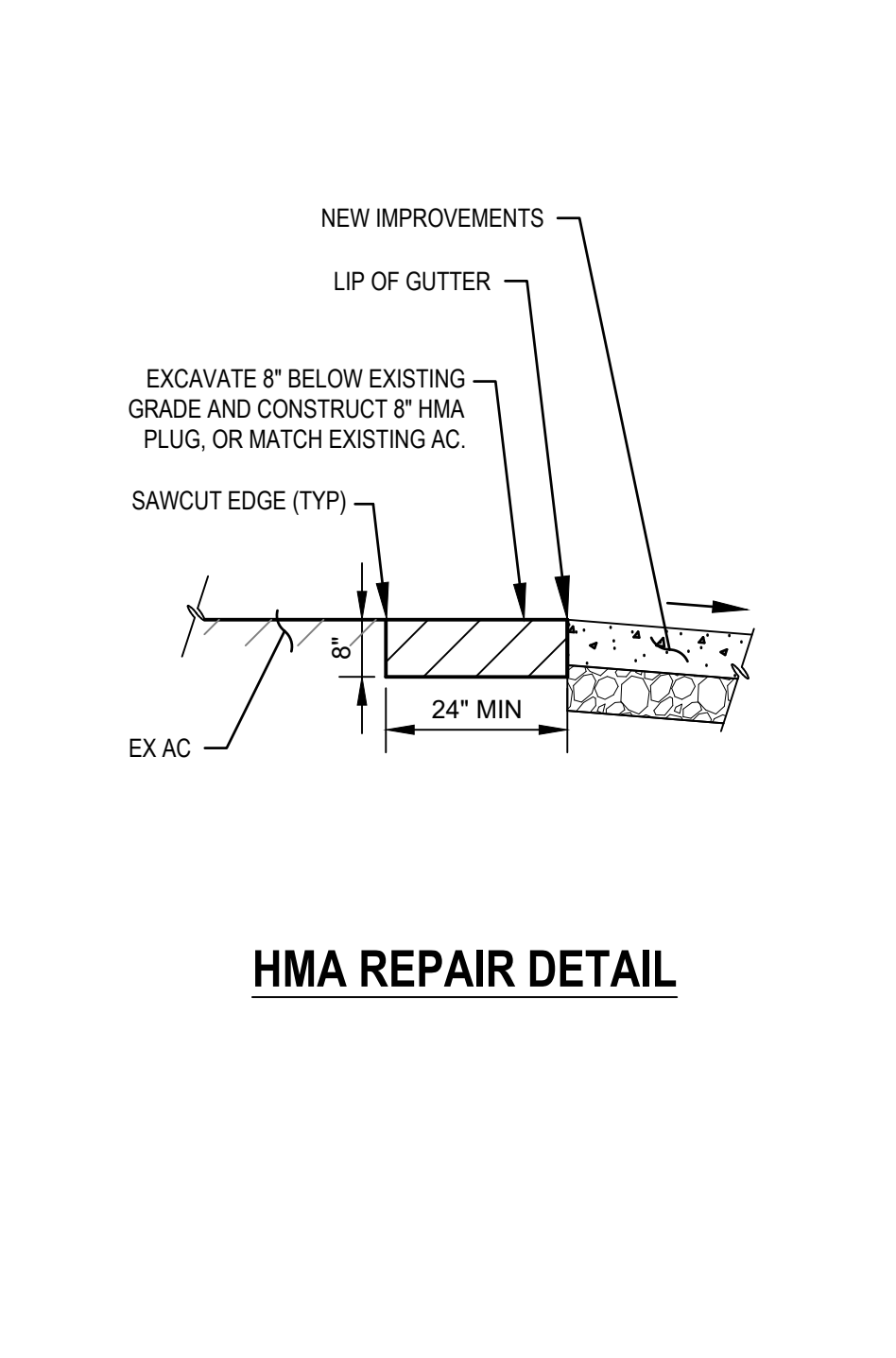
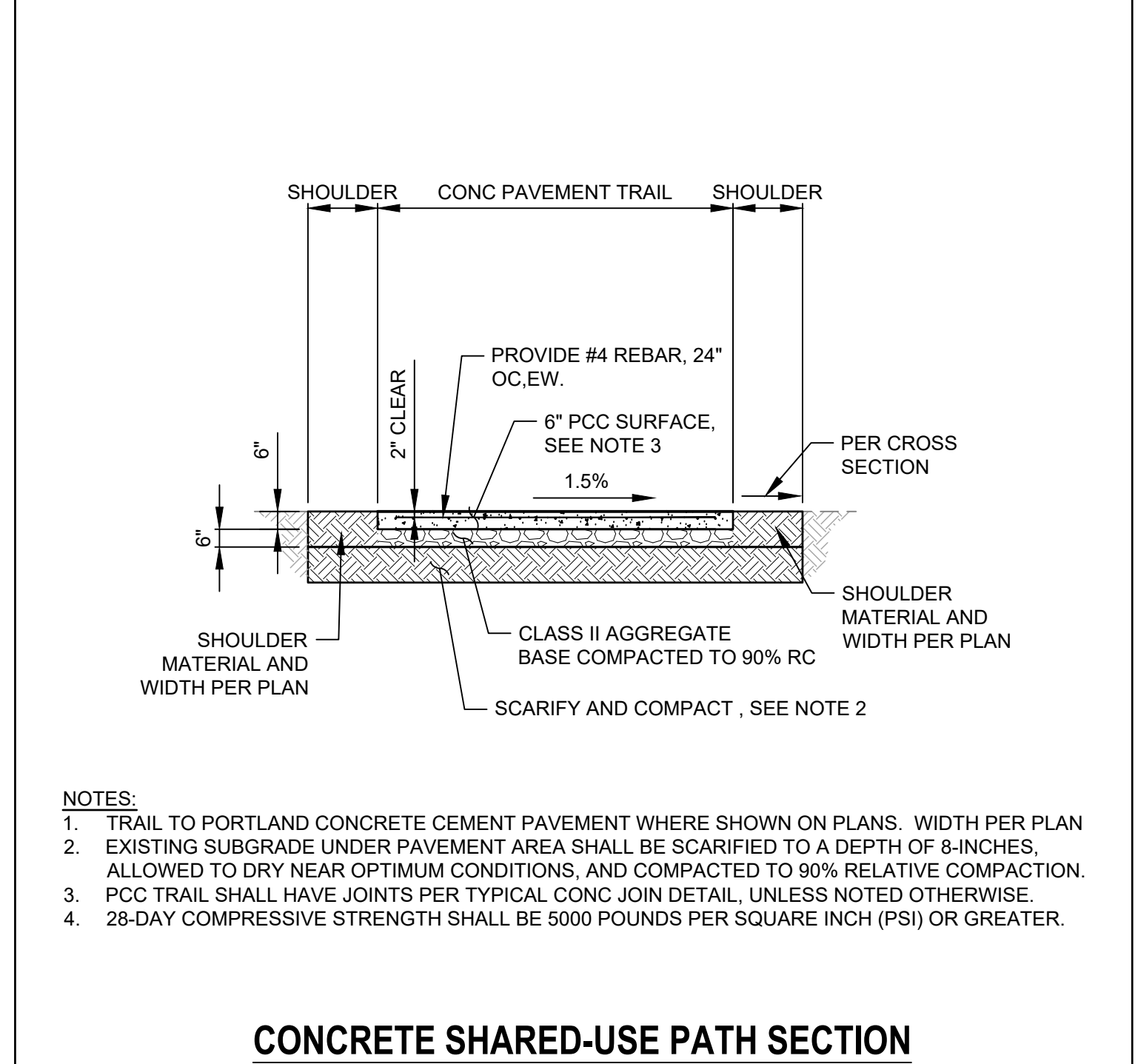
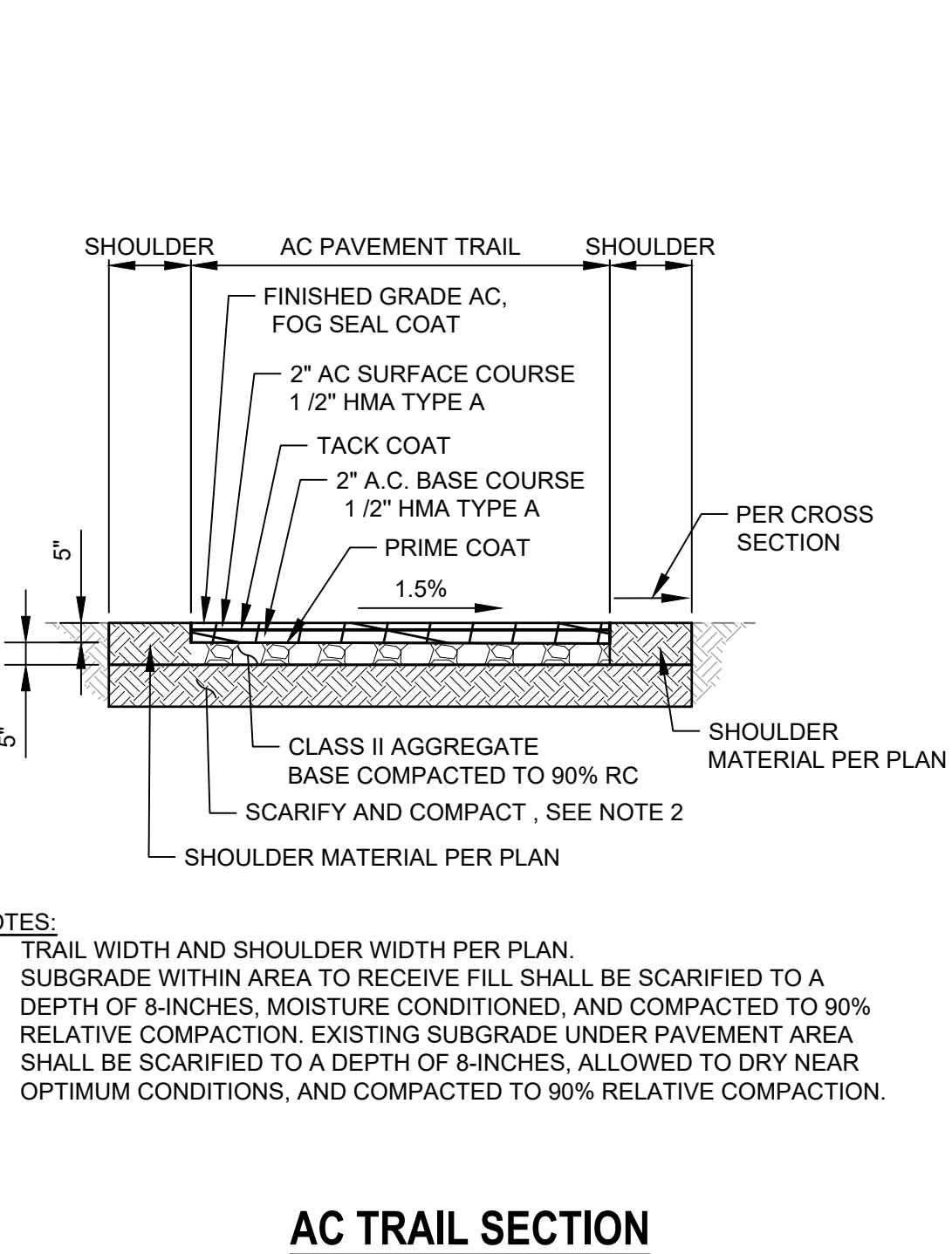
Sheet No.
C-501

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NOTES:

- WEAKENED-PLANE JOINTS SHALL BE PLASTIC CONTROL JOINTS OR 1-1/2" (40 mm) DEEP SAW CUTS. CONCRETE SAWING SHALL TAKE PLACE WITHIN 24 HOURS AFTER CONCRETE IS PLACED.
- DOWELS FOR CONSTRUCTION JOINTS SHALL BE #4 BARS 18" LONG (#13M BARS 450 mm LONG).
- ALL EXPOSED CORNERS ON CONCRETE CURBS AND GUTTERS SHALL BE ROUNDED WITH 1/2" (15 mm) RADIUS.
- CONCRETE SHALL BE INTEGRAL WITH CURB UNLESS OTHERWISE SPECIFIED.
- ADJACENT TO CURB RAMPS, CONCRETE SLOPE SHALL BE 5% MAXIMUM FOR A DISTANCE OF 5 FEET (1525 mm) FROM THE CURB FACE FOR THE WIDTH OF THE WIDTH OF THE RAMP, NOT INCLUDING SIDE TRANSITION CURBS.



NOTES:

- UNLESS OTHERWISE INDICATED THIS STRUCTURE SHALL CONFORM TO ASTM C 478M (ASTM C 478) AND ALL CONCRETE SHALL BE PER SPWC 201-1.2.
- MANHOLE FRAME AND COVER SHALL CONFORM TO SPWC 630.
- ALL JOINTS SHALL BE SEALED BY FILLING THE ANNULAR SPACES WITH CLASS C MORTAR. THE INSIDE OF THE SHAFT AT EACH JOINT SHALL BE WIPED CLEAN OF EXCESS MORTAR.
- PROTECTIVE PLASTIC LINER (T LOCK) OR ENGINEER-APPROVED COATINGS WHERE REQUIRED BY THE PLANS SHALL BE IN ACCORDANCE WITH SPWC AND THE MANUFACTURER'S DIRECTIONS.
- STEPS SHALL CONFORM TO SPWC 635 OR 636. THE TOP STEP SHALL BE PLACED DIRECTLY BENEATH THE MANHOLE FRAME. UNLESS OTHERWISE SHOWN, STEPS SHALL BE UNIFORMLY SPACED 14" (350 mm) TO 15" (375 mm) OC.
- THE ECCENTRIC MANHOLE SHAFT REDUCER AND RINGS MAY BE PLAIN CONCRETE. FOR PLAIN CONCRETE SECTIONS THE MINIMUM THICKNESS SHALL BE 6" (150 mm).
- THE PRECAST CONCRETE MANHOLE STRUCTURES WILL BE INSPECTED BY THE ENGINEER WHO WILL INDICATE ACCEPTANCE FOR SHIPMENT TO THE JOB BY MARKING THE STRUCTURES WITH THE AGENCY'S STAMP.
- THE VERTICAL SIDES OF THE MANHOLE SHAFT AND THE ECCENTRIC REDUCER SHALL BE LOCATED ABOVE AND IN LINE WITH THE SIDE OF THE STORM DRAIN CONDUIT.
- CONSTRUCT MANHOLE SAFETY LEDGE PER SPWC 330 IF DEPTH OF MANHOLE TO INVERT IS GREATER THAN 20' (6 m) AND MANHOLE SHAFT IS GREATER THAN 10' (3 m). WHEN SAFETY LEDGE IS REQUIRED AND MANHOLE SHAFT IS LESS THAN 12' (4 m) SPWC 328 MUST BE USED.
- THE FOLLOWING SPWC ARE INCORPORATED HEREIN:
 630 24" (600 mm) MANHOLE FRAME AND COVER
 635 STEEL STEP
 636 POLYPROPYLENE PLASTIC STEP

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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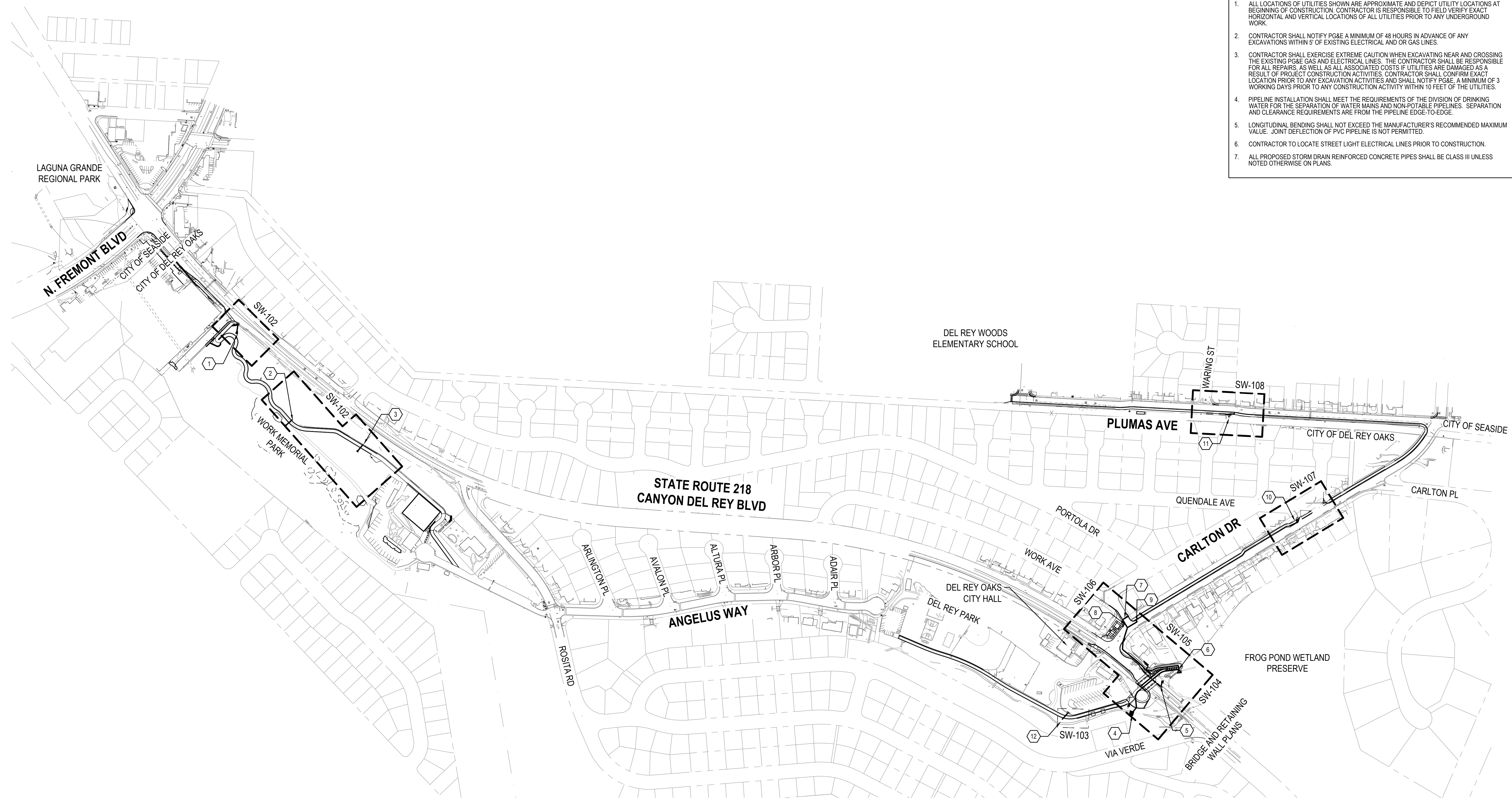


Client: TRANSPORTATION AGENCY FOR MONTEREY COUNTY
 Project: FORTAG TRAIL PROJECT
 Project No.: 11220281
 Date: December 1, 2023
 Scale: AS SHOWN

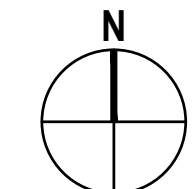
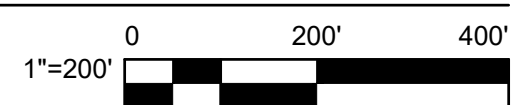
Title: CIVIL DETAILS - 2
 Status Code: AS SHOWN
 Sheet No.: C-502
 Sheet: 66 of 195

SHEET GENERAL NOTES

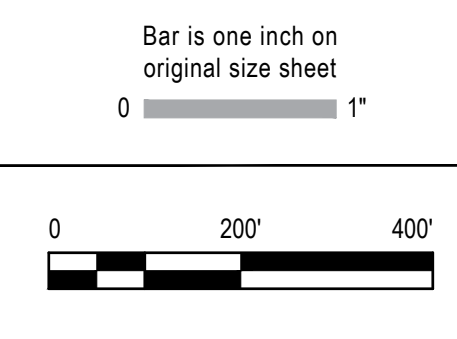
1. ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND DEPICT UTILITY LOCATIONS AT BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO ANY UNDERGROUND WORK.
2. CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND OR GAS LINES.
3. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
4. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
5. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
6. CONTRACTOR TO LOCATE STREET LIGHT ELECTRICAL LINES PRIOR TO CONSTRUCTION.
7. ALL PROPOSED STORM DRAIN REINFORCED CONCRETE PIPES SHALL BE CLASS III UNLESS NOTED OTHERWISE ON PLANS.



1 DRAINAGE PLAN - SYSTEM KEY MAP



No.	Issue	Checked	Approved	Date	
Author	AJP	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	AJP	Design Check	SG	Project Director	K. VEDULA



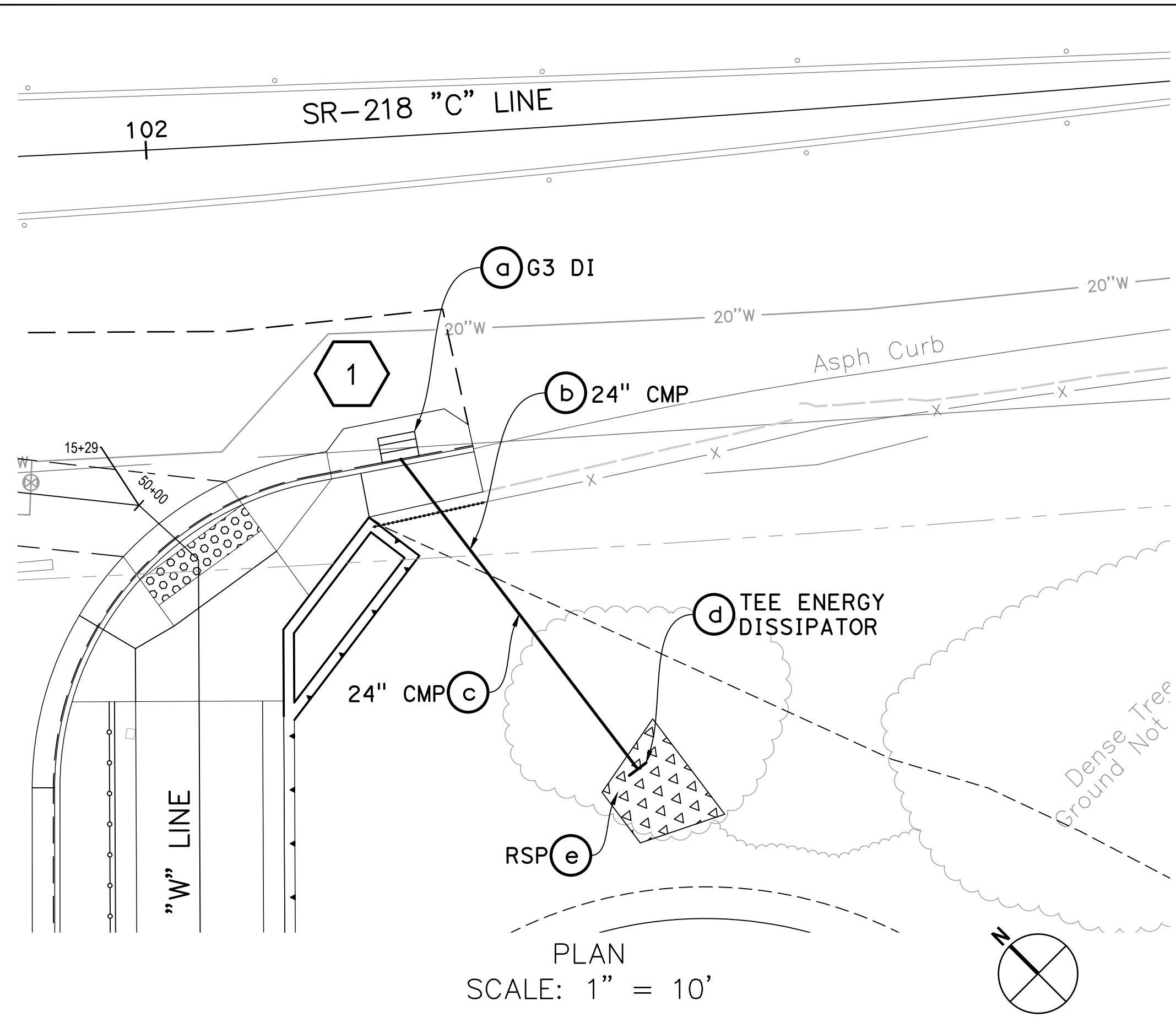
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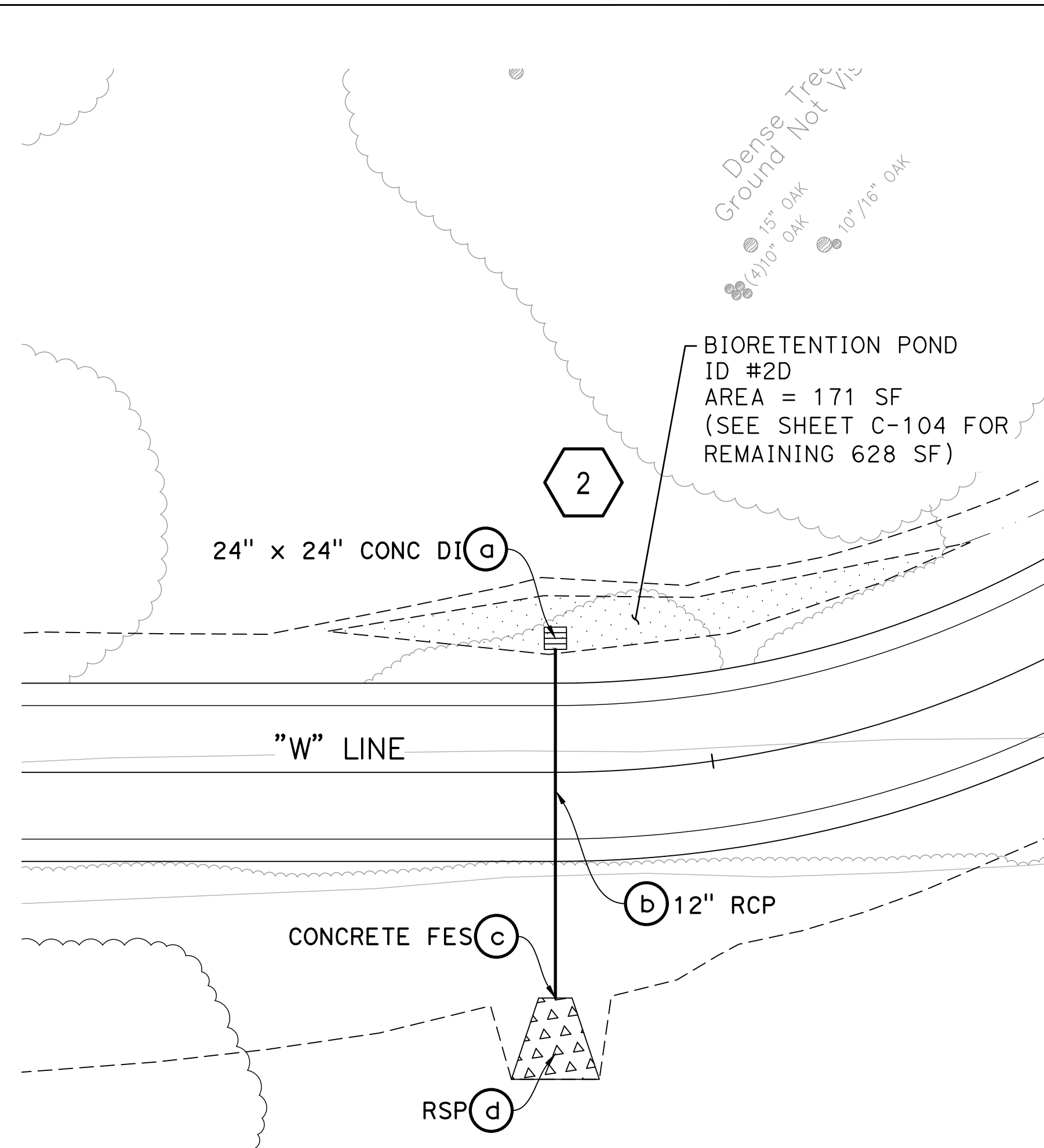


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

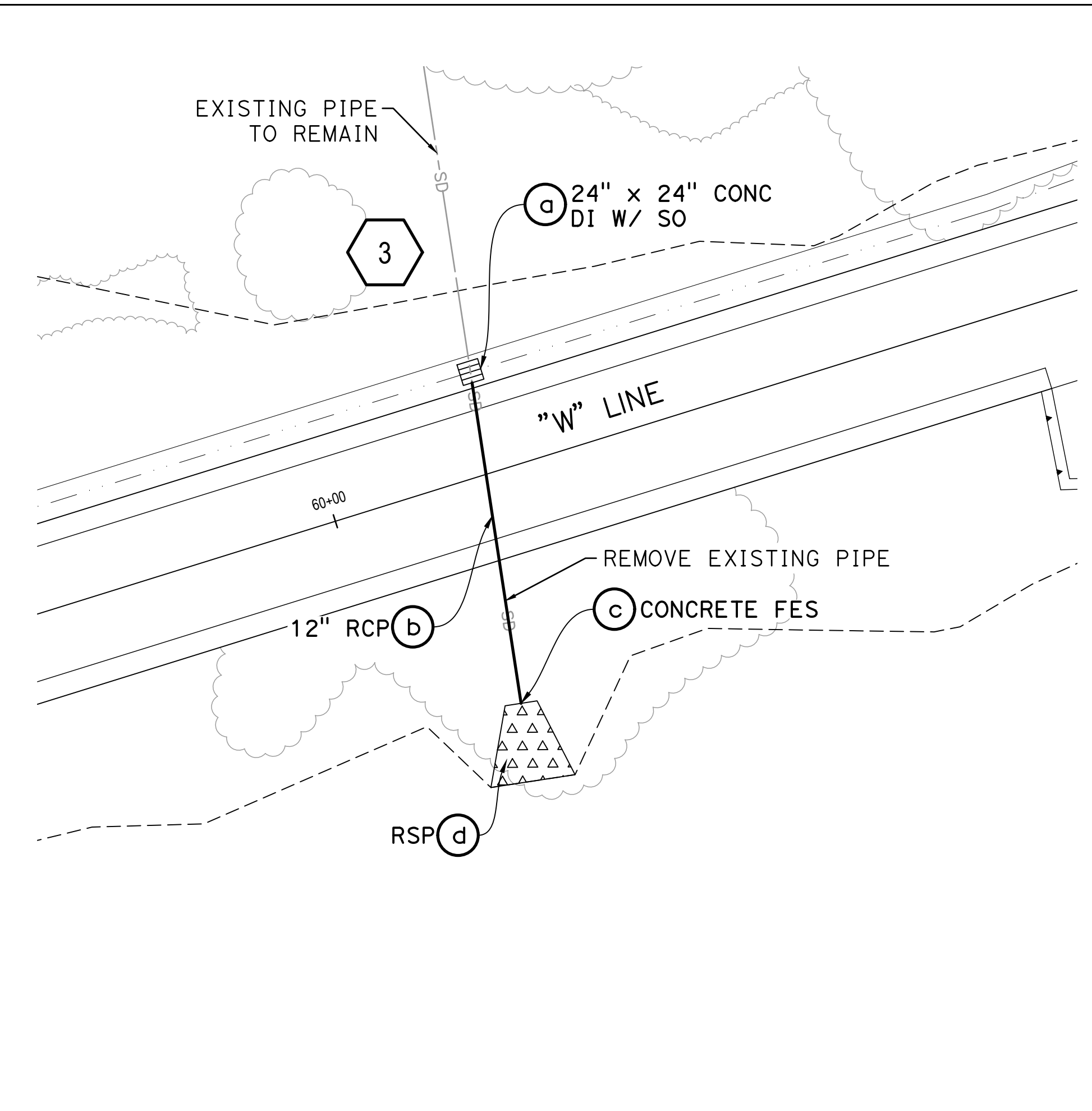
Title	DRAINAGE PLAN - 1
Size	ANSI D
Status Code	
Sheet No.	SW-101
Sheet	67 of 195



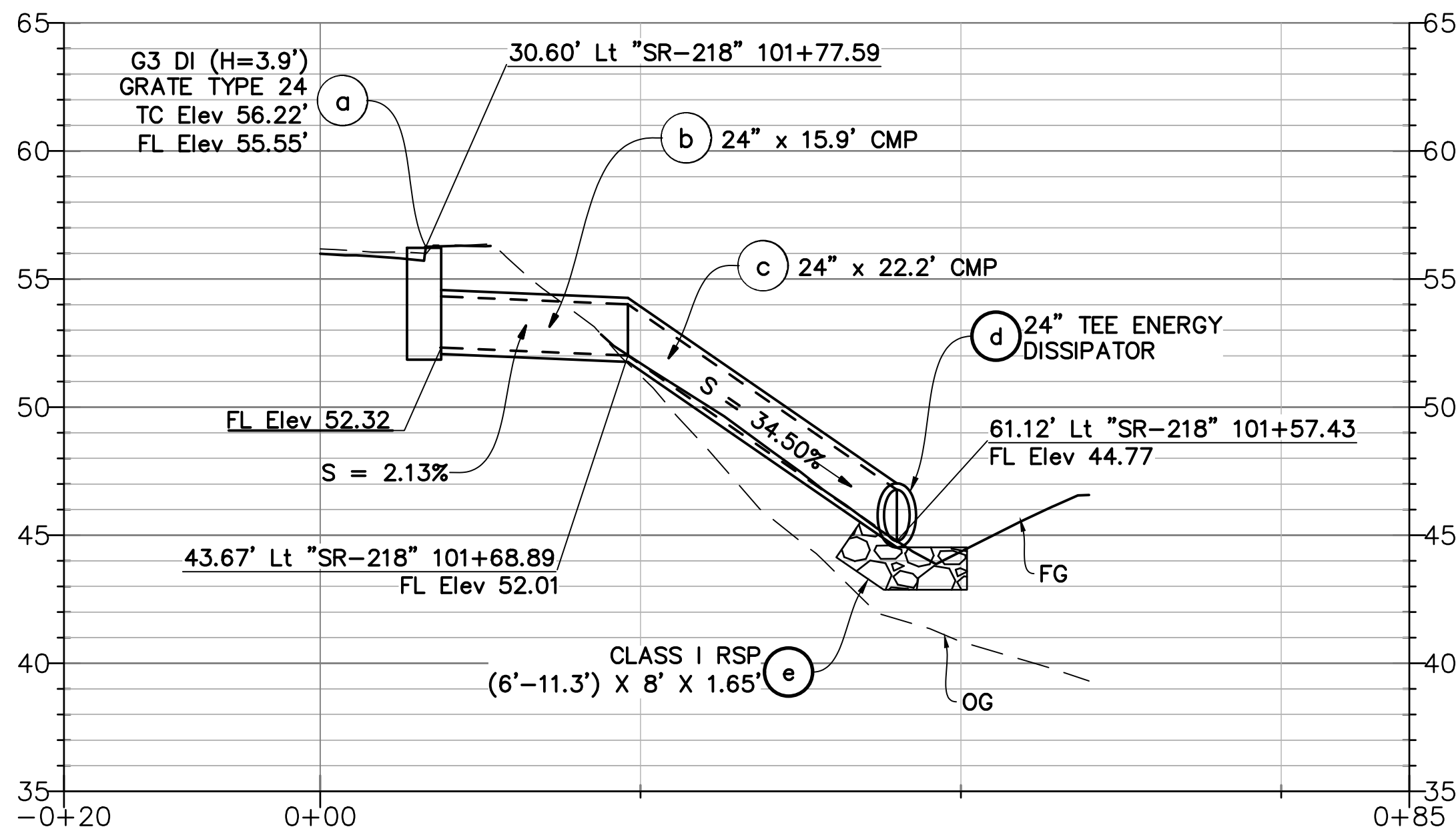
PLAN
SCALE: 1" = 10'



PLAN
SCALE: 1" = 10'

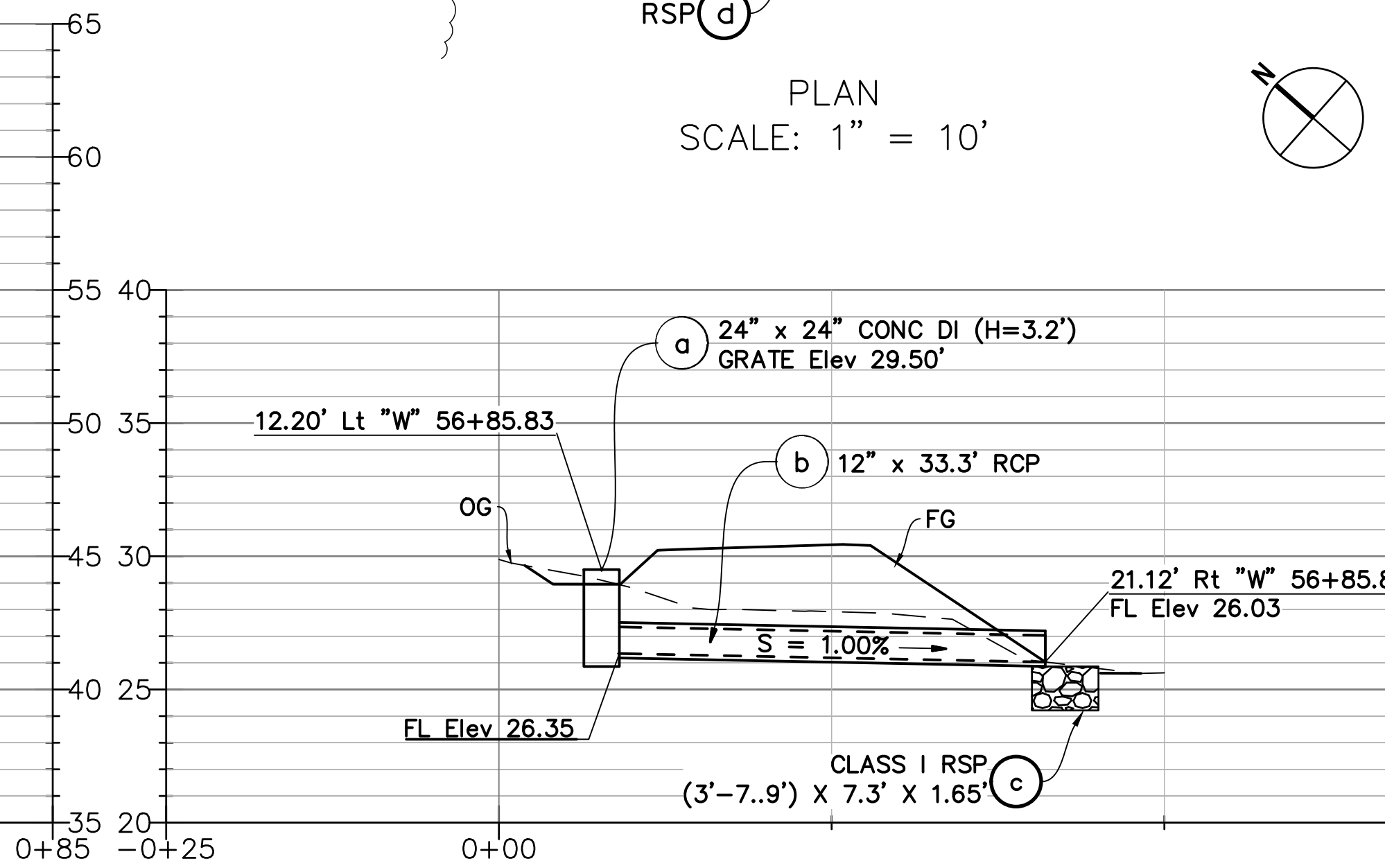


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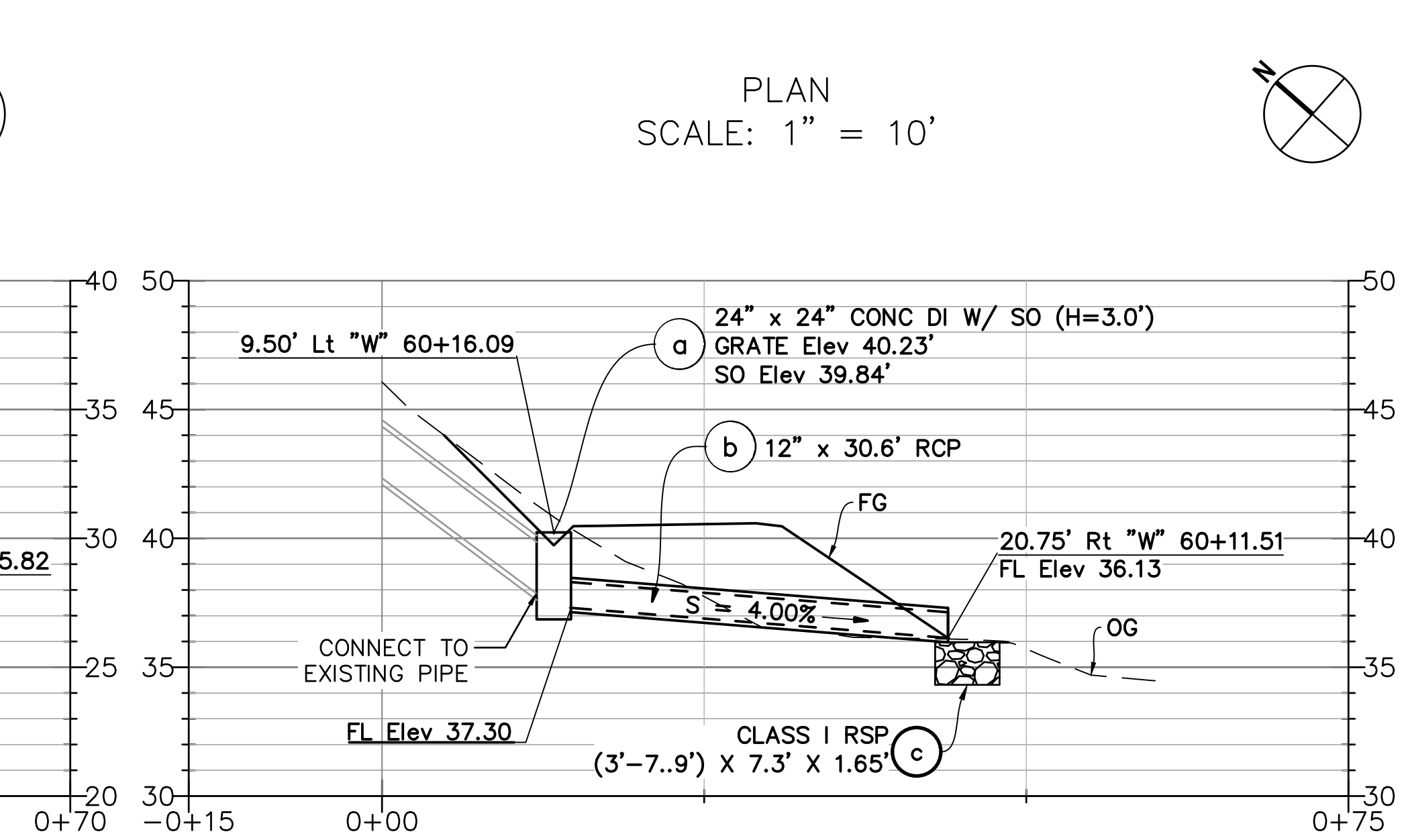
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Vert 1" = 5'

DRAINAGE SYSTEM No. 1



PROFILE
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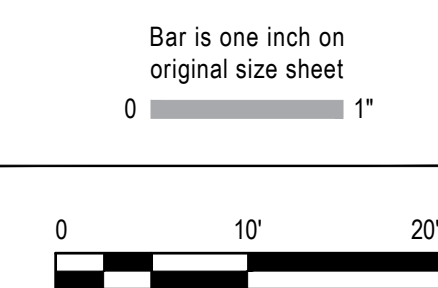
DRAINAGE SYSTEM No. 2



PROFILE
SCALE: Horiz 1" = 10'
Vert 1" = 5'

DRAINAGE SYSTEM No. 3

No.	Issue	Author	Checked	Approved	Date
1	Issue	AJP	SG	L. VAN PARYS	
2	Issue	AJP	SG	K. VEDULA	

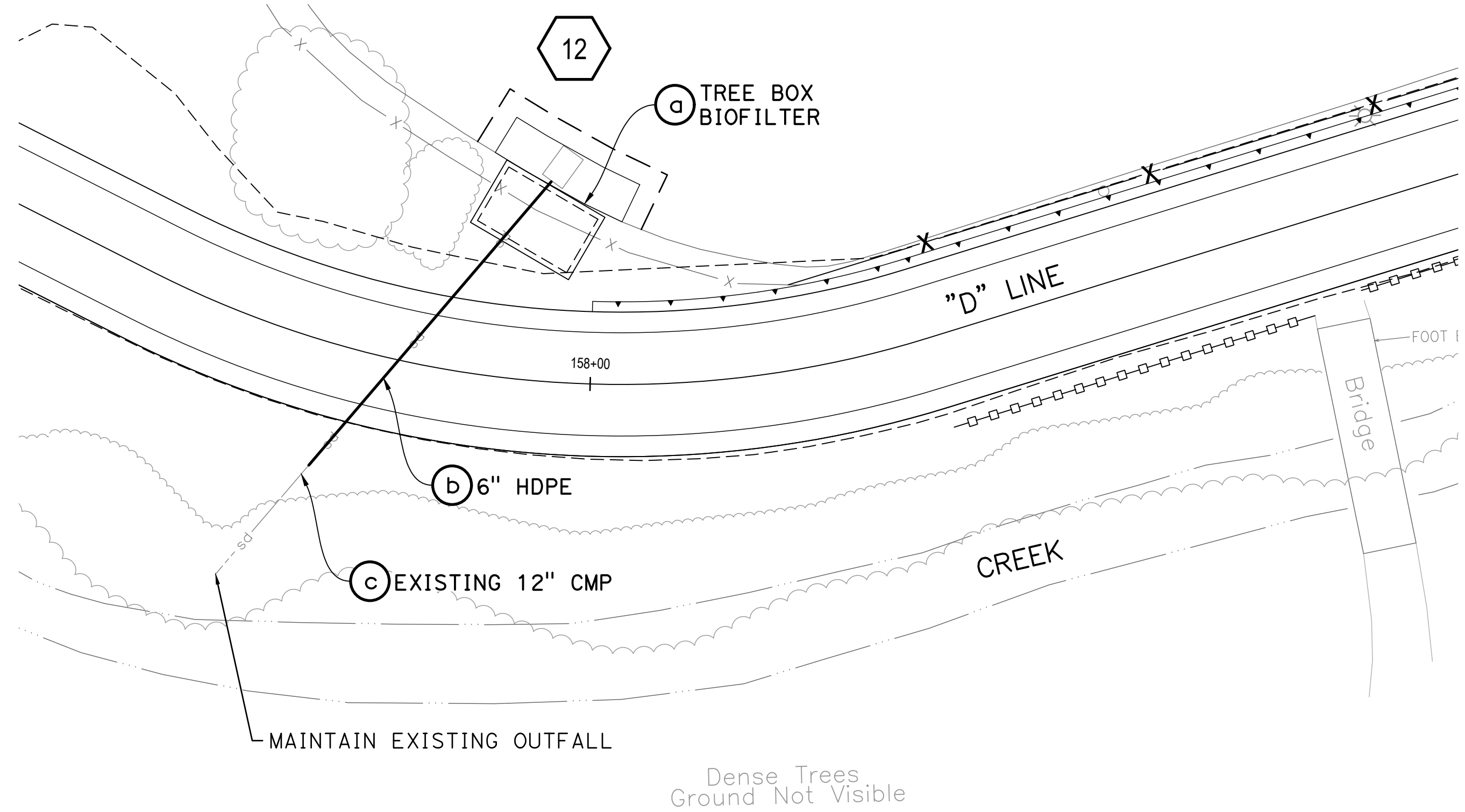


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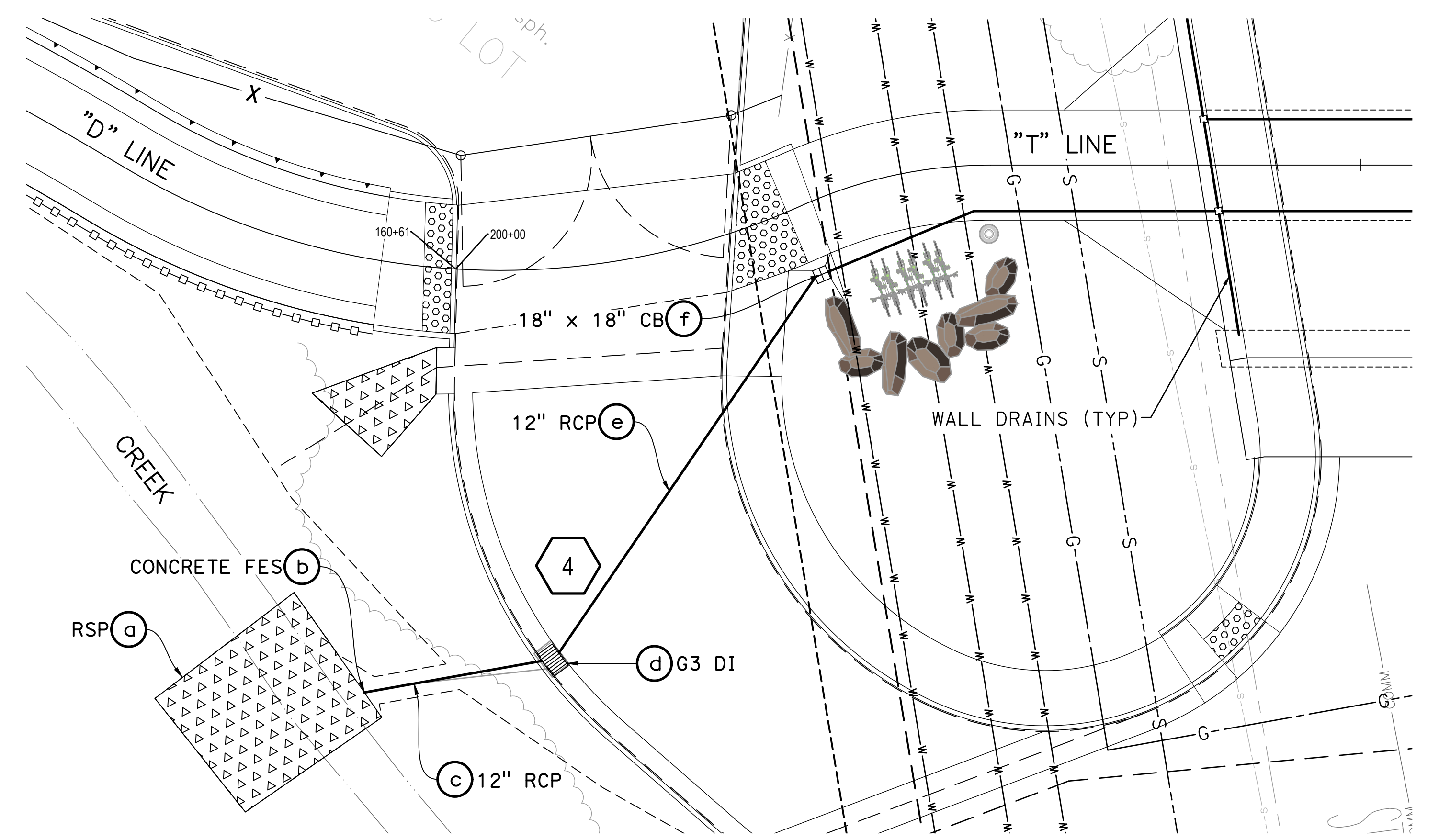


Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title DRAINAGE PLAN - 2
Project FORTAG TRAIL PROJECT	Project No. 11220281
Date December 1, 2023	Scale AS SHOWN

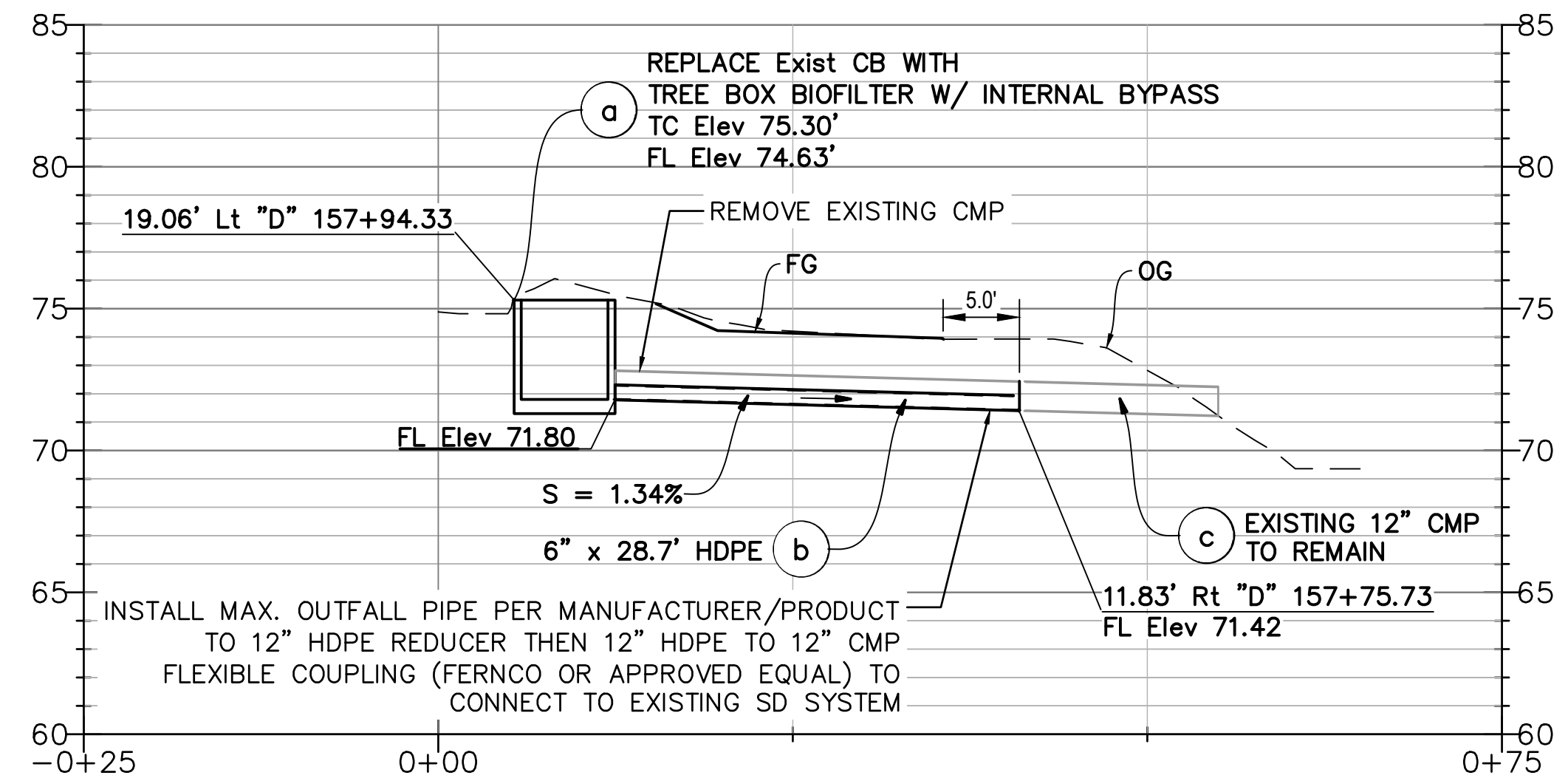
ANSI D
Status Code
Sheet No. SW-102
Sheet 68 of 195



PLAN
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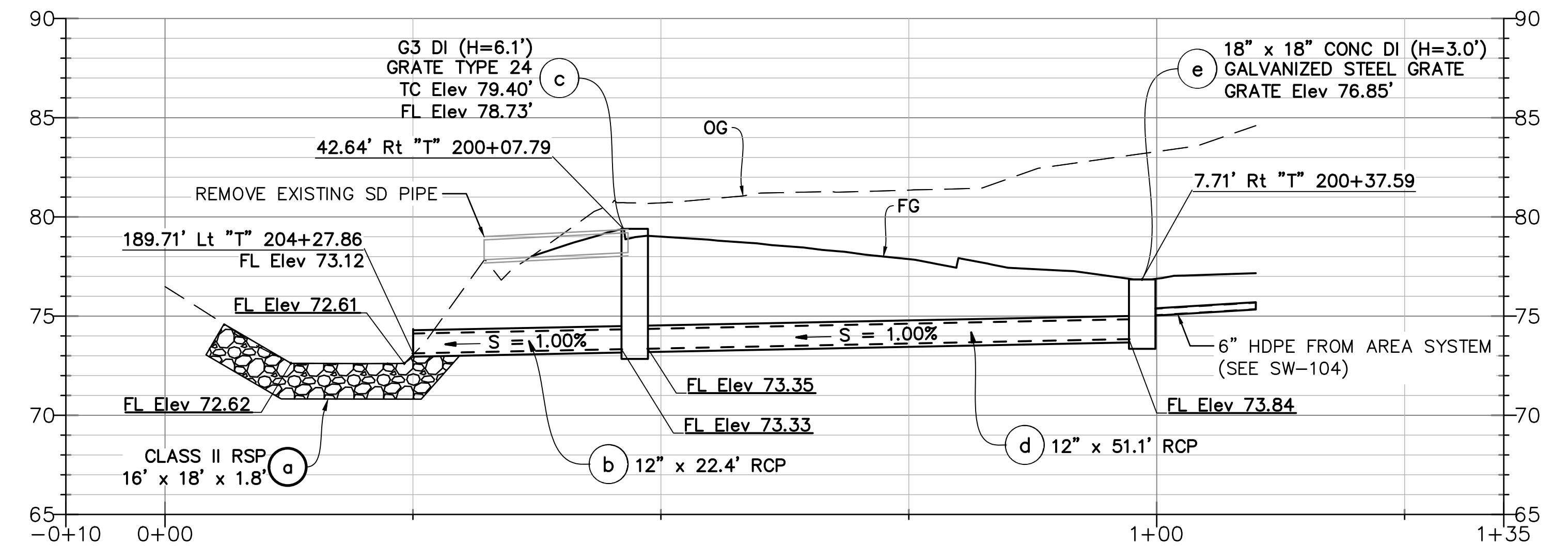


PLAN
SCALE: 1" = 10'



PROFILE
SCALE: Horiz 1" = 10'
Vert 1" = 5'

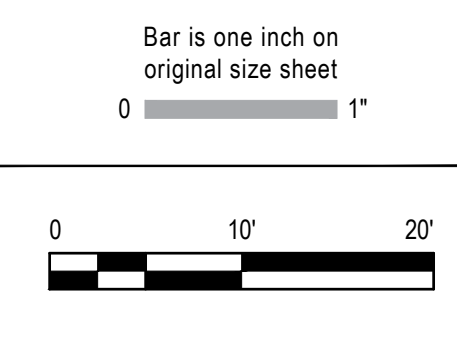
DRAINAGE SYSTEM No. 12



PROFILE
SCALE: Horiz 1" = 10'
Vert 1" = 5'

DRAINAGE SYSTEM No. 4

No.	Issue	Checked	Approved	Date
Author	AJP	Drafting Check	SG	Project Manager
Designer	AJP	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



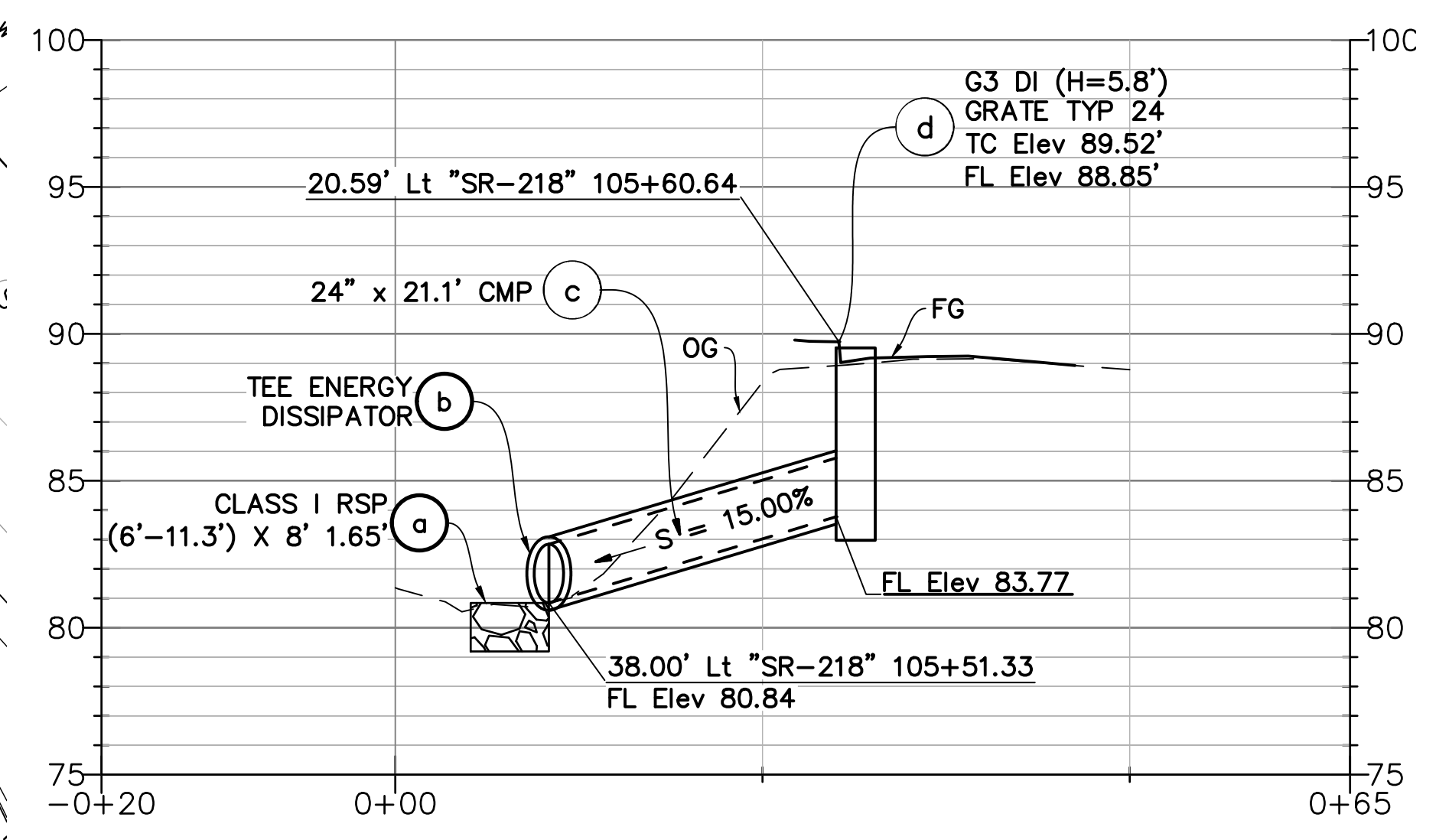
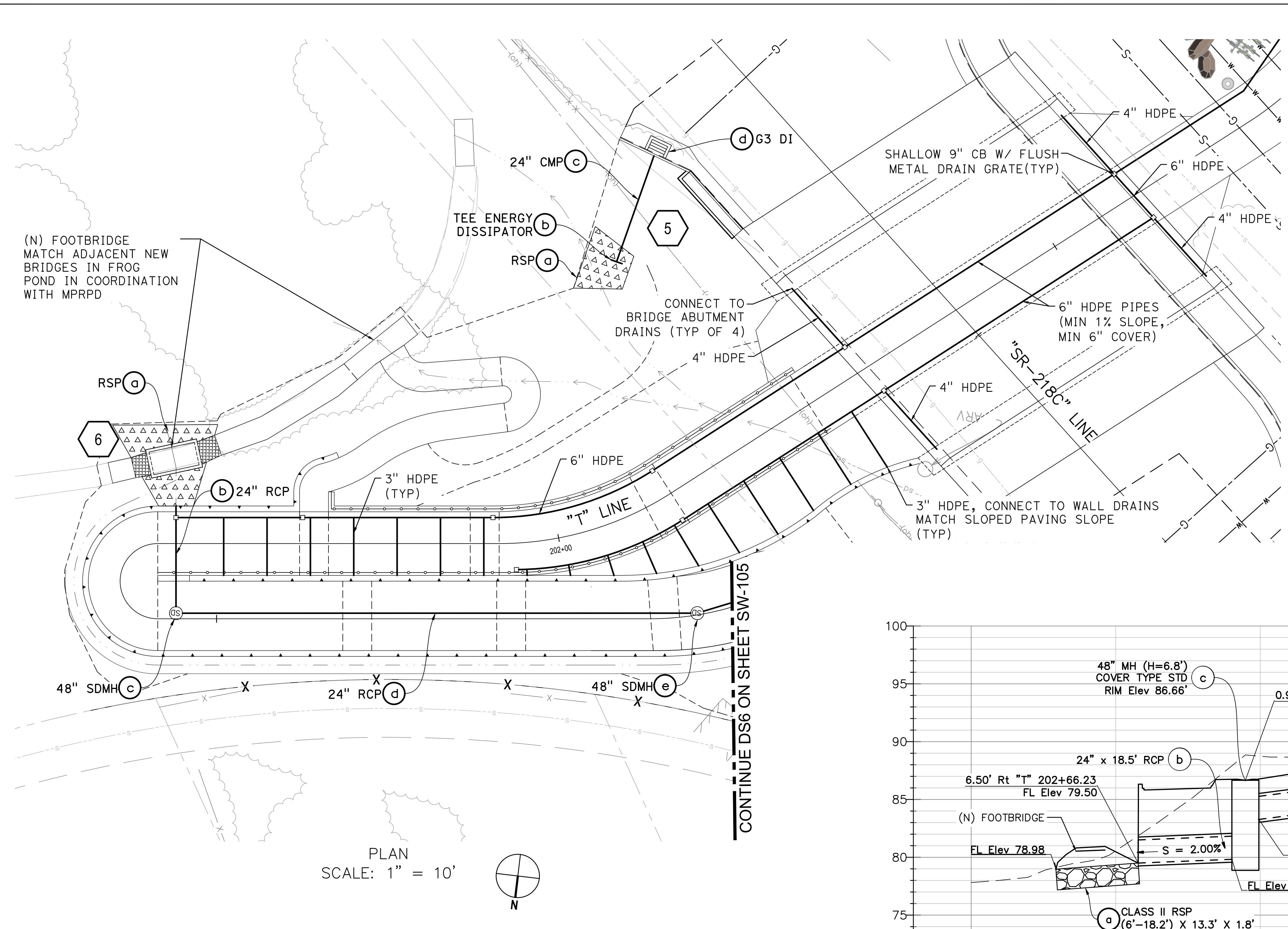
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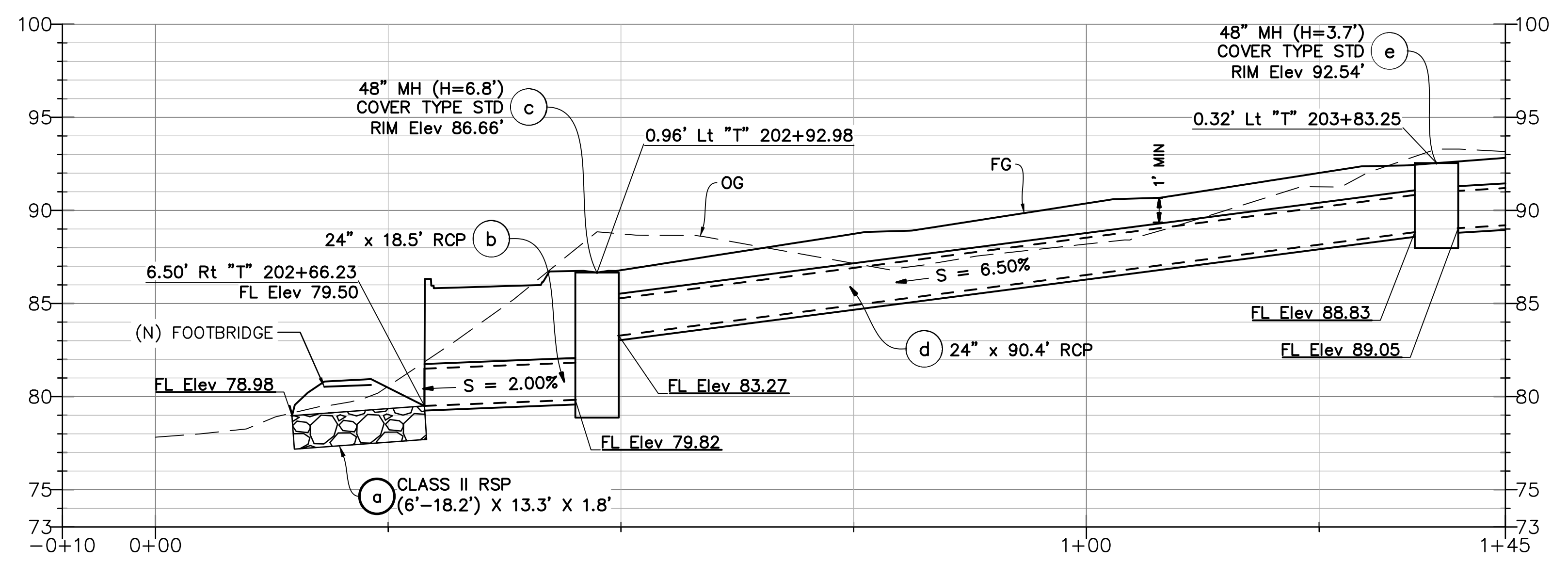


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	DRAINAGE PLAN - 3
Sheet No.	SW-103
Sheet	69 of 195

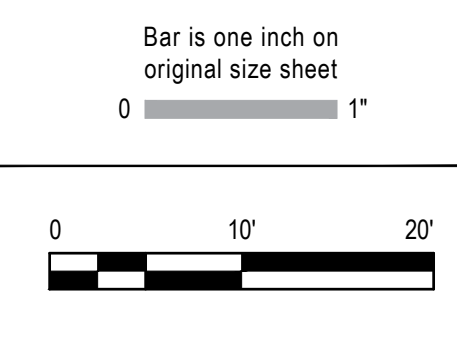


DRAINAGE SYSTEM No. 5



DRAINAGE SYSTEM No. 6

No.	Issue	Checked	Approved	Date
Author	AJP	Drafting Check	SG	Project Manager
Designer	AJP	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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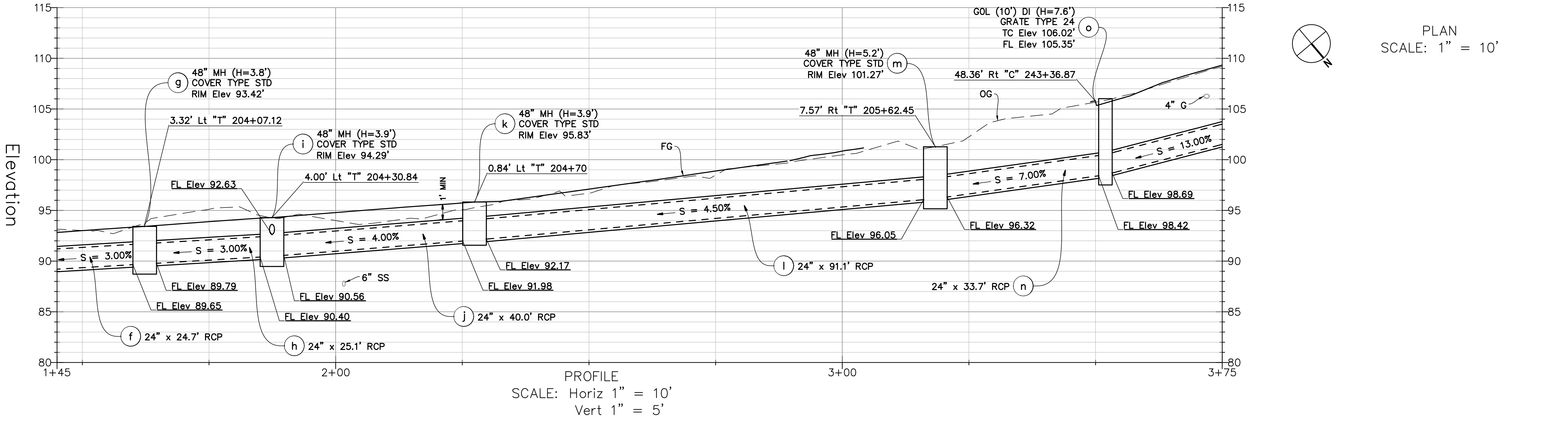
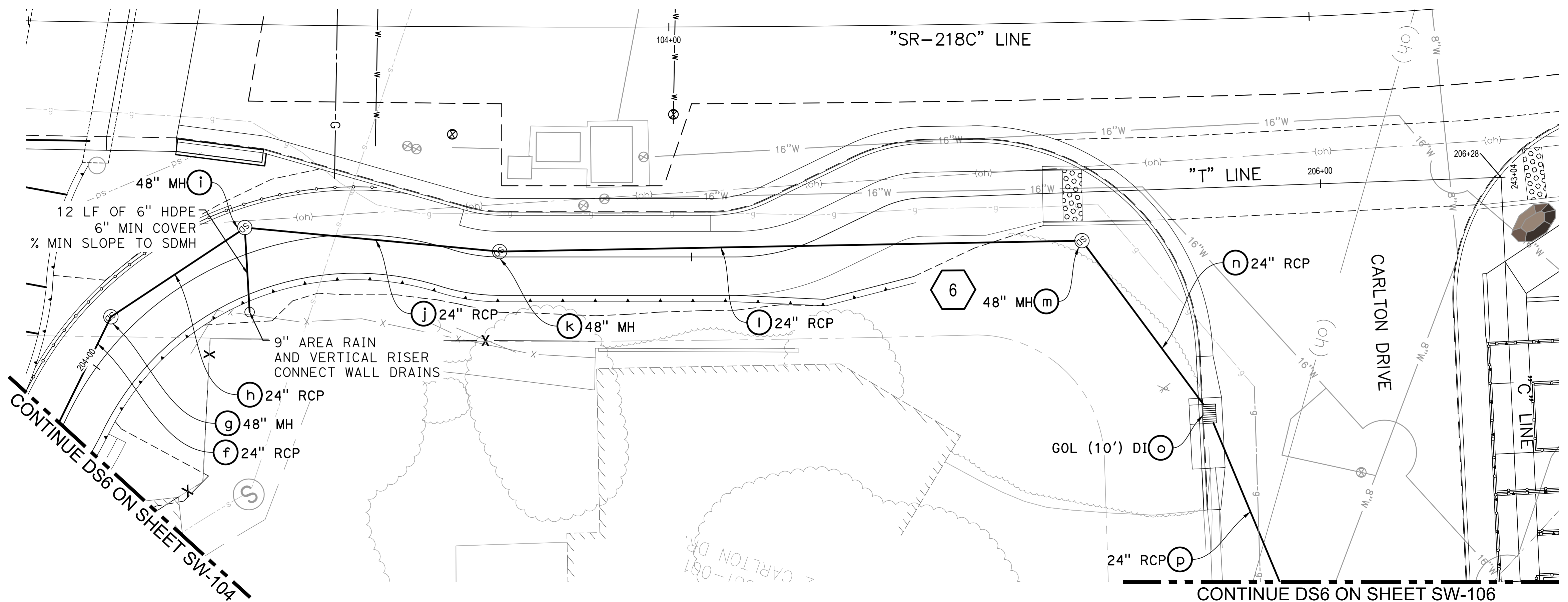
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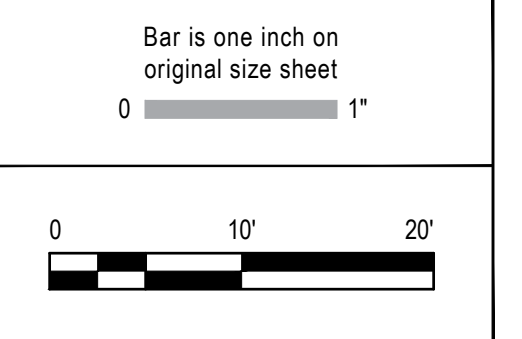
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	DRAINAGE PLAN - 4
Sheet No.	SW-104
Sheet	70 of 195



DRAINAGE SYSTEM No. 6

No. Issue	Checked	Approved	Date
Author AJP	Drafting Check SG	Project Manager L. VAN PARYS	
Designer AJP	Design Check SG	Project Director K. VEDULA	



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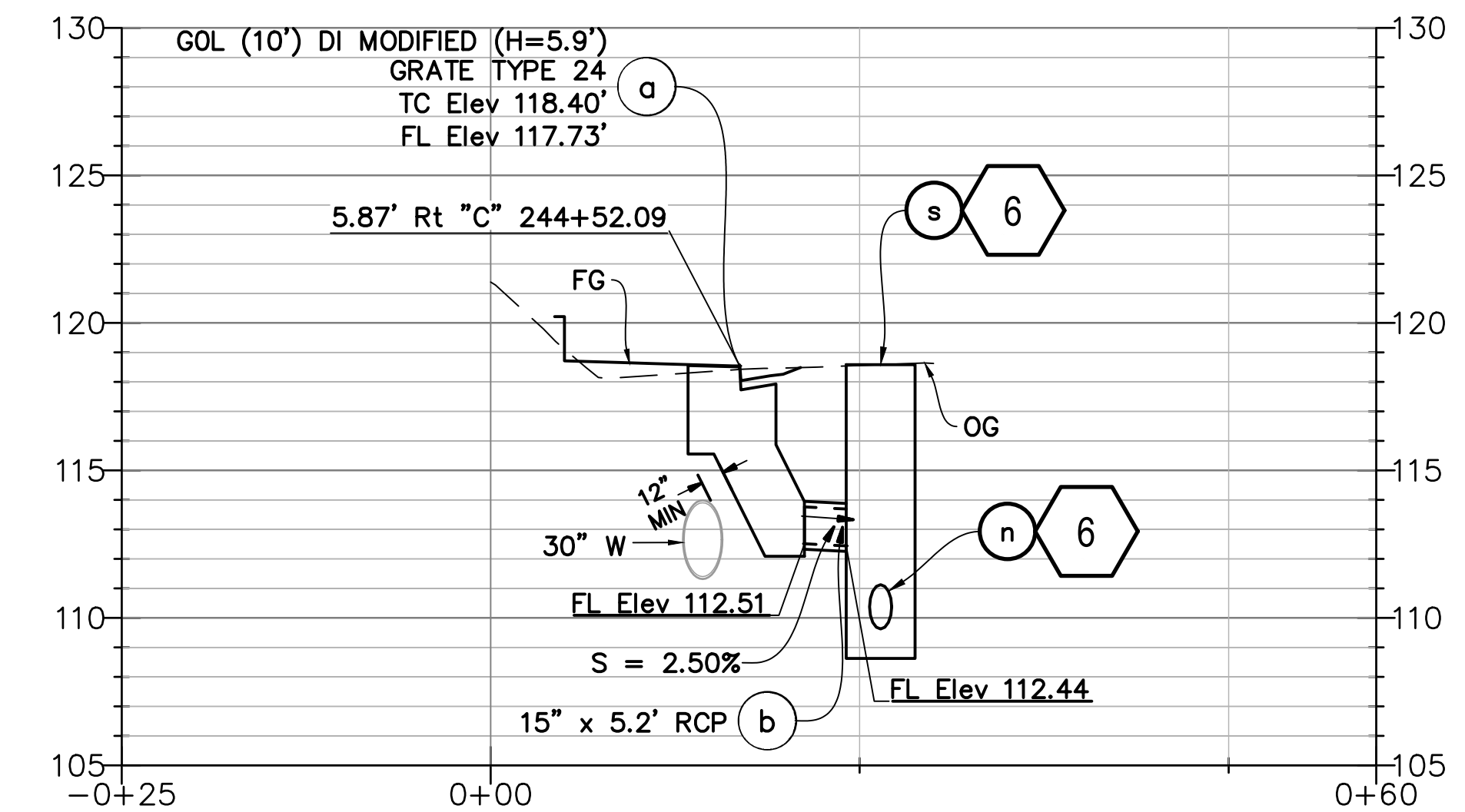
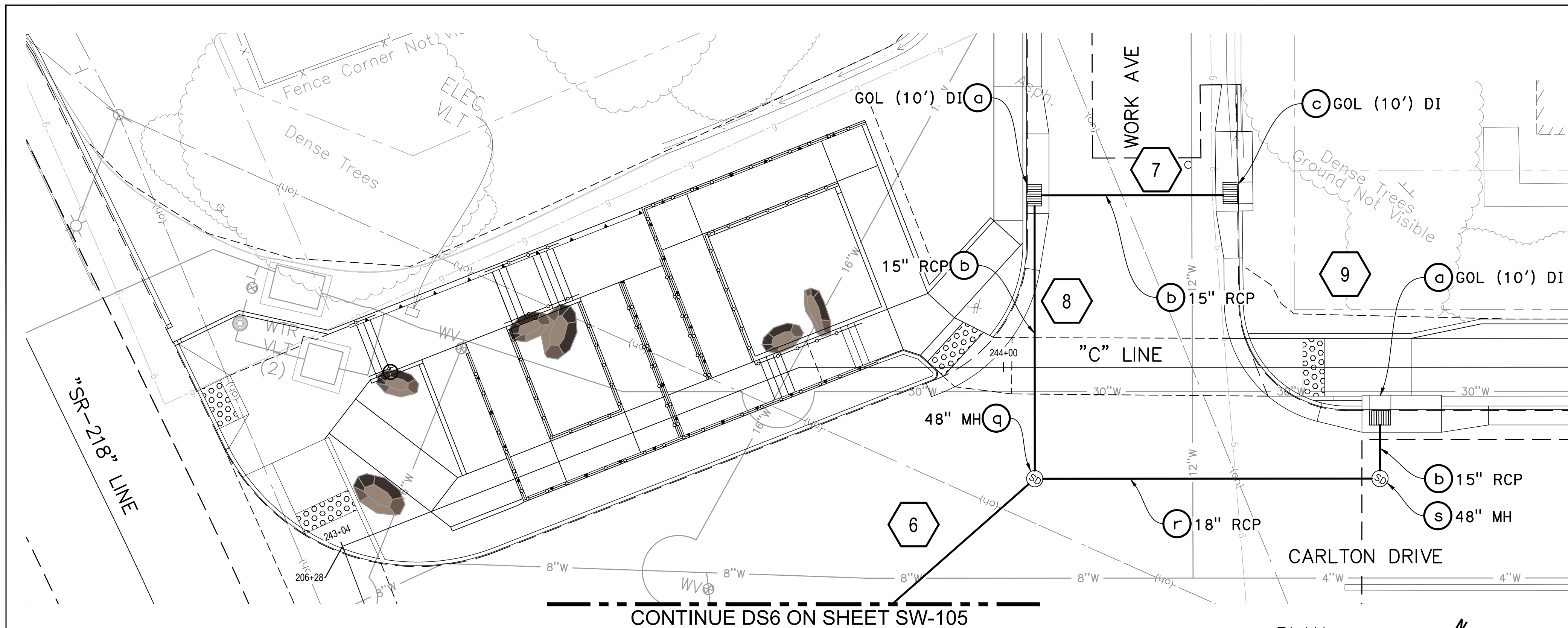
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Project No. 11220281	Date December 1, 2023	Scale AS SHOWN
Project FORTAG TRAIL PROJECT	Title DRAINAGE PLAN - 5		

Size
ANSI D

Status Code

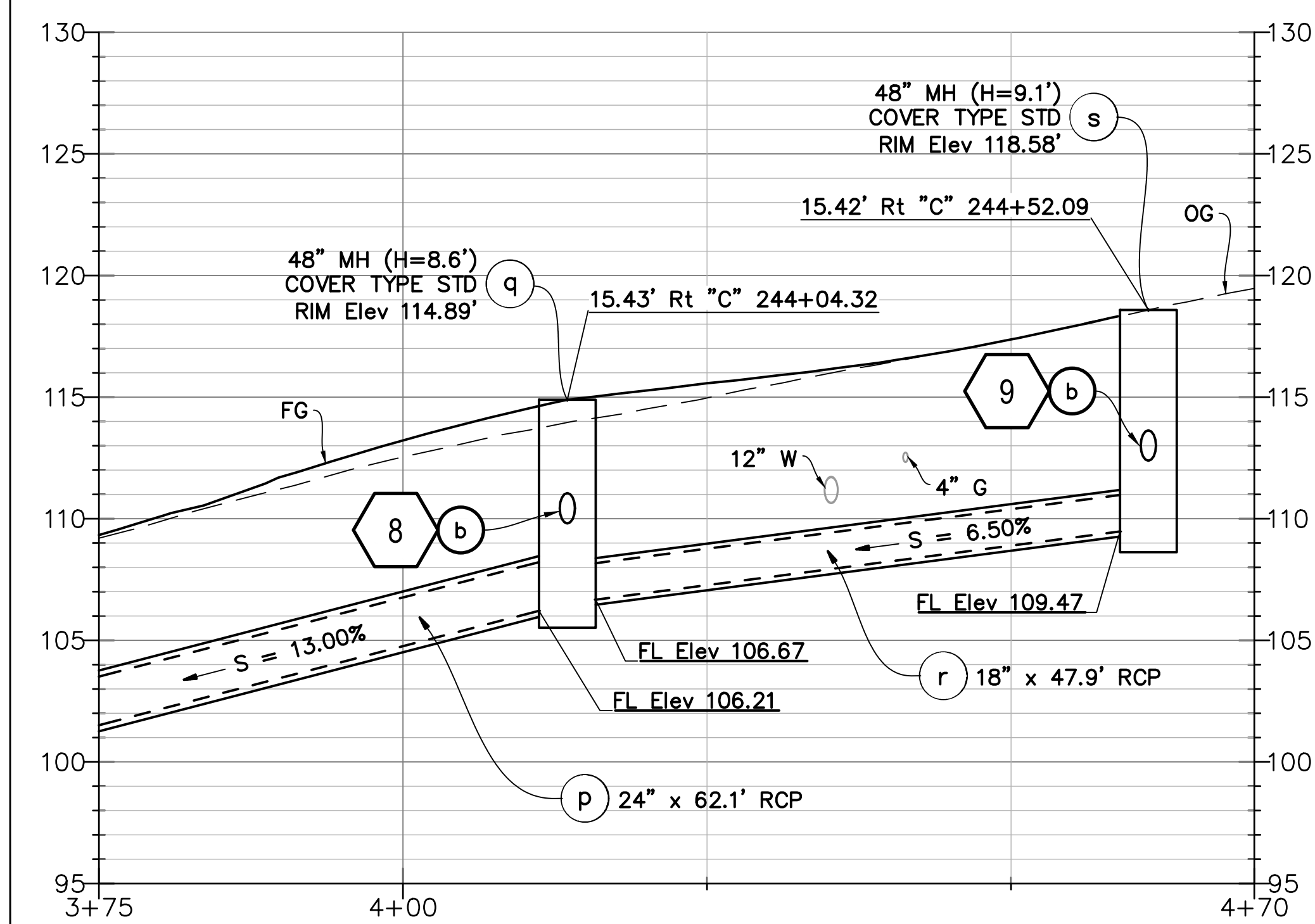
Sheet No.
SW-105

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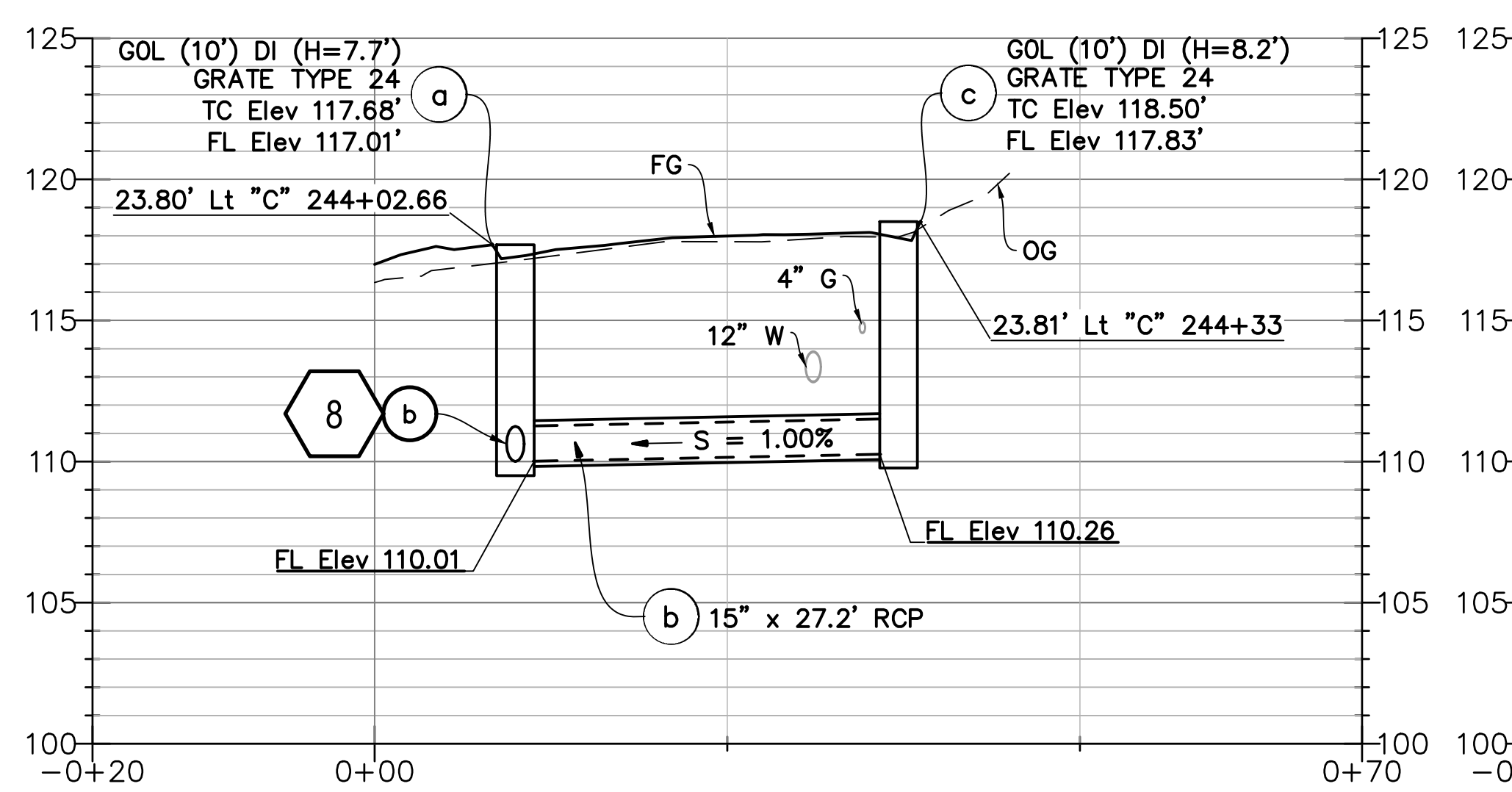
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 Vert 1" = 5'

DRAINAGE SYSTEM No. 9



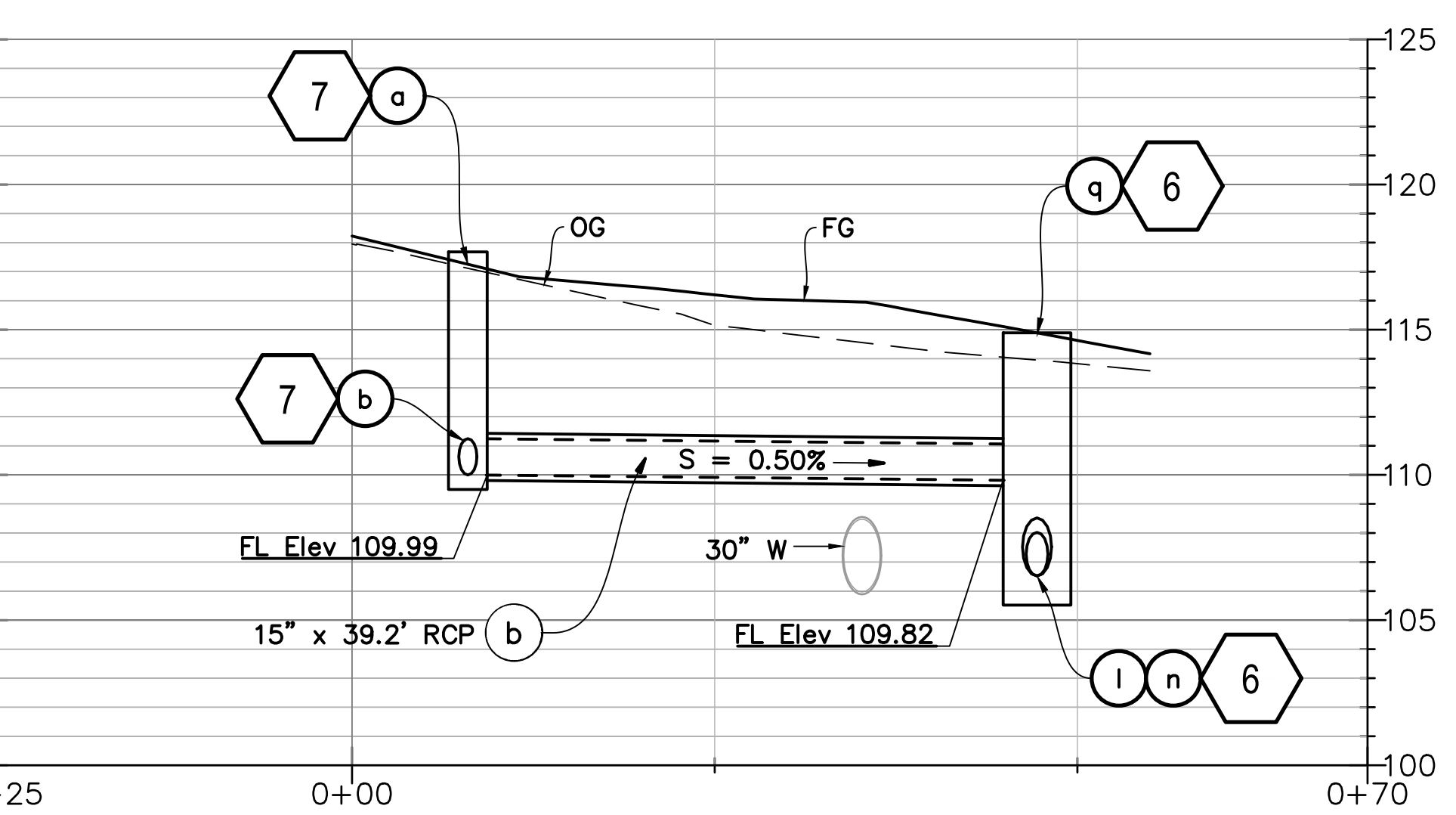
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DRAINAGE SYSTEM No. 6



PROFILE
 SCALE: Horiz 1" = 10'
 Vert 1" = 5'

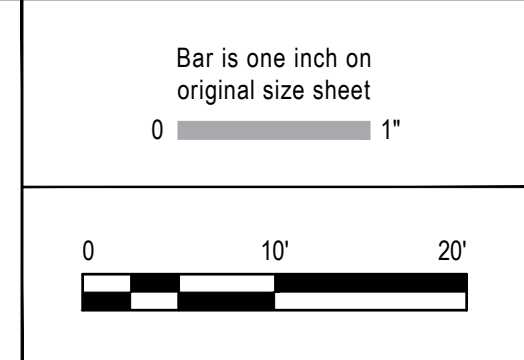
DRAINAGE SYSTEM No. 7



PROFILE
 SCALE: Horiz 1" = 10'
 Vert 1" = 5'

DRAINAGE SYSTEM No. 8

No.	Issue	Author	Checked	Approved	Date
1	Issue	AJP	SG	L. VAN PARYS	
2	Issue	AJP	SG	K. VEDULA	

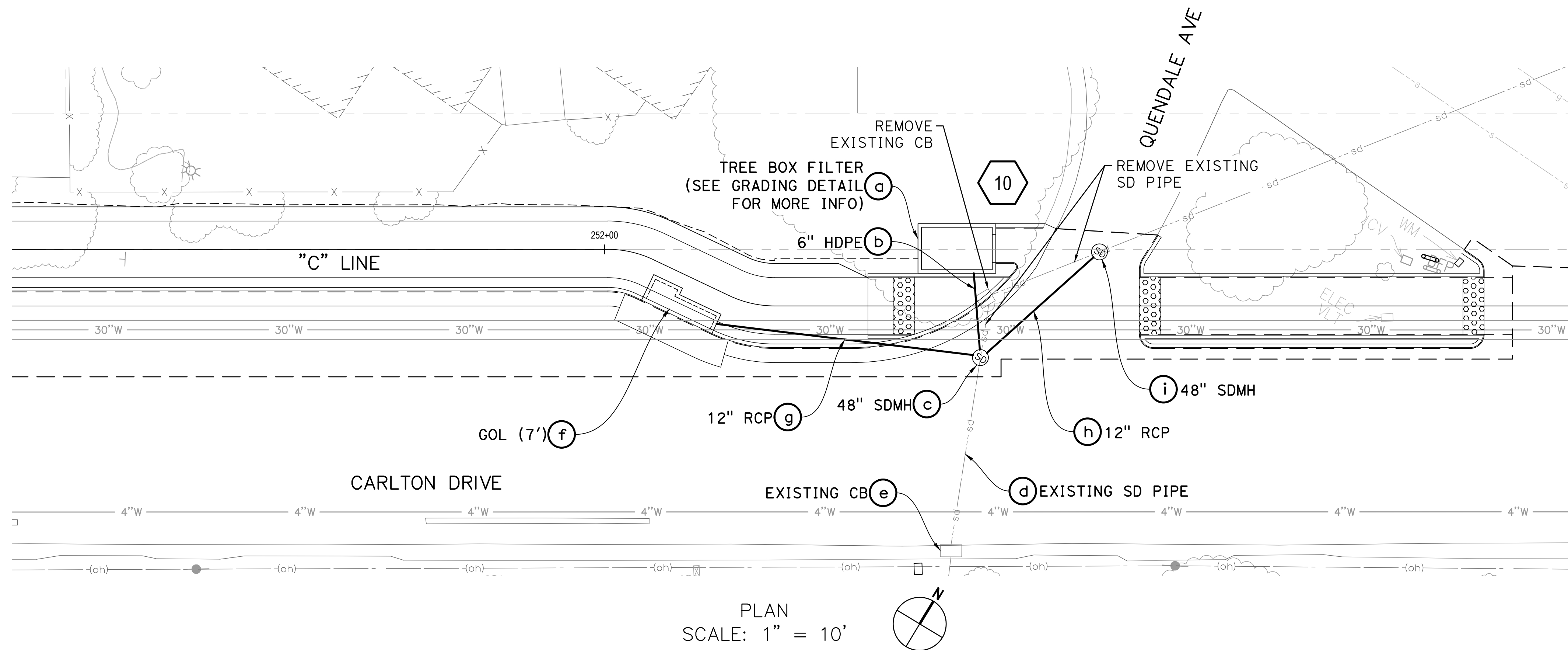


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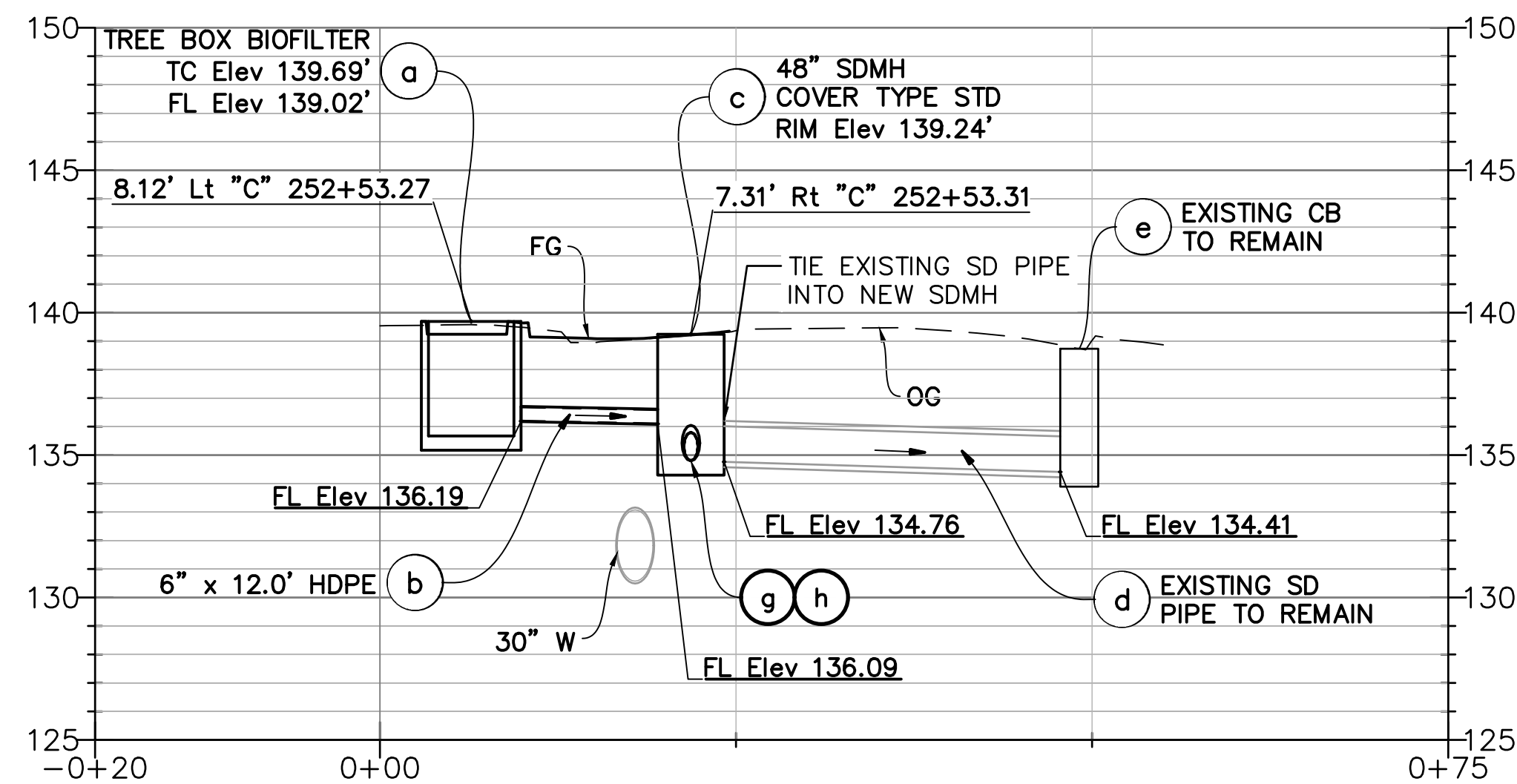
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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title DRAINAGE PLAN - 6	
Project FORTAG TRAIL PROJECT	Project No. 11220281	Date December 1, 2023
	Scale AS SHOWN	Status Code 72 of 195

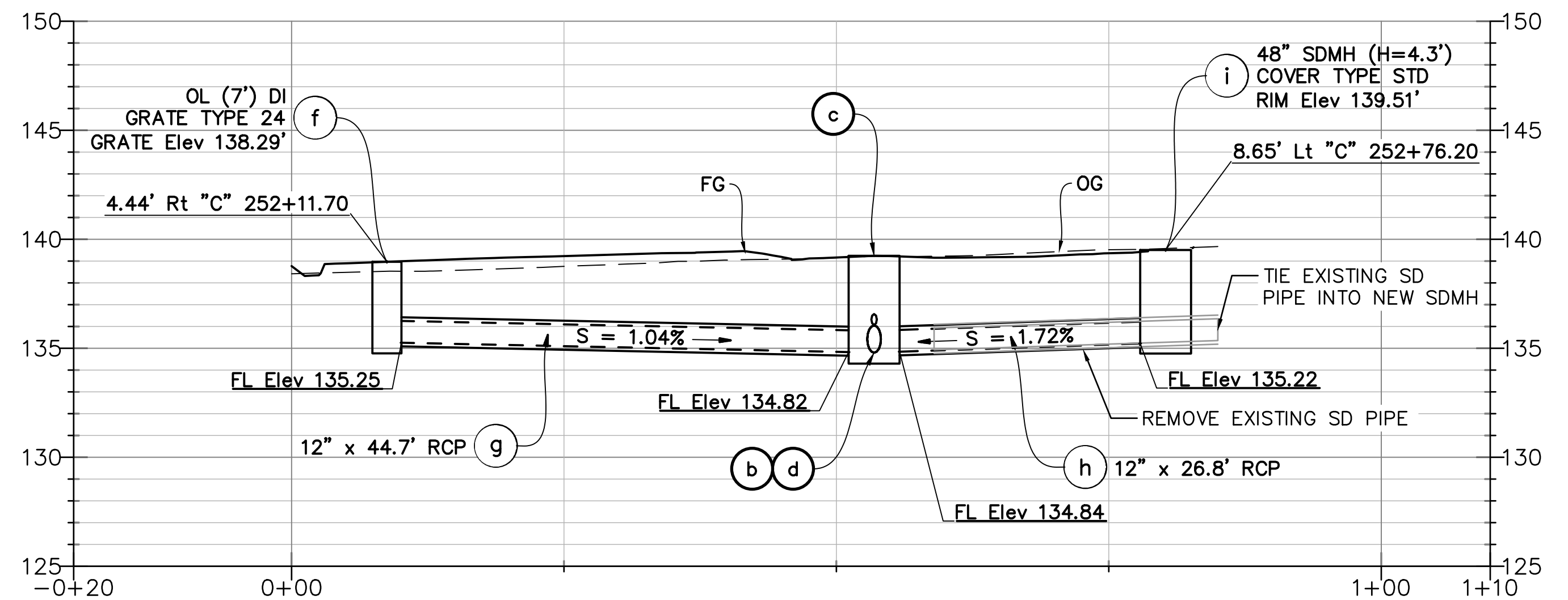


PLAN
SCALE: 1" = 10'



PROFILE
SCALE: Horiz 1" = 10'
Vert 1" = 5'

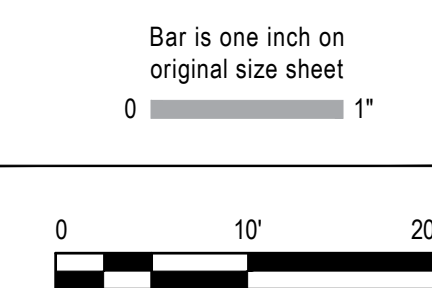
DRAINAGE SYSTEM No. 10



PROFILE
SCALE: Horiz 1" = 10'
Vert 1" = 5'

DRAINAGE SYSTEM No. 10

No.	Issue	Checked	Approved	Date
Author	AJP	Drafting Check	SG	Project Manager
Designer	AJP	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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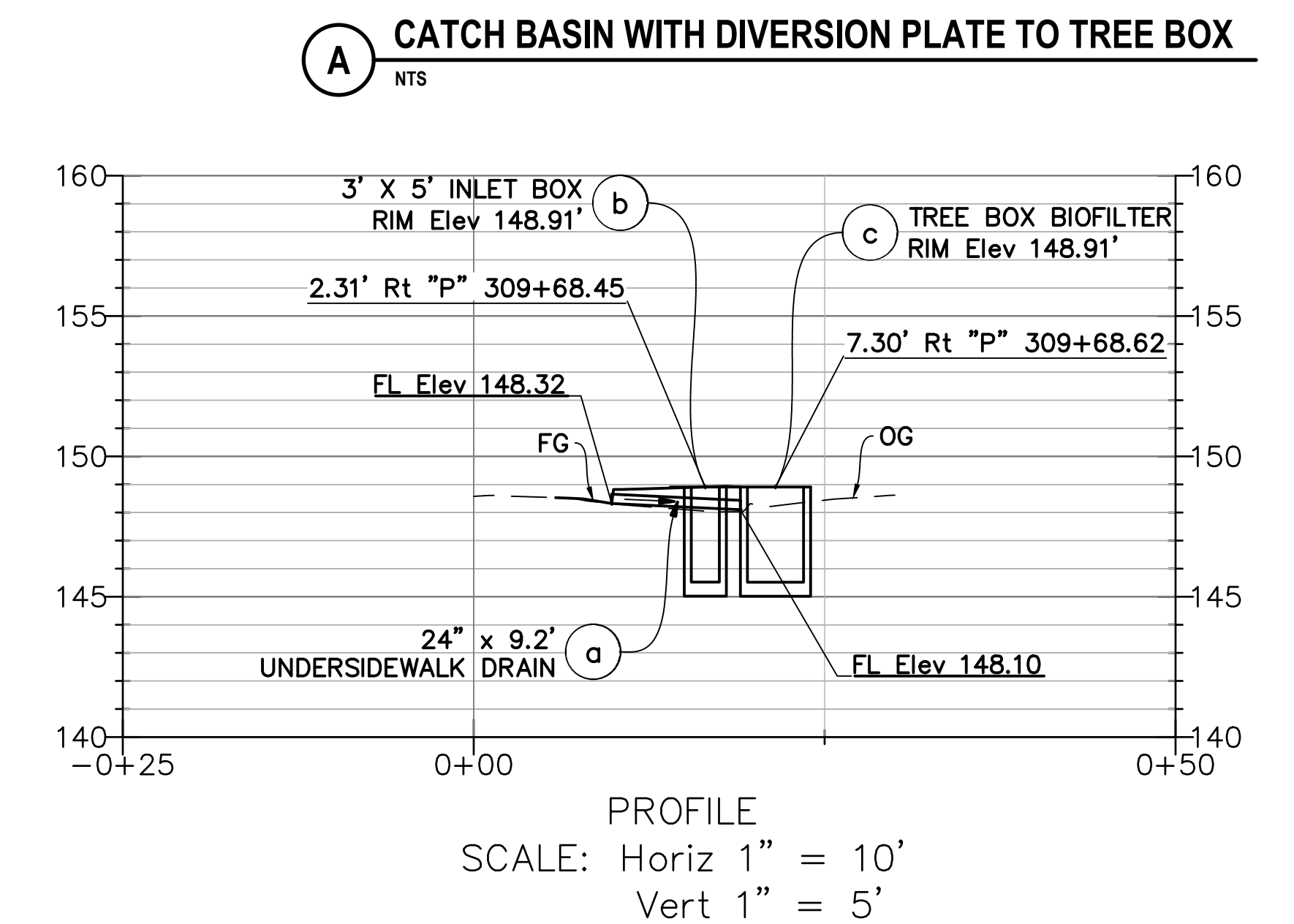
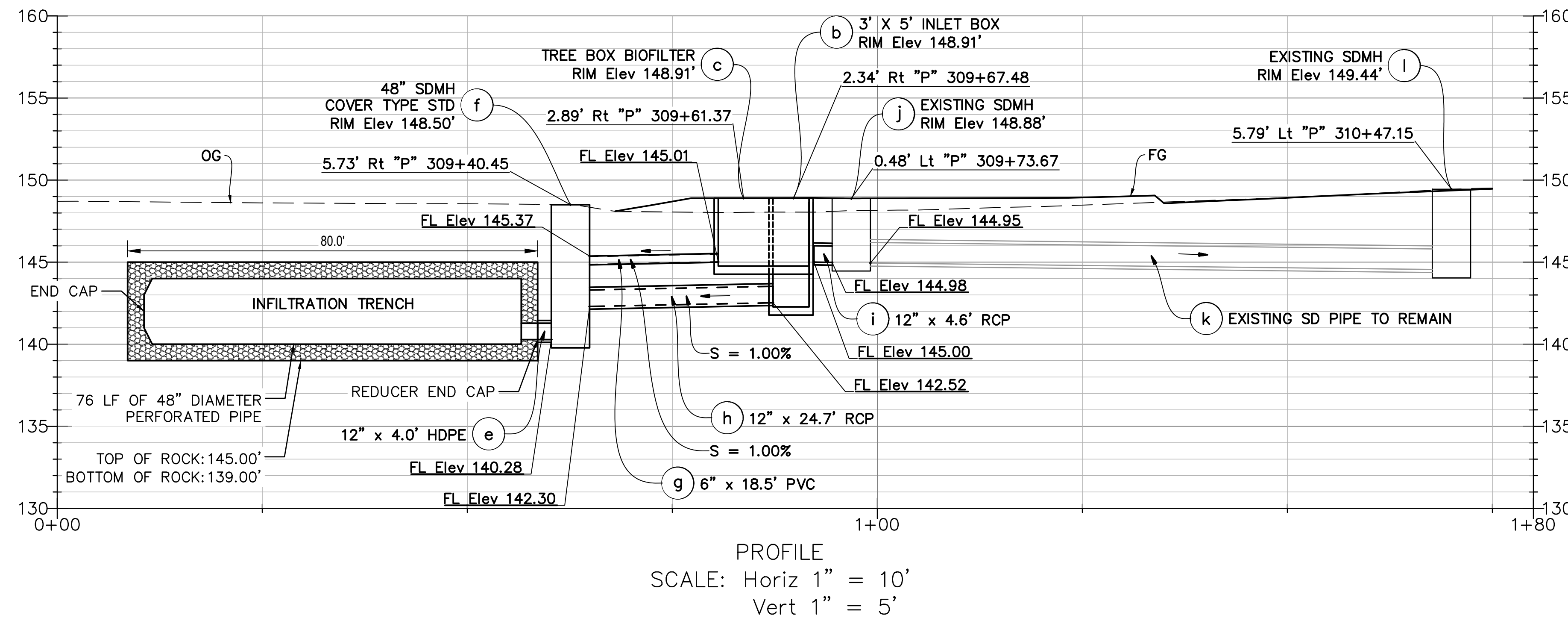
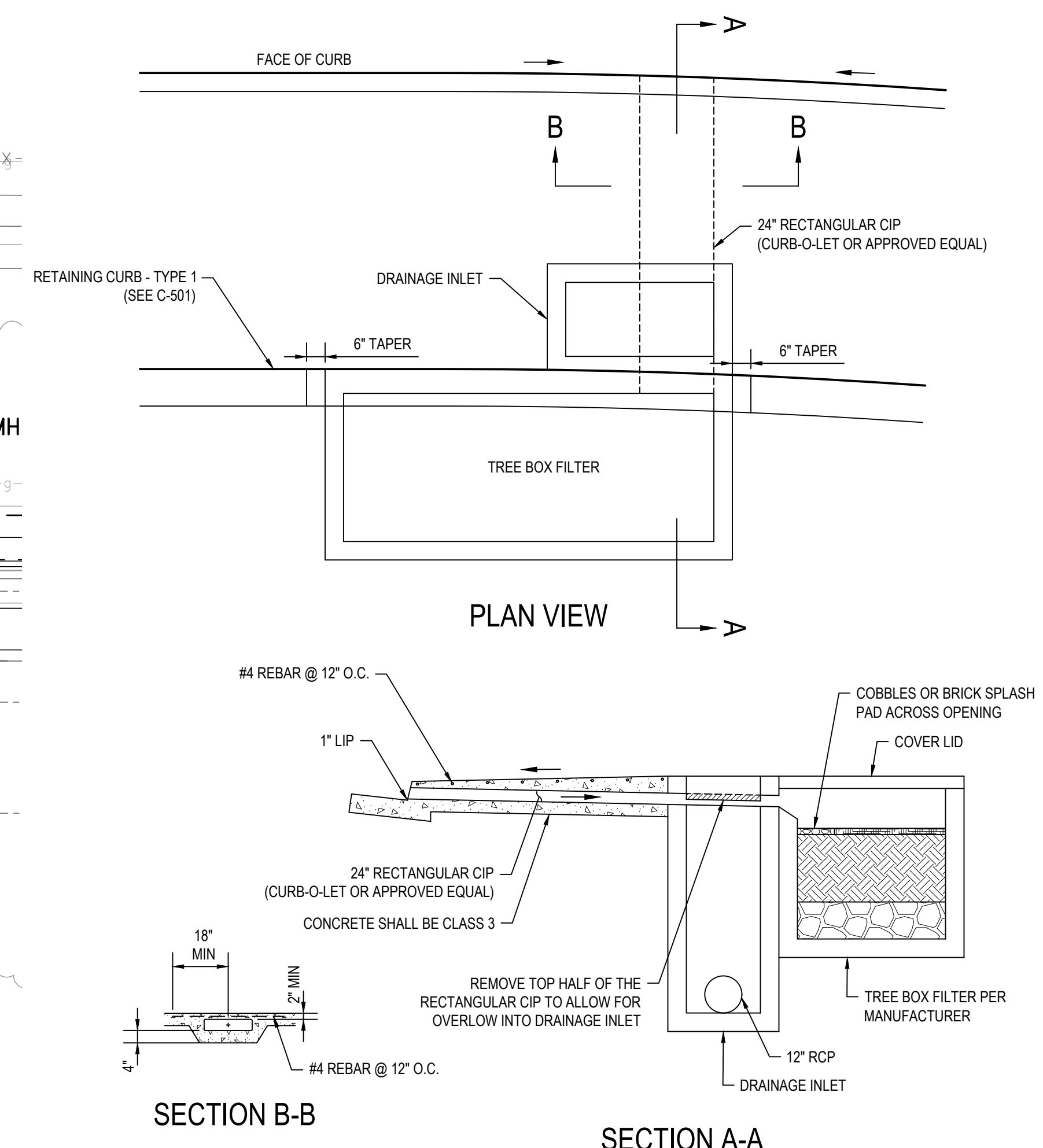
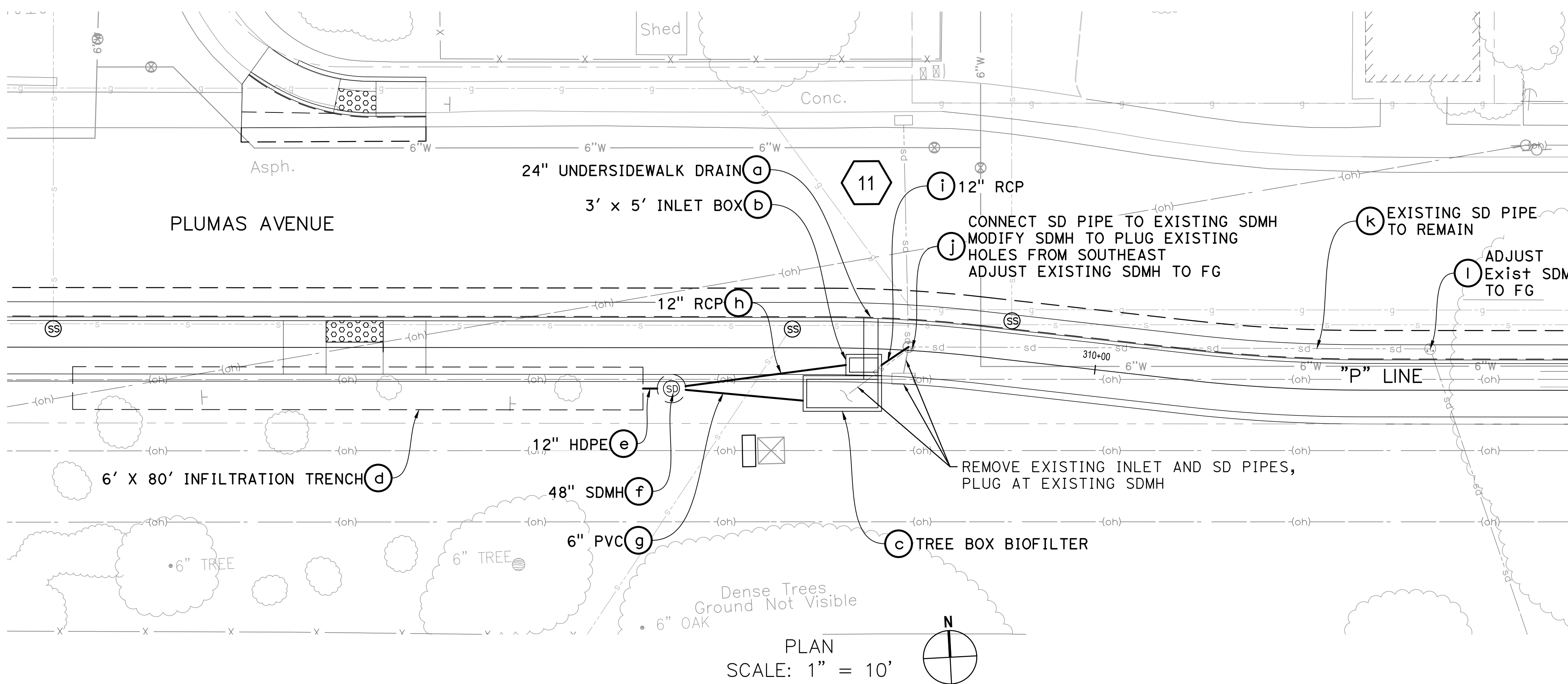
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **DRAINAGE PLAN - 7**

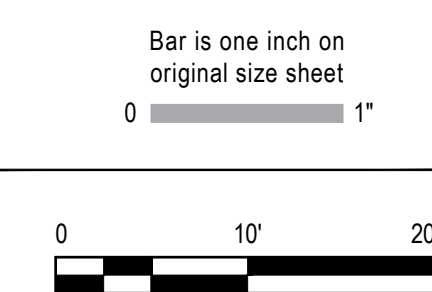
Size **ANSI D**
Status Code
Sheet No. **SW-107**
Sheet 73 of 195



DRAINAGE SYSTEM No. 11

DRAINAGE SYSTEM No. 11

No.	Issue	Author	Checked	Approved	Date	
1	Author	AJP	Drafting Check	SG	Project Manager	L. VAN PARYS
2	Designer	AJP	Design Check	SG	Project Director	K. VEDULA



Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **DRAINAGE PLAN - 8**

Size **ANSI D**
Status Code
Sheet No. **SW-108**
Sheet 74 of 195

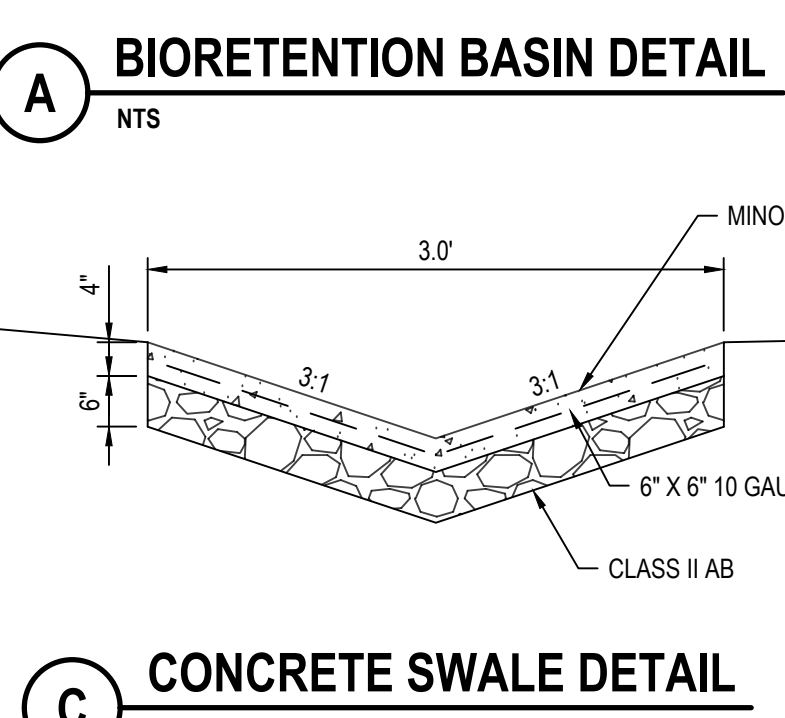
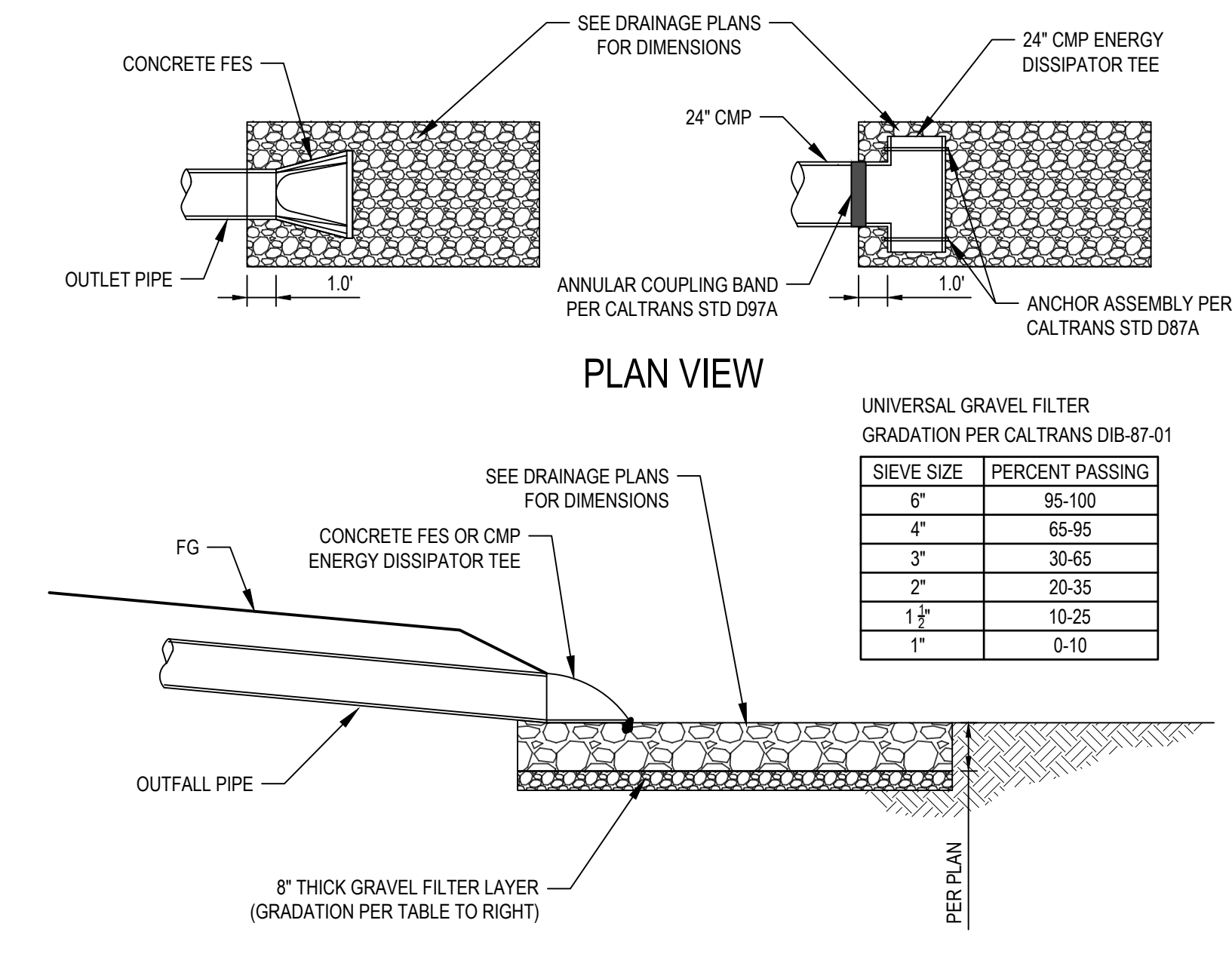
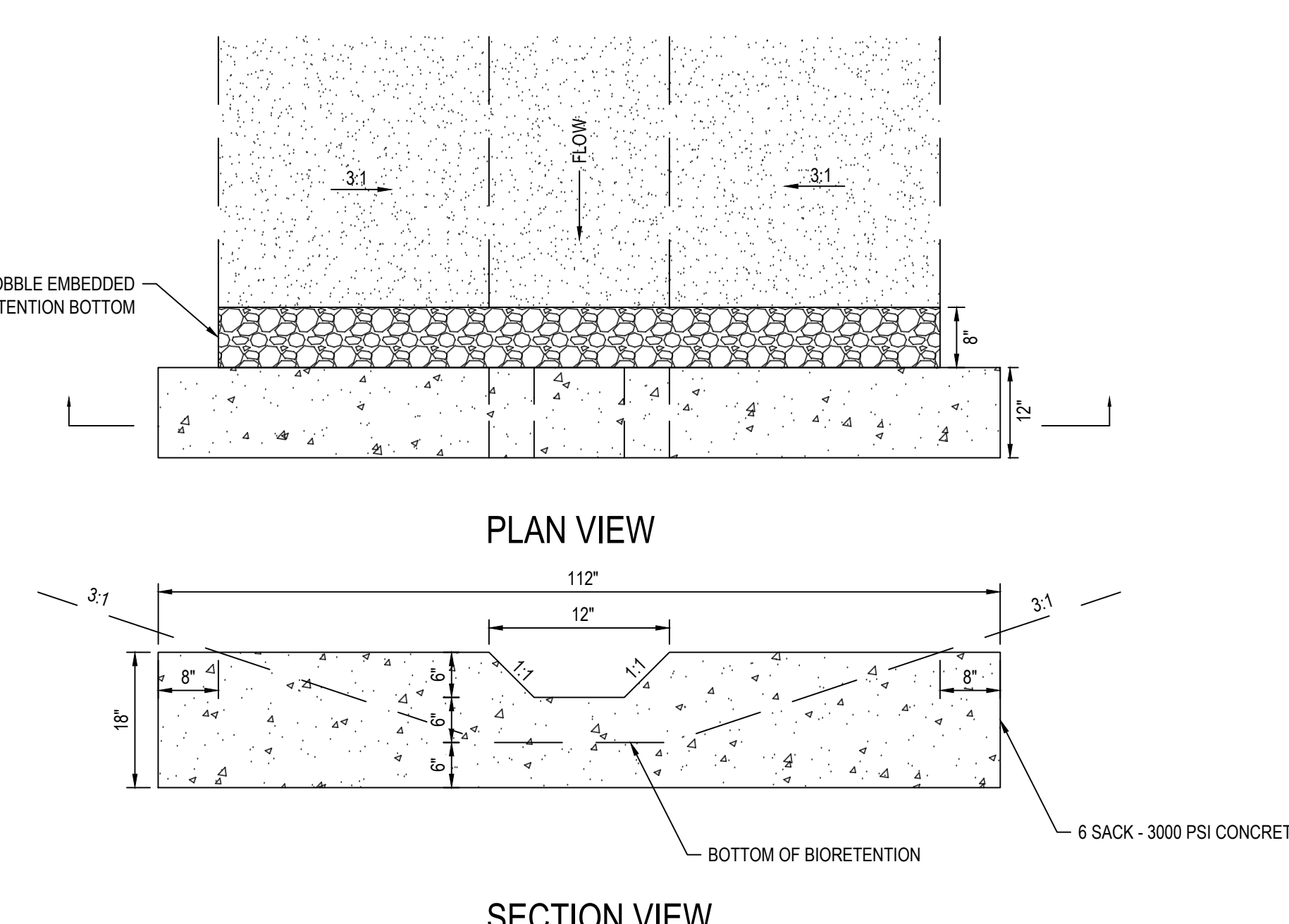
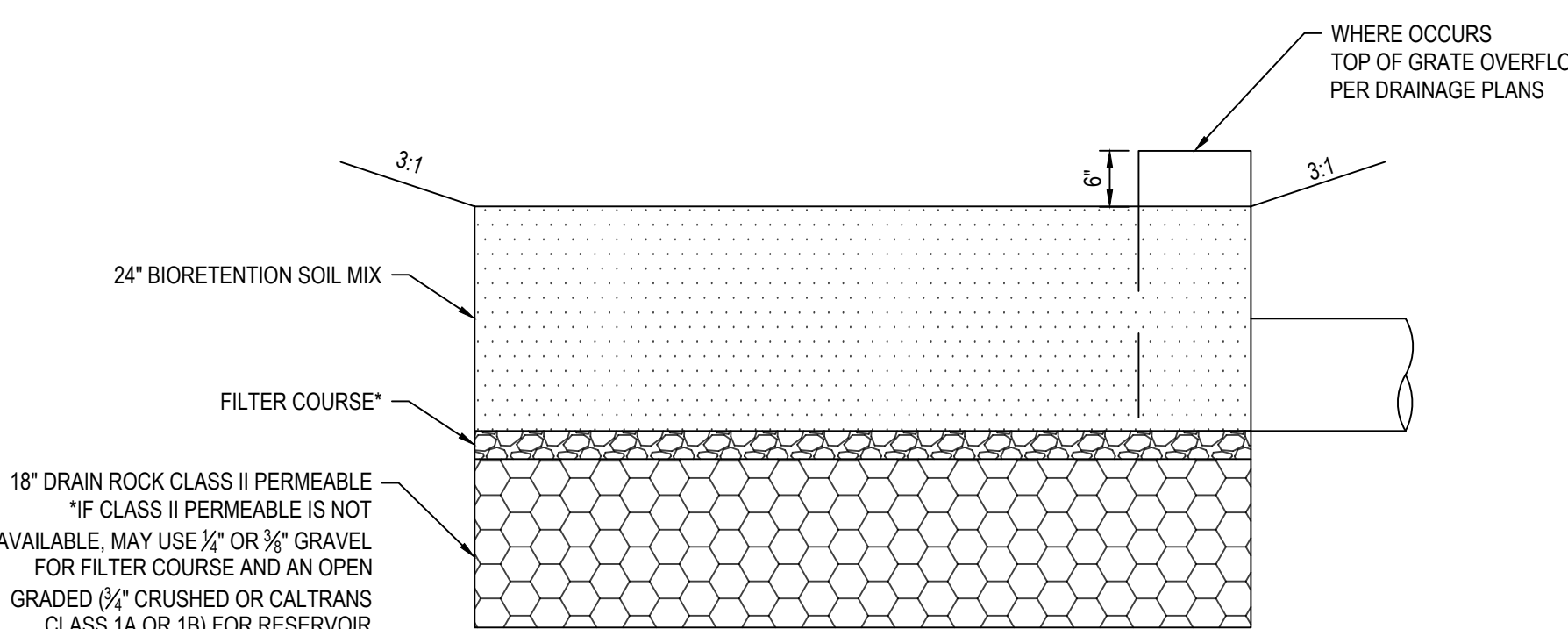
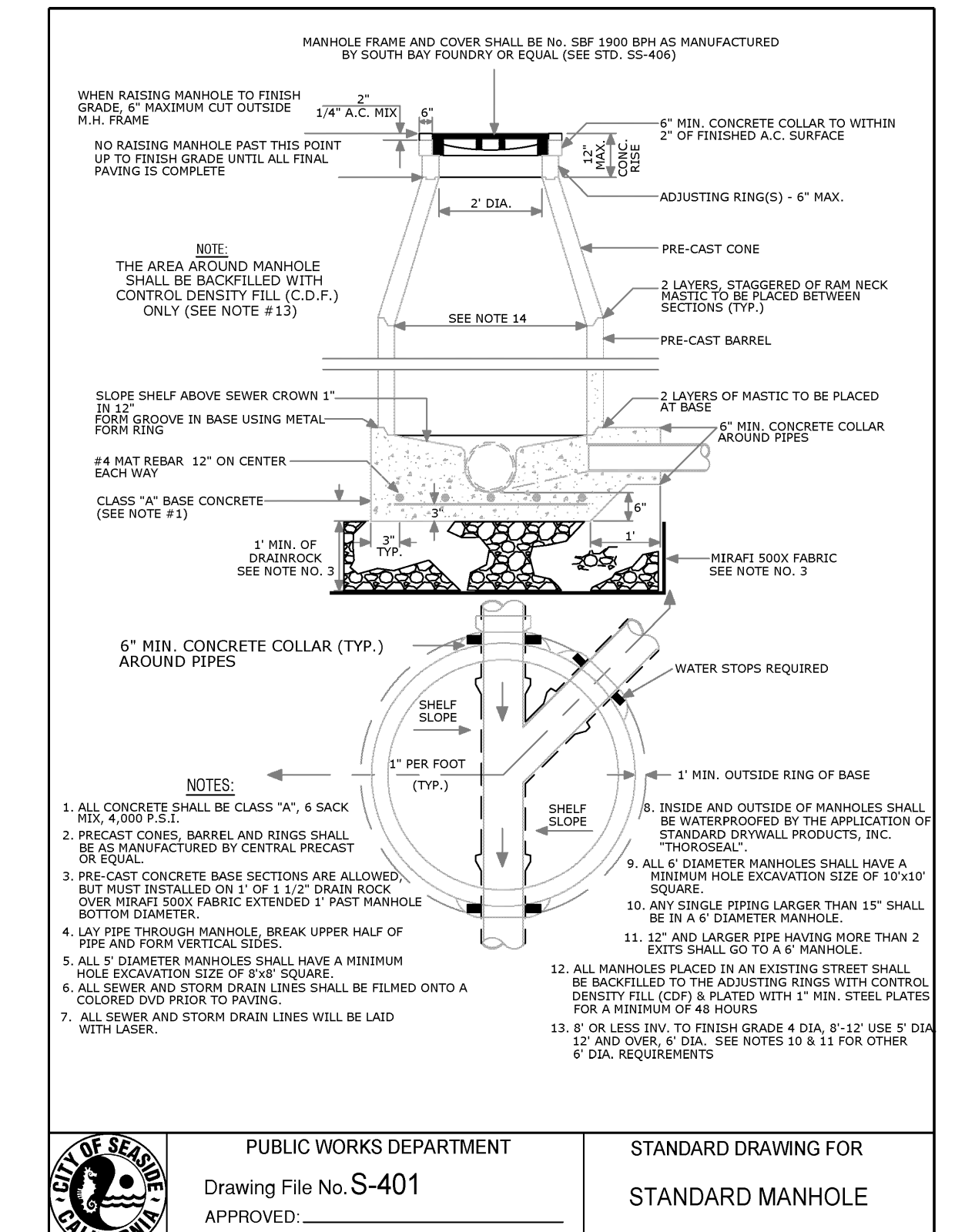
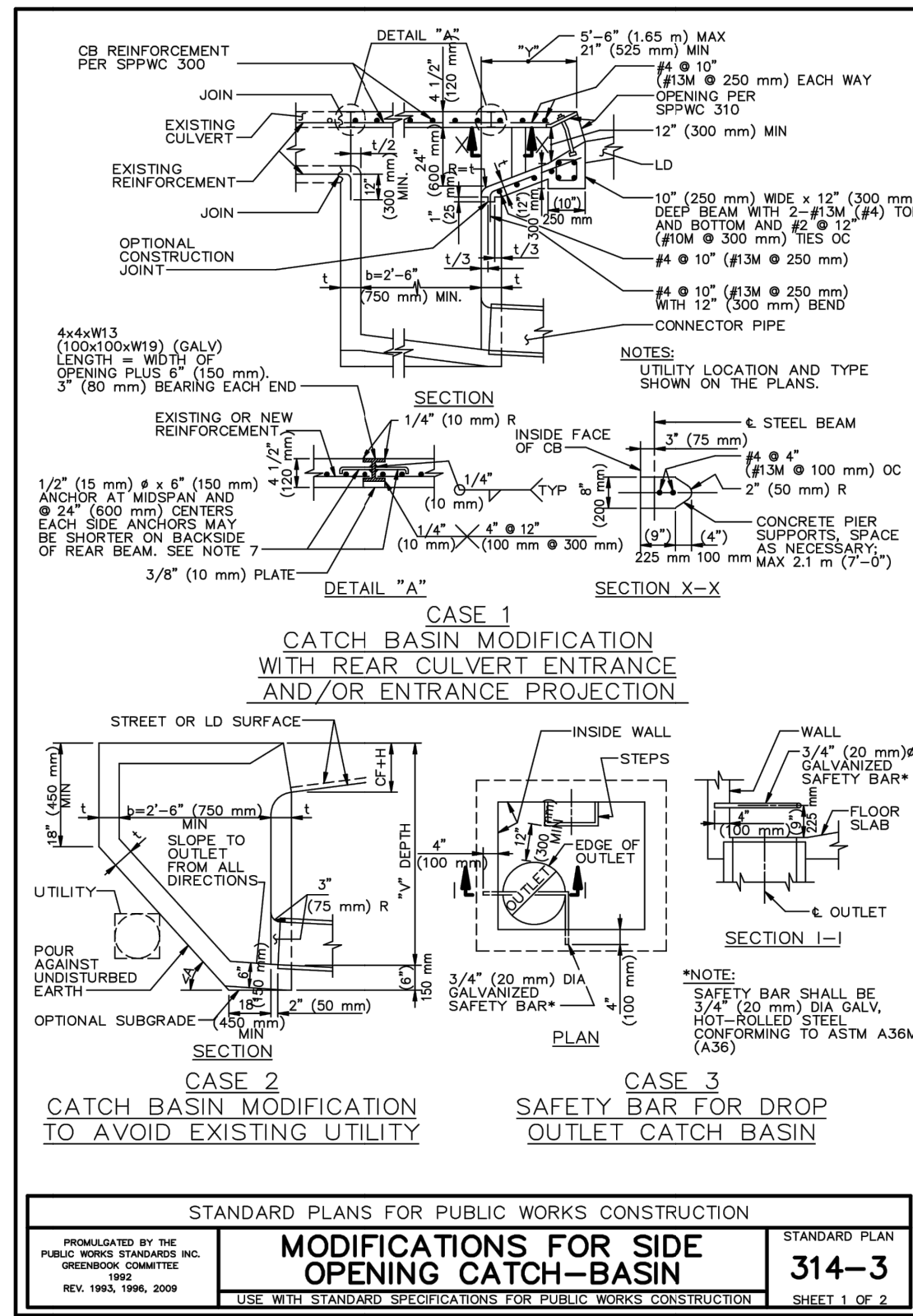
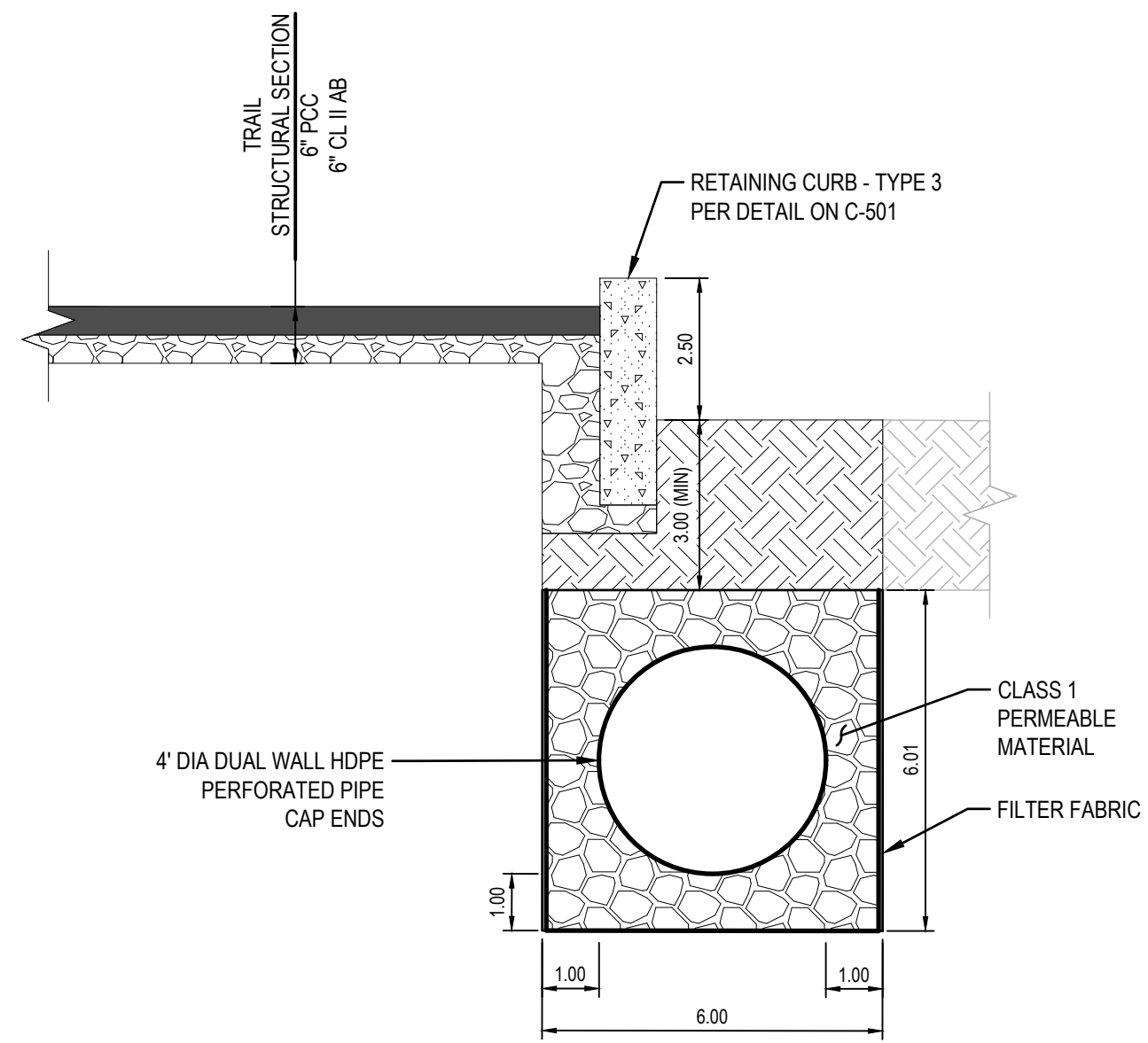
SCM 2D - BIORETENTION POND

ELEVATION (FT)	VOID RATIO (BELOW)	STORAGE (BELOW) (CF)	CUMULATIVE STORAGE VOLUME (CF)	CUMULATIVE STORAGE VOLUME (AF)	EXFILTR. INTO SOIL (CFS)	OVERFLOW (CFS)	TOTAL Q OUT (CFS)	DESCRIPTION/ NOTES	
25.50	0.00	0	0	0	0	0	0.000	BOTTOM OF ROCK	
26.50	0.35	280	280	0.006	0.093	0	0.093	TOP OF ROCK/ BOTTOM OF BSM	
27.00	0.35	140	420	0.010	0.093	0	0.093	TOP OF BSM/ POND BOTTOM	
29.00	0.30	480	900	0.021	0.093	0	0.093	OVERFLOW GRATE	
29.50	1.00	400	1300	0.030	0.093	0	0.093	DESIGN MAX WSE	
29.75	1.00	200	1300	0.034	0.093	3.000	3.093		
POND/ BSM/ ROCK AREA:		800 SF							
DESIGN SOIL HYDRAULIC CONDUCTIVITY (K):		0.75 IN/HR (SOURCE: MRSWMP TECHNICAL GUIDE)							

TREE BOX TABLE

SCM #	MANUFACTURER/ PRODUCT	GULD BASIC TREATMENT FLOW RATE (IN/HR) ⁽¹⁾	AREA REQUIRED (SF)	AREA PROVIDED (BOX SIZE) (SF)	INTERNAL OVERFLOW (CFS)
10A	CONTECH FILTERRA	175	52	60 (6'X10')	NONE
	OLDCASTLE BIOPOD	153	59	60 ⁽³⁾ (6'X10')	
	ROTONDO STORMGARDEN	140	65	72 (6'X12')	
11C	CONTECH FILTERRA	175	29	40 (4'X10')	1.1
	OLDCASTLE BIOPOD	153	33	40 (4'X10')	
	ROTONDO STORMGARDEN	140	36	40 (4'X10')	
12A	CONTECH FILTERRA	175	47	48 (6'X8')	1.8
	OLDCASTLE BIOPOD	153	53	60 (6'X10')	
	ROTONDO STORMGARDEN	140	58	60 (6'X10')	

⁽¹⁾ SYSTEM MUST BE WASHING STATE DEPARTMENT OF ECOLOGY GULD CERTIFIED.
⁽²⁾ MINIMUM AREA REQUIRED = EIA X (0.2 IN/HR) / (DESIGN TREATMENT FLOW RATE).
⁽³⁾ THE BIOPOD SYSTEM INCLUDES AN INTERNAL OVERFLOW WHICH OCCUPIES APPROXIMATELY 4 SF
⁽⁴⁾ OVERFLOW CAPACITY = EIA X 10-YEAR, 15-MINUTE PEAK PRECIPITATION (1.88 IN/HR)



UNIVERSAL GRAVEL FILTER GRADATION PER CALTRANS DIB-87-01

SIEVE SIZE	PERCENT PASSING
6"	95-100
4"	65-95
3"	30-65
2"	20-35
1 1/2"	10-25
1"	0-10

No.	Issue	Author	EM	Drafting	Checked	SG	Approved	Date
1	Issue	CO	EM	SG	SG	L. VAN PARYS	K. VEDULA	

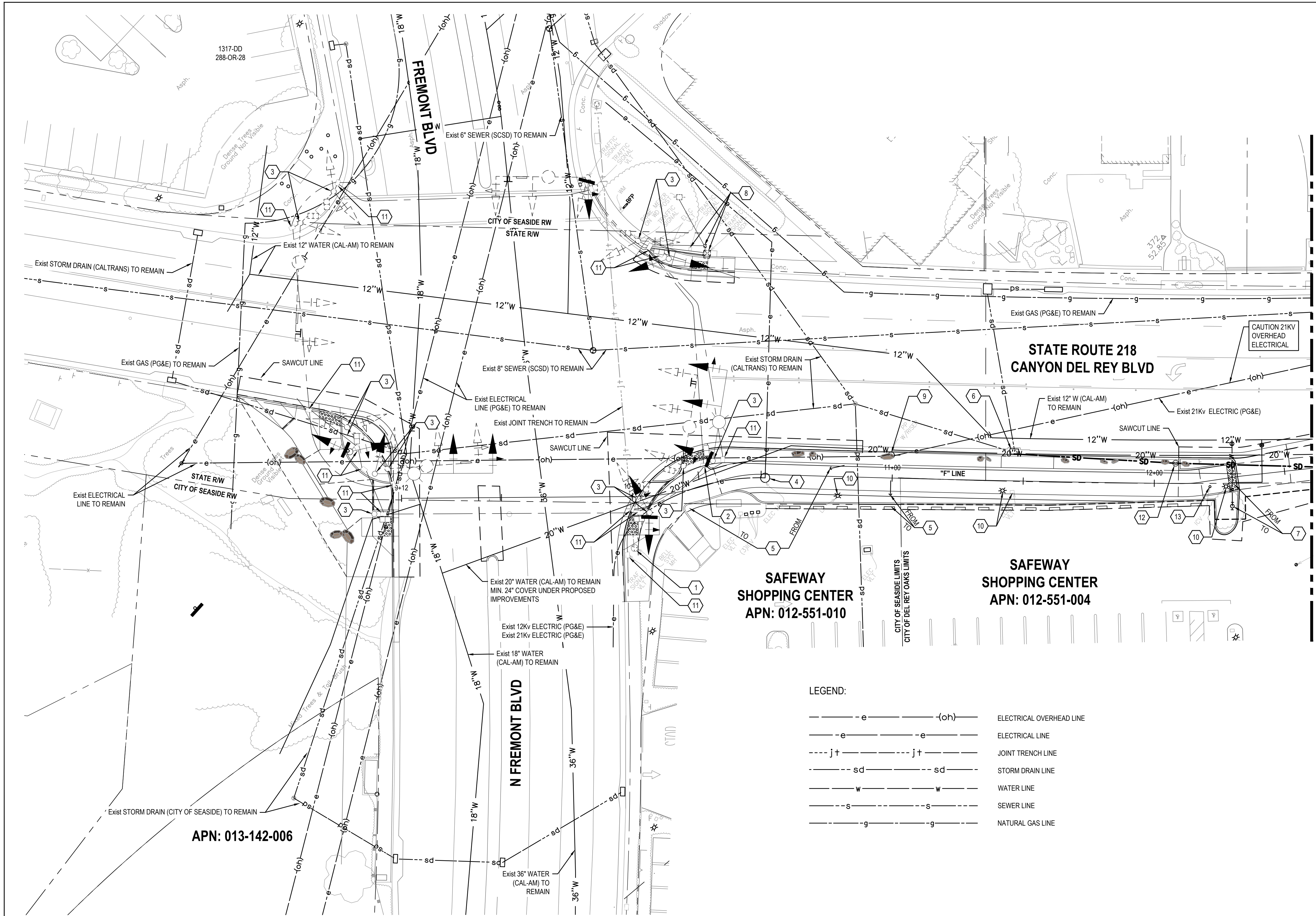


Bar is one inch on original size sheet
 0 1"



Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023

Title	STORM WATER DETAILS
Scale	AS SHOWN
Sheet No.	SW-501
Sheet	75 of 195



SHEET GENERAL NOTES

- CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND OR GAS LINES.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
- PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
- LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
- CONTRACTOR TO LOCATE STREET LIGHT ELECTRICAL LINES PRIOR TO CONSTRUCTION.

SHEET KEYNOTES

- ADJUST TO GRADE AT&T MANHOLE COVER.
- ADJUST TO GRADE ELECTRICAL PULL BOX.
- TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL MODIFICATION PLAN, SHEET T-101.
- ADJUST TO GRADE ELECTRICAL MANHOLE AND REPLACE MANHOLE LID WITH ADA COMPLIANT LID BY OTHERS (PG&E).
- UTILITY POLE GUY WIRE. TO BE RELOCATED BY OTHERS (PG&E).
- PROTECT IN PLACE EXISTING SDDI. CONNECT NEW PVC AREA DRAIN LINE FROM SHEET U-102.
- FIRE HYDRANT TO BE RELOCATED BY OTHERS (CAL-AM).
- PROTECT IN PLACE EXISTING SIGNAL EQUIPMENT.
- PROTECT IN PLACE UTILITY POLE (ONLY GUY WIRES TO BE RELOCATED).
- SEE LIGHTING PLANS FOR STREET LIGHT AND BOX RELOCATIONS.
- TRAFFIC SIGNAL PULL BOX. SEE TRAFFIC SIGNAL MODIFICATION PLAN, SHEET T-101.
- NEW SD CLEAN OUT AND NEW SD LINE, SEE CONTINUATION ON U-102.
- RELOCATE IRRIGATION CONTROL VALVE BEHIND NEW CURB.

UTILITY OWNER LIST

UTILITY	OWNER
GAS	PG&E
ELECTRIC - DISTRIBUTION	PG&E
ELECTRIC - TRANSMISSION	PG&E
TELECOMMUNICATIONS	AT&T
TELECOMMUNICATIONS	COMCAST
WATER	CALIFORNIA-AMERICAN WATER COMPANY (CAL-AM)
SEWER	SEASIDE COUNTY SANITATION DISTRICT (SCSD)
STORM DRAIN	CITY OF SEASIDE (WITHIN CITY LIMITS, EXCLUDING HIGHWAY R/W)
STORM DRAIN	CITY OF DEL REY OAKS (WITHIN CITY LIMITS, EXCLUDING HIGHWAY R/W)
STORM DRAIN	CALTRANS (WITHIN HIGHWAY R/W)

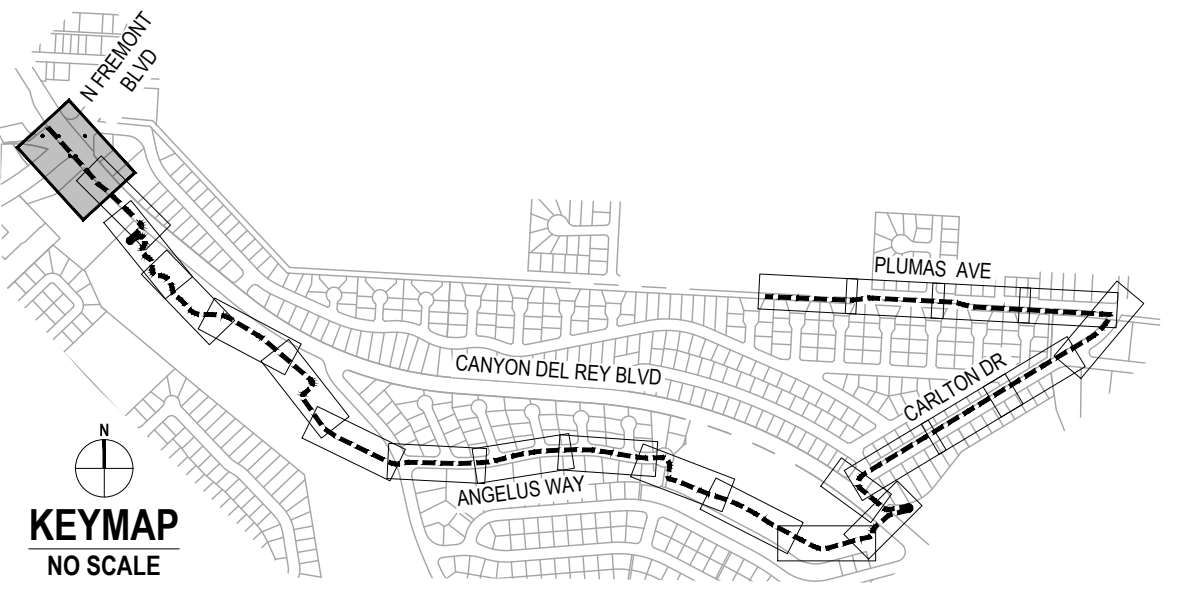
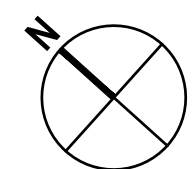
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LEGEND:

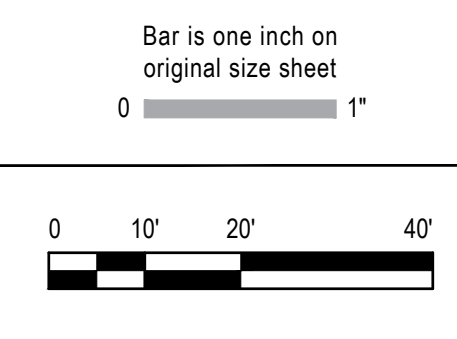
	ELECTRICAL OVERHEAD LINE
	ELECTRICAL LINE
	JOINT TRENCH LINE
	STORM DRAIN LINE
	WATER LINE
	SEWER LINE
	NATURAL GAS LINE

1 UTILITY PLAN

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Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



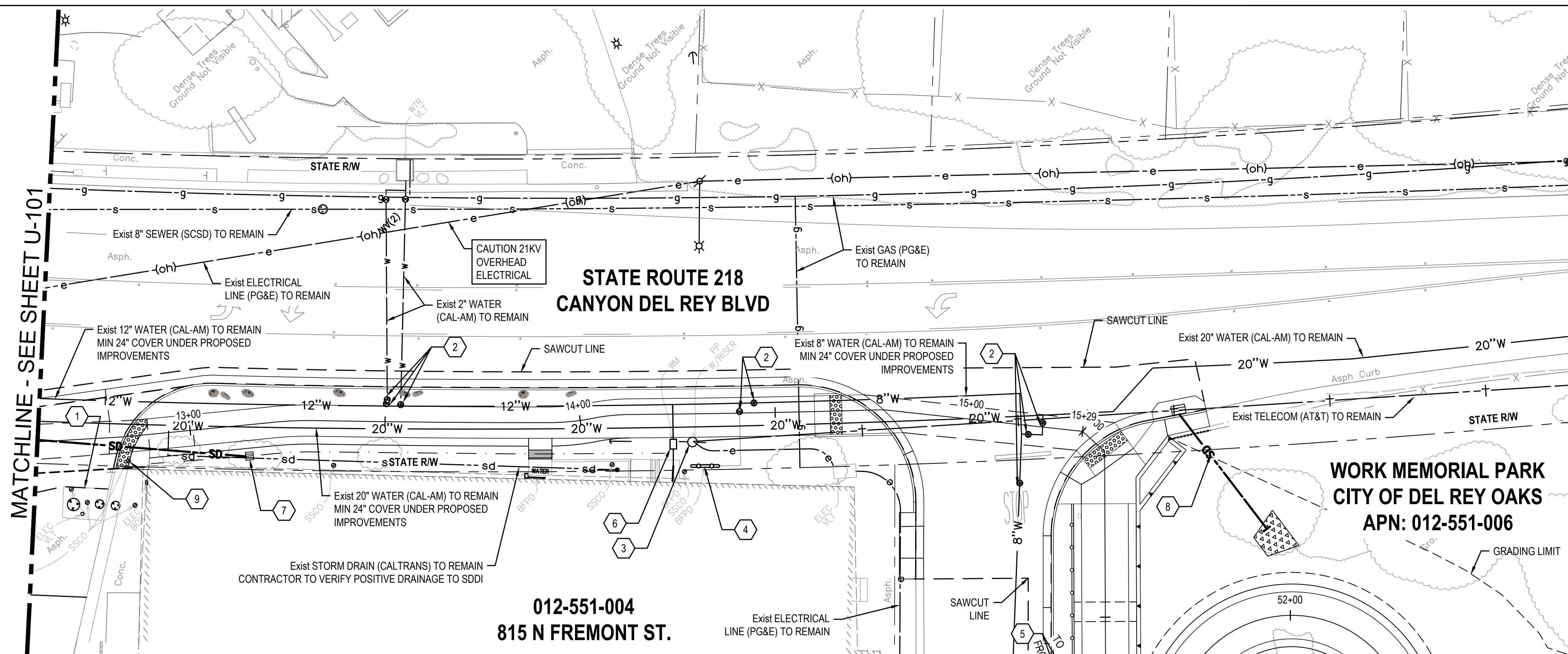
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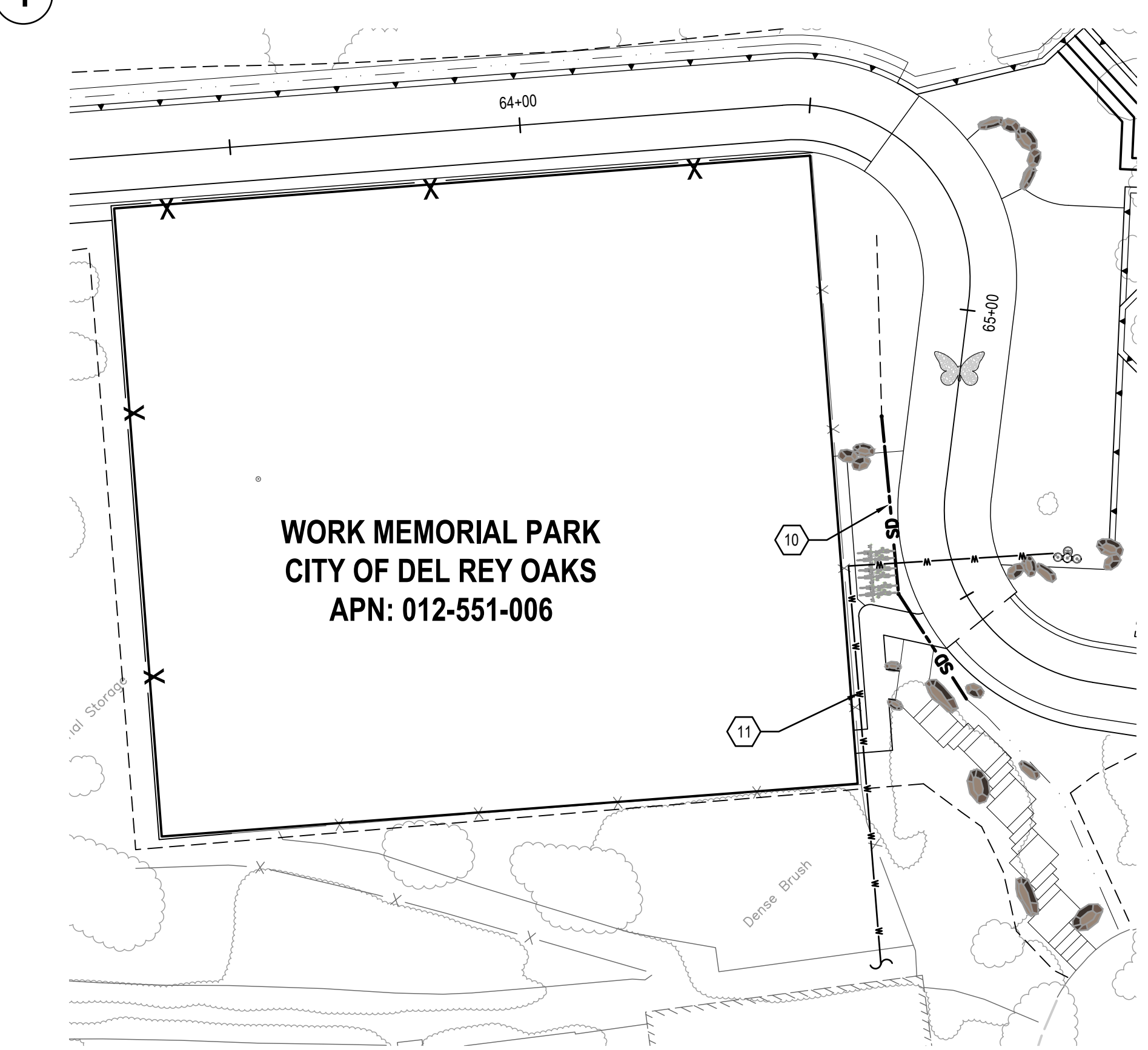


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	UTILITY PLAN - 1
Size	ANSI D
Status Code	
Sheet No.	U-101
Sheet	76 of 195



1 UTILITY PLAN



2 UTILITY PLAN

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

SHEET GENERAL NOTES

- CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND/OR GAS LINES.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
- PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
- LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
- CONTRACTOR TO LOCATE STREET LIGHT ELECTRICAL LINES PRIOR TO CONSTRUCTION.

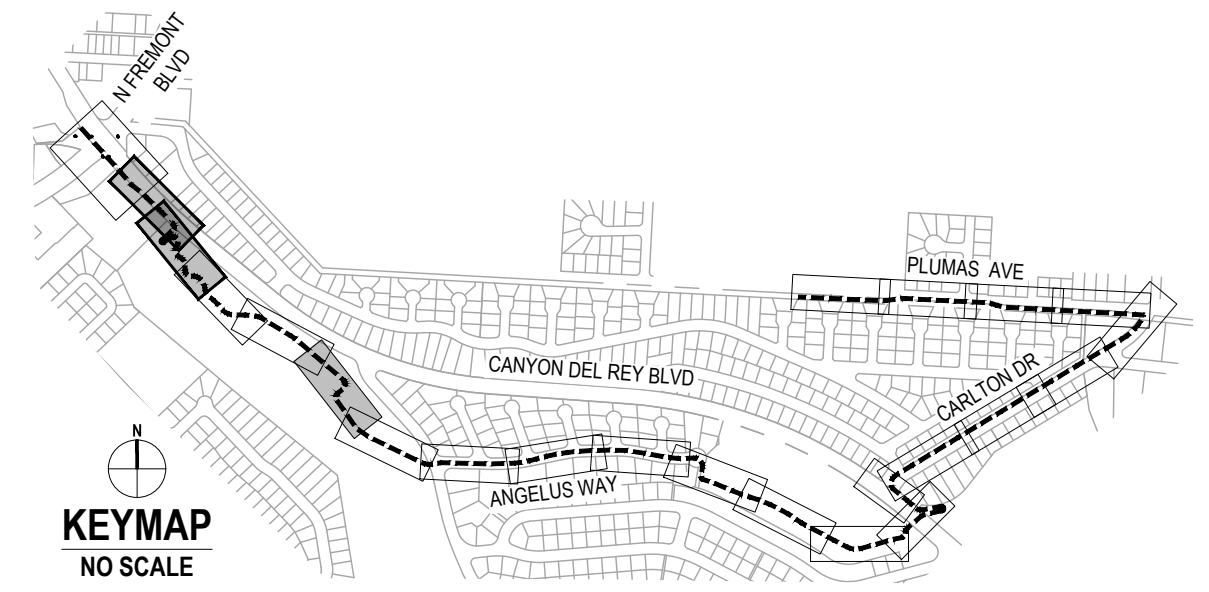
SHEET KEYNOTES

- PROTECT IN PLACE EXISTING SEWER STRUCTURE.
- ADJUST TO GRADE EXISTING WATER VALVE COVERS.
- PROTECT IN PLACE EXISTING UTILITY POLE & GUY WIRE.
- PROTECT IN PLACE BACKFLOW PREVENTOR.
- FIRE HYDRANT TO BE RELOCATED BY OTHERS (CAL-AM).
- ADJUST TO GRADE EXISTING WATER METER BOX.
- SHALLOW STORM DRAIN, LOCATION APPROXIMATE. INSTALL NEW 12"x12" INLET, CONNECT TO EXISTING SDDI AT "F" LINE STA 11+50 WITH 6" PVC AT MIN 0.5% SLOPE.
- SEE DRAINAGE PLANS.
- ADJUST TO GRADE EXISTING SANITARY SEWER CLEANOUT BOX.
- AREA DRAIN LINE, SEE GRADING DETAIL SHEET.
- 3/4" DIP WATERLINE FROM HYDRATION STATION TO EXISTING BUILDING, 18" COVER MIN. 1' CLEAR VERTICAL TO STORM DRAIN LINE. COORDINATE TIE-IN TO EXISTING BUILDING PER DRINKING WATER STANDARDS.

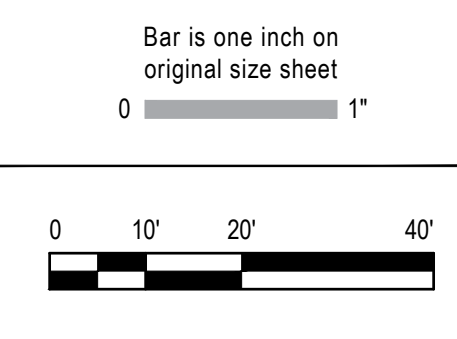
UTILITY OWNER LIST

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ELECTRIC - TRANSMISSION	PG&E
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STORM DRAIN	CALTRANS (WITHIN HIGHWAY R/W)

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Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

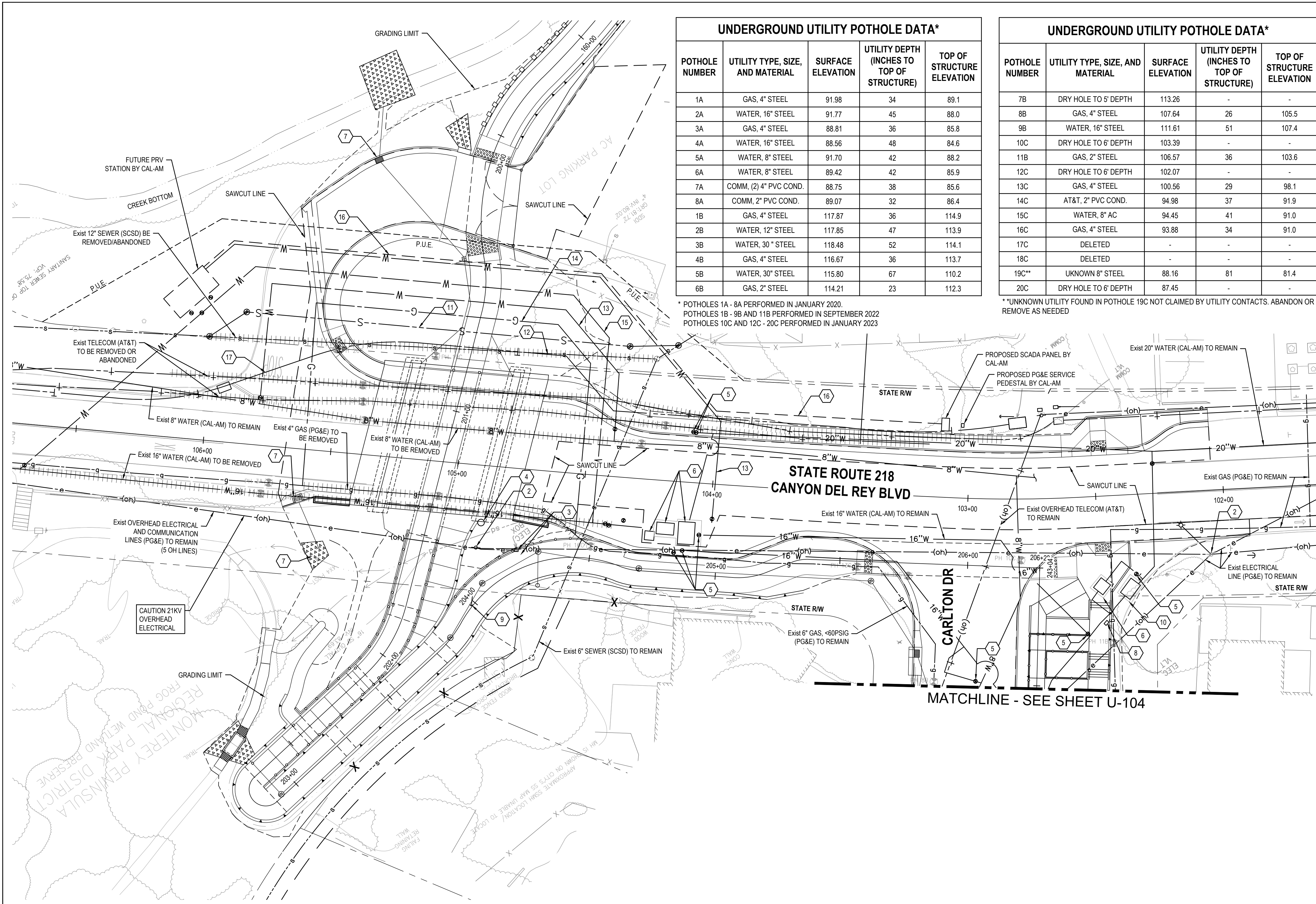
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **UTILITY PLAN - 2**

Size **ANSI D**

Status Code

Sheet No. **U-102** Sheet **77 of 195**



UNDERGROUND UTILITY POTHOLE DATA*

POTHOLE NUMBER	UTILITY TYPE, SIZE, AND MATERIAL	SURFACE ELEVATION	UTILITY DEPTH (INCHES TO TOP OF STRUCTURE)	TOP OF STRUCTURE ELEVATION
1A	GAS, 4" STEEL	91.98	34	89.1
2A	WATER, 16" STEEL	91.77	45	88.0
3A	GAS, 4" STEEL	88.81	36	85.8
4A	WATER, 16" STEEL	88.56	48	84.6
5A	WATER, 8" STEEL	91.70	42	88.2
6A	WATER, 8" STEEL	89.42	42	85.9
7A	COMM, (2) 4" PVC COND.	88.75	38	85.6
8A	COMM, 2" PVC COND.	89.07	32	86.4
1B	GAS, 4" STEEL	117.87	36	114.9
2B	WATER, 12" STEEL	117.85	47	113.9
3B	WATER, 30" STEEL	118.48	52	114.1
4B	GAS, 4" STEEL	116.67	36	113.7
5B	WATER, 30" STEEL	115.80	67	110.2
6B	GAS, 2" STEEL	114.21	23	112.3

UNDERGROUND UTILITY POTHOLE DATA*

POTHOLE NUMBER	UTILITY TYPE, SIZE, AND MATERIAL	SURFACE ELEVATION	UTILITY DEPTH (INCHES TO TOP OF STRUCTURE)	TOP OF STRUCTURE ELEVATION
7B	DRY HOLE TO 5' DEPTH	113.26	-	-
8B	GAS, 4" STEEL	107.64	26	105.5
9B	WATER, 16" STEEL	111.61	51	107.4
10C	DRY HOLE TO 6' DEPTH	103.39	-	-
11B	GAS, 2" STEEL	106.57	36	103.6
12C	DRY HOLE TO 6' DEPTH	102.07	-	-
13C	GAS, 4" STEEL	100.56	29	98.1
14C	AT&T, 2" PVC COND.	94.98	37	91.9
15C	WATER, 8" AC	94.45	41	91.0
16C	GAS, 4" STEEL	93.88	34	91.0
17C	DELETED	-	-	-
18C	DELETED	-	-	-
19C**	UNKNOWN 8" STEEL	88.16	81	81.4
20C	DRY HOLE TO 6' DEPTH	87.45	-	-

* POTHOLES 1A - 8A PERFORMED IN JANUARY 2020.
 POTHOLES 1B - 9B AND 11B PERFORMED IN SEPTEMBER 2022
 POTHOLES 10C AND 12C - 20C PERFORMED IN JANUARY 2023

** UNKNOWN UTILITY FOUND IN POTHOLE 19C NOT CLAIMED BY UTILITY CONTACTS. ABANDON OR REMOVE AS NEEDED

SHEET GENERAL NOTES

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- CONTRACTOR TO LOCATE STREET LIGHT ELECTRICAL LINES PRIOR TO CONSTRUCTION.

SHEET KEYNOTES

- SEE DRAINAGE PLANS.
- PROTECT IN PLACE UTILITY POLE.
- METER PEDESTAL AND PRV STATION TO BE RELOCATED BY OTHERS.
- AIR RELIEF VALVE TO BE RELOCATED BY OTHERS.
- ADJUST TO GRADE WATER VALVE COVER.
- ADJUST TO GRADE WATER VAULT COVER.
- SEE DRAINAGE PLANS.
- ELECTRIC BOX, ADJUST COVER TO GRADE.
- UTILITY POLE GUY WIRE TO BE RELOCATED BY OTHERS.
- WATER VAULT PROTECT IN PLACE.
- NEW 12" SANITARY SEWER, SEE SHEET SS-101
- NEW 4X4" COMMUNICATIONS CONDUITS BY OTHERS (AT&T).
- NEW 8" WATERLINE BY OTHERS (CALAM).
- NEW 6" <60 PSIG GAS LINE BY OTHERS (PG&E).
- NEW 16" WATERLINE BY OTHERS (CALAM).
- NEW COMMUNICATIONS CONDUIT FOR FUTURE PRV BY OTHERS (CALAM).
- RELOCATE TELECOM BY OTHERS (AT&T).

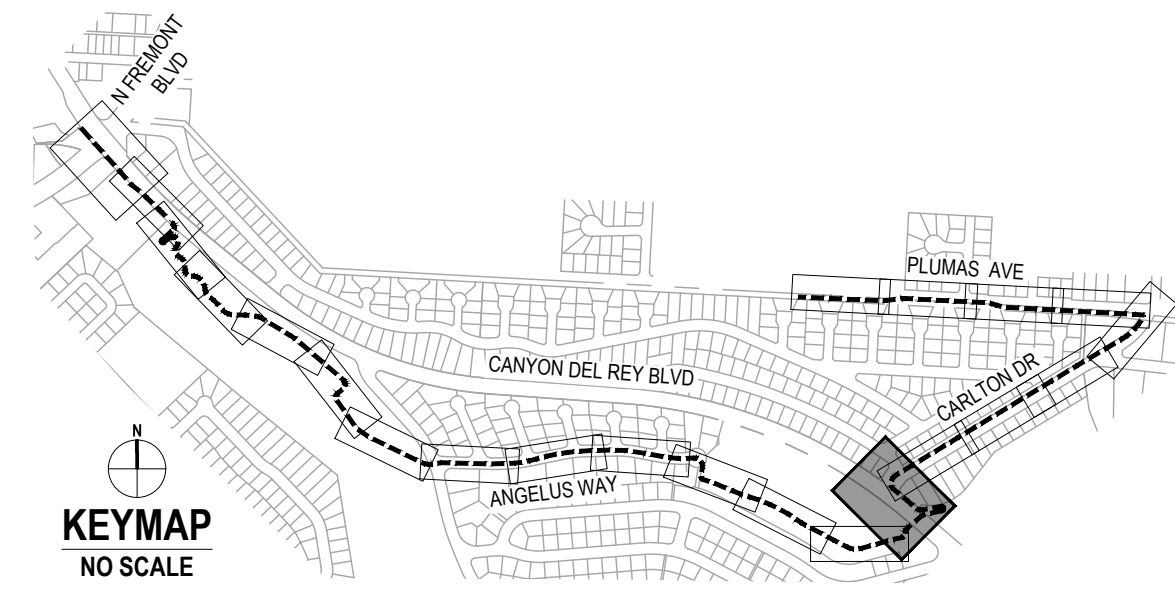
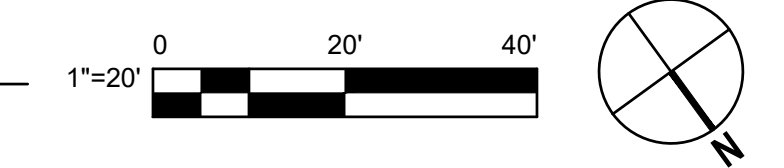
UTILITY OWNER LIST

UTILITY	OWNER
GAS	PG&E
ELECTRIC - DISTRIBUTION	PG&E
ELECTRIC - TRANSMISSION	PG&E
TELECOMMUNICATIONS	AT&T
TELECOMMUNICATIONS	COMCAST
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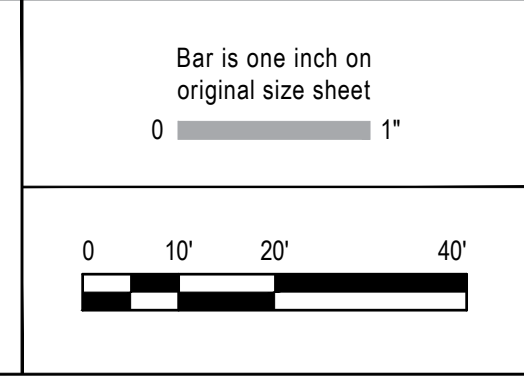
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1 UTILITY PLAN

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No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director



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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

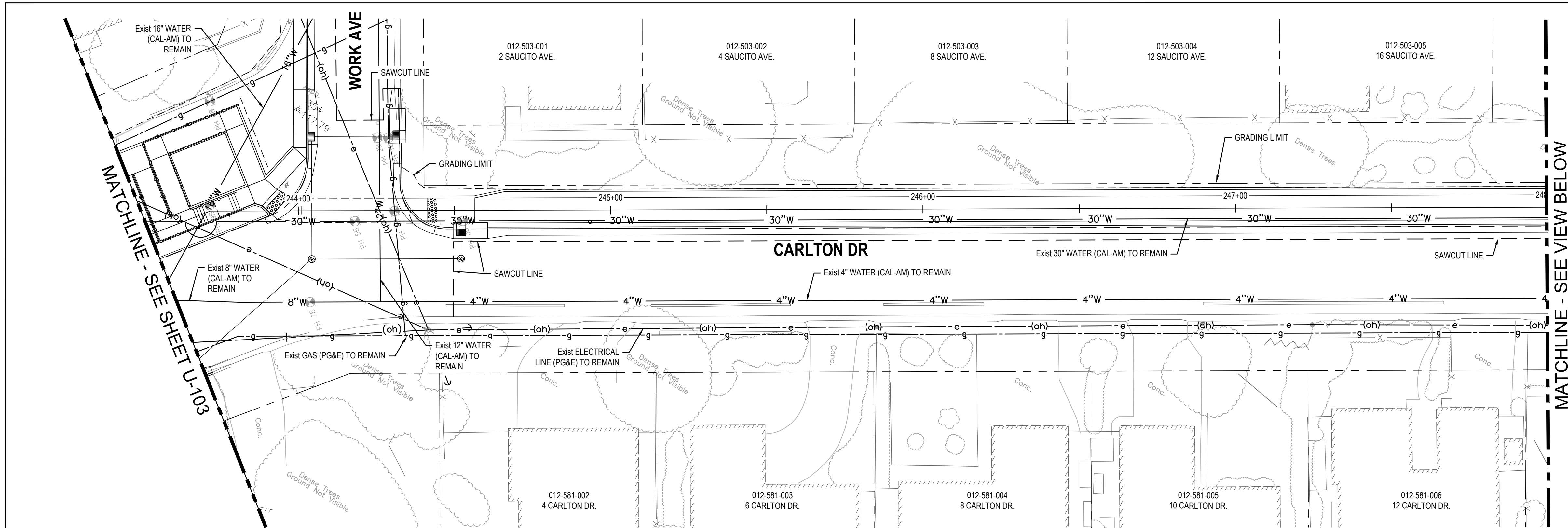
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Size **ANSI D**

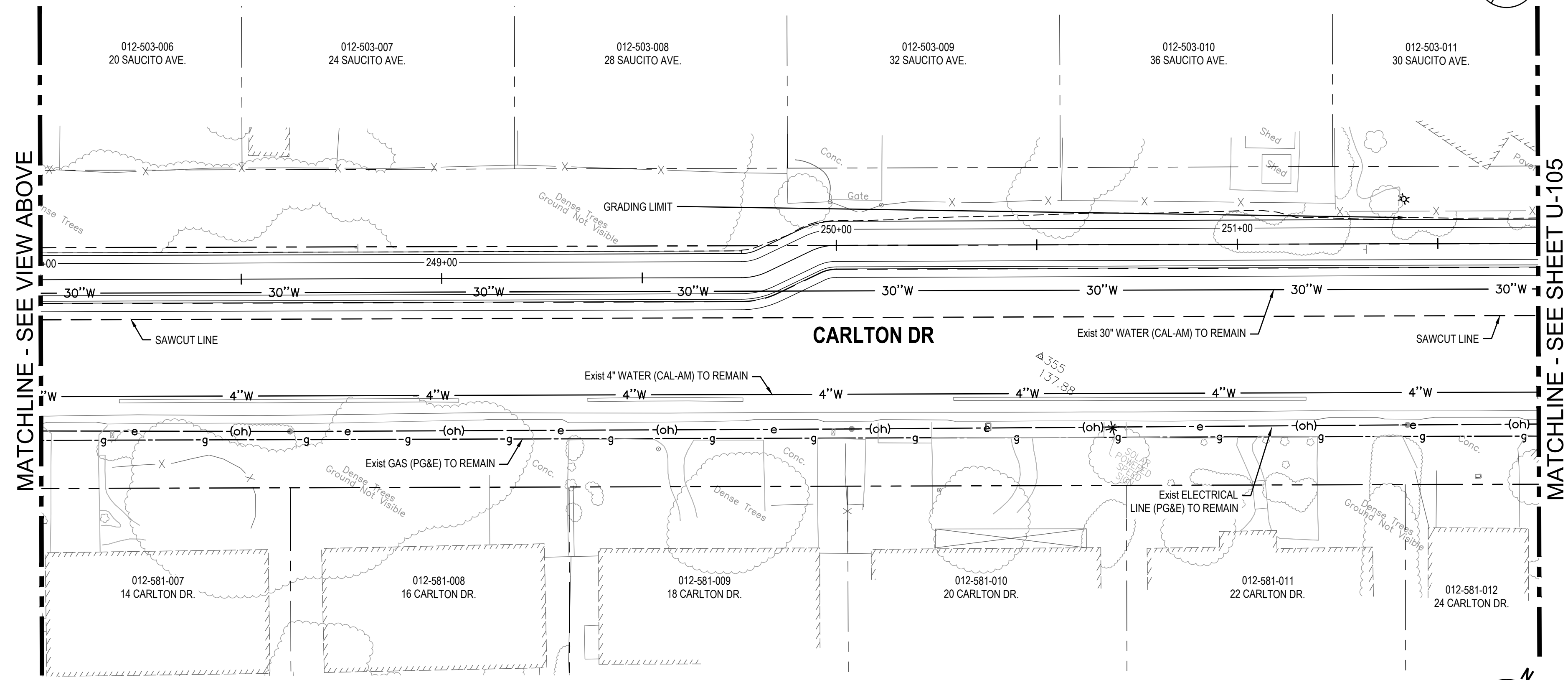
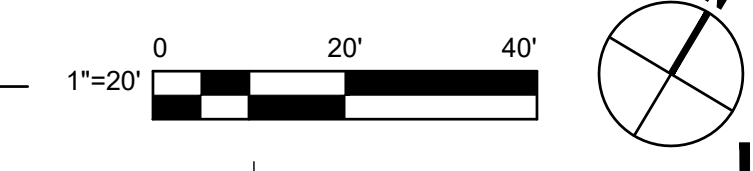
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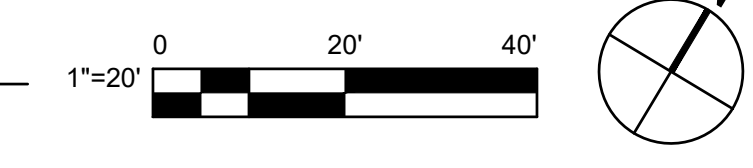
Sheet 78 of 195



1 UTILITY PLAN



2 UTILITY PLAN



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- ### SHEET GENERAL NOTES
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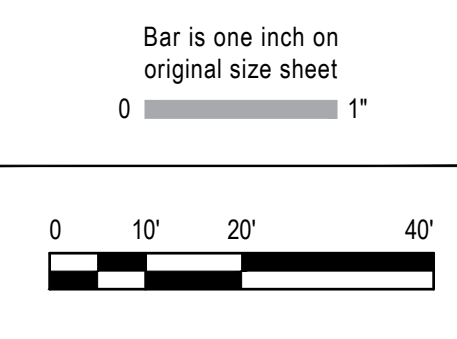
SHEET KEYNOTES

UTILITY OWNER LIST

UTILITY	OWNER
GAS	PG&E
ELECTRIC - DISTRIBUTION	PG&E
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Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



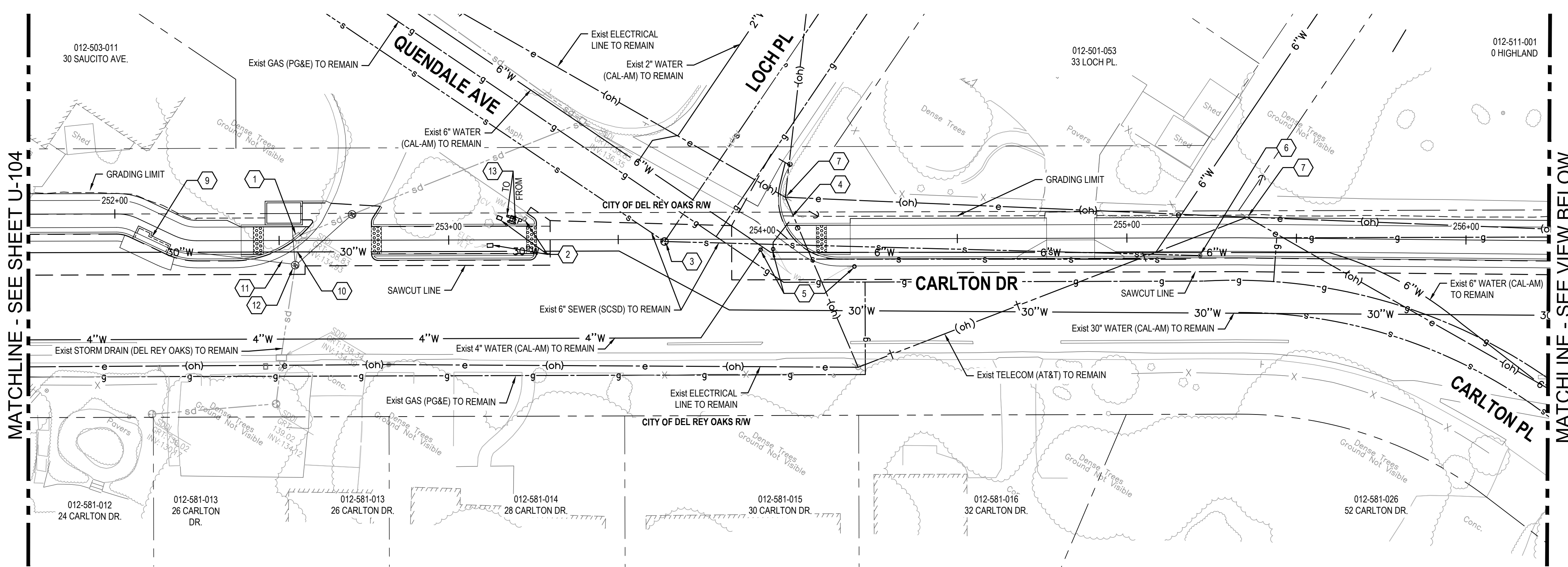
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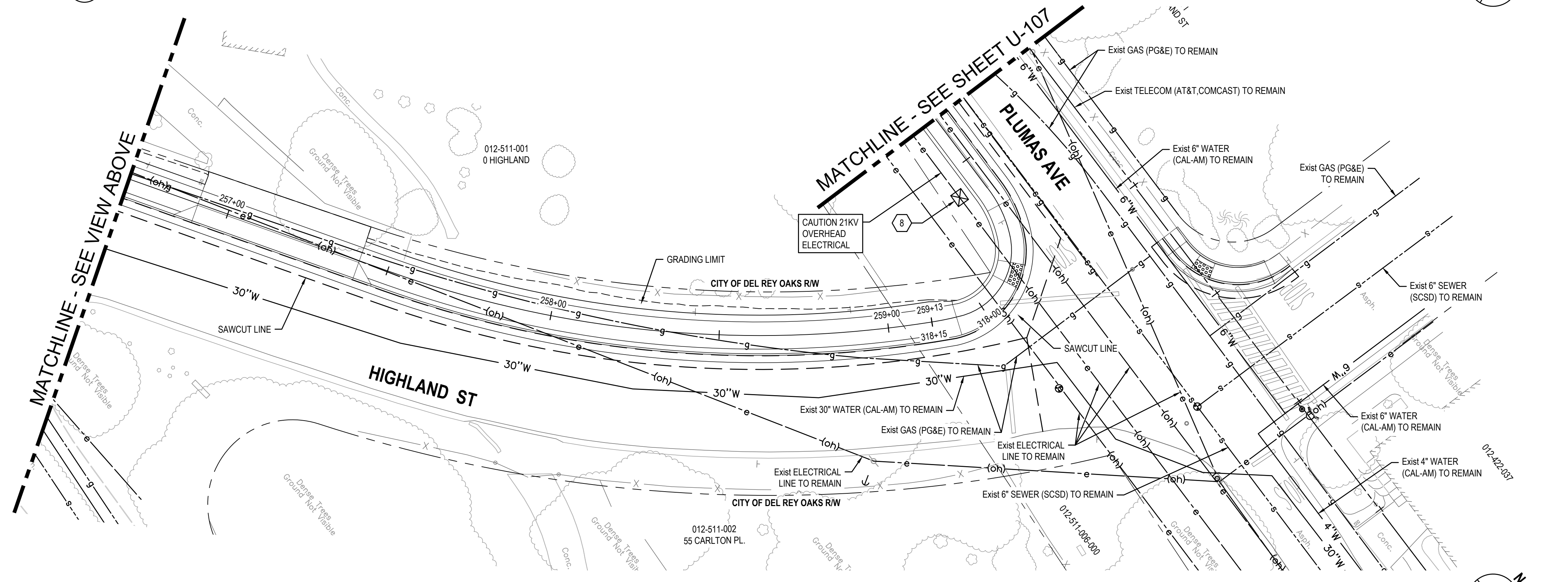
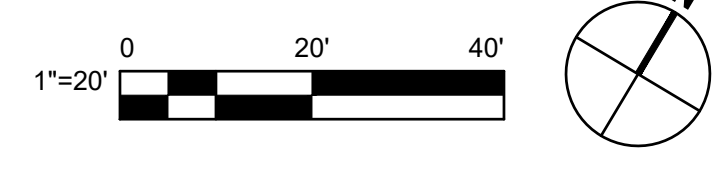


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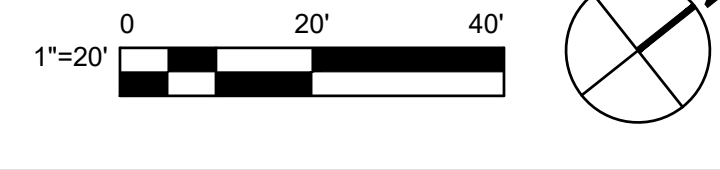
Title	UTILITY PLAN - 4
Size	ANSI D
Status Code	
Sheet No.	U-104
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1 UTILITY PLAN



2 UTILITY PLAN



- SHEET GENERAL NOTES**
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- SHEET KEYNOTES**
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 - ADJUST TO GRADE EXISTING IRRIGATION EQUIPMENT.
 - PROTECT IN PLACE EXISTING SEWER MANHOLE.
 - FIRE HYDRANT TO BE RELOCATED BY OTHERS.
 - ADJUST TO GRADE EXISTING WATER VALVE COVER.
 - ADJUST TO GRADE SEWER STRUCTURE.
 - PROTECT IN PLACE, EXISTING UTILITY POLE.
 - PROTECT IN PLACE EXISTING ELECTRICAL TRANSMISSION TOWER.
 - SEE DRAINAGE PLANS.
 - SEE DRAINAGE PLANS.
 - SEE DRAINAGE PLANS.
 - SEE DRAINAGE PLANS.
 - RELOCATE BACK FLOW PREVENTER (BFP).

UTILITY OWNER LIST

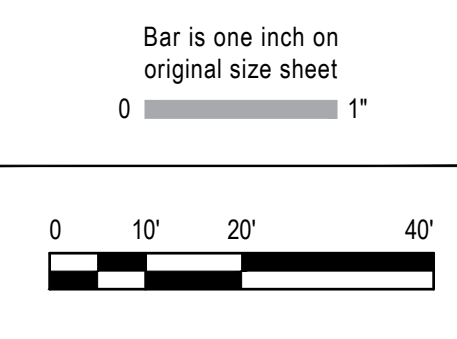
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**CAUTION
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No.	Issue	Author	Checked	Approved	Date
1	EM	EM	SG	L. VAN PARYS	
2	CO	CO	SG	K. VEDULA	



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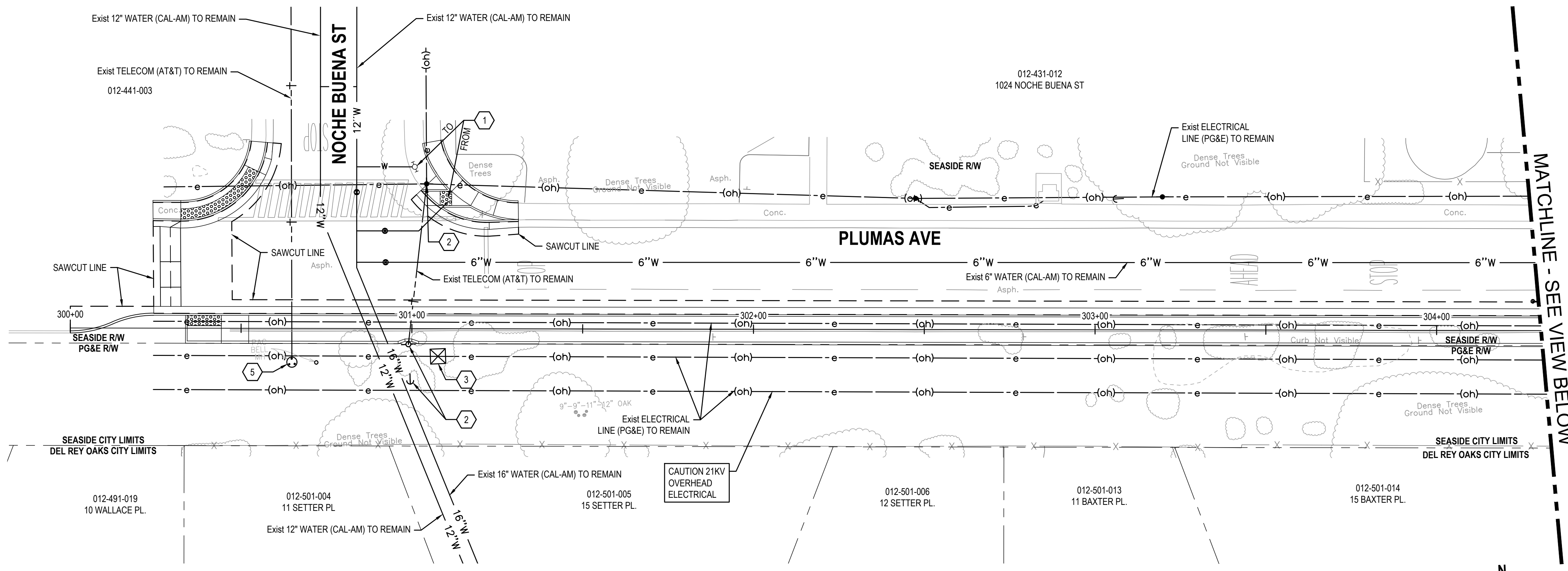
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title UTILITY PLAN - 5
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size
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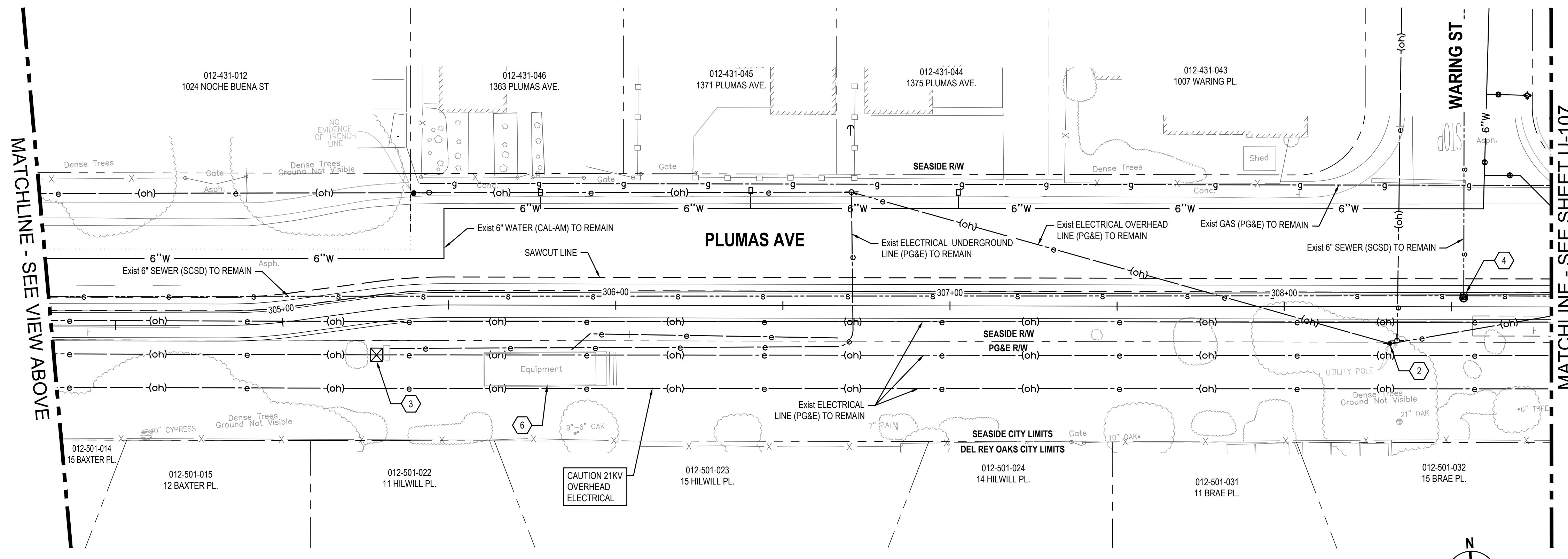
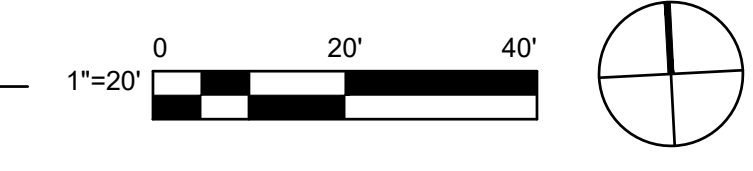
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U-105

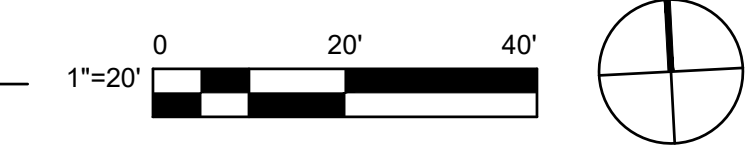
Sheet
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1 UTILITY PLAN



2 UTILITY PLAN



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- CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND/OR GAS LINES.
 - CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
 - PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 - LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 - CONTRACTOR TO LOCATE STREET LIGHT ELECTRICAL LINES PRIOR TO CONSTRUCTION.

- SHEET KEYNOTES**
- FIRE HYDRANT TO BE RELOCATED BY OTHERS.
 - PROTECT IN PLACE EXISTING UTILITY POLE AND GUY WIRE.
 - PROTECT IN PLACE EXISTING ELECTRICAL TRANSMISSION TOWER.
 - REMOVE EXISTING MANHOLE CONE AND CONSTRUCT ECCENTRIC CONE TO GRADE PER SPPW DETAIL, SHEET C-502.
 - PROTECT COMMUNICATION MANHOLE.
 - PROTECT IN PLACE EXISTING AT&T FACILITY.

UTILITY OWNER LIST

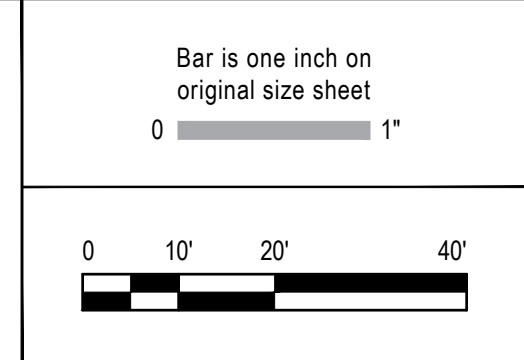
UTILITY	OWNER
GAS	PG&E
ELECTRIC - DISTRIBUTION	PG&E
ELECTRIC - TRANSMISSION	PG&E
TELECOMMUNICATIONS	AT&T
TELECOMMUNICATIONS	COMCAST
WATER	CALIFORNIA-AMERICAN WATER COMPANY (CAL-AM)
SEWER	SEASIDE COUNTY SANITATION DISTRICT (SCSD)
STORM DRAIN	CITY OF SEASIDE (WITHIN CITY LIMITS, EXCLUDING HIGHWAY R/W)
STORM DRAIN	CITY OF DEL REY OAKS (WITHIN CITY LIMITS, EXCLUDING HIGHWAY R/W)
STORM DRAIN	CALTRANS (WITHIN HIGHWAY R/W)

**CAUTION
HIGH VOLTAGE
OVERHEAD LINES IN
THIS AREA**



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



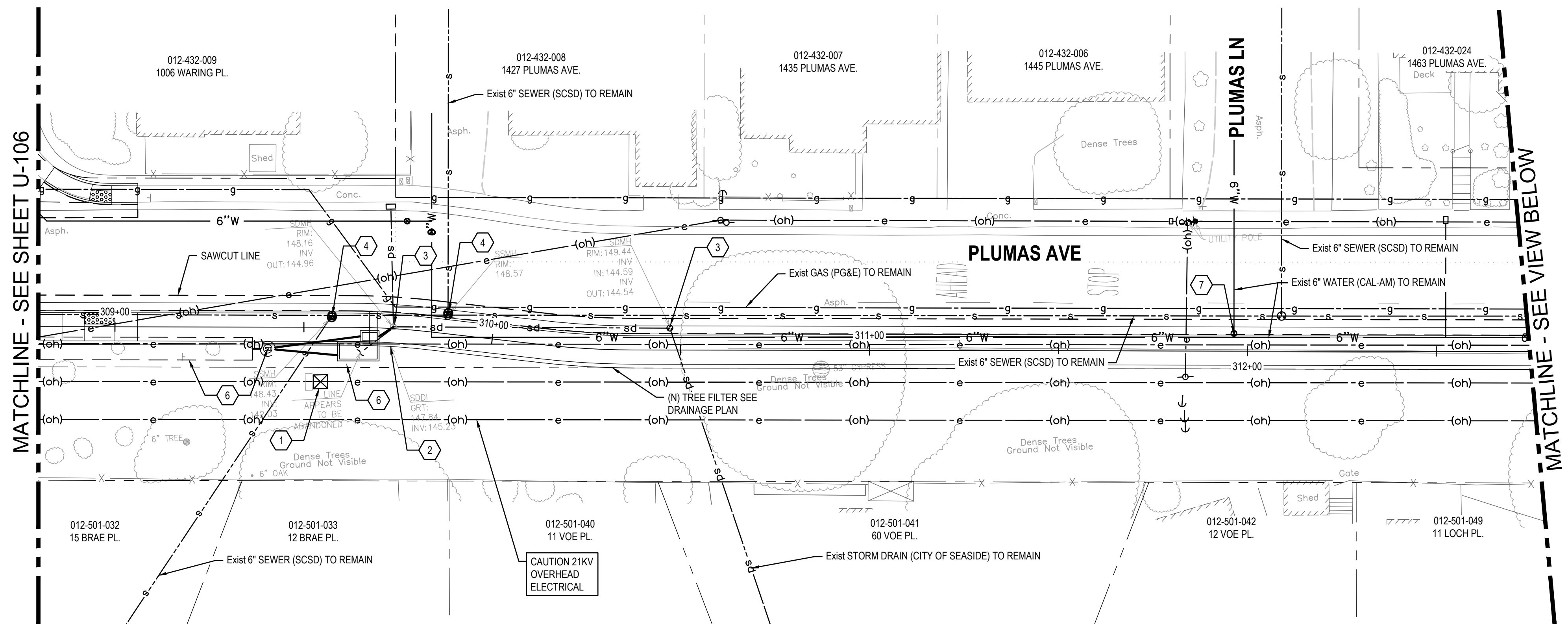
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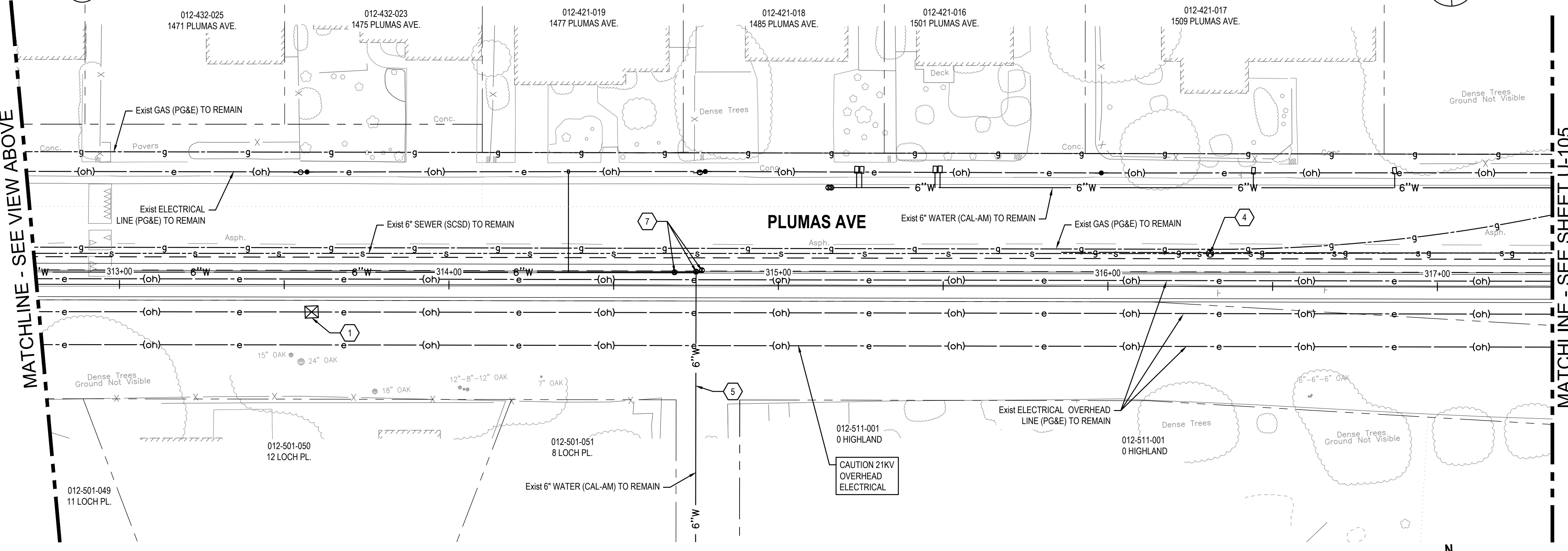
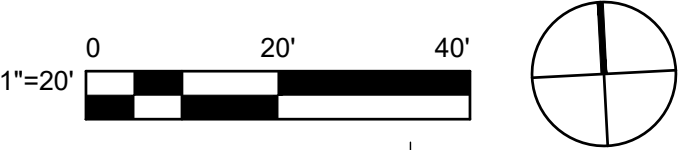


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

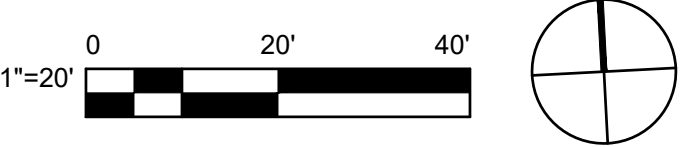
Title	UTILITY PLAN - 6
Size	ANSI D
Status Code	
Sheet No.	U-106
Sheet	81 of 195



1 UTILITY PLAN



2 UTILITY PLAN



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

SHEET GENERAL NOTES

- CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND/OR GAS LINES.
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- PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
- LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
- CONTRACTOR TO LOCATE STREET LIGHT ELECTRICAL LINES PRIOR TO CONSTRUCTION.

SHEET KEYNOTES

- PROTECT IN PLACE EXISTING ELECTRICAL TOWER.
- REMOVE EXISTING DRAINAGE INLET.
- ADJUST TO GRADE EXISTING STORM DRAIN MANHOLE COVER.
- REMOVE EXISTING MANHOLE CONE AND CONSTRUCT ECCENTRIC CONE TO GRADE PER SPPW DETAIL, SHEET C-502.
- PROTECT IN PLACE EXISTING WATERLINE.
- SEE DRAINAGE PLANS.
- ADJUST TO GRADE EXISTING WATER VALVE.

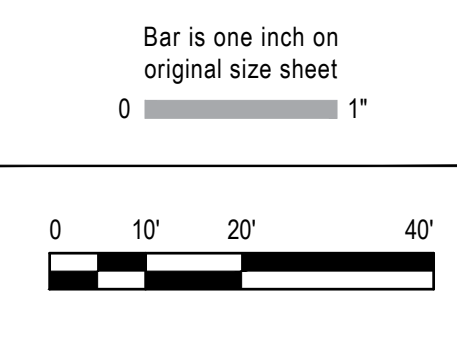
UTILITY OWNER LIST

UTILITY	OWNER
GAS	PG&E
ELECTRIC - DISTRIBUTION	PG&E
ELECTRIC - TRANSMISSION	PG&E
TELECOMMUNICATIONS	AT&T
TELECOMMUNICATIONS	COMCAST
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STORM DRAIN	CALTRANS (WITHIN HIGHWAY R/W)

**CAUTION
HIGH VOLTAGE
OVERHEAD LINES IN
THIS AREA**

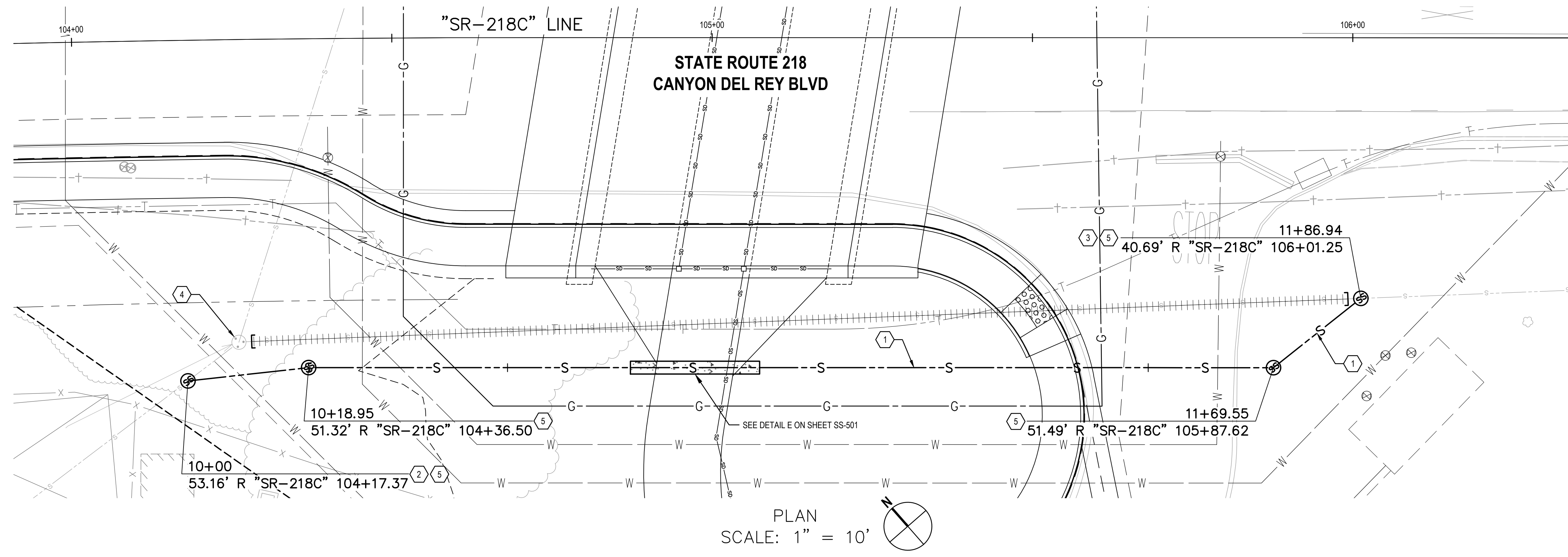


No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA

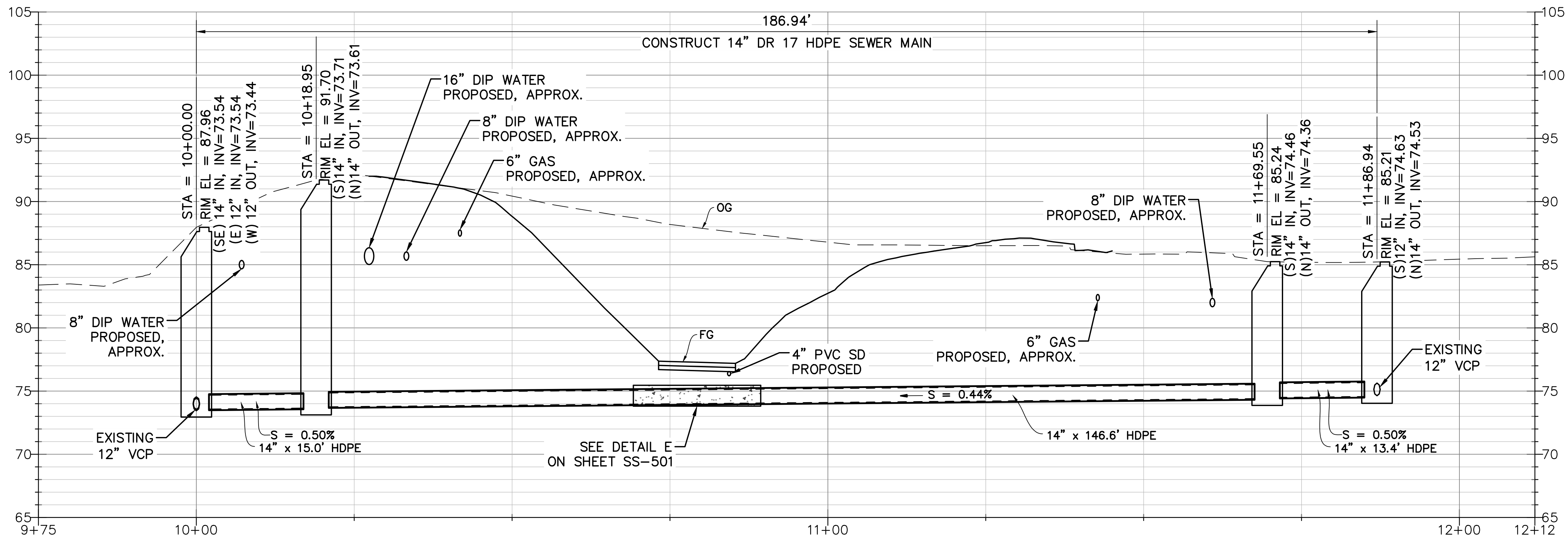


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	UTILITY PLAN - 7
Size	ANSI D
Status Code	
Sheet No.	U-107
Sheet	82 of 195



PLAN
SCALE: 1" = 10'

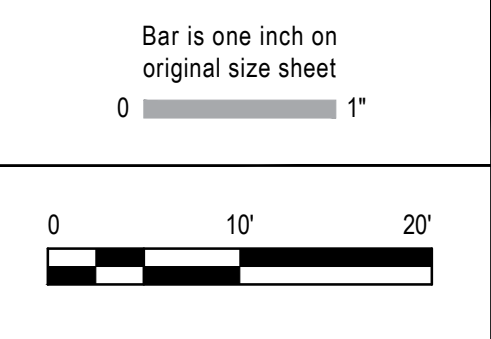


PROFILE
SCALE: Horiz 1" = 10'
Vert 1" = 5'

- ### SHEET GENERAL NOTES
- EXISTING SEWER MAINS AND SERVICES SHALL BE KEPT IN SERVICE AT ALL TIMES. THE CONTRACTOR SHALL IMPLEMENT ALL MEANS NECESSARY, TO INCLUDE BYPASS PUMPING, TO MAINTAIN SEWER SERVICE. SUBMIT PROPOSED PLAN TO THE ENGINEER FOR REVIEW PER THE SPECIFICATIONS.
 - INSPECTION OF SEWER MAINS WITH VIDEO EQUIPMENT: A DIGITAL RECORDING OF ALL SEWER MAINS SHALL BE MADE WITH SOFTWARE THAT ENCODES BREAKS, LATERALS, ETC. WITH PIPELINE ASSESSMENT AND CERTIFICATION PROGRAM (PACP) STANDARD CODES. WRITTEN SUMMARIES AND DIGITAL COPIES OF VIDEO INSPECTIONS SHALL BE SUBMITTED TO THE DISTRICT ENGINEER WITH SEVENTY-TWO (72) HOURS OF COMPLETING THE INSPECTION. A SIGNED COVER LETTER SHALL TRANSMIT THE VIDEO INFORMATION AND SHALL NOTE ALL PIPE DEFECTS AND MAJOR ANOMALIES OBSERVED IN INSPECTION.
 - ACCEPTANCE TESTING OF SEWER MAINS AND APPURTENANCES: MANHOLES SHALL BE NEGATIVE PRESSURE TESTED IN ACCORDANCE WITH ASTM C1244 PRIOR TO BACKFILLING. SEWER MAINS SHALL BE AIR PRESSURE TESTED IN ACCORDANCE WITH APPLICABLE PORTIONS OF ASTM C 828 AND ASTM C924 AND MANUFACTURER'S REQUIREMENTS. DR 17 HDPE PIPE MAINS SHALL BE TESTED WITH A NINETY-FIVE (95) PERCENT MANDREL IN ACCORDANCE WITH ASTM D2122 TO ENSURE PIPE ROUNDNESS REQUIREMENTS ARE MET. ALL TEST RESULTS SHALL BE RECORDED AND SUBMITTED TO THE DISTRICT ENGINEER FOR REVIEW AND APPROVAL. SECTIONS OF PIPE FAILING TESTING SHALL BE REMOVED AND REPLACED TO THE SATISFACTION OF THE DISTRICT ENGINEER.
 - HDPE PIPE JOINTING SHALL BE PERFORMED BY PERSONNEL TRAINED IN USE OF BUTT FUSION EQUIPMENT AND THE RECOMMENDED METHODS FOR NEW PIPE CONNECTIONS. THE BUTT FUSION PROCEDURES USED SHALL BE PROCEDURES THAT ARE RECOMMENDED BY THE PIPE MANUFACTURER. EXTERNAL BEADS DO NOT NEED TO BE REMOVED. INTERNAL BEADS FROM INVERT TO SPRING LINE SHALL BE REMOVED. THE BEAD SHALL BE REMOVED DOWN TO, OR JUST ABOVE THE PIPE'S SURFACE, BUT NEVER BELOW IT. THE JOINT SHALL BE COMPLETELY COOLED TO AMBIENT TEMPERATURE BEFORE BEAD REMOVAL.
 - NO DISCHARGING TO STORM DRAINS. ALL WATER DISCHARGE TO SEWER FROM CLEANING, VIDEOTAPE, AND OTHER ACTIVITIES SHALL COMPLY WITH MONTEREY ONE WATER REQUIREMENTS AND MONTEREY COUNTY CENTRAL COAST RWQCB REGULATIONS, PER SECTION 01060.
 - ALL SEWER LINES SHALL COMPLY WITH ALL TESTING, CLEANING, AND VIDEO RECORDING REQUIREMENTS. PRIOR TO CONNECTION TO THE DISTRICT'S SEWER SYSTEM, NO TIE-IN CONNECTIONS WILL BE DONE UNTIL THE DISTRICT HAS ACCEPTED THE NEW LINE.
 - AN INFILTRATION TEST SHALL BE PERFORMED ON ALL SEWER LINES LAID IN GROUNDWATER, PER SECTION 306-1.4.3 OF THE SSPWC.
 - UPON ACCEPTANCE OF A SEWER LINE, THE CONTRACTOR SHALL PROTECT THE LINE FROM FOREIGN MATERIAL BY INSTALLING PLYWOOD OVER THE MANHOLE BASE UNTIL ALL GRADING, PAVING, AND MANHOLE RAISING IS COMPLETE AND ACCEPTED BY THE DISTRICT.
 - UNLESS OTHERWISE SHOWN, SEWER LATERALS SHALL BE RUN PERPENDICULAR TO THE MAIN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS. ALL IMPROVEMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED IN KIND TO ORIGINAL OR BETTER CONDITION, AND TO THE SATISFACTION OF THE ENGINEER AND DISTRICT.
 - FOR ABANDONMENTS SHOWN, CONTRACTOR SHALL REFER TO DETAIL D ON SHEET SS-501.
 - ALL DISTANCES SHOWN ALONG THE CENTERLINE OF PIPE ARE HORIZONTAL DISTANCES. ALL PIPE LENGTHS ARE SHOWN ON THE PROFILE. UNLESS OTHERWISE NOTED, ALL DIAMETERS OF EXISTING AND PROPOSED MANHOLES ARE INSIDE DIAMETERS.
 - JACK HAMMERING OF THE MANHOLE WALLS WILL NOT BE ALLOWED. CONNECTIONS TO NEW MANHOLES SHALL BE ACCOMPLISHED USING MANHOLE ADAPTERS CAST INTEGRALLY WITH THE MANHOLE BASE.
 - CONTRACTOR TO VERIFY INVERTS OF EXISTING SEWER PIPE AND APPLICABILITY OF PROPOSED SEWER LINE SLOPES. CONTACT ENGINEER IF DISCREPANCY EXISTS.
 - INVERT ELEVATION OF "D" X 1' (300 MM) STUB AT THE INSIDE FACE OF MANHOLE TO BE 0.10' (30 MM) HIGHER THAN EXISTING OUTLET INVERT ELEVATION PER THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION STANDARD PLAN 208-2 2009 EDITION, SHEET 2, NOTE 1.

- ### SHEET KEYNOTES
- CONSTRUCT NEW 14" DR 17 HDPE SEWER PIPE USING TRENCHING. TRENCH PER DETAIL C ON SHEET SS-501. CONTRACTOR TO VERIFY AND MATCH EXISTING INVERTS OR NEW INVERTS SHOWN ON PROFILES.
 - RECONNECT EXISTING 12" VCP SEWER MAIN PER DETAIL F ON SHEET SS-501.
 - RECONNECT EXISTING 12" VCP SEWER MAIN PER DETAIL G ON SHEET SS-501.
 - EXISTING SEWER MANHOLE TO REMAIN. GROUT PLUG AND ABANDON EXISTING 12" VCP SEWER MAIN PER DETAIL H ON SHEET SS-501.
 - CONSTRUCT NEW 48" SEWER MANHOLE PER DETAIL A ON SHEET SS-501.

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



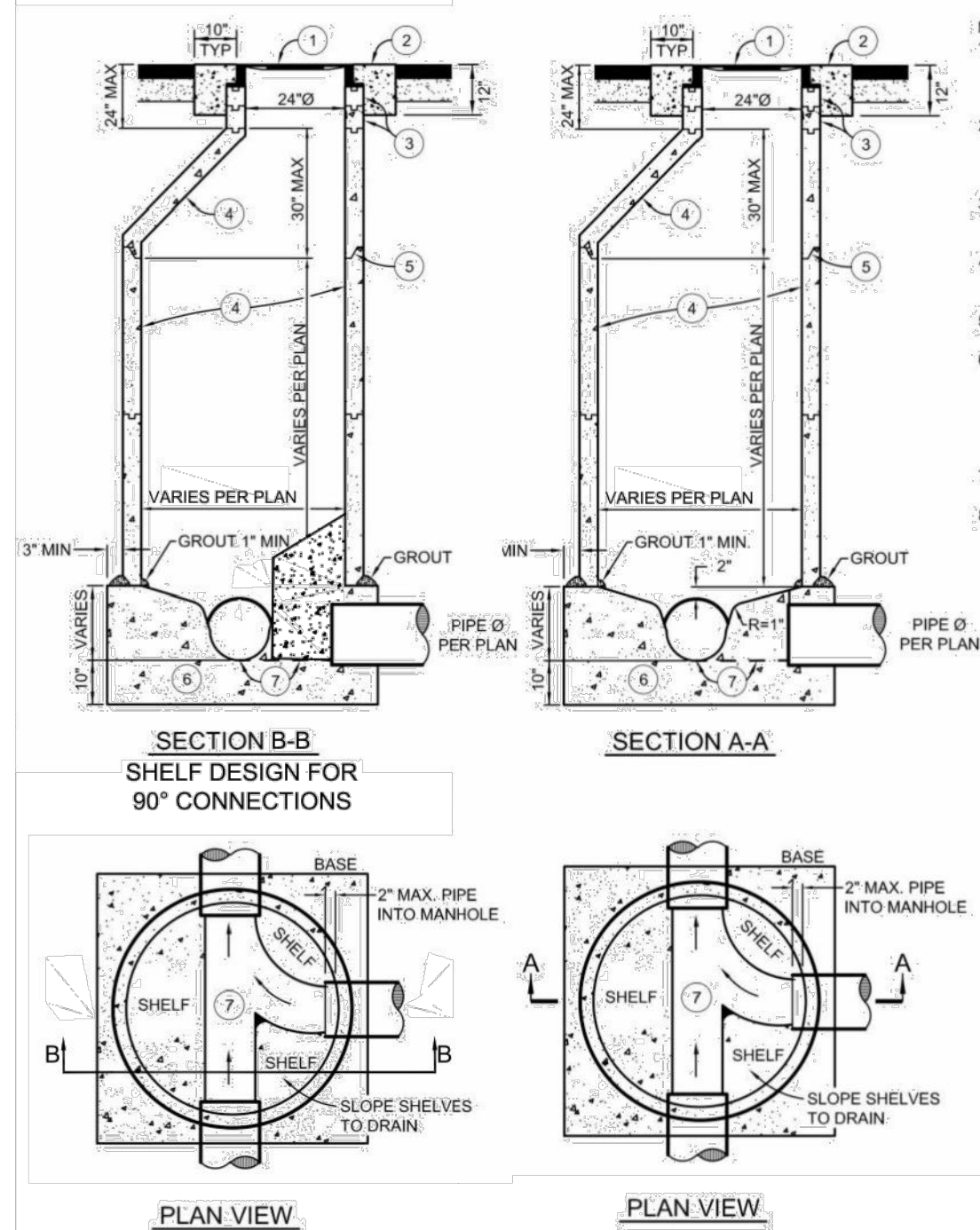
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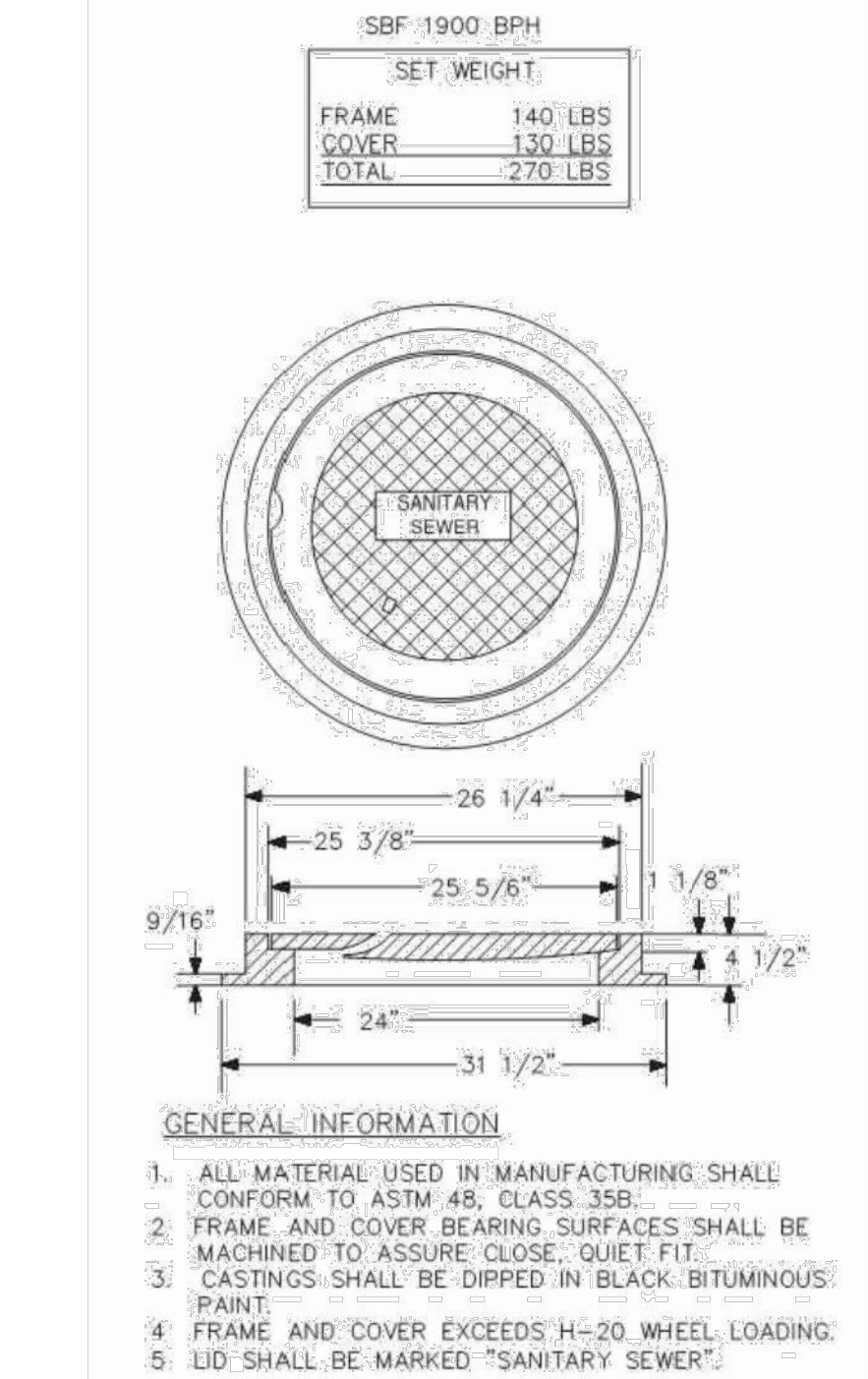
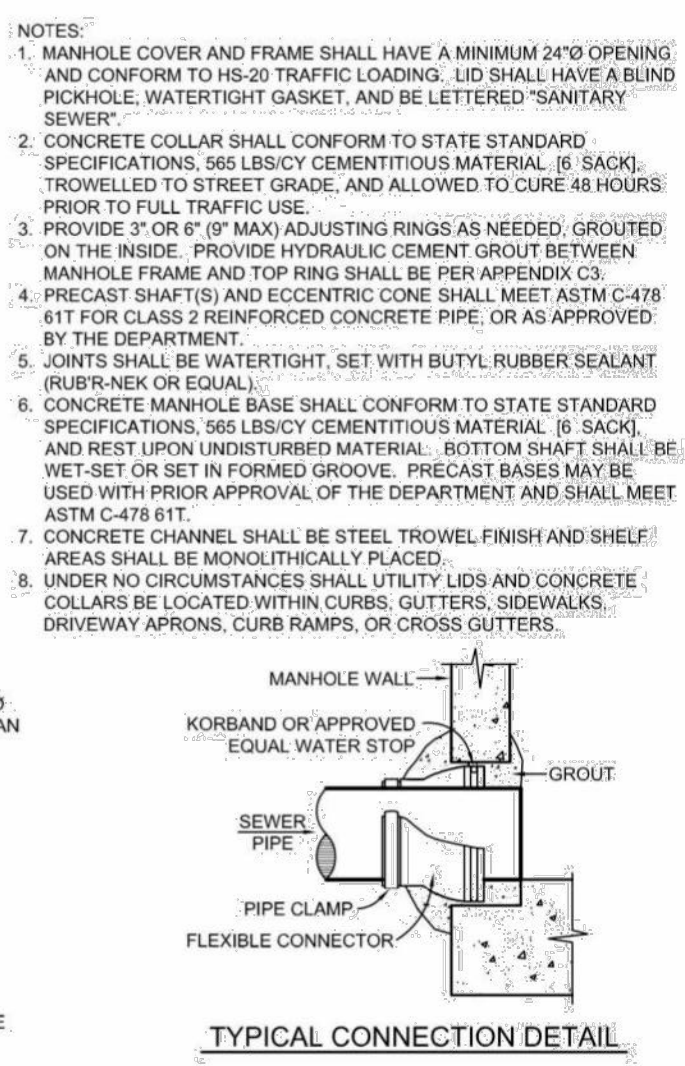


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

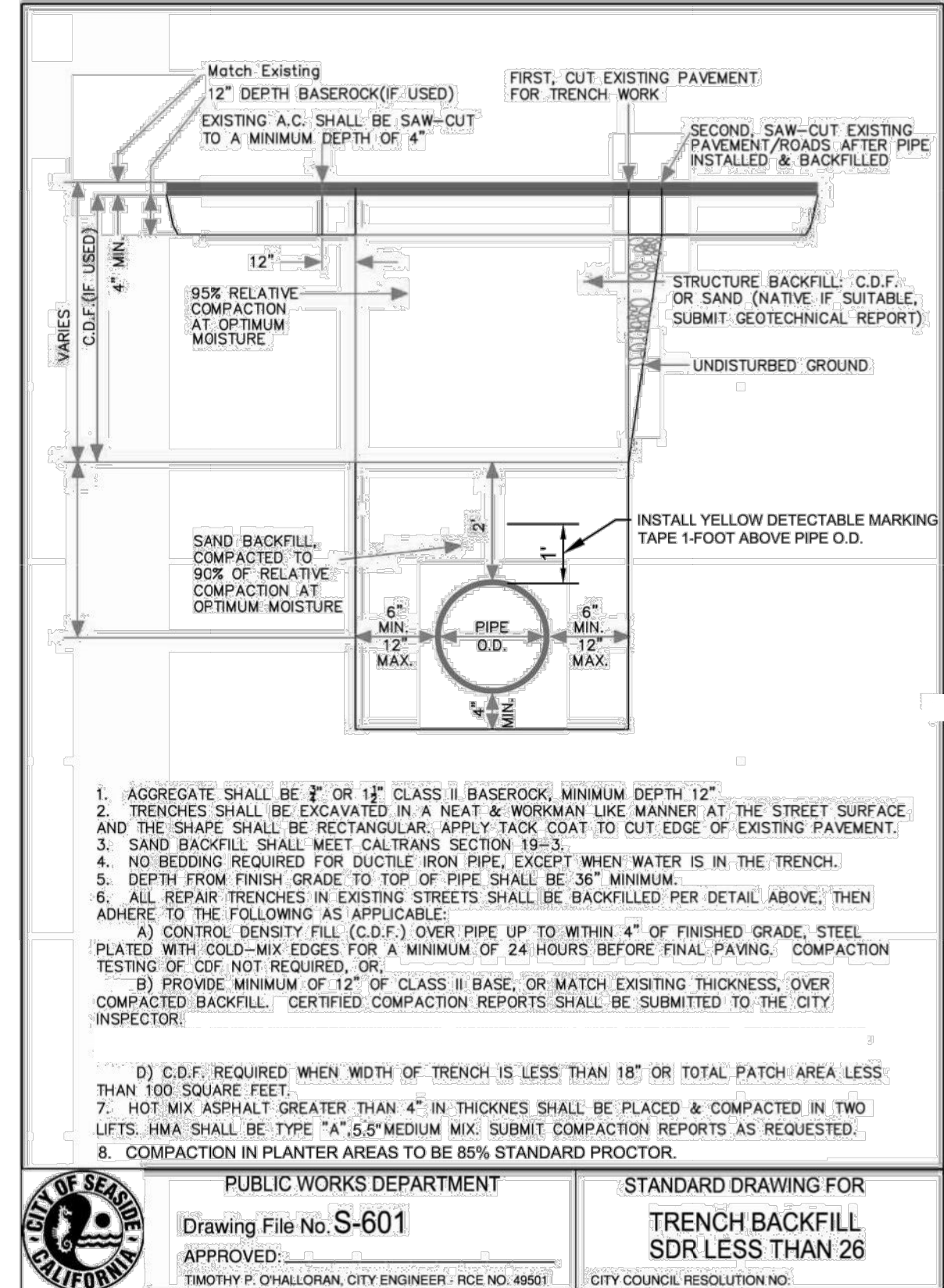
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Size	ANSI D
Status Code	
Sheet No.	SS-101
Sheet	83 of 195



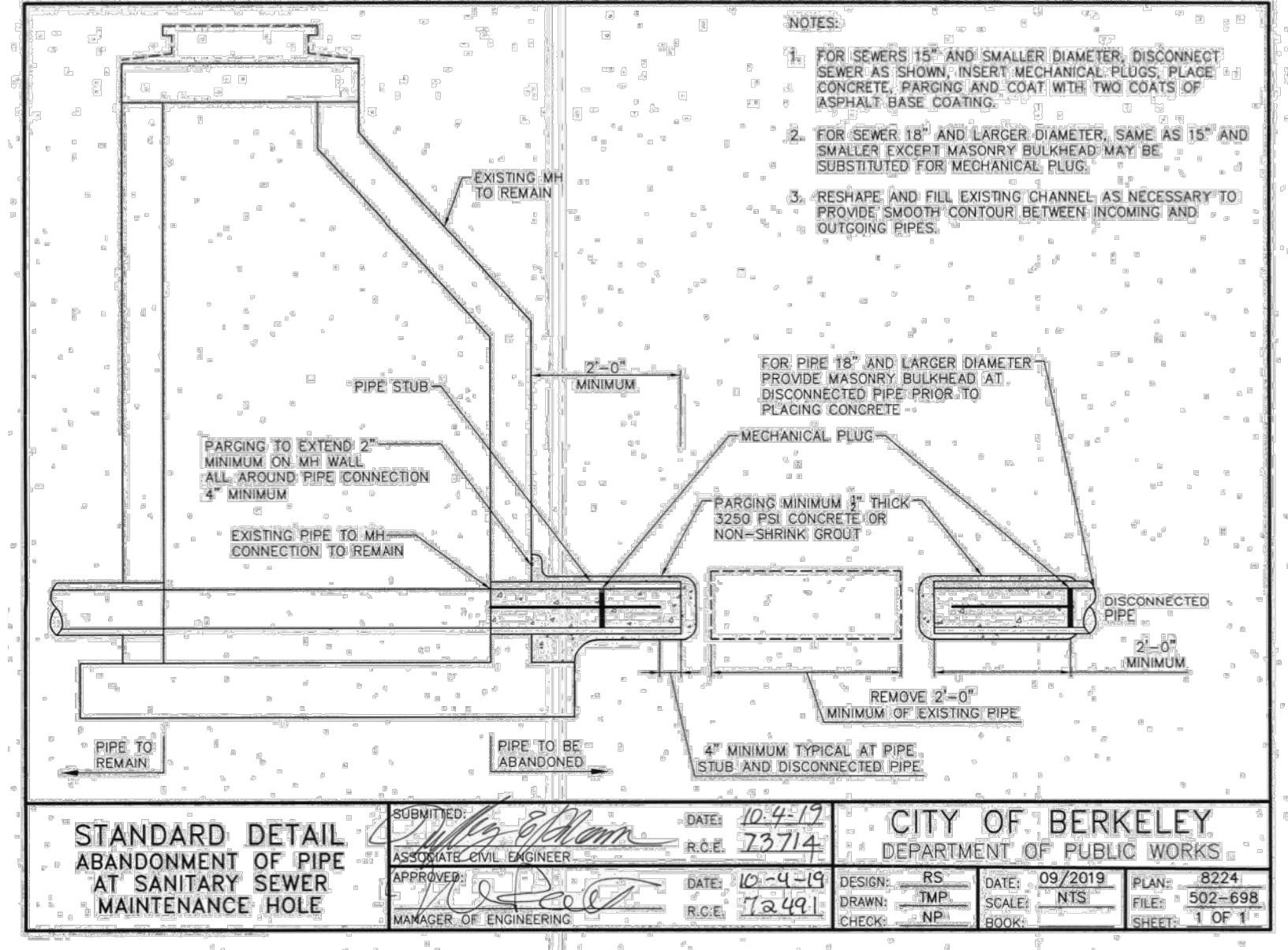
A SEWER MANHOLE DETAIL
NTS



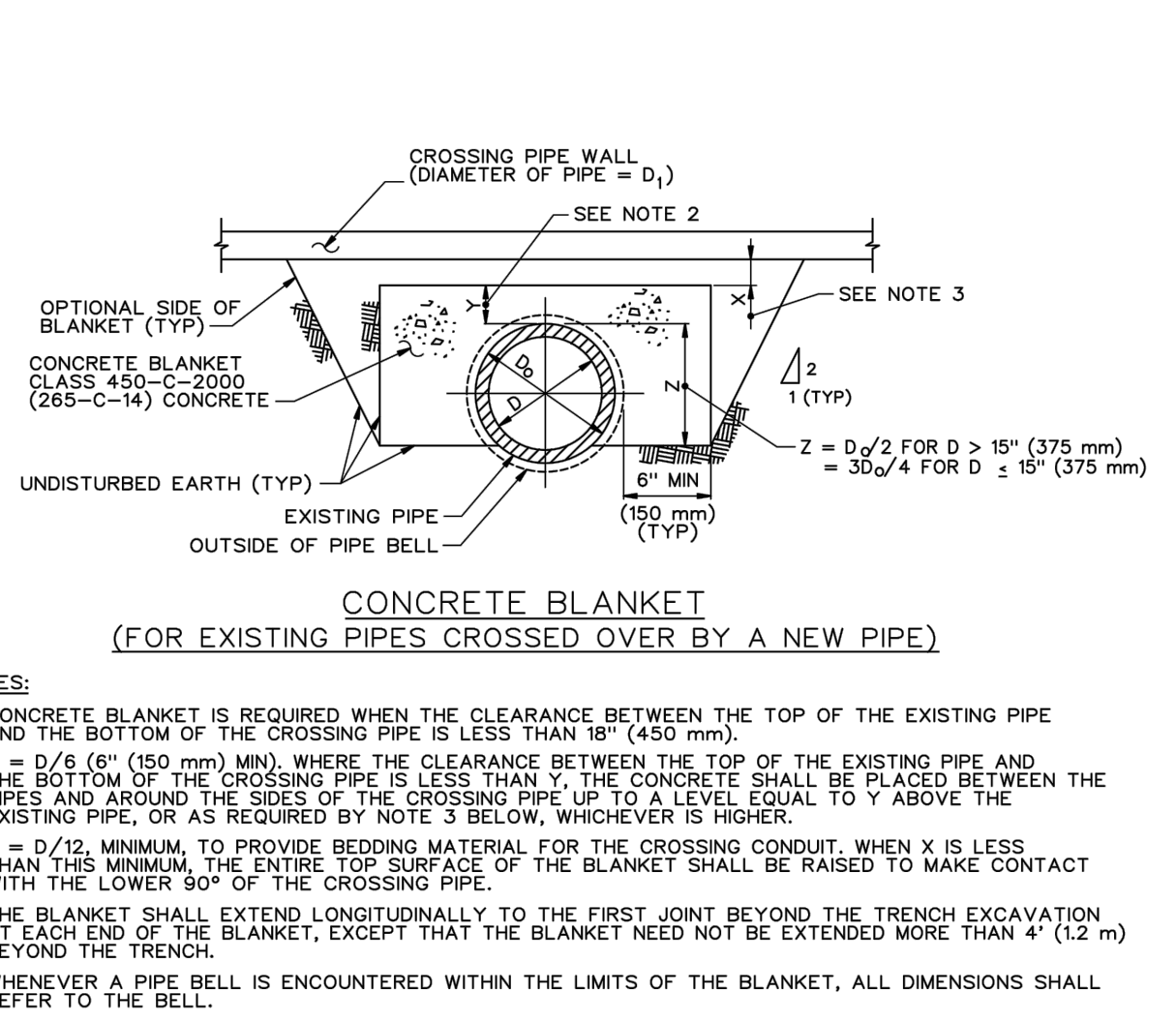
B MANHOLE FRAME AND COVER DETAIL
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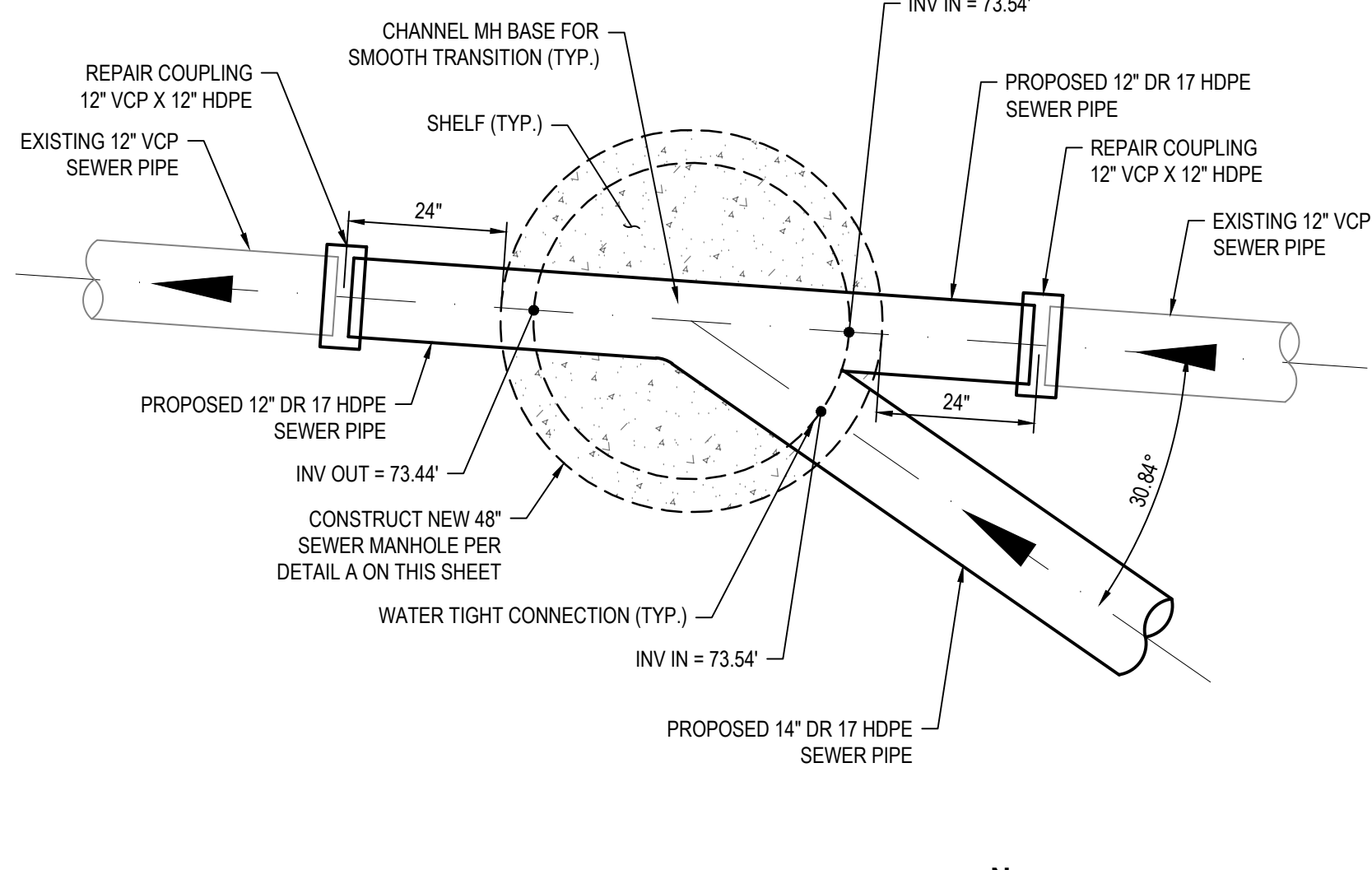
C TRENCH DETAIL
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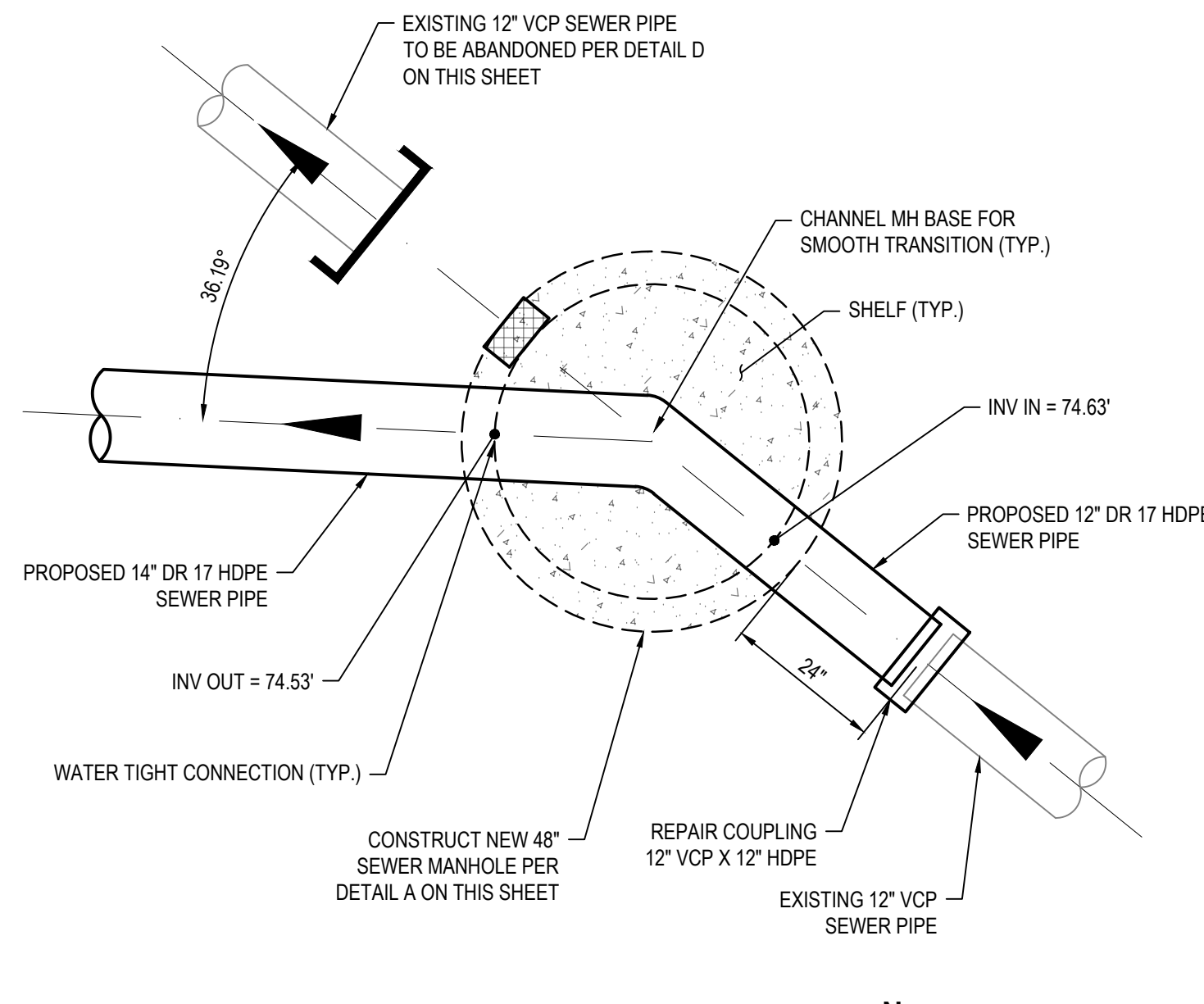
D ABANDONED PIPE DETAIL
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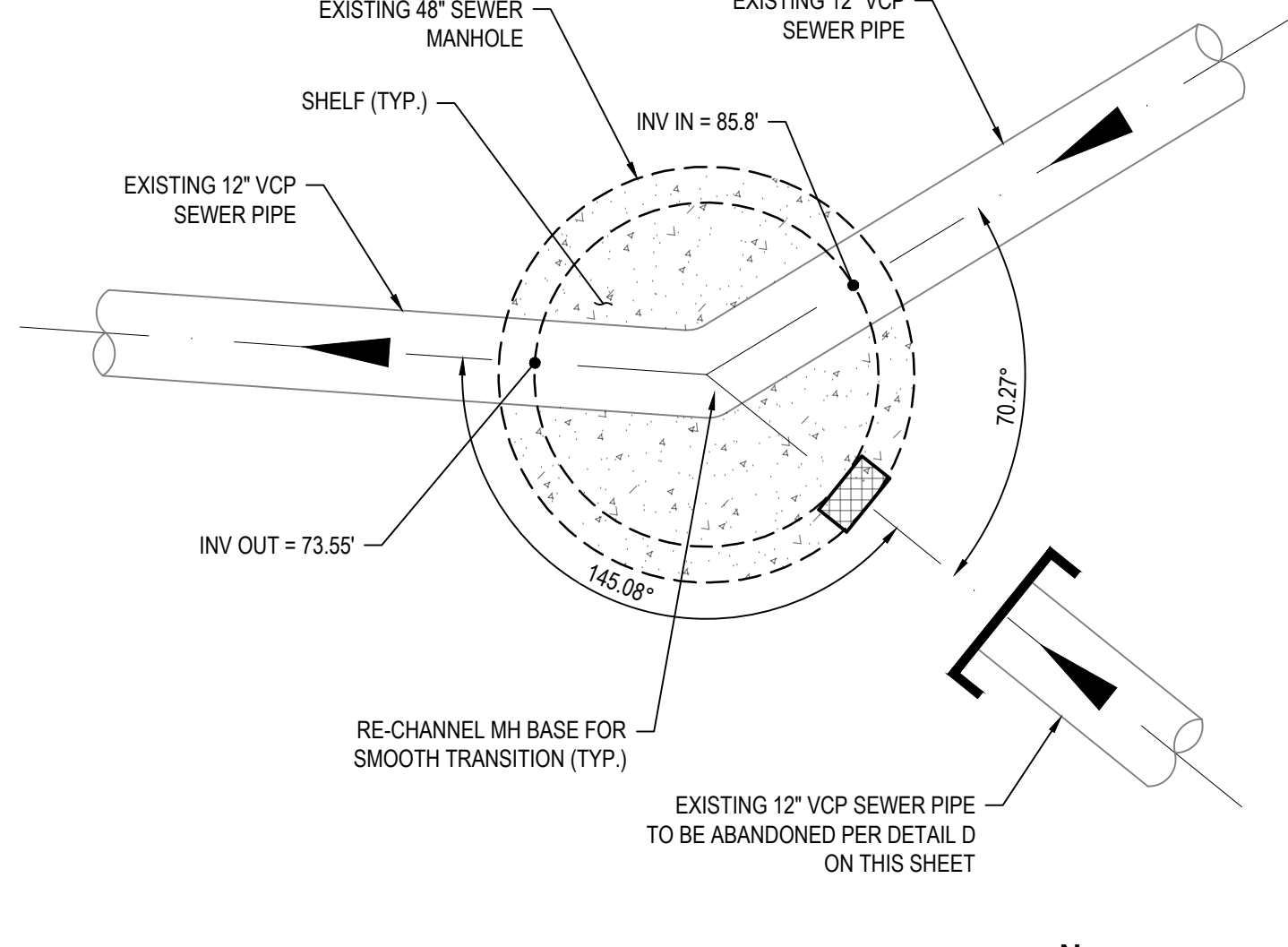
E CONCRETE BLANKET DETAIL
NTS



F NEW MANHOLE STA 10+00.00
NTS



G NEW MANHOLE STA 11+86.94
NTS



H EXISTING MANHOLE MODIFICATION
NTS

No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
		Designer	CO	Design Check	SG	Project Manager	L. VAN PARYS	
						Project Director	K. VEDULA	



Bar is one inch on original size sheet



Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SANITARY SEWER DETAILS
Sheet No.	SS-501
Sheet	84 of 195

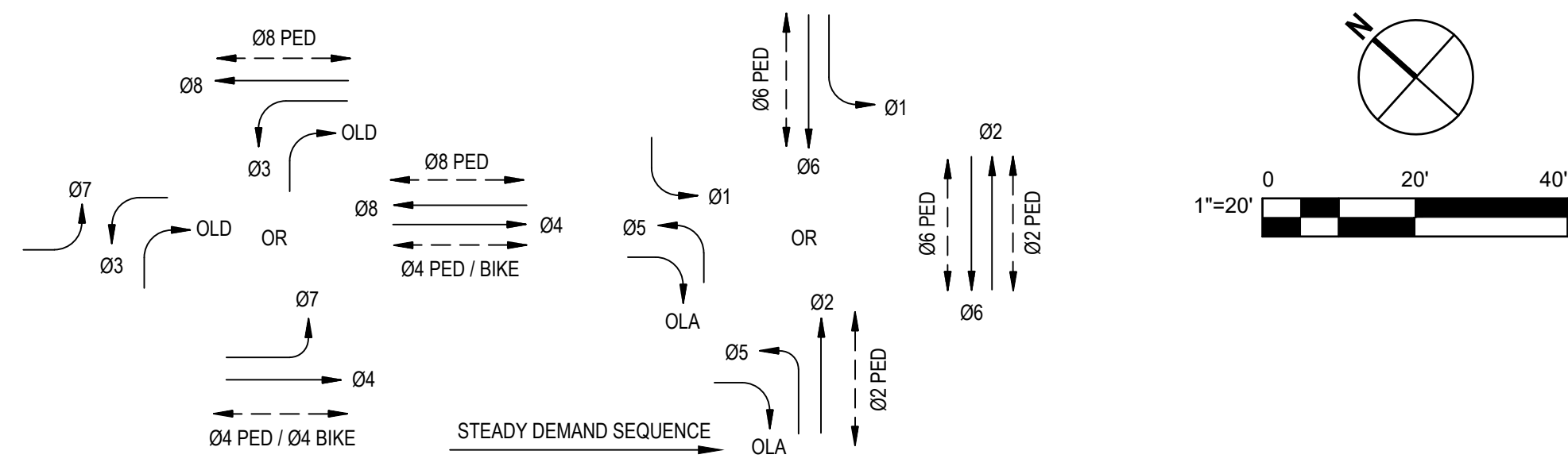
SHEET GENERAL NOTES (THIS SHEET ONLY)

- ALL WORK SHALL CONFORM TO STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATION SHEETS.
- THE CONTRACTOR SHALL CONTACT THE RESIDENT ENGINEER 48 HOURS IN ADVANCE TO MARK THE LOCATIONS FOR THE PROPOSED POLE FOUNDATIONS. WHERE PROPOSED FOUNDATIONS ARE NEAR EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL POthOLE TO LOCATE THE EXISTING UTILITY SUBSTRUCTURES.
- CONTRACTOR SHALL CALL "UNDERGROUND ALERT" A MINIMUM OF 48 HOURS PRIOR TO COMMENCING ANY EXCAVATION. FOR UNDERGROUND LOCATION CALL 811. POLE ORDER AND SUBMITTAL SHALL BE PREPARED ONLY AFTER ALL UTILITY CONFLICTS HAVE BEEN VERIFIED IN THE FIELD BY THE RESIDENT ENGINEER.
- AN APPROVED SET OF PLANS SHALL BE ON THE JOB SITE DURING CONSTRUCTION.
- LOCATION OF CONTROLLER, SERVICE EQUIPMENT, STANDARDS, CONDUITS, PULL BOXES AND OTHER EQUIPMENT SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- CONDUIT SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 40, SMOOTH WALL, AS MANUFACTURED BY DURALINE OR APPROVED EQUAL. RIGID STEEL CONDUIT SHALL BE INSTALLED BETWEEN FOUNDATION AND NEAREST CURB BOX.
- THE CONTRACTOR SHALL CONTACT THE CITY OF SEASIDE AND CALTRANS 3 DAYS PRIOR TO THE ANTICIPATED TRAFFIC SIGNAL TURN ON.
- CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL. TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LAST EDITION OF THE CALIFORNIA MUTCD.
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL 12 CONDUCTOR CABLES SHALL BE WITHOUT SPLICES FROM CONTROLLER CABINET TO TERMINAL BLOCK AT SIGNAL POLE. ALL CONDUCTOR CABLES AND CONDUIT RUNS ARE TO BE FIELD FIT AS NEEDED TO AVOID ANY CONFLICT WITH UTILITIES.
- ALL VEHICLE SIGNALS, INCLUDING ARROWS, SHALL BE LIGHT EMITTING DIODE (LED) FURNISHED BY CONTRACTOR (12" DIA. LENS).
- ALL PULL BOXES ARE NO. 5 UNLESS OTHERWISE NOTED.
- ANY EQUIPMENT OR MATERIAL THAT IS ABANDONED IN PLACE SHALL BE REMOVED WHEN IN CONFLICT.
- ALL BACKPLATES MUST HAVE REFLECTIVE BORDER.
- ALL PEDESTRIAN PUSHBUTTON ASSEMBLIES SHALL BE APS.
- ALL PEDESTRIAN SIGNALS SHALL HAVE LED COUNTDOWN PEDESTRIAN SIGNAL INDICATIONS.
- GHD SHALL NOT BE RESPONSIBLE FOR OR LIABLE FOR ANY UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS SHALL BE IN WRITING.

CONSTRUCTION NOTES (THIS SHEET ONLY)

- EXISTING 120/240 TYPE III-BF SERVICE EQUIPMENT ENCLOSURE TO REMAIN WITH 3-WIRE, SINGLE PHASE, 100A MAIN CB, WITH CIRCUIT AS SHOWN:

No.	AMPERES	VOLTS	POLES	LOAD	METER	PHOTOELECTRIC CONTROL TYPE	SPECIAL REQUIREMENTS
1	50A	120	1	TRAFFIC SIGNAL	YES	-	EXISTING
2	30	240	2	HIGHWAY LIGHTING	NO	TYPE II PEC	EXISTING
3	15	120	1	SPARE	NO	-	EXISTING
- EXISTING CONTROLLER CABINET WITH 2070 CONTROLLER.
- EXISTING DETECTOR LOOPS.
- 04 PEDESTRIAN AND BIKE PUSHBUTTONS SHALL SHARE SAME INPUT FILE, FOR SIGNAL ACTUATION. BUTTONS WIRED IN PARALLEL.
- REMOVE AND REPLACE EXISTING PEDESTRIAN SIGNAL INDICATIONS WITH PEDESTRIAN COUNTDOWN SIGNAL INDICATIONS.
- REMOVE AND REPLACE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SYSTEM (APS).
- FURNISH AND INSTALL 5-SECTION RIGHT-TURN OVERLAP SIGNAL HEAD, SEE DETAIL B.
- REMOVE AND SALVAGE EXISTING SIGNAL, FURNISH AND INSTALL 5-SECTION RIGHT-TURN SIGNAL HEAD, SEE DETAIL B.
- ALL SIGNAL BACKPLATES SHALL HAVE REFLECTIVE BORDER. WHERE EXISTING BACKPLATE IS MISSING OR DAMAGED, CONTRACTOR SHALL REPLACE.
- INSTALL NO RIGHT TURN, ACTIVATED BLANK-OUT SIGN (R3-1). SIGN SHALL BE MOUNTED BELOW SIGNAL ON 1-A POLES AND ABOVE SIGNAL ON MAST-ARM POLES.

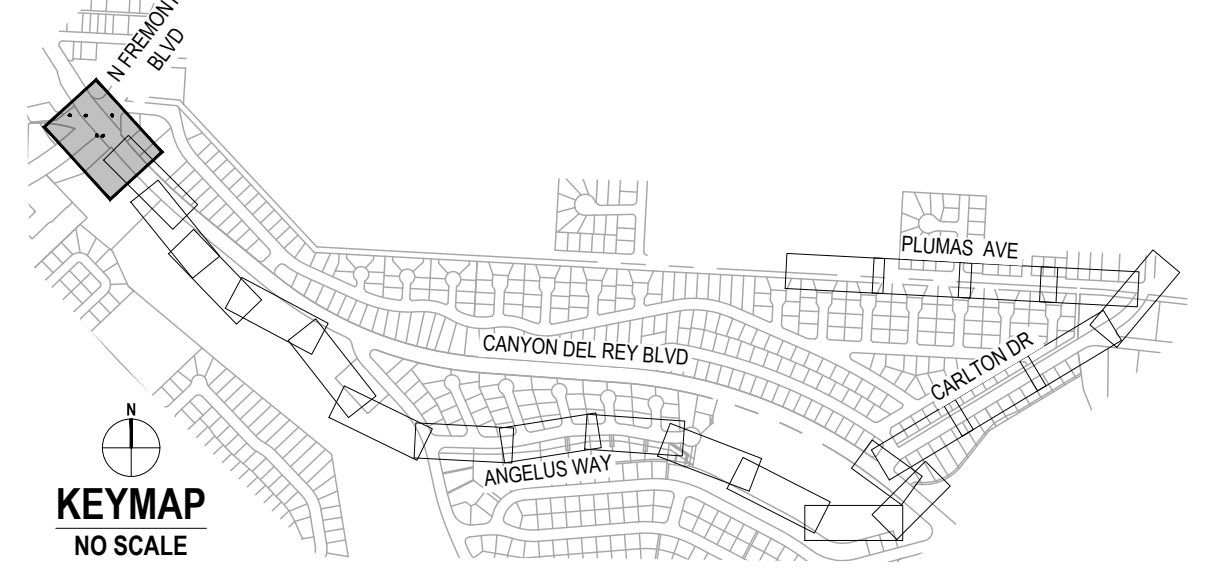
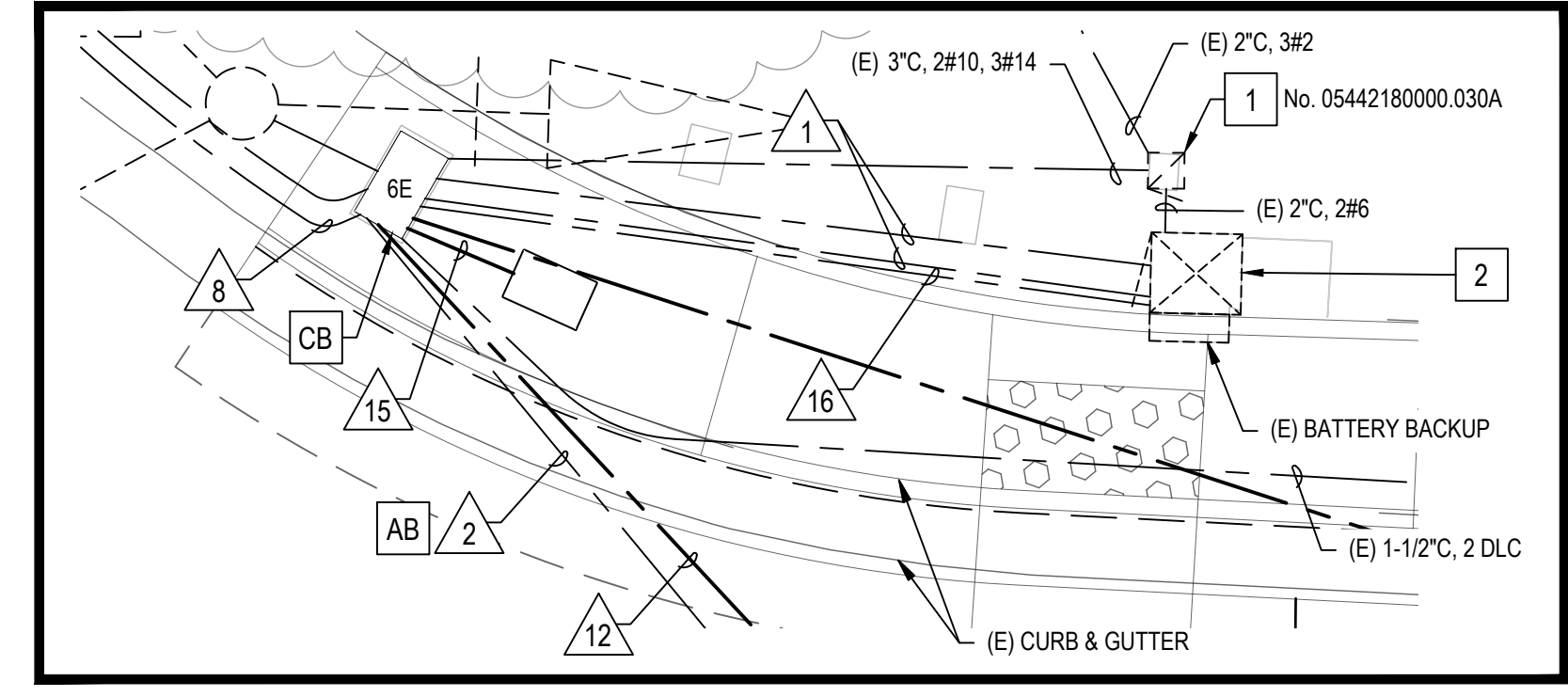
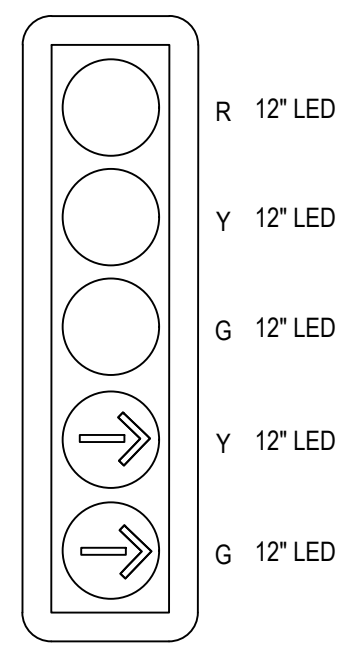
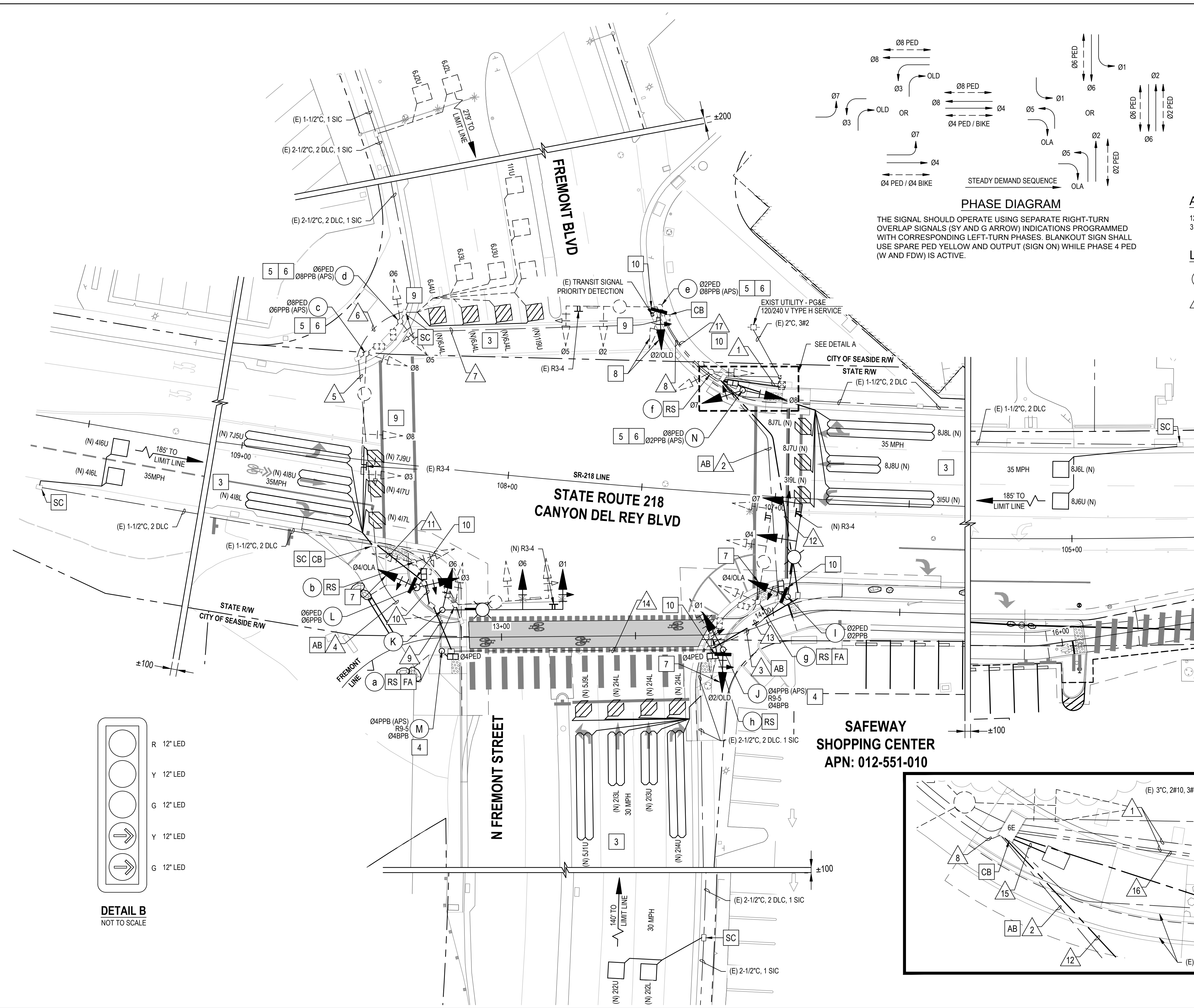
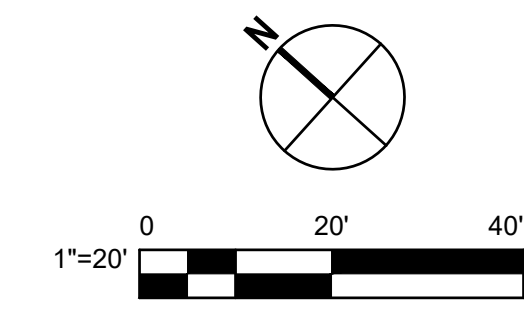


ABBREVIATIONS

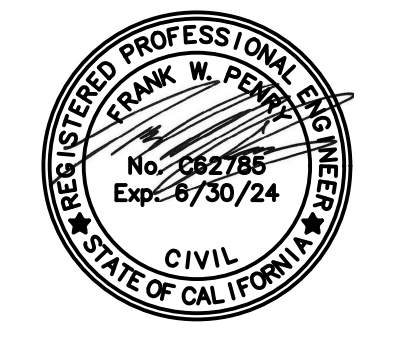
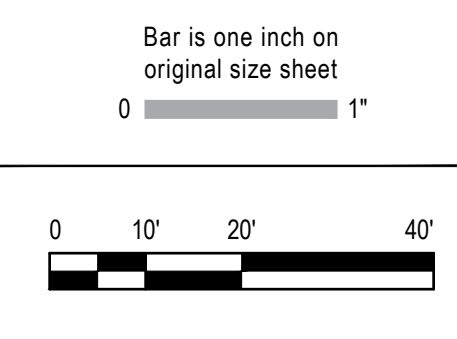
- 12 CSC 12 CONDUCTOR SIGNAL CABLE
- 3 CSC 3 CONDUCTOR SIGNAL CABLE

LEGEND

- # SIGNAL AND LIGHTING STANDARDS PER POLE AND EQUIPMENT SCHEDULE
- # CONDUITS PER CONDUIT SCHEDULE
- (N) = NEW EQUIPMENT



No.	Issue	Author	Checked	Approved	Date
1	EM	EM	SG	L. VAN PARYS	
2	CO	CO	SG	K. VEDULA	



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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Date December 1, 2023	Scale AS SHOWN
Project FORTAG TRAIL PROJECT	Project No. 11220281	Sheet T-101

Title TRAFFIC SIGNAL MODIFICATION PLAN AT N FREMONT BLVD AND SR 218	Size ANSI D
Status Code	Sheet 85 of 195

POLE AND EQUIPMENT SCHEDULE											
	STANDARD			VEH SIG MTG			PED SIGNAL MTG	PPB		LED LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SIG M.A.	LUM M.A.	Ø	MAST	POLE		Ø	ARROW		
(a)	26A-3-70	35'	15'	1/6	MAS MAS	SV-1-T	SP-1-T	4	←	200 W	RS FA
(b)	1-A	-	-	4/3	-	TV-2-T	SP-1-T	6	→	-	RS
(c)	26A-3-70	45'	15'	3/8	MAS MAS	SV-1-T	SP-1-T	6 (N)	←	400W	REMOVE EXISTING PUSHBUTTON AND PEDESTRIAN SIGNAL INDICATION. INSTALL (N) APS AND (N) PEDESTRIAN COUNTDOWN SIGNAL INDICATION.
(d)	1-A	-	-	5/6	-	TV-2-T	SP-1-T	8 (N)	→	-	REMOVE EXISTING PUSHBUTTON AND PEDESTRIAN SIGNAL INDICATION. INSTALL (N) APS AND (N) PEDESTRIAN COUNTDOWN SIGNAL INDICATION.
(e)	24A-D-70	35'	15'	5/2 OLD	MAS MAS	SV-1-T (N)	SP-1-T (N)	8 (N)	←	400W	REMOVE EXISTING PUSHBUTTON AND PEDESTRIAN SIGNAL INDICATION. INSTALL (N) APS AND (N) PEDESTRIAN COUNTDOWN SIGNAL INDICATION. R3-1 (ACTIVATED BLANK-OUT) SIGN
(f)	1-A	-	-	7/8	-	TV-2-T	SP-1-T	2	→	-	RS
(g)	24A-3-70	35'	15'	7/4	MAS MAS	SV-1-T	SP-1-T	2	←	200W	RS FA
(h)	1-A	-	-	1/2	-	TV-2-T	SP-1-T	4	→	-	RS
(i)	24A-4-100 (N)	35'	15'	7/4 OLA	MAS (N) MAS (N)	SV-2-T (N)	SP-1-T (N)	2 (N)	←	Rdwy12 (N)	F = 14', INSTALL R3-4 (NO U-TURN) SIGN ON MAST ARM AND G7-1 (STREET NAME SIGN) SIGN ON MAST ARM. R3-1 (ACTIVATED BLANK-OUT) SIGN.
(j)	1-A (N)	-	-	1/2 OLD	-	TV-2-T (N)	SP-1-T (N)	4 (N)	→	-	INSTALL R9-5 SIGN ON POLE. R3-1 (ACTIVATED BLANK-OUT) SIGN.
(k)	26A-4-100 (N)	45'	15'	1/6	MAS (N) MAS (N)	SV-1-T (N)	-	-	-	Rdwy12(N)	F = 15', INSTALL R3-4 (NO U-TURN) SIGN ON MAST ARM AND D3-1 (STREET NAME SIGN WITH SR 218 LOGO) SIGN ON MAST ARM.
(l)	1-A (N)	-	-	3/4 OLA	-	TV-2-T (N)	SP-1-T (N)	6 (N)	←	-	R3-1 (ACTIVATED BLANK-OUT) SIGN.
(m)	1-A (7) (N)	-	-	-	-	-	TP-1-T (N)	4 (N)	→	-	INSTALL R9-5 SIGN ON POLE.
(n)	1-A (N)	-	-	7/8	-	TV-2-T (N)	SP-1-T (N)	2 (N)	→	-	-

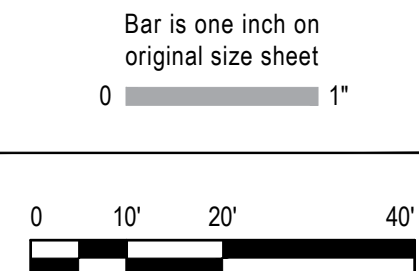
ALL POLES AND SIGNAL EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED:
(N) = NEW EQUIPMENT

CONDUCTOR SCHEDULE																						
CONDUCTOR DESIGNATION		NUMBER OF CONDUCTORS																				
CABLE TYPE	STANDARD	PHASE	RUN NUMBER																			
			1 2-3"	2 3-12"	3 3-12"	4 2"	5 3"	6 3"	7 4"	8 3"	9 4"	10 4"	11 4"	12 4"	13 4"	14 4"	15 2"	16 2-4"	17 4"			
VEH-PED-BIKE 12CSC	(c)	8.3,8P	6	1	1																	
	(d)	5.6,6P	8	1	1																	
	(e)	2.5,OLD,2P	8	1	1																	
	(l)	7.4,2P	2										1 (N)					1 (N)				
	(j)	1.2,2P	4										1 (N)	1 (N)				1 (N)				
	(k)	1.6											1 (N)	1 (N)	1 (N)			1 (N)				
	(l)	3.4,6P	6										1 (N)	1 (N)				1 (N)				
	(m)	4P	4										1 (N)	1 (N)	1 (N)			1 (N)				
	(n)	7.8,8P	2										1 (N)	1 (N)	1 (N)			1 (N)				
		TOTAL		3	3					1	2	3	3	1	2	3	2	1	3	3	1	6
OL 5CSC	(e)	OLD/BLANKOUT SIGN																	1 (N)	1 (N)		
	(l)	OLD/BLANKOUT SIGN												1 (N)						1 (N)		
	(j)	OLD/BLANKOUT SIGN												1 (N)	1 (N)					1 (N)		
	(l)	OLD/BLANKOUT SIGN														1 (N)			1 (N)	1 (N)		
AWG	CIRCUIT																					
#14	PHOTOELECTRIC																				3	
#10	LUMINAIRES									2	2	2		2 (N)	2 (N)	2 (N)				2 (N)	2	
TYPE B DLC	Ø1 DETECTORS		1+1(N)																		1+1(N)	
	Ø2 DETECTORS															7(N)	7(N)				7(N)	
	Ø3 DETECTORS		1+1(N)																			
	Ø4 DETECTORS		4+2(N)					4+2(N)	4+2(N)	4+2(N)											4+2(N)	
	Ø5 DETECTORS															2(N)	2(N)				2(N)	
	Ø6 DETECTORS		5+2(N)																		5+2(N)	
	Ø7 DETECTORS		1+1(N)					1+1(N)	1+1(N)	1+1(N)												1+1(N)
	Ø8 DETECTORS		4+2(N)																			
TOTAL DLCs PER RUN		16+9(N)						5+3(N)	5+3(N)	11+6(N)					9(N)	9(N)				9(N)	11+6(N)	
SIGNAL INTERCONNECT CABLE (SIC)		2								1					1	1						
APPROXIMATE PERCENT FILL		28%						9%	17%	22%	26%	5%	10%	17%	20%	13%	17%	19%	9%	14%		

(N) = NEW EQUIPMENT



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title	TRAFFIC SIGNAL SCHEDULES AT N FREMONT BLVD AND SR 218
Project	FORTAG TRAIL PROJECT	Project No.	11220281
Date	December 1, 2023	Scale	AS SHOWN

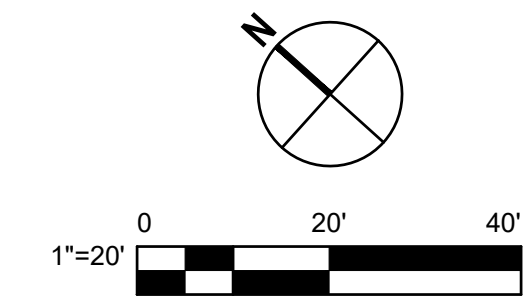
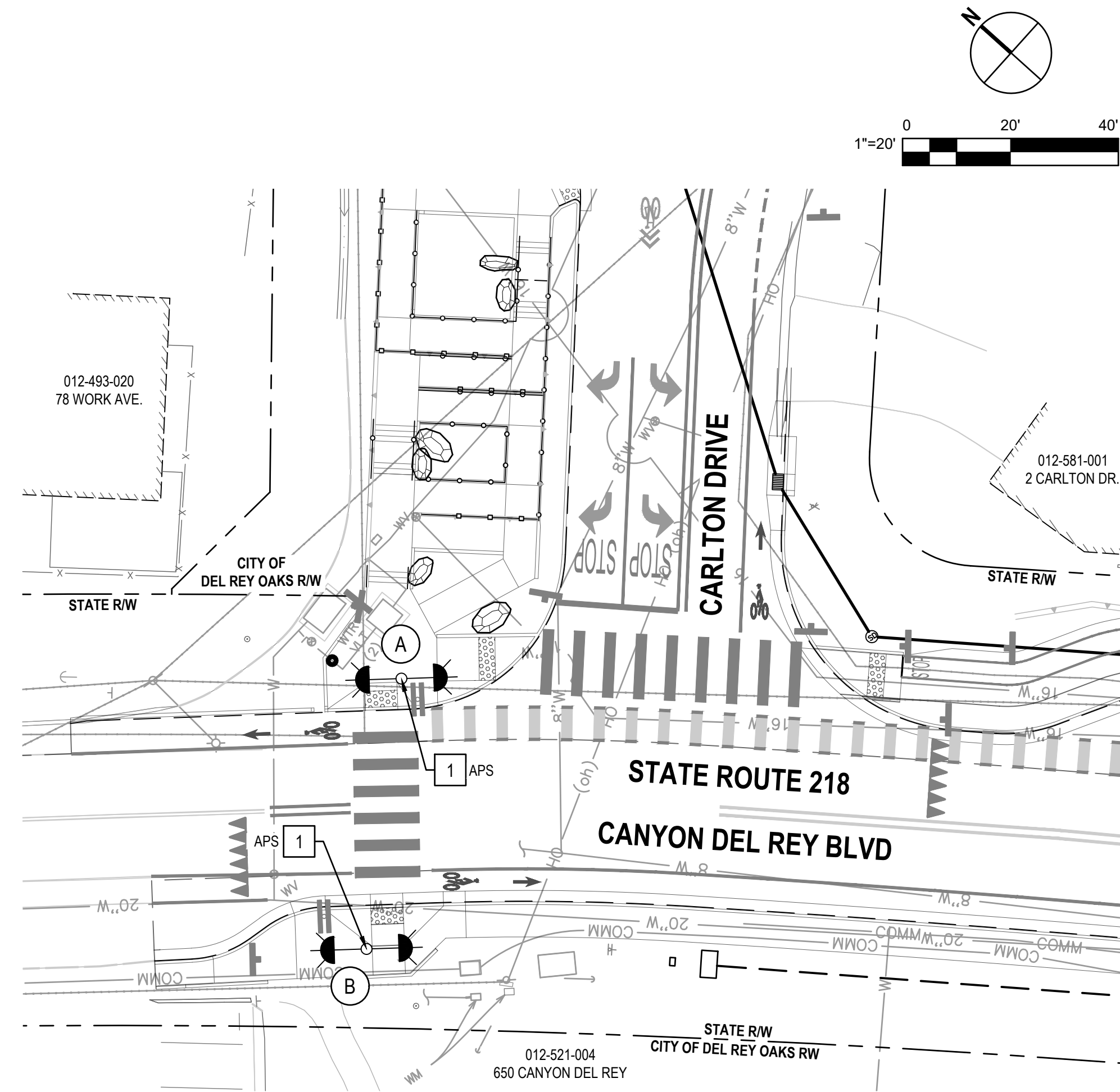
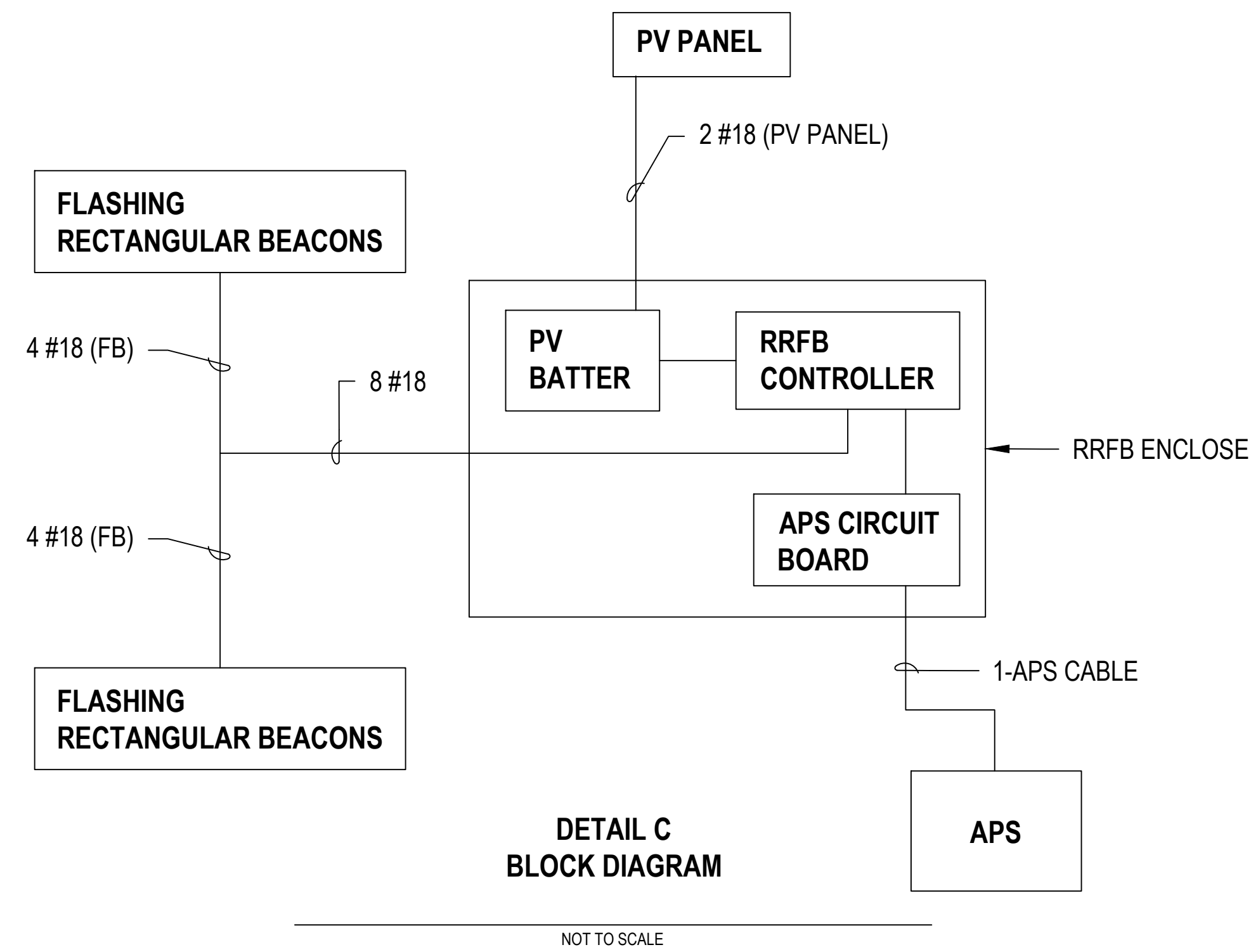
Size
ANSI D
Status Code
Sheet No.
T-102
Sheet
86 of 195

SHEET GENERAL NOTES (THIS SHEET ONLY)

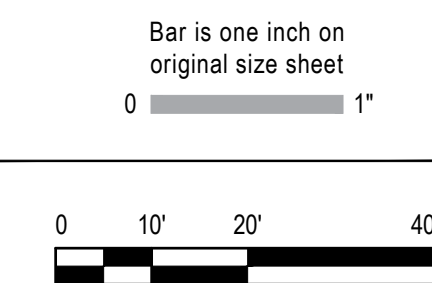
- SEE SHEET G-002 AND G-003 FOR ELECTRICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- SEE SHEET T-104 FOR DETAIL SES-1 TYPE 15-FBS MODIFIED-FLASHING BEACON POLE DETAILS.

CONSTRUCTION NOTES (THIS SHEET ONLY)

- FURNISH AND INSTALL TYPE 15-FBS MODIFIED-FLASHING BEACON, PER POLE DETAIL SES-1 (SHEET T-104). WIRING PER DETAIL C.



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title
**TRAFFIC SIGNAL RRFB PLAN AT
CARLTON DR AND SR 218**

Size
ANSI D

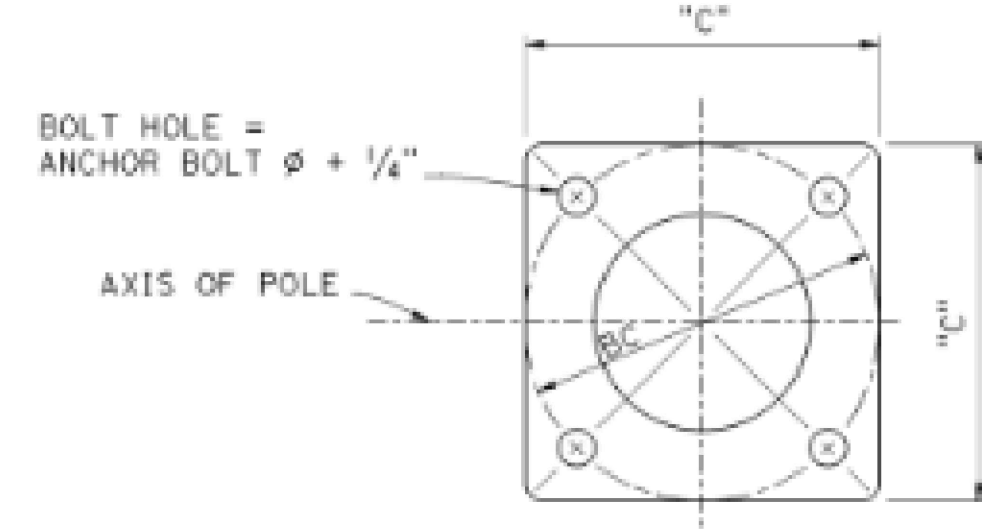
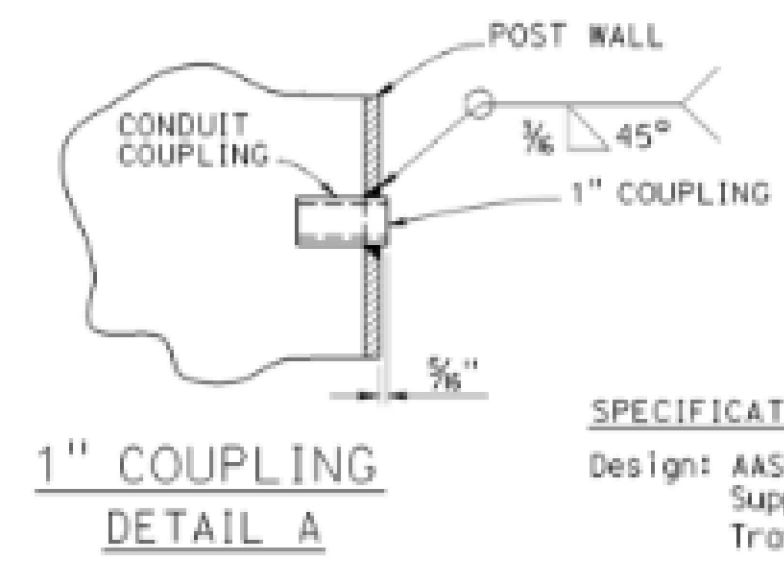
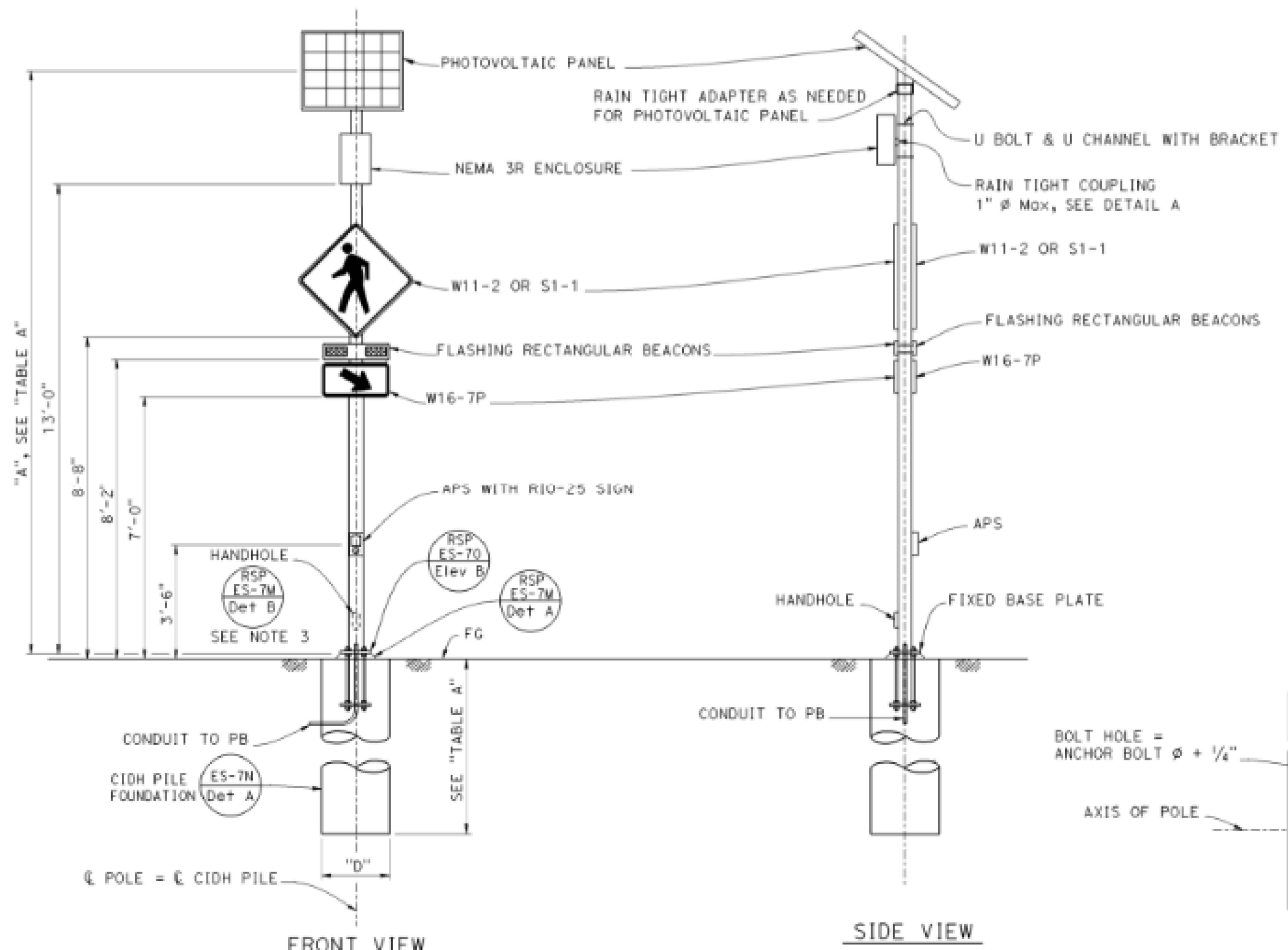
Status Code

Sheet No.
T-103 Sheet
87 of 195

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SCR	1, 5, 60, 129, 152, 163	Var	47	60

Registered Civil Engineer: **Matthew A. Licha**
 Date: 05/24/19
 No.: C62816
 Exp. 8/30/23
 CIVIL

PLANS APPROVAL DATE: 9-23-19
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- SPECIFICATIONS**
 Design: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Sixth Edition
- LOADING**
 Wind Loading: 100 MPH (3-sec gust)
- UNIT STRESSES**
 Structural Steel: $f_y = 55,000$ psi tapered steel tube
 $f_y = 50,000$ psi unless otherwise noted.
 Anchor bolts: $f_y = 55,000$ psi
 Reinforced Concrete: $f'_c = 3,600$ psi
 $f_y = 60,000$ psi
- NOTES:**
- For pole locations, see "ROADWAY PLANS".
 - All steel must be galvanized after fabrication.
 - Handhole must be located on the downstream side of traffic.
 - During pole erection the post must be raked as necessary with the use of leveling nuts to provide a plumb pole axis.
 - The foundation must be treated as level ground condition if the slope inclination is flatter than 4H:1V.
 - Foundation design is based on AASHTO LTS-6 article 13.6 Brans' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30 degrees and unit weight of soil used is 120 lbs/ft³.
 - All attachments unless otherwise noted, must be mounted to pole with stainless steel strips or other method without drilling holes in pole.
 - For details not shown, see "2018 STANDARD PLANS" and "2018 REVISED STANDARD PLANS".

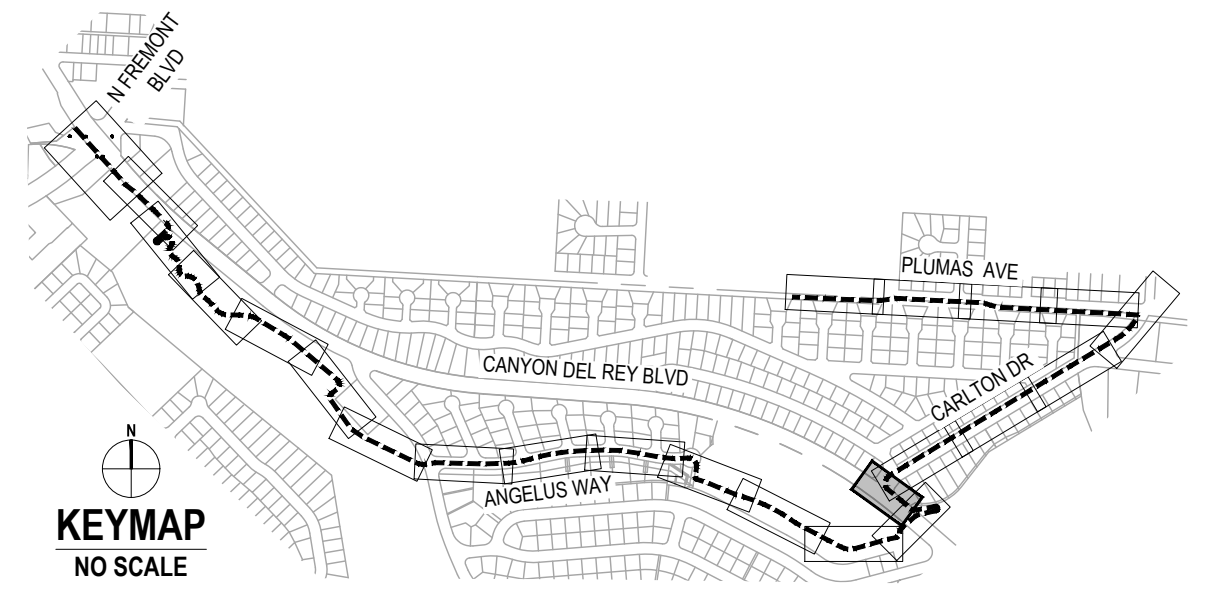
POLE TYPE	POLE DATA			BASE PLATE DATA					"D" 2'-6" Ø CIDH PILE	
	HEIGHT "A"	Min OD		WALL THICKNESS	"C"	THICKNESS	ANCHOR BOLTS		LEVEL GROUND	SLOPING GROUND
		BASE	TOP				SIZE	BC = BOLT CIRCLE		
15-FBS MODIFIED	18'-0"	8"	5 3/8"	0.1196"	1'-0"	1 1/2"	1" Ø x 3'-0"	1'-0"	7'-0"	9'-0"

ATTACHMENT	DIMENSIONS	MOUNTING HEIGHT	WEIGHT LIMITS (lbs)
PHOTOVOLTAIC PANEL	25"W X 20"L X 2.5"D Max	18'-0" Max BOTTOM Cir	20 Max
NEMA 3R ENCLOSURE	12"W X 24"L X 10"D Max	13'-0" Max BOTTOM Cir	50 Max
W11-2 OR S1-1	36" x 36"	8'-8" BOTTOM Cir	Std SIGN
FLASHING RECTANGULAR BEACONS	30"L x 3"D x 5"H	8'-2" BOTTOM Cir	5 Max
W16-7P	24"W x 12"H	7'-0" BOTTOM Cir	Std SIGN

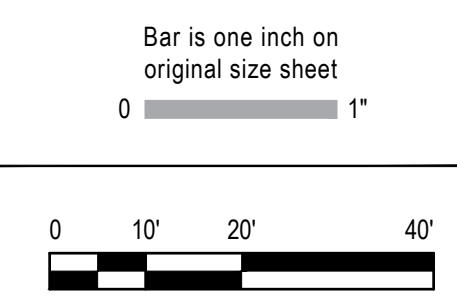
NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN BY: M. LICHA	CHECKED BY: M. LICHA	DATE PLOTTED => 23-JAN-2023	TIME PLOTTED => 10:11	ORIGINAL SCALE 1/4" = 1'-0"	BRIDGE NO. N/A	TYPE 15-FBS MODIFIED-FLASHING BEACON POLE DETAILS	SES-1
DETAILS BY: T. NGUYEN	CHECKED BY: M. LICHA	FILE => 05-1g7604_ses-1.dgn	USERNAME => a113705	REDUCED PLANS 0 1 2 3	POST MILE Var		
JEFF WOODY BRANCH CHIEF	QUANTITIES BY: M. LICHA	SPECIAL DESIGN BRANCH & BORDER SHEET (REVISION TABLE), 5/1/2019		UNIT: PROJECT NUMBER & PHASE: 05150001011	CONTRACT No.: 05-1G7604	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 1 OF 2

DETAIL B
 RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM WITH PEDESTRIAN PUSH BUTTON
 NOT TO SCALE



No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
		Designer	CO	Design Check	SG	Project Director	K. VEDULA	



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **CALTRANS DETAIL SES-1, TYPE 15-FBS MODIFIED-FLASHING BEACON POLE DETAILS**

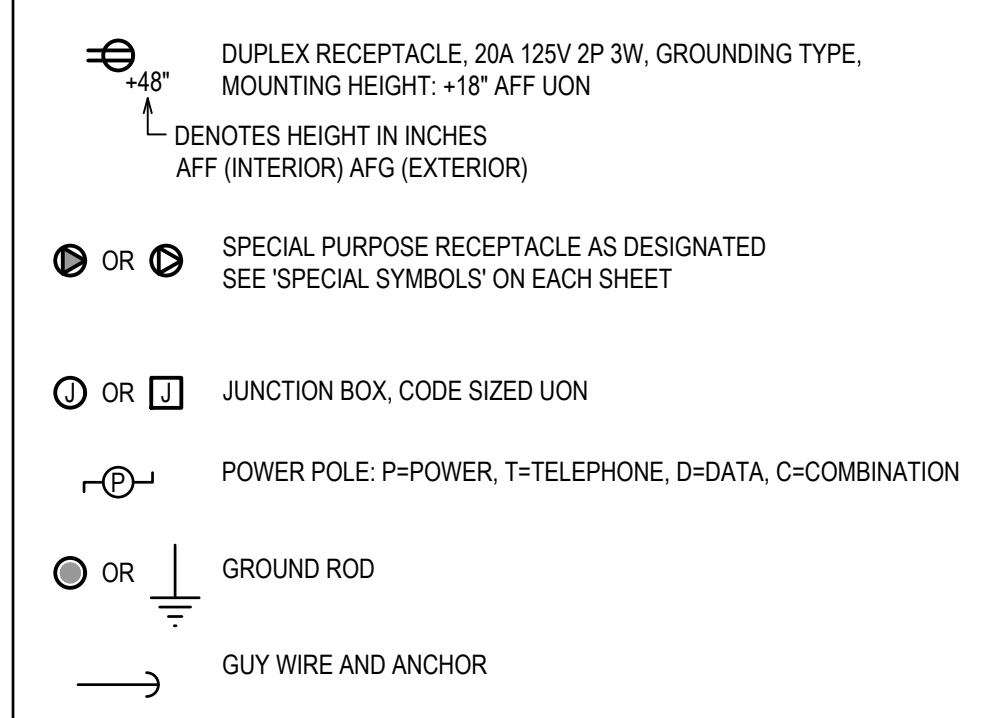
Size: ANSI D
 Status Code
 Sheet No. T-104
 Sheet 88 of 195

ABBREVIATIONS

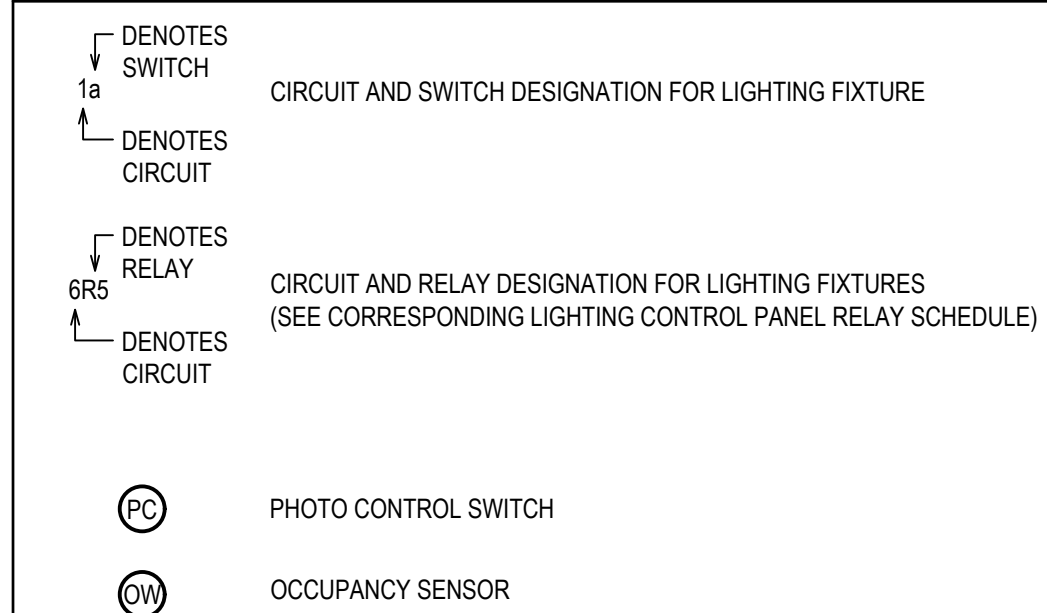
Table of abbreviations including DEMOLISH, EXISTING, FUTURE, NEW, AMPERES, ALTERNATING CURRENT, AMP FRAME, ABOVE FINISHED FLOOR, etc.

ELECTRICAL SYMBOLS LEGEND

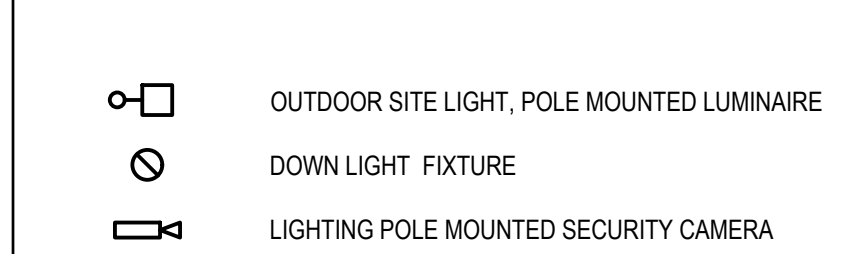
POWER



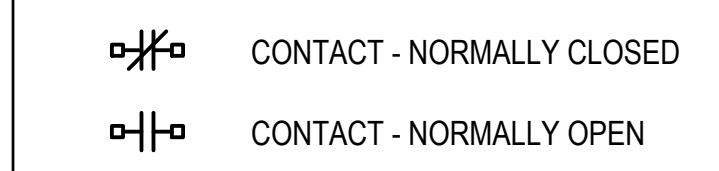
SWITCHING



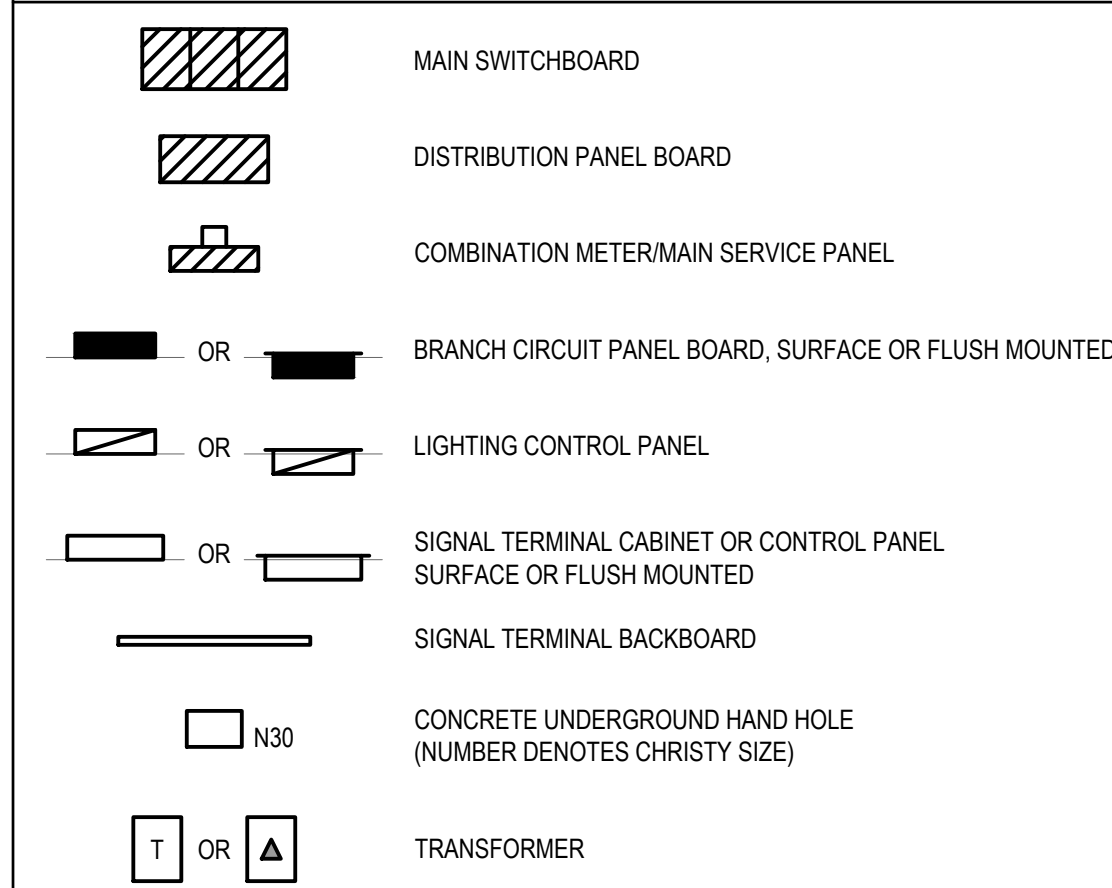
LIGHTING



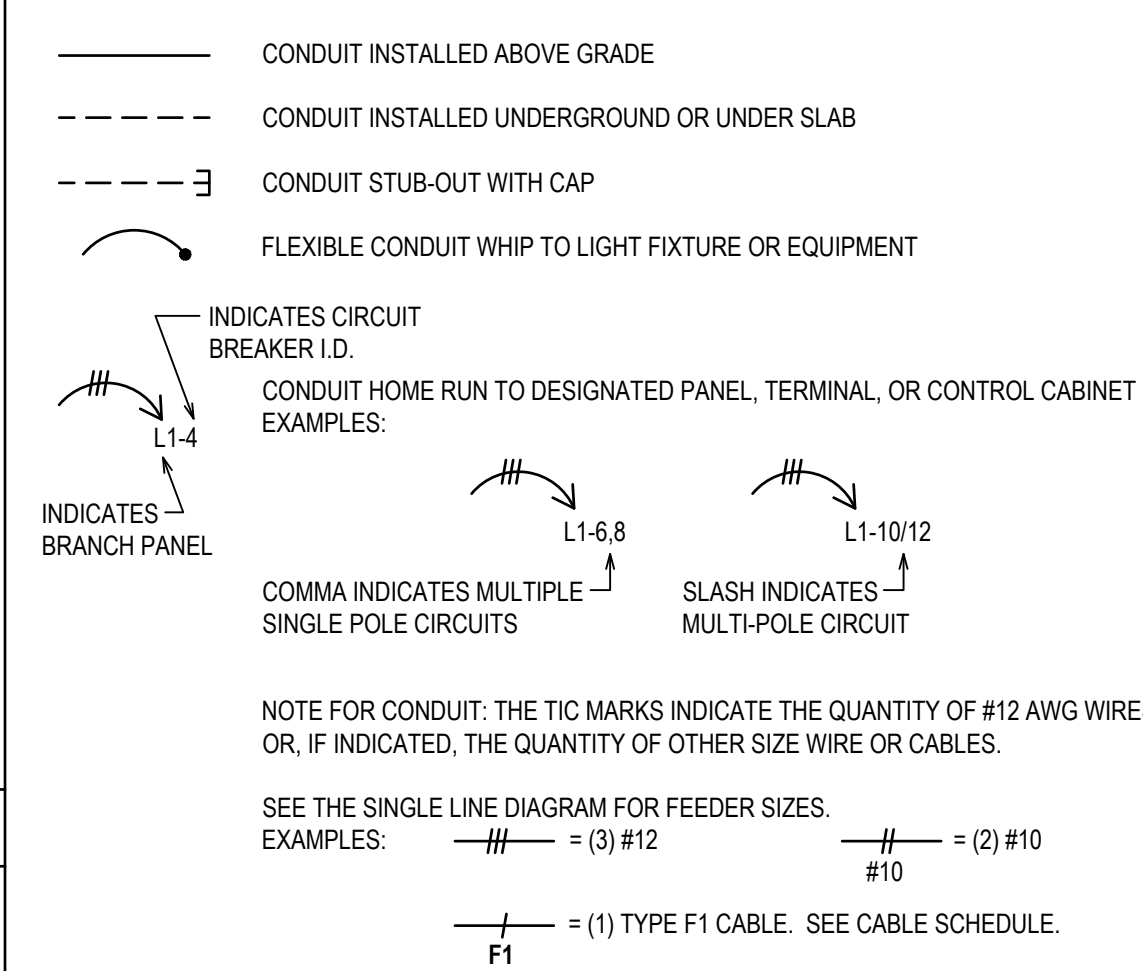
SCHEMATIC



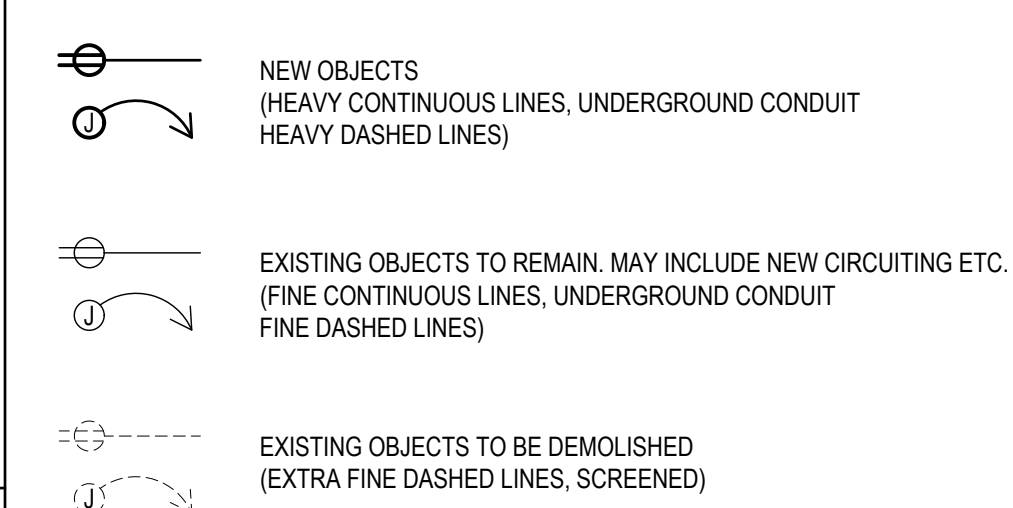
EQUIPMENT



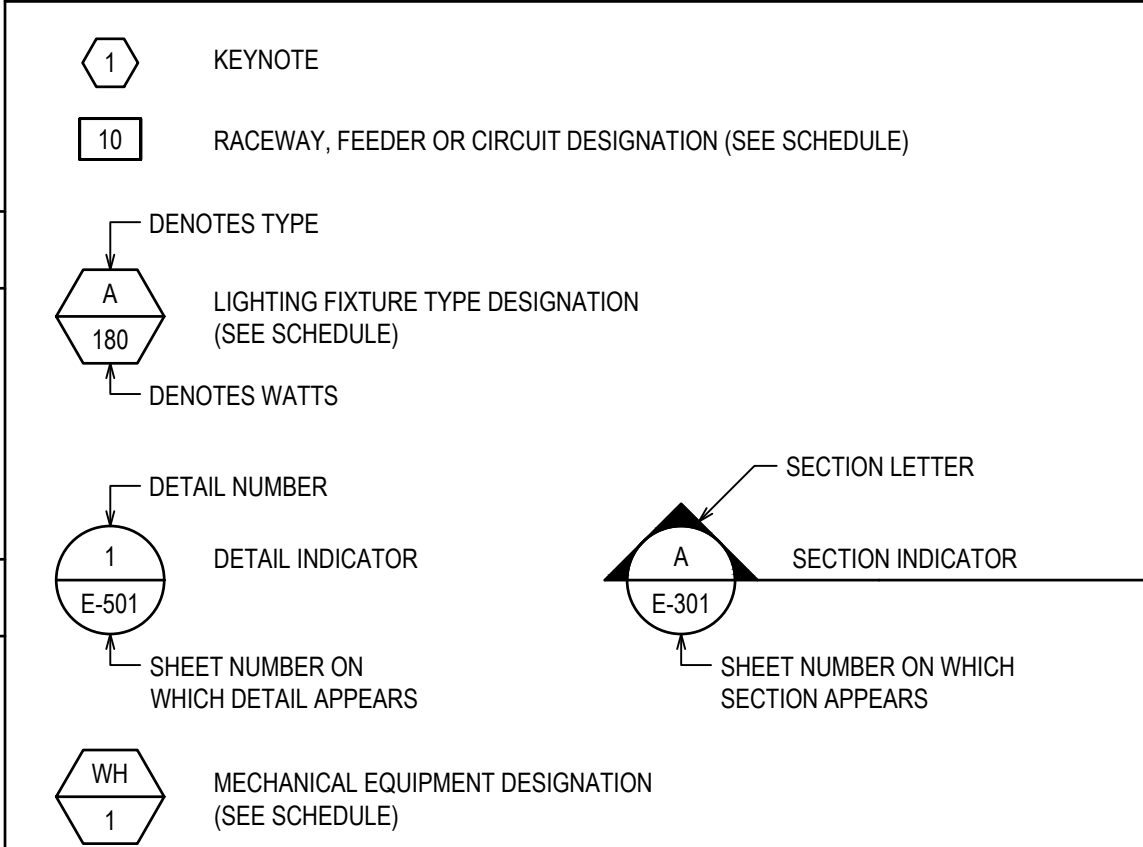
CONDUIT



OBJECT LINES



ANNOTATION



GENERAL ELECTRICAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED VERSION OF THE CALIFORNIA ELECTRICAL CODE (CEC) AND ALL RECOGNIZED CODES OF THE AUTHORITY HAVING JURISDICTION.
2. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED.
3. PRIOR TO COMMENCING WORK ON EXISTING SYSTEMS OR WHERE EXISTING SYSTEMS REQUIRE TEMPORARY SHUT DOWNS, COORDINATE WITH OWNERS REPRESENTATIVE.
4. ALL EQUIPMENT SHALL BE LISTED AND LABELED PER RECOGNIZED ELECTRICAL TESTING LABORATORY AND INSTALLED PER THE LISTING REQUIREMENTS AND THE MANUFACTURERS INSTRUCTIONS.
5. ALL EQUIPMENT SHALL BE GROUNDED PER THE REQUIREMENTS OF CEC ARTICLE 250. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL POWER SYSTEM RACEWAYS.
6. CONTRACTOR RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS PRIOR TO CONSTRUCTION. DRAWINGS INDICATE THE REQUIRED EQUIPMENT, DEVICES, FIXTURES, ETC. AND THEIR RELATED CIRCUITING REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE DEVICE LOCATIONS WITH ALL DISCIPLINES.
7. UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT INDICATED SHALL BE CONSIDERED NEW AND PROVIDED BY THE CONTRACTOR COMPLETE, INSTALLED, TESTED AND FUNCTIONING.
8. MAINTAIN AS BUILT CONDITIONS OF THE INSTALLATION DURING CONSTRUCTION AND SUBMIT THE FINAL CONSTRUCTED CONDITIONS TO THE OWNER/ARCHITECT FOR THEIR RECORDS.

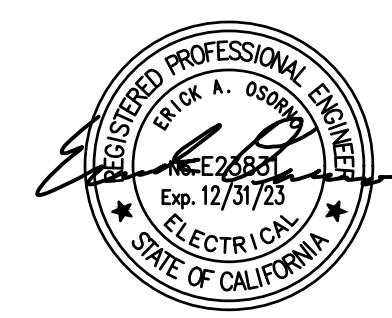
SHEET INDEX

Table with columns SHEET NUMBER and SHEET TITLE. Includes entries like E-001 ELECTRICAL SYMBOLS LEGEND ABBREVIATIONS AND GENERAL NOTES, E-002 LIGHTING OVERVIEW PLAN, E-101 LIGHTING PLAN 1, etc.

Revision table with columns No., Issue, Author, Designer, Drafting Check, Design Check, Checked, Approved, Project Manager, Project Director, Date.

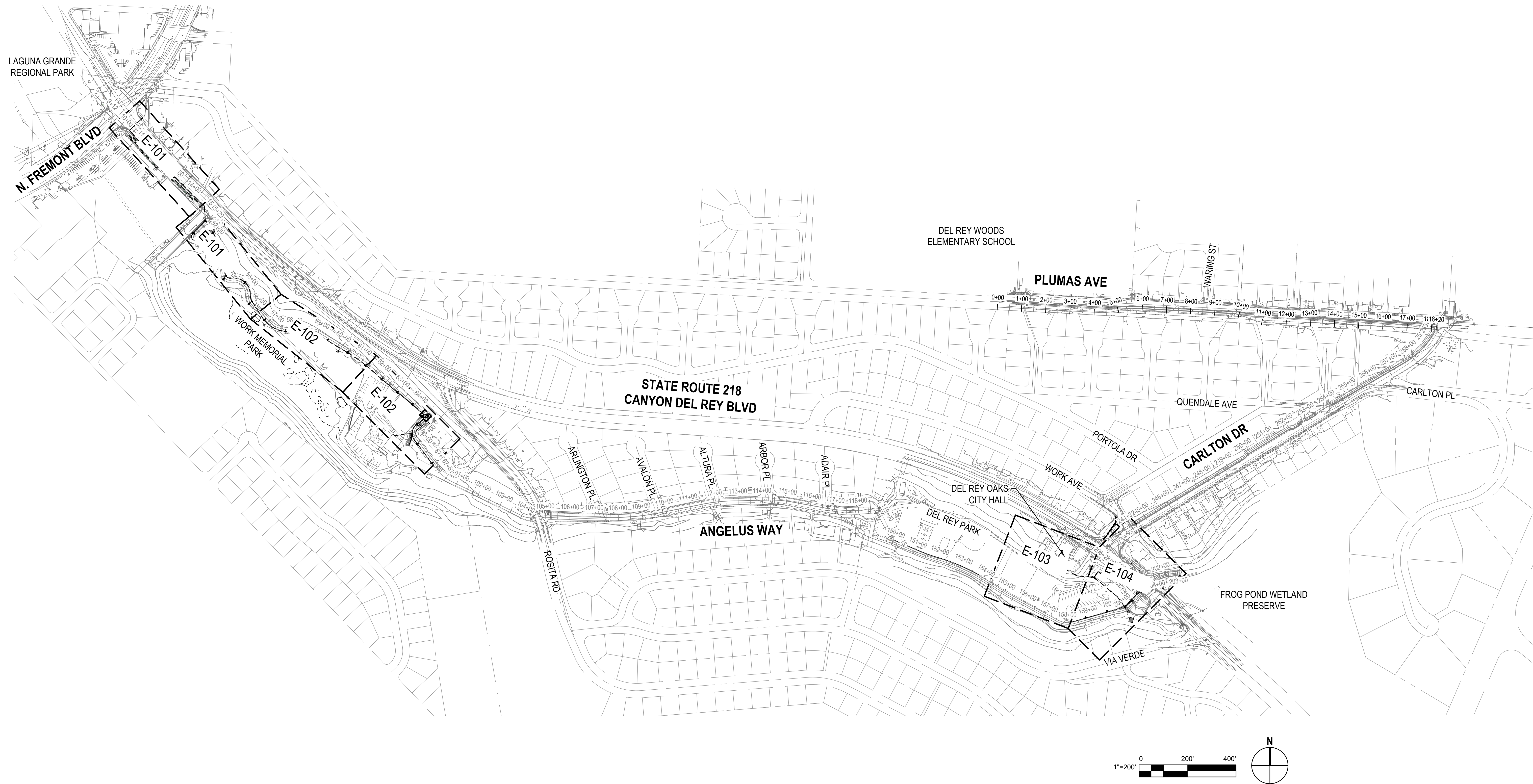


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Project information table including Client (TRANSPORTATION AGENCY FOR MONTEREY COUNTY), Project (FORTAG TRAIL PROJECT), Project No. (11220281), Date (December 1, 2023), Scale (NONE).

Sheet information table including Title (ELECTRICAL SYMBOL LEGEND, ABBREVIATIONS, AND GENERAL NOTES), Sheet No. (E-001), and Status Code (ANSI D).



No.	Issue	Checked	Approved	Date
Author	EAO/JJVL	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	EAO	Design Check LP	Project Director K. VEDULA	



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

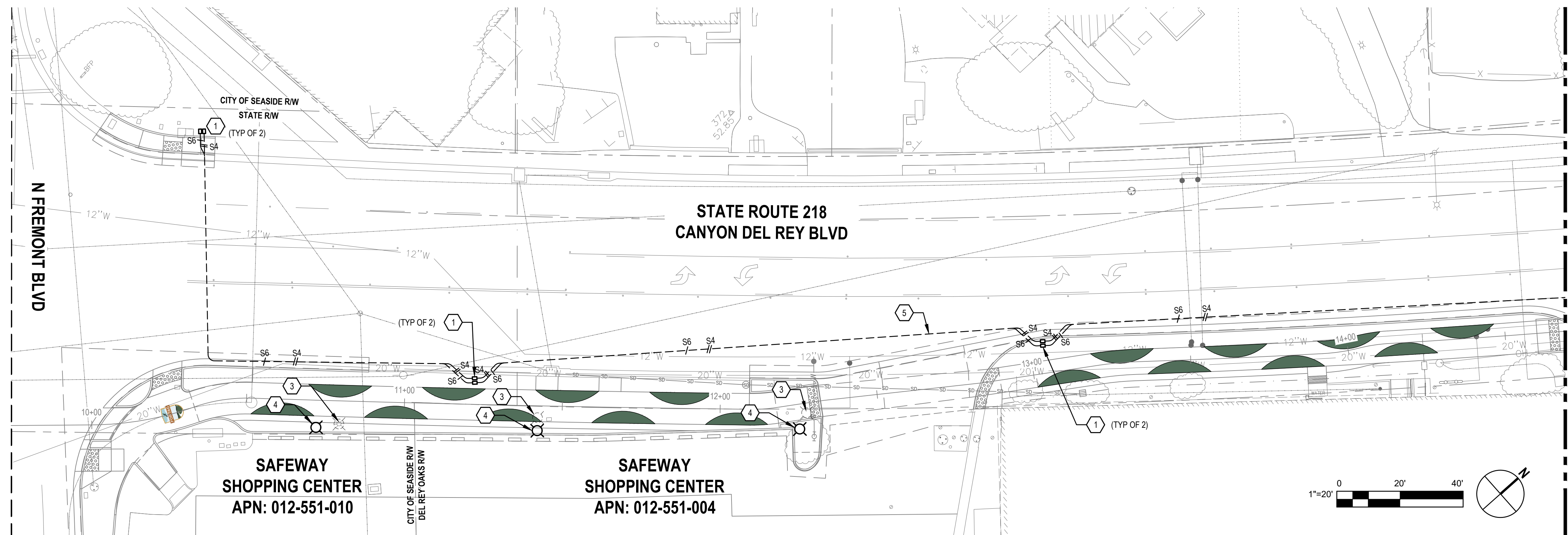
Title **LIGHTING OVERVIEW PLAN**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Size **ANSI D**

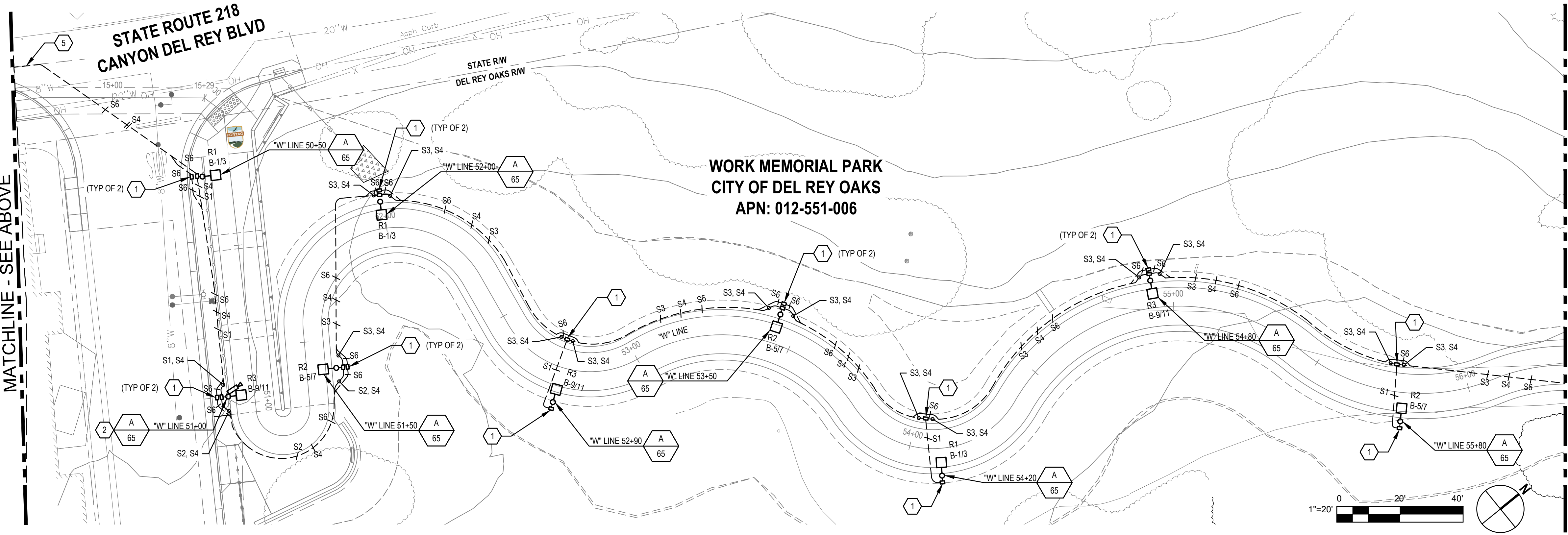
Status Code

Sheet No. **E-002** Sheet **90 of 195**



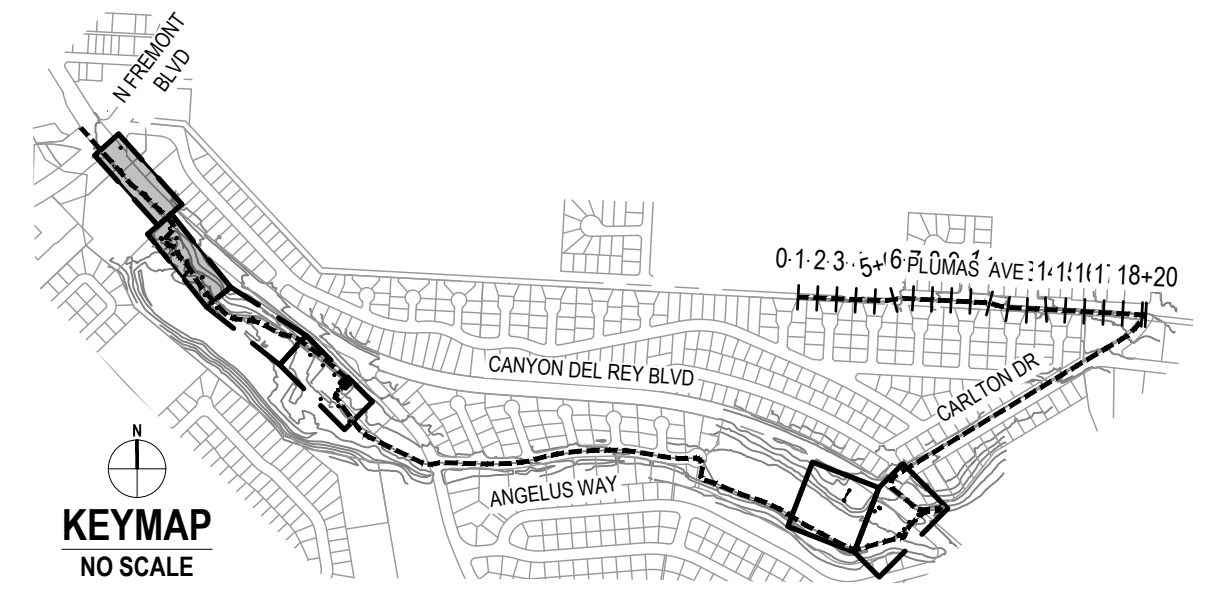
- ### SHEET GENERAL NOTES
1. LOCATION OF (E) UTILITIES & STRUCTURE ARE APPROXIMATE. VERIFY ALL LOCATIONS AND SUBSURFACE CONDITIONS PRIOR TO START OF WORK.
 2. COORDINATE ALL TRENCHING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH EXISTING INFRASTRUCTURE.
 3. WHERE POWER AND DATA CONDUITS RESIDE IN THE SAME TRENCH, MAINTAIN 12-INCH OF SEPARATION BETWEEN THE SYSTEM AND ENSURE THEY ARE ROUTED VIA INDEPENDENT PULL BOX SYSTEM.
 4. PROVIDE CONDUIT IN TRENCH PER DETAIL 3 ON SHEET E-501.
 5. PROVIDE LIGHT FIXTURE COMPLETE WITH 15' POLE, CONCRETE POLE BASE, AND LED LUMINAIRE. SEE DETAIL 1 ON SHEET E-501 FOR CONCRETE POLE FOUNDATION.
 6. PROVIDE LIGHTING POWER CIRCUITS AS INDICATED ON CONDUIT AND CABLE SCHEDULE THIS SHEET.
 7. IN ADDITION TO PULL BOXES SHOWN ON PLANS PROVIDE LIGHT FIXTURE PULL BOX AS SHOWN ON DETAIL 1 SHEET E-501.
 8. UG CONDUIT SHALL BE FIELD ROUTED APPROXIMATELY AS SHOWN ON PLANS TO CONFORM WITH PATHWAY SLOPES.
 9. COORDINATE LUMINAIRE MOUNTING AS REQUIRED TO ORIENT LIGHT FIXTURE AS SHOWN ON PLANS.

- ### SHEET KEYNOTES
1. PROVIDE PULLBOX, CHRISTY B1017 WITH BASE AND COVER OR EQUAL. SEE DETAIL 3 ON SHEET E-502.
 2. PROVIDE NEMA 3R BOX FOR CAMERA CONNECTIONS AND ACCESSORIES. CAMERA SYSTEM TYPE TBD. SEE DETAIL 7 ON SHEET E-502.
 3. DISCONNECT AND REMOVE COMPLETE LIGHT POLE AND FIXTURE, PRESERVE AND PREPARE TO RELOCATE. PRESERVE LIGHTING POWER CIRCUIT AND PREPARE TO EXTEND TO NEW LOCATION. REMOVE POLE FOUNDATION.
 4. PROVIDE CONCRETE POLE FOUNDATION AND PULL BOX PER DETAIL 1 ON SHEET E-501 AND REINSTALL EXISTING LIGHT POLE TO MATCH EXISTING CONDITIONS. PROVIDE SPLICE IN PULL BOX AND EXTEND POWER LIGHTING CIRCUIT AS NEEDED TO RELOCATED LIGHT FIXTURE.
 5. ELECTRICAL TRENCH SHALL HAVE A MINIMUM COVER OF 24" UNLESS THE ELECTRICAL TRENCH IS WITHIN CALTRANS ROW THEN IT SHALL HAVE A MINIMUM COVER OF 42". SEE DETAIL 3 ON SHEET E-501.



CONDUIT AND CABLE SCHEDULE

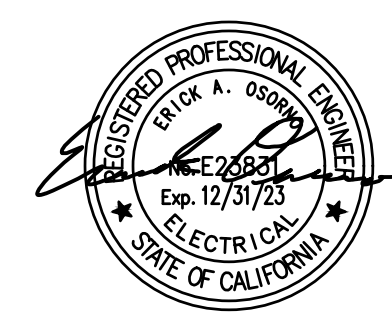
SYMBOL	DESCRIPTION
S1	1-INCH C - (2) #10 (2X PHASE) # 10 GND (1) LIGHTING CIRCUIT
S2	1-INCH C - (4) #10 (3X PHASE) # 10 GND (2) LIGHTING CIRCUIT
S3	1-INCH C - (6) #10 (6X PHASE) # 10 GND (3) LIGHTING CIRCUIT
S4	2-INCH C - SPARE WITH PULL STRING, RESERVED FOR POWER WIRING
S5	1-INCH C - (3) #6 (2X PHASE, NEUTRAL) # 10 GND, 60A POWER CIRCUIT
S6	2-INCH C - SPARE WITH PULL STRING, RESERVED FOR SIGNAL WIRING



No.	Issue	Author	Checked	Approved	Date



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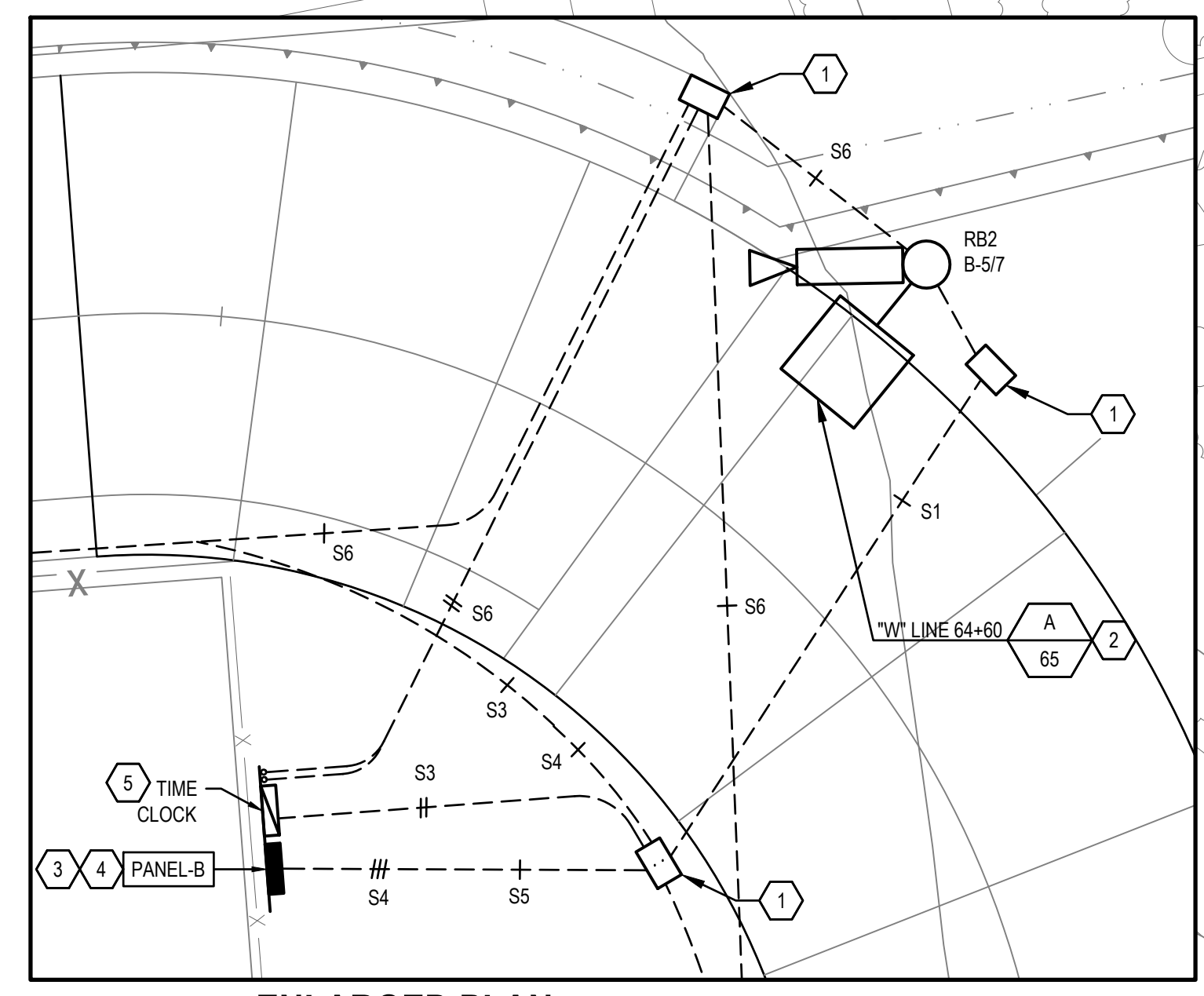
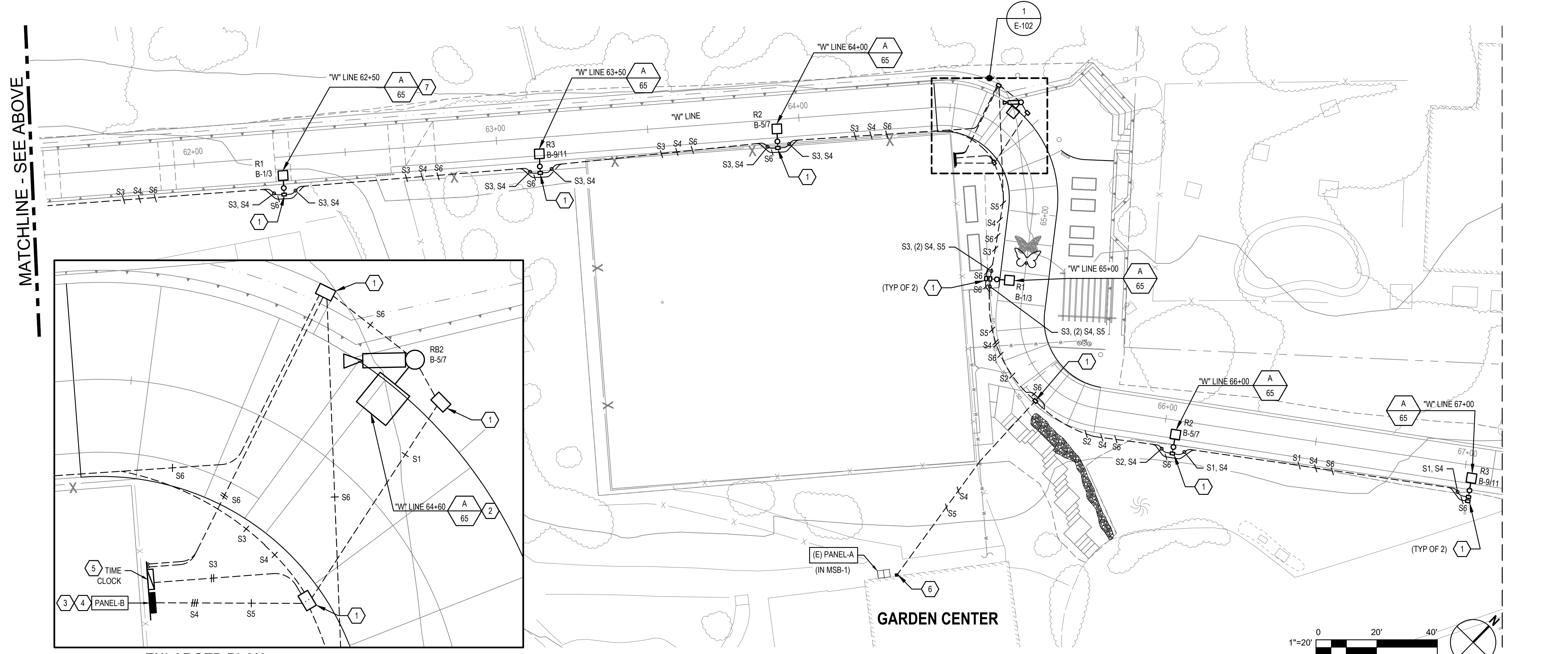
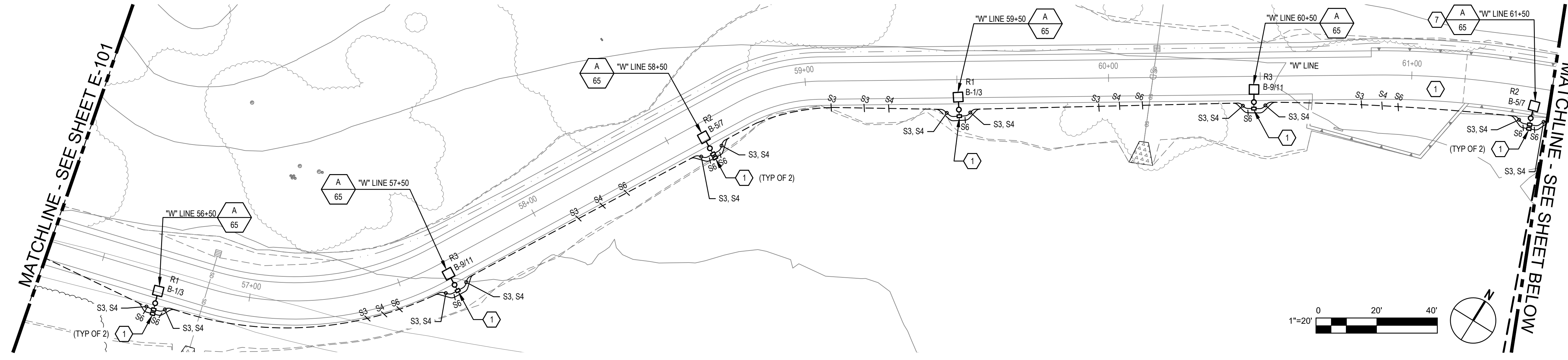
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title LIGHTING PLAN 1
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size
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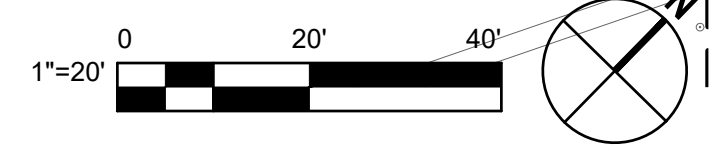
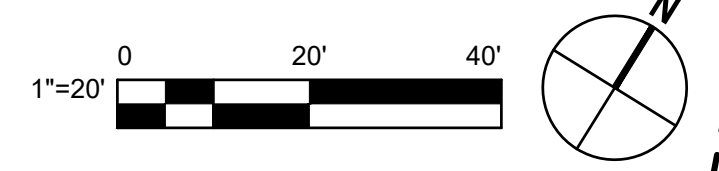
Status Code

Sheet No.
E-101

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1 ENLARGED PLAN
SCALE: 1" = 10'-0"



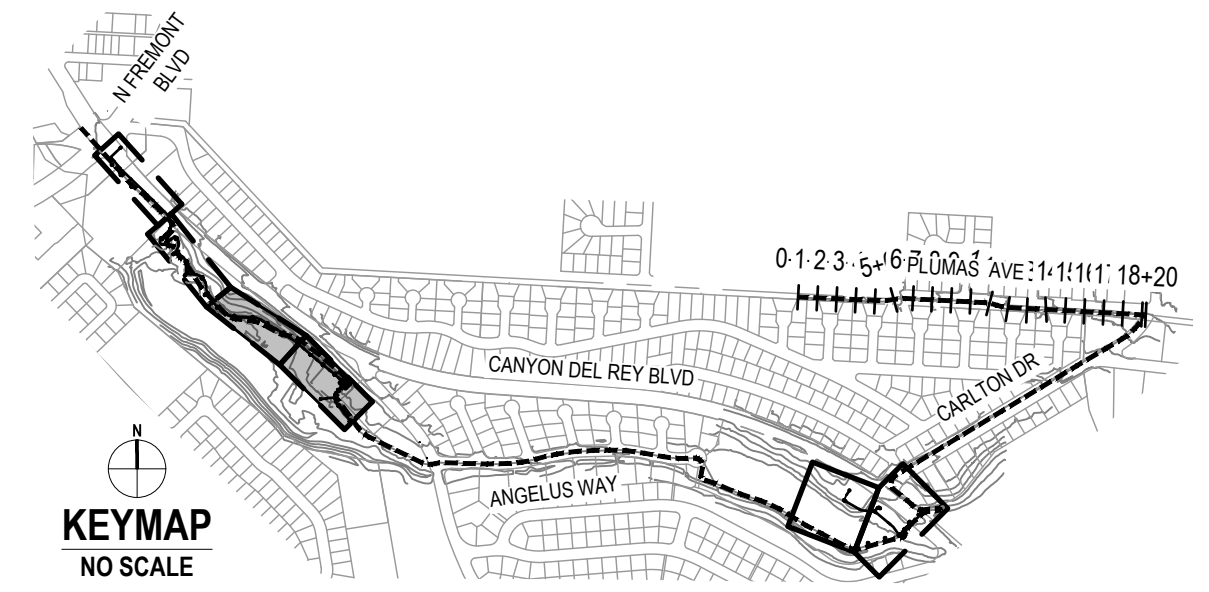
SHEET GENERAL NOTES

1. LOCATION OF (E) UTILITIES & STRUCTURE ARE APPROXIMATE. VERIFY ALL LOCATIONS AND SUBSURFACE CONDITIONS PRIOR TO START OF WORK.
2. COORDINATE ALL TRENCHING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH EXISTING INFRASTRUCTURE.
3. WHERE POWER AND DATA CONDUITS RESIDE IN THE SAME TRENCH, MAINTAIN 12-INCH OF SEPARATION BETWEEN THE SYSTEM AND ENSURE THEY ARE ROUTED VIA INDEPENDENT PULL BOX SYSTEM.
4. PROVIDE CONDUIT IN TRENCH PER DETAIL 3 ON SHEET E-501.
5. PROVIDE LIGHT FIXTURE COMPLETE WITH 1 POLE, CONCRETE POLE BASE, AND LED LUMINAIRE. SEE DETAIL 1 ON SHEET E-501 FOR CONCRETE POLE FOUNDATION.
6. PROVIDE LIGHTING POWER CIRCUITS AS INDICATED ON CONDUIT AND CABLE SCHEDULE THIS SHEET.
7. IN ADDITION TO PULL BOXES SHOWN ON PLANS PROVIDE LIGHT FIXTURE PULL BOX AS SHOWN ON DETAIL 1 SHEET E-501.
8. COORDINATE SCHEDULING OF ELECTRICAL UPGRADES WITH GARDEN CENTER TENANT.
9. UG CONDUIT SHALL BE FIELD ROUTED APPROXIMATELY AS SHOWN ON PLANS TO CONFORM WITH PATHWAY SLOPES.
10. COORDINATE LIGHT POLE ANCHOR BOLTS AND OR LUMINAIRE MOUNTING AS REQUIRED TO ORIENT LIGHT FIXTURE AS SHOWN ON PLANS.

SHEET KEYNOTES

1. PROVIDE PULL BOX, CHISTRY B1017 WITH BASE AND COVER OR EQUAL. SEE DETAIL 3 ON SHEET E-502.
2. PROVIDE NEMA 4X BOX FOR CAMERA CONNECTIONS AND ACCESSORIES. CAMERA SYSTEM TYPE TBD.
3. PROVIDE BRANCH PANEL IN NEMA 4X ENCLOSURE SEE SINGLE LINE DIAGRAM 1 ON SHEET E-601.
4. PROVIDE SS UNISTRUT MOUNTING FRAME PER DETAIL 4 ON SHEET E-502.
5. PROVIDE ASTRONOMICAL TIMECLOCK IN NEMA 4X ENCLOSURE. ROUTE TRAIL LIGHTING VIA TIME CLOCK RELAY. SEE SINGLE LINE DIAGRAM 1 ON SHEET E-601.
6. PROVIDE SUB METER E-MON D-MON CLASS 1000 (OR EQUAL) AND JUNCTION BOX FOR CTS. PENETRATE SIDE OF MSB-1 FOR NEW POWER CIRCUIT. SEE SINGLE LINE DIAGRAM 1 ON SHEET E-601.
7. PROVIDE MANUFACTURER 20 FT POLE FOR INDICATED LIGHT FIXTURE, IN LIEU OF STANDARD 15-FT POLE.

CONDUIT AND CABLE SCHEDULE	
SYMBOL	DESCRIPTION
S1	1-INCH C - (2) #10 (2X PHASE) # 10 GND (1) LIGHTING CIRCUIT
S2	1-INCH C - (4) #10 (3X PHASE) # 10 GND (2) LIGHTING CIRCUIT
S3	1-INCH C - (6) #10 (6X PHASE) # 10 GND (3) LIGHTING CIRCUIT
S4	2-INCH C - SPARE WITH PULL STRING, RESERVED FOR POWER WIRING
S5	1-INCH C - (3) #6 (2X PHASE, NEUTRAL) # 10 GND, 60A POWER CIRCUIT
S6	2-INCH C - SPARE WITH PULL STRING, RESERVED FOR SIGNAL WIRING



No. Issue	Checked	Approved	Date
Author SD/JJVL	Drafting Check EAO	Project Manager L. VAN PARYS	
Designer EAO	Design Check CR	Project Director K. VEDULA	



Bar is one inch on original size sheet



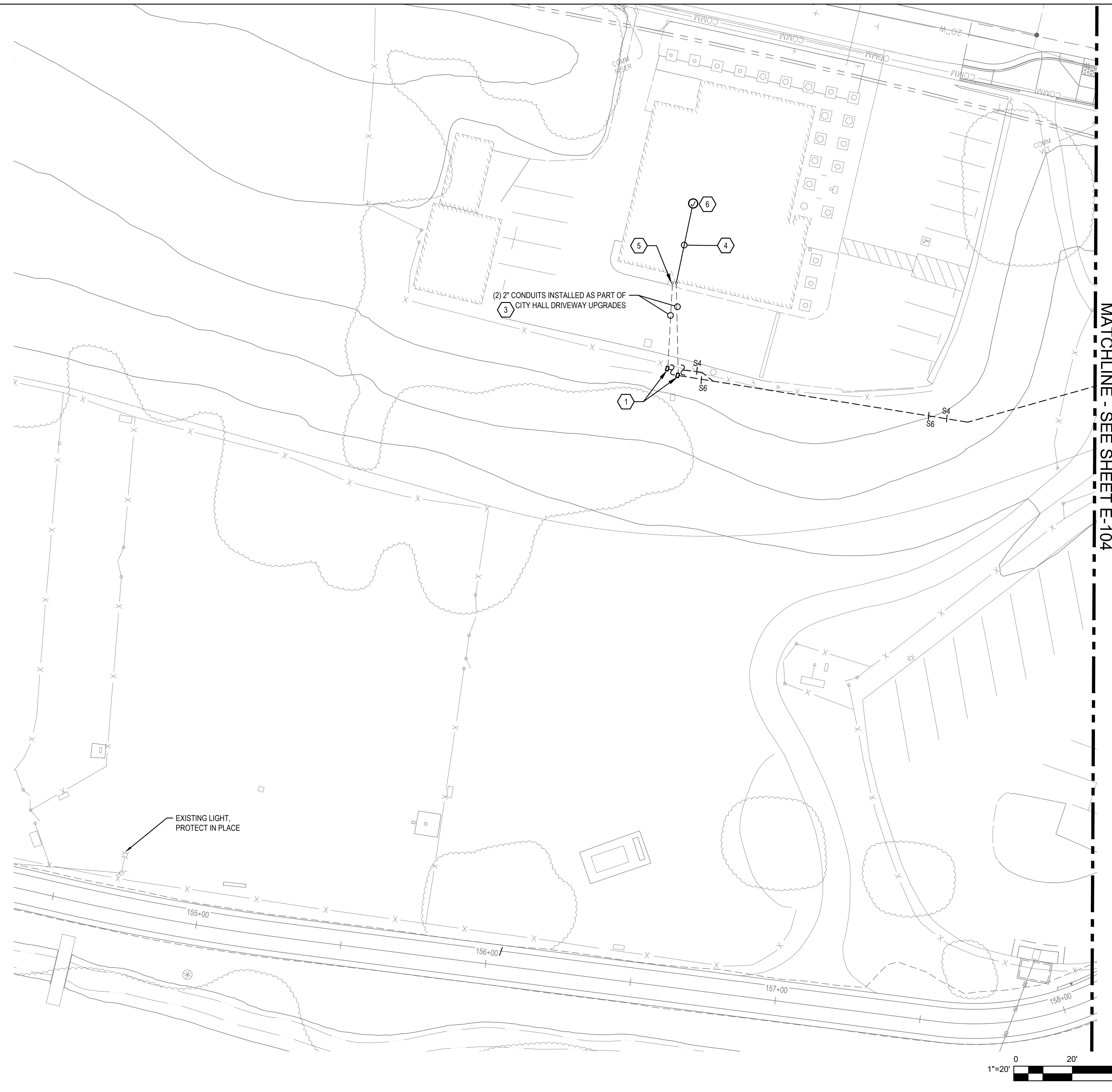
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title LIGHTING PLAN 2
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size
ANSI D

Status Code

Sheet No.
E-102

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MATCHLINE - SEE SHEET E-104

SHEET GENERAL NOTES

1. LOCATION OF (E) UTILITIES & STRUCTURE ARE APPROXIMATE. VERIFY ALL LOCATIONS AND SUBSURFACE CONDITIONS PRIOR TO START OF WORK.
2. COORDINATE ALL TRENCHING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH EXISTING INFRASTRUCTURE.
3. PROVIDE CONDUIT IN TRENCH PER DETAIL 3 ON SHEET E-501.
4. UG CONDUIT SHALL BE FIELD ROUTED APPROXIMATELY AS SHOWN ON PLANS TO CONFORM WITH PATHWAY SLOPES.
5. COORDINATE LIGHT POLE ANCHOR BOLTS AND OR LUMINAIRE MOUNTING AS REQUIRED TO ORIENT LIGHT FIXTURE AS SHOWN ON PLANS.

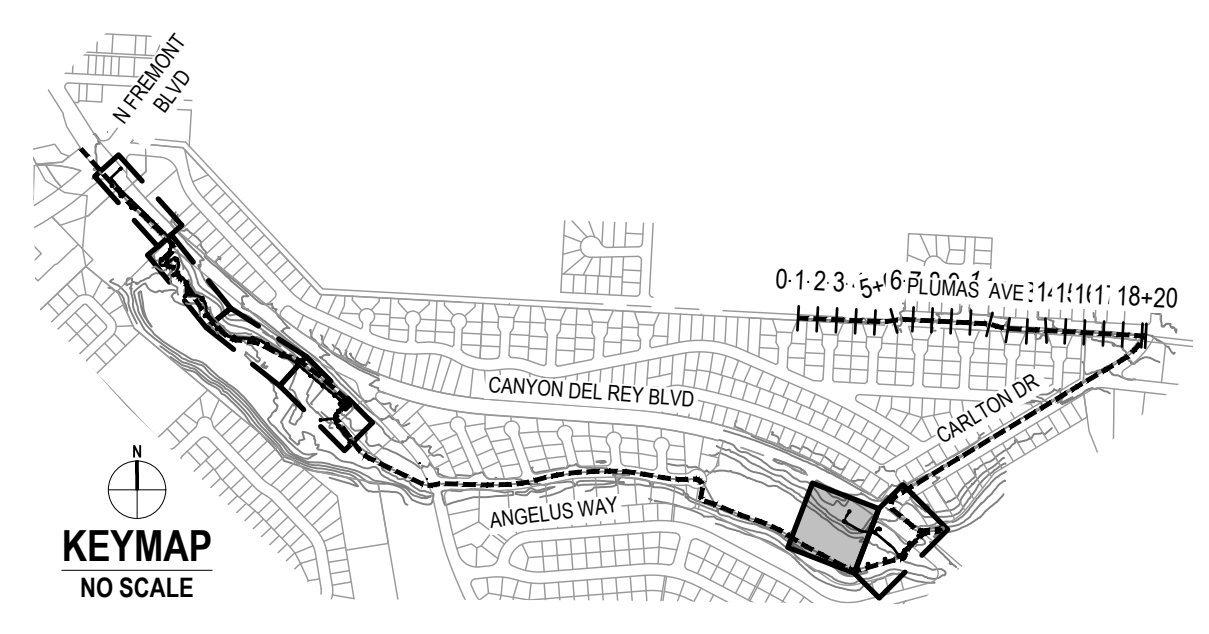
SHEET KEYNOTES

1. PROVIDE PULL BOX, CHRISTY B1017 WITH BASE AND COVER OR EQUAL. SEE DETAIL 3 ON SHEET E-502.
2. PROVIDE NEMA 3R BOX FOR CAMERA CONNECTIONS AND ACCESSORIES. CAMERA SYSTEM TYPE TBD.
3. INTERCEPT (E) (2) 2-INCH CONDUITS, CONNECT TO NEW PULL BOX.
4. PROVIDE 3/4-INCH CONDUIT AND FITTINGS FROM (E) CONDUIT STUB UP TO SURVEILLANCE EQUIPMENT IN CITY HALL. COORDINATE ROUTING OF CONDUIT WITH (E) BUILDING INFRASTRUCTURE.
5. PROVIDE WEATHER PROOF PENETRATION ON BUILDING WALL PER DETAIL 5 ON SHEET E-502.
6. PROVIDE JUNCTION BOX NEAR SURVEILLANCE EQUIPMENT.

CONDUIT AND CABLE SCHEDULE

SYMBOL	DESCRIPTION
S1	1-INCH C - (2) #10 (2X PHASE) # 10 GND (1) LIGHTING CIRCUIT
S2	1-INCH C - (4) #10 (3X PHASE) # 10 GND (2) LIGHTING CIRCUIT
S3	1-INCH C - (6) #10 (6X PHASE) # 10 GND (3) LIGHTING CIRCUIT
S4	2-INCH C - SPARE WITH PULL STRING, RESERVED FOR POWER WIRING
S5	1-INCH C - (3) #6 (2X PHASE, NEUTRAL) # 10 GND, 60A POWER CIRCUIT
S6	2-INCH C - SPARE WITH PULL STRING, RESERVED FOR SIGNAL WIRING

EXISTING LIGHT, PROTECT IN PLACE



No.	Issue	Checked	Approved	Date
Author	SDJJVL	Drafting Check	EAO	Project Manager
Designer	EAO	Design Check	CR	Project Director
				L. VAN PARYS
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0 1"



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Project
FORTAG TRAIL PROJECT

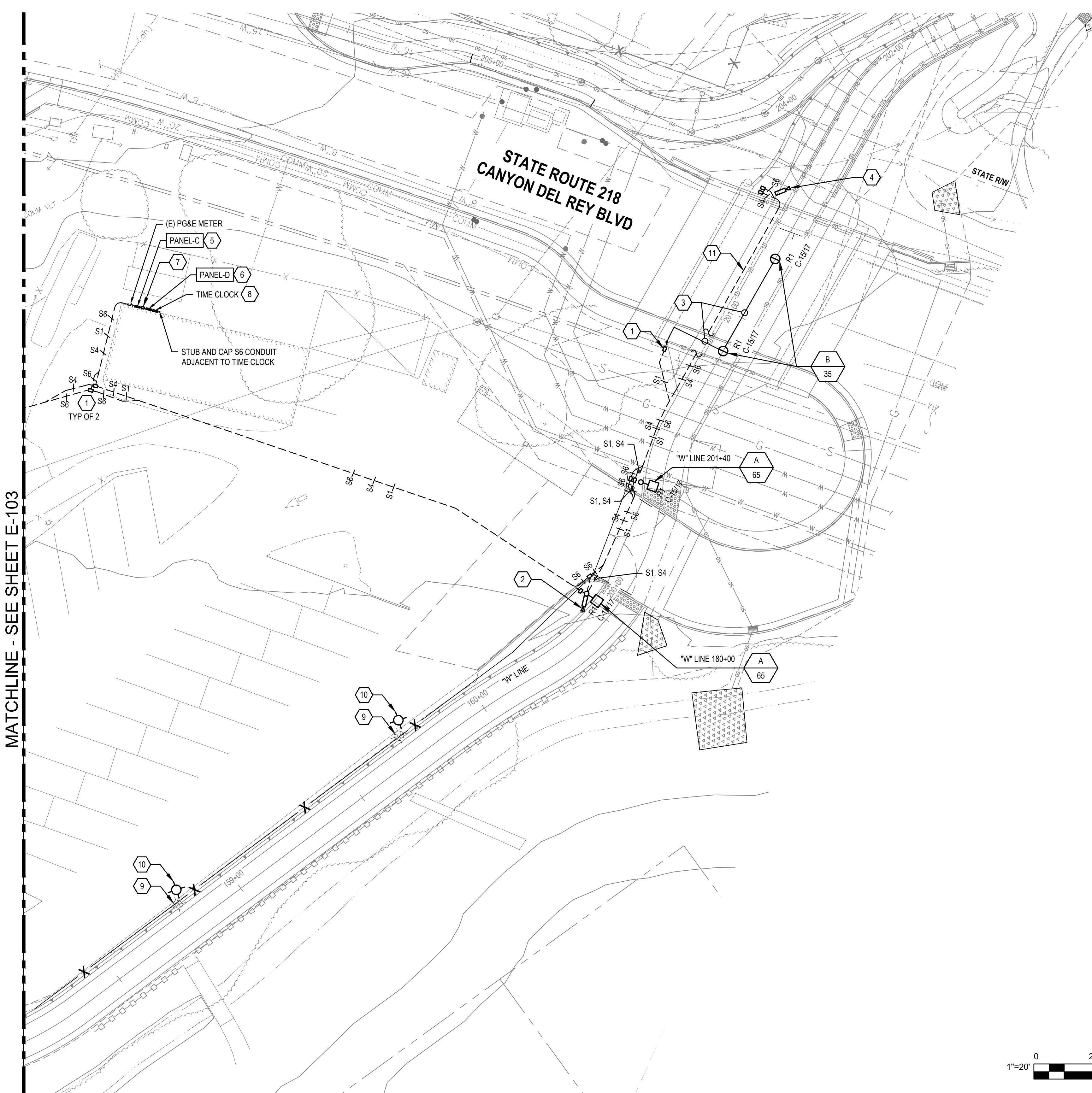
Project No. 11220281 Date December 1, 2023 Scale AS SHOWN

Title **LIGHTING PLAN 3**

Size **ANSI D**

Status Code

Sheet No. **E-103** Sheet 93 of 195



MATCHLINE - SEE SHEET E-103

SHEET GENERAL NOTES

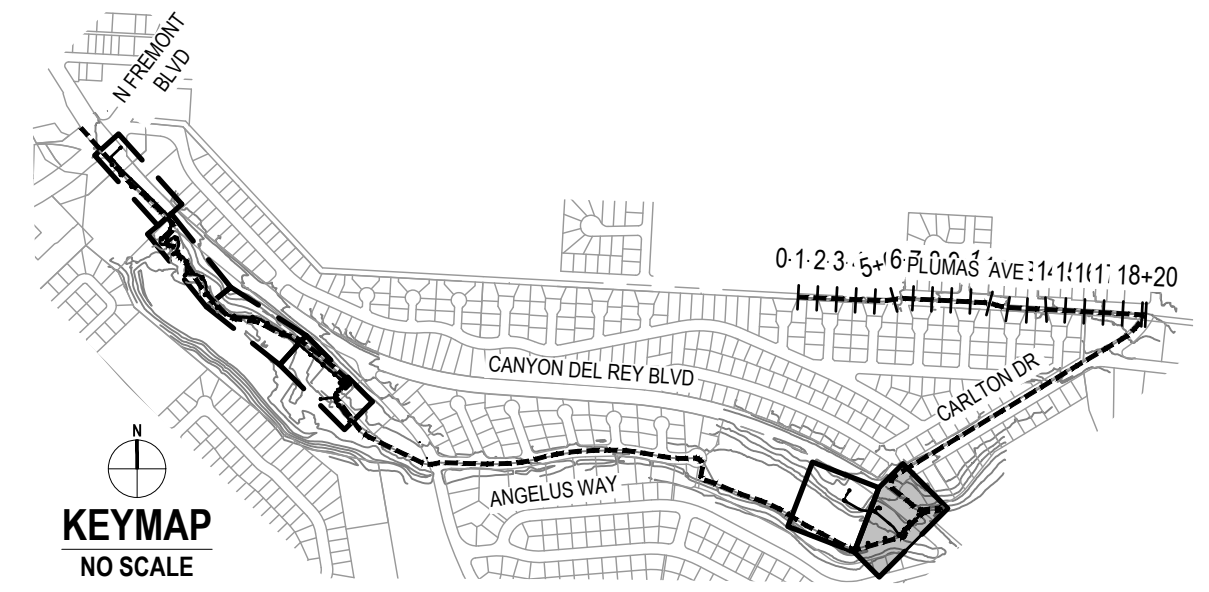
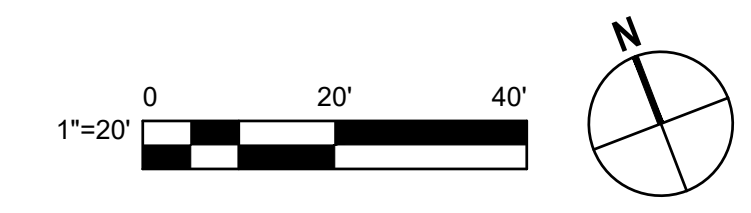
- LOCATION OF (E) UTILITIES & STRUCTURE ARE APPROXIMATE. VERIFY ALL LOCATIONS AND SUBSURFACE CONDITIONS PRIOR TO START OF WORK.
- COORDINATE ALL TRENCHING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH EXISTING INFRASTRUCTURE.
- WHERE POWER AND DATA CONDUITS RESIDE IN THE SAME TRENCH, MAINTAIN 12-INCH OF SEPARATION BETWEEN THE SYSTEM AND ENSURE THEY ARE ROUTED VIA INDEPENDENT PULL BOX SYSTEM.
- PROVIDE CONDUIT IN TRENCH PER DETAIL 3 ON SHEET E-501.
- PROVIDE LIGHT FIXTURE COMPLETE WITH 1 POLE, CONCRETE POLE BASE, AND LED LUMINAIRE. SEE DETAIL 1 ON SHEET E-501 FOR CONCRETE POLE FOUNDATION.
- PROVIDE LIGHTING POWER CIRCUITS AS INDICATED ON CONDUIT AND CABLE SCHEDULE THIS SHEET.
- IN ADDITION TO PULL BOXES SHOWN ON PLANS PROVIDE LIGHT FIXTURE PULL BOX AS SHOWN ON DETAIL 1 SHEET E-501.
- COORDINATE SCHEDULING OF ELECTRICAL UPGRADES WITH CITY HALL STAFF.
- UG CONDUIT SHALL BE FIELD ROUTED APPROXIMATELY AS SHOWN ON PLANS TO CONFORM WITH PATHWAY SLOPES.
- COORDINATE LIGHT POLE ANCHOR BOLTS AND OR LUMINAIRE MOUNTING AS REQUIRED TO ORIENT LIGHT FIXTURE AS SHOWN ON PLANS.

SHEET KEYNOTES

- PROVIDE PULLBOX, CHRISTY B1017 WITH BASE AND COVER OR EQUAL. SEE DETAIL 3 ON SHEET E-502.
- PROVIDE NEMA 4X BOX FOR CAMERA CONNECTIONS AND ACCESSORIES. CAMERA SYSTEM TYPE TBD. SEE DETAIL 7 ON SHEET E-502.
- PROVIDE SURFACE MOUNT 3/4-INCH CONDUIT ON BRIDGE STRUCTURE FOR LIGHTING POWER CIRCUIT.
- PROVIDE SURFACE MOUNT JUNCTION BOX FOR SECURITY CAMERA. MOUNTED ON SIDE OF BRIDGE STRUCTURE AIMED AS SHOWN. PROVIDE SURFACE MOUNT 3/4-INCH CONDUIT FOR CAMERA WIRING BY OTHERS.
- PROVIDE BRANCH PANEL. SEE SINGLE LINE DIAGRAM 2 ON SHEET E-601.
- PROVIDE TENANT BRANCH PANEL. SEE SINGLE LINE DIAGRAM 2 ON SHEET E-601.
- PROVIDE SUB METER E-MON D-MON CLASS 1000 (OR EQUAL) AND JUNCTION BOX FOR CTS. SEE SINGLE LINE DIAGRAM 2 ON SHEET E-601.
- PROVIDE ASTRONOMICAL TIMECLOCK IN NEMA 4X ENCLOSURE. ROUTE TRAIL LIGHTING VIA TIME CLOCK RELAY. SEE SINGLE LINE DIAGRAM 2 ON SHEET E-601.
- DISCONNECT AND REMOVE COMPLETE LIGHT POLE AND FIXTURE. PRESERVE AND PREPARE TO RELOCATE. PRESERVE LIGHTING POWER CIRCUIT AND PREPARE TO EXTEND TO NEW LOCATION. REMOVE POLE FOUNDATION.
- PROVIDE CONCRETE POLE FOUNDATION AND PULL BOX PER DETAIL 1 ON SHEET E-501 AND REINSTALL EXISTING LIGHT POLE TO MATCH EXISTING CONDITIONS. PROVIDE SPLICE IN PULL BOX AND EXTEND POWER LIGHTING CIRCUIT AS NEEDED TO RELOCATED LIGHT FIXTURE.
- ELECTRICAL TRENCH SHALL HAVE A MINIMUM COVER OF 24" UNLESS THE ELECTRICAL TRENCH IS WITHIN CALTRANS ROW THEN IT SHALL HAVE A MINIMUM COVER OF 42". SEE DETAIL 3 ON SHEET E-501.

CONDUIT AND CABLE SCHEDULE

SYMBOL	DESCRIPTION
S1	1-INCH C - (2) #10 (2X PHASE) # 10 GND (1) LIGHTING CIRCUIT
S2	1-INCH C - (4) #10 (3X PHASE) # 10 GND (2) LIGHTING CIRCUIT
S3	1-INCH C - (6) #10 (6X PHASE) # 10 GND (3) LIGHTING CIRCUIT
S4	2-INCH C - SPARE WITH PULL STRING. RESERVED FOR POWER WIRING
S5	1-INCH C - (3) #6 (2X PHASE, NEUTRAL) # 10 GND, 60A POWER CIRCUIT
S6	2-INCH C - SPARE WITH PULL STRING. RESERVED FOR SIGNAL WIRING

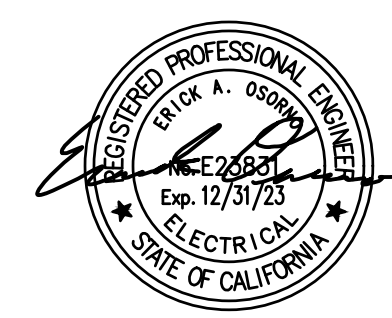


No.	Issue	Checked	Approved	Date
Author	SD	Drafting Check	EAO	Project Manager
Designer	EAO	Design Check	CR	Project Director
				L. VAN PARYS
				K. VEDULA



Bar is one inch on original size sheet

0 1"



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Project
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Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **LIGHTING PLAN 4**

Size **ANSI D**

Status Code

Sheet No. **E-104** Sheet 94 of 195

DESIGN ASSUMPTIONS:

THE FOUNDATION DESIGN SET FORTH IN THIS DETAIL IS BASED ON THE FOLLOWING PARAMETERS. FOUNDATION REQUIREMENTS MAY DIFFER DEPENDING ON GEOGRAPHIC LOCATION, LUMINAIRE SIZE AND CONFIGURATION, POLE SIZE AND CONFIGURATION AS WELL AS SOIL CONDITIONS. THE DESIGN PROFESSIONAL SHALL VERIFY THAT THE FOUNDATION DESIGN PROVIDED MEETS OR EXCEEDS THAT REQUIRED FOR THE PROJECT IN WHICH THIS DETAIL IS BEING USED. THIS DESIGN ASSUMES THAT WIND LOAD GOVERNS OVER SEISMIC LOADING FOR THE LIGHT POLE FOUNDATION DESIGN.

DESIGN CODES: 2019 CALIFORNIA BUILDING CODE (2019 CBC) USING ASCE 7-16, CHAPTER 29, FOR WIND LOADS AND THE POLE FOUNDATION FORMULAS AS SET FORTH IN 2019 CBC SECTION 1807A.3.2.

EFFECTIVE PROJECTED AREA (EPA):
LUMINAIRE: 5-FT²
POLE: 0.5-FT x POLE HEIGHT
BOLLARD BASE: 2-FT²

RISK CATEGORY: II
BASIC WIND SPEED: 110 MPH
DIRECTIONALITY FACTOR 'K_d': 0.95
EXPOSURE CATEGORY: C
TOPOGRAPHIC FACTOR 'K_z': 1.0
GUST EFFECT FACTOR 'G': 0.85

VELOCITY PRESSURE COEFFICIENT 'K_c':
0 FT - 15 FT: 0.85
15 FT - 20 FT: 0.90
20 FT - 25 FT: 0.94
25 FT - 30 FT: 0.98
30 FT - 35 FT: 1.01

VELOCITY PRESSURE: $q = 0.00256K_cK_dK_zV^2$ (PSF)
FORCE COEFFICIENT 'C_f':
0 FT - 15 FT: 0.64
15 FT - 25 FT: 0.70
25 FT - 35 FT: 0.86

WIND FORCE: $F = qC_fG_A$

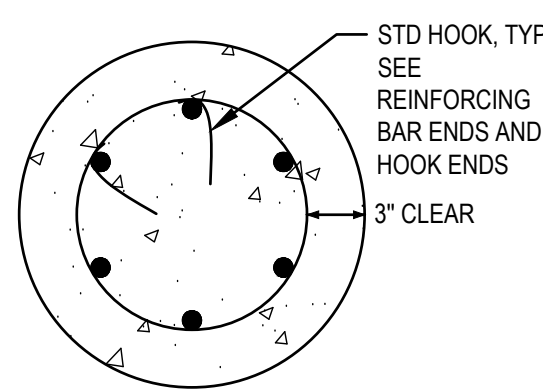
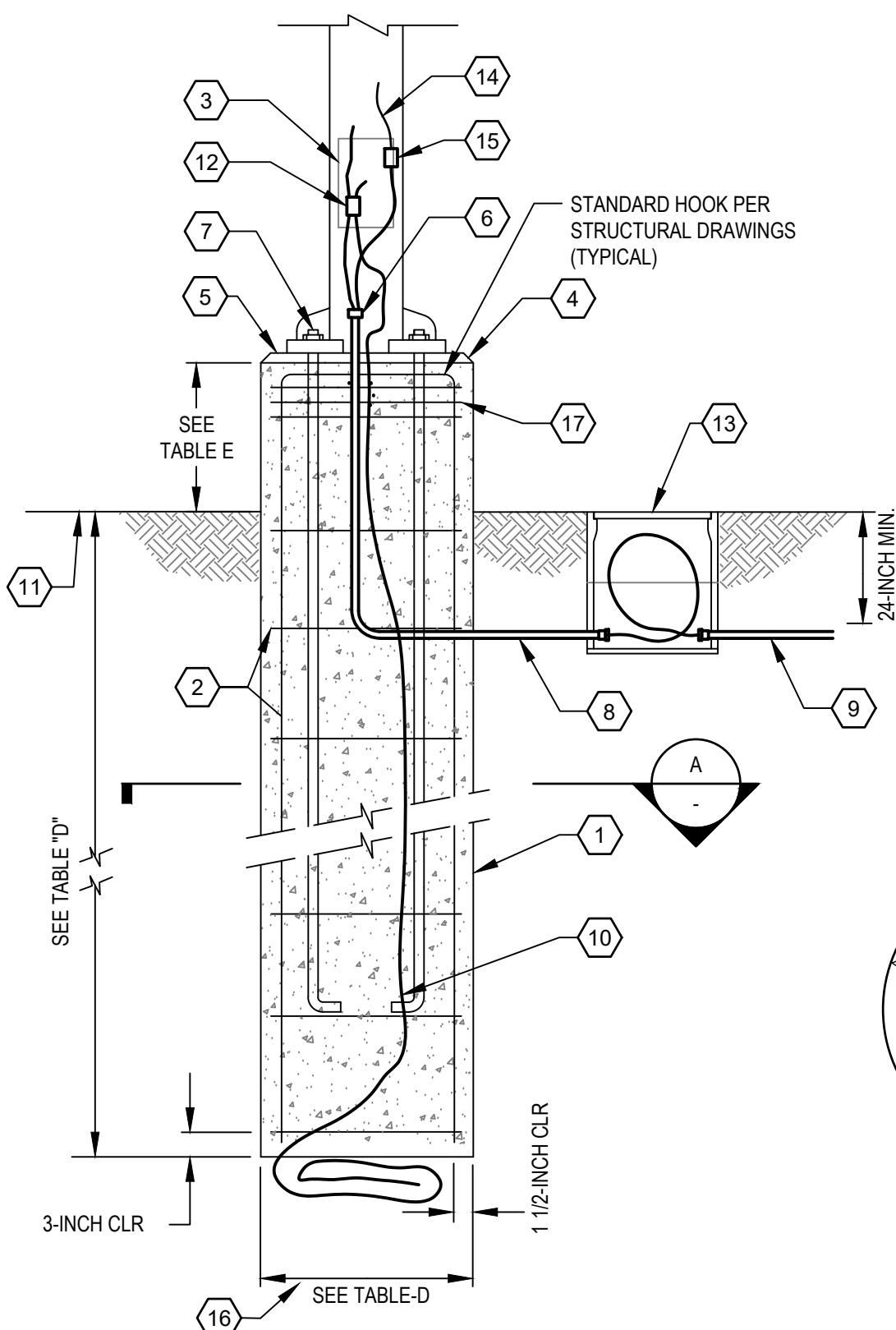
SOIL TYPE: CLAY SOIL PER TABLE 1806A.2

GENERAL NOTES:

- ALL CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- ALL REINFORCING SHALL BE ASTM A615, F_y = 60 KSI. NO WELDING OF ANY REINFORCING IS PERMITTED.

DETAIL NOTES:

- POURED IN PLACE ROUND CONCRETE SUPPORT BASE.
- 6- NO. 6 VERTICAL BARS WITH NO. 3 TIES @ 12-INCH O.C. SEE NOTE 18.
- ACCESS HAND-HOLE.
- 3/4-INCH - 45° CHAMFER ALL AROUND.
- GROUT IN ALL AROUND BETWEEN BOTTOM OF POLE BASE FOLLOWING POLE ERECTION AND FINAL LEVELING.
- STUB CONDUIT UP INTO POLE BASE WIRING CAVITY. (IF RGS TERMINATE WITH GROUNDING BUSHING.)
- PROVIDE SUPPORT AND LEVELING NUTS ON TOP AND BOTTOM OF POLE BASE MOUNTING PLATE. MOUNTING PLATE AND MOUNTING BOLTS SHALL BE PER MANUFACTURERS BOLT PATTERN. LENGTH SHALL BE PER MANUFACTURERS SPECIFICATIONS. WITH 2-0" MIN. EMBEDMENT INTO CONCRETE POLE BASE.
- TYPICAL PVC CONDUIT, 3/4-INCH MIN, WITH CONDUCTORS AS INDICATED ON DRAWINGS. 1/2" ACCEPTABLE FOR BOLLARD FIXTURES.
- TYPICAL INCOMING EXTERIOR BRANCH CIRCUIT CONDUIT AND WIRING FROM U.G. CONDUITS.
- (1) #4 AWG BARE COPPER GROUND. COIL 30-INCH AT BOTTOM OF FOUNDATION.
- TOP OF SODDED GRADE, SIDEWALK OR ASPHALT PAVING AS INDICATED ON THE RESPECTIVE AREA SITE PLAN.
- BOLTED TYPE WIRE GROUND CONNECTOR.
- ELECTRICAL BOX, CHRISTY B2436. ALL SPLICES SHALL BE MADE IN THE PULL BOX AND SHALL BE WATERPROOF, CAST TYPE.
- WIRING TO LIGHT FIXTURE. CONNECT COMPLETE.
- WATERPROOF IN-LINE FUSES.
- WHERE THERE ARE EXISTING POLE MOUNTED FIXTURES ON THE JOB SITE, MODIFY DIAMETER OF POLE BASE TO MATCH EXISTING. MINIMUM DIAMETER SHALL BE AS NOTED.
- LATERAL REINFORCEMENT SHALL BE DISTRIBUTED WITHIN 5-INCHES OF THE TOP OF THE COLUMN AND SHALL CONSIST OF 2-NO. 4 OR 3-NO. 3 BARS. (PER ACI3-18, SECTION 10.7.6.1.6)



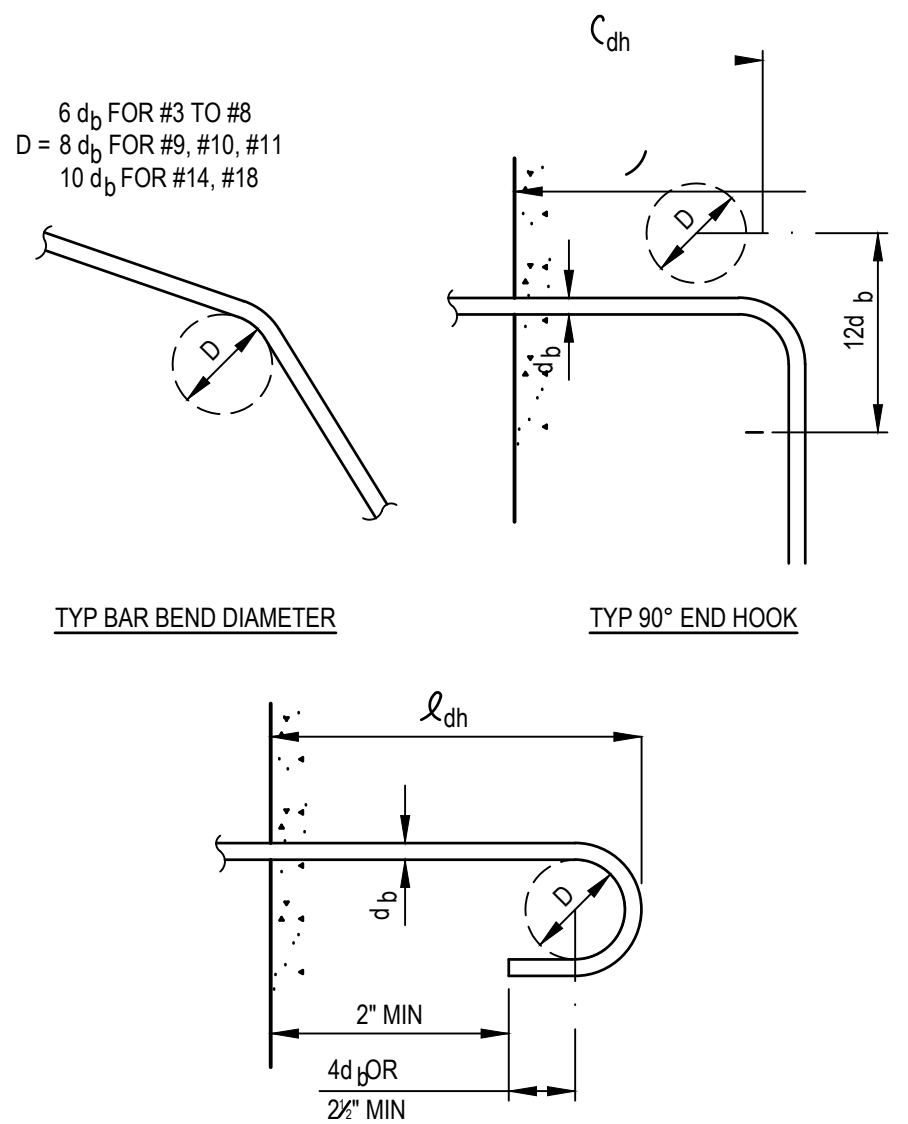
POLE HEIGHT	POLE BASE DEPTH (H)		
	CONSTRAINED*	NON-CONSTRAINED	MIN DIAMETER
0 FT - 4 FT (BOLLARD)	18-INCH	24-INCH	12-INCH
4 FT - 15 FT	39-INCH	52-INCH	18-INCH
15 FT - 25 FT	54-INCH	72-INCH	18-INCH
25 FT - 35 FT	66-INCH	87-INCH	18-INCH

POLE LOCATION	BASE HEIGHT ABOVE FINISHED GRADE
PARKING LOT	36"
PRIVATE DRIVE	36"
LANDSCAPE, PEDESTRIAN AREAS	FLUSH WITH GRADE

*LATERAL CONSTRAINT IS PROVIDED AT THE GROUND SURFACE SUCH AS BY A RIGID FLOOR OR CONCRETE PAVEMENT OR ASPHALT PAVEMENT.

BAR SIZE	NORMAL WEIGHT CONCRETE, f _c PSI			
	3000	4000	5000	6000
#3	6	6	6	6
#4	8	7	6	6
#5	10	9	8	7
#6	12	10	9	9
#7	14	12	11	10
#8	16	14	12	11
#9	18	15	14	13
#10	20	17	16	14
#11	22	19	17	16
#14	38	33	29	27
#18	50	43	39	35

REINFORCING BAR ENDS AND END HOOKS

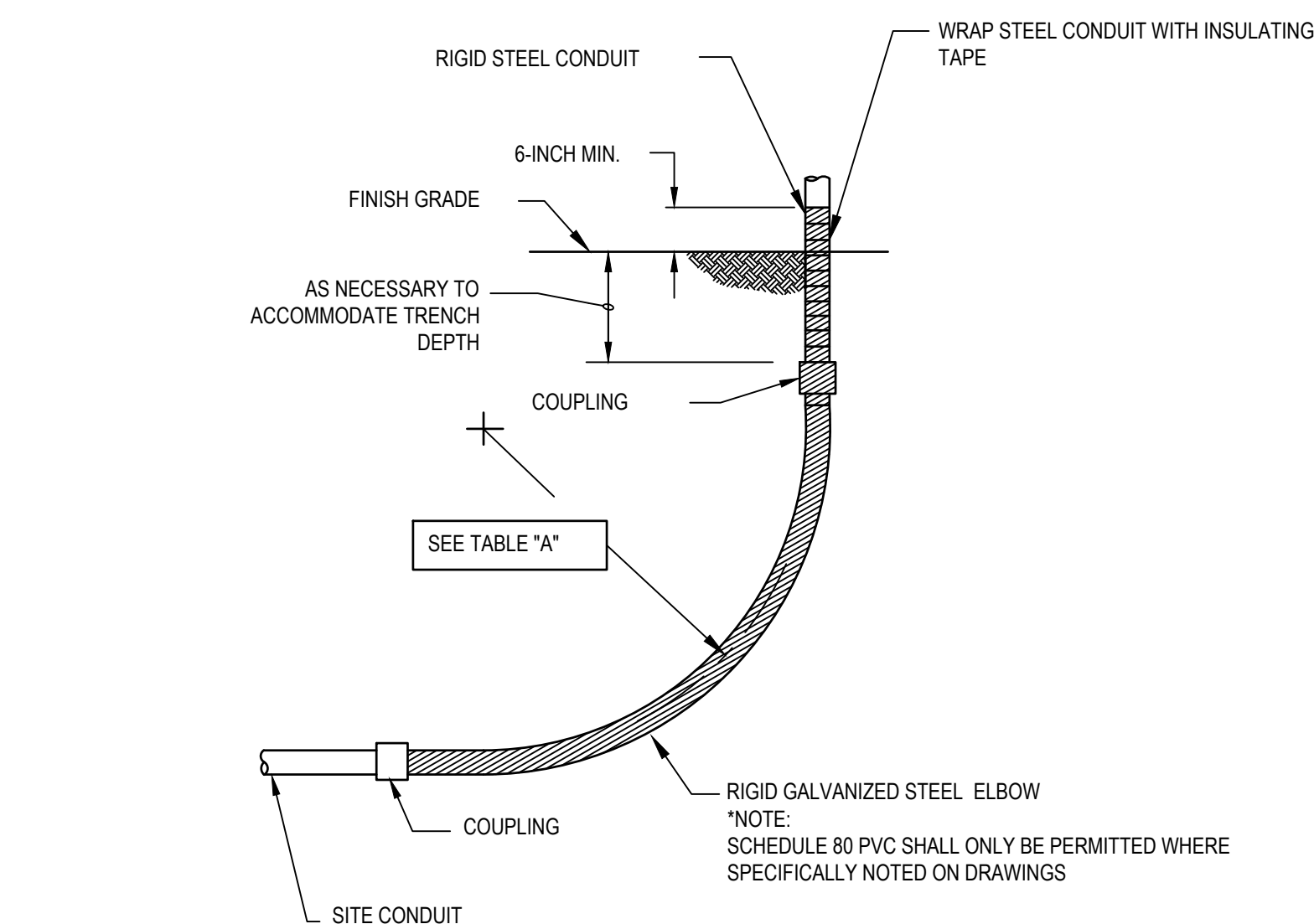
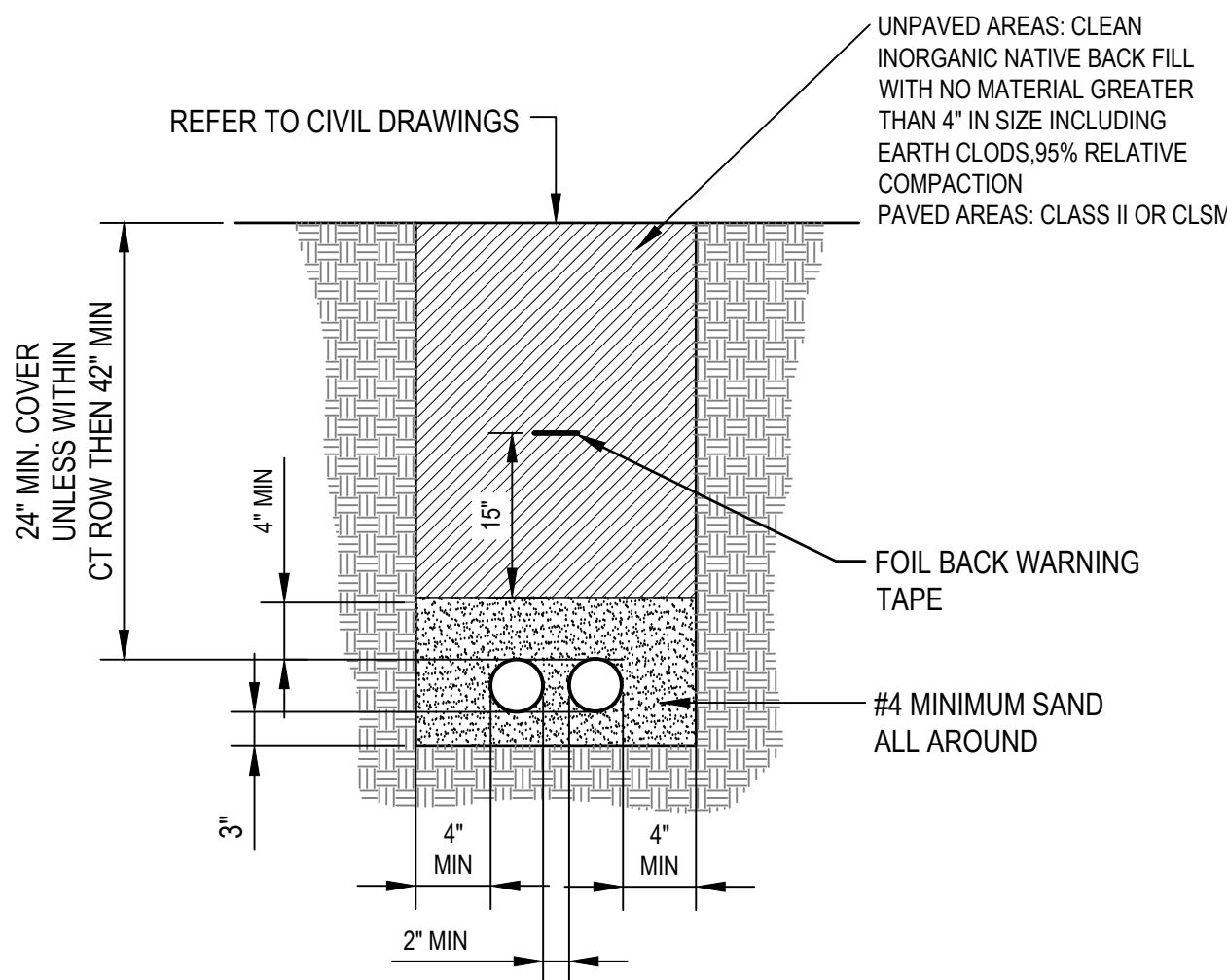


2 REINFORCING BAR ENDS AND END HOOKS

NOT TO SCALE

3 TYPICAL ELCTRICAL TRENCH

NOT TO SCALE



CONDUIT SIZE	MINIMUM ELBOW RADIUS REQUIREMENTS	
	RUNS 0-100 FEET	RUNS GREATER THAN 101 FEET
1/2-INCH	4-INCH	4-INCH
3/4-INCH	4 1/2-INCH	4 1/2-INCH
1-INCH	5 3/4-INCH	5 3/4-INCH
1 1/4-INCH	7 1/4-INCH	7 1/4-INCH
1 1/2-INCH	8 1/4-INCH	8 1/4-INCH
2-INCH	9 1/2-INCH	9 1/2-INCH
2 1/2-INCH	10 1/2-INCH	11 7/16-INCH
3-INCH	13-INCH	13 3/4-INCH
4-INCH	16-INCH	18 1/4-INCH
5-INCH	24-INCH	-
6-INCH	30-INCH	-

*NOTE: SCHEDULE 80 PVC SHALL ONLY BE PERMITTED WHERE SPECIFICALLY NOTED ON DRAWINGS

1 TYPICAL CONCRETE POLE OR BOLLARD BASE

NOT TO SCALE

4 TYPICAL CONDUIT STUB-UP

NOT TO SCALE

No.	Issue	Checked	Approved	Date
Author	EAO	Drafting Check	CAR	Project Manager
Designer	EAO	Design Check	CAR	Project Director



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0 1"



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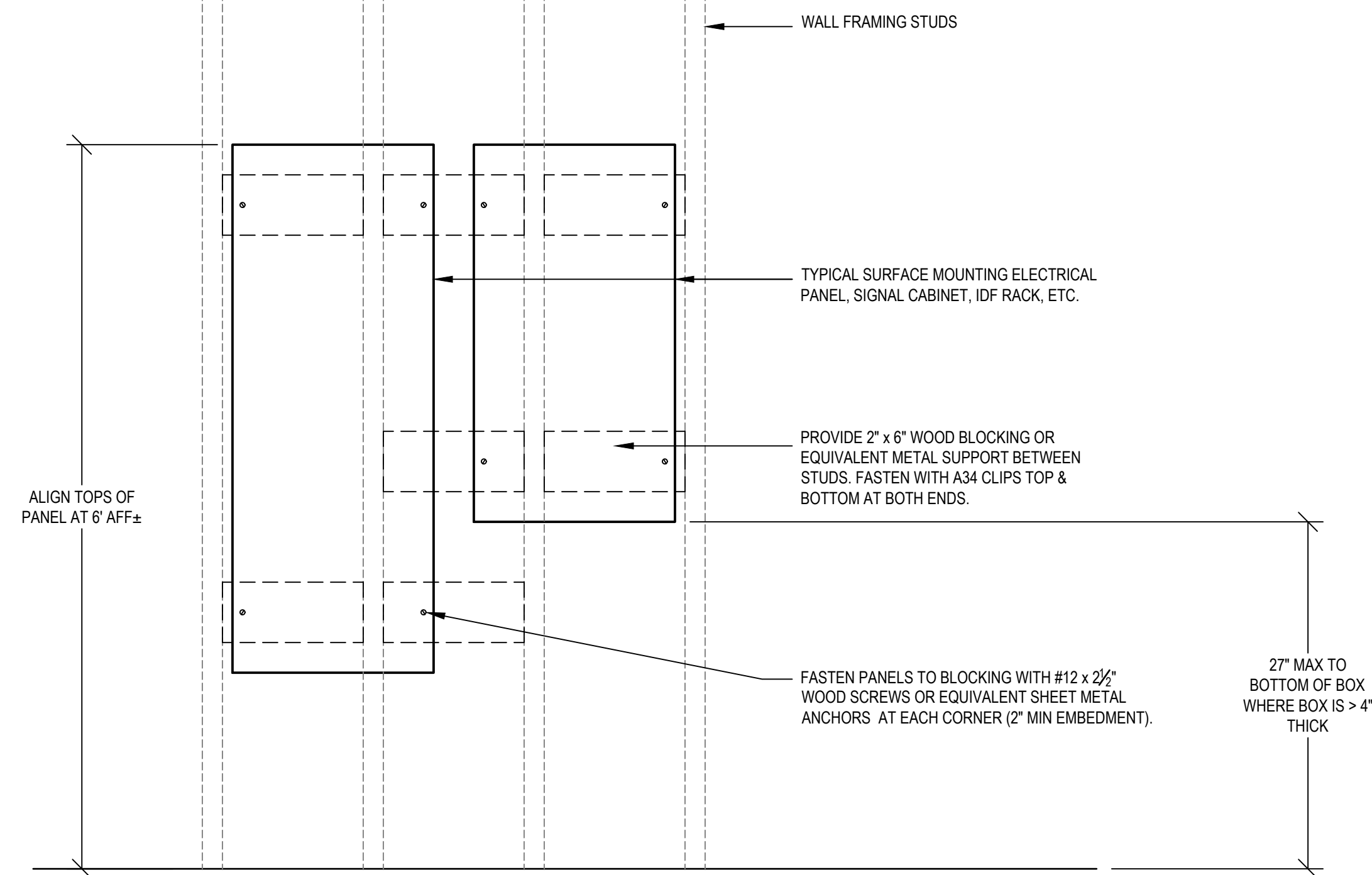
Title
ELECTRICAL DETAILS 1

Size
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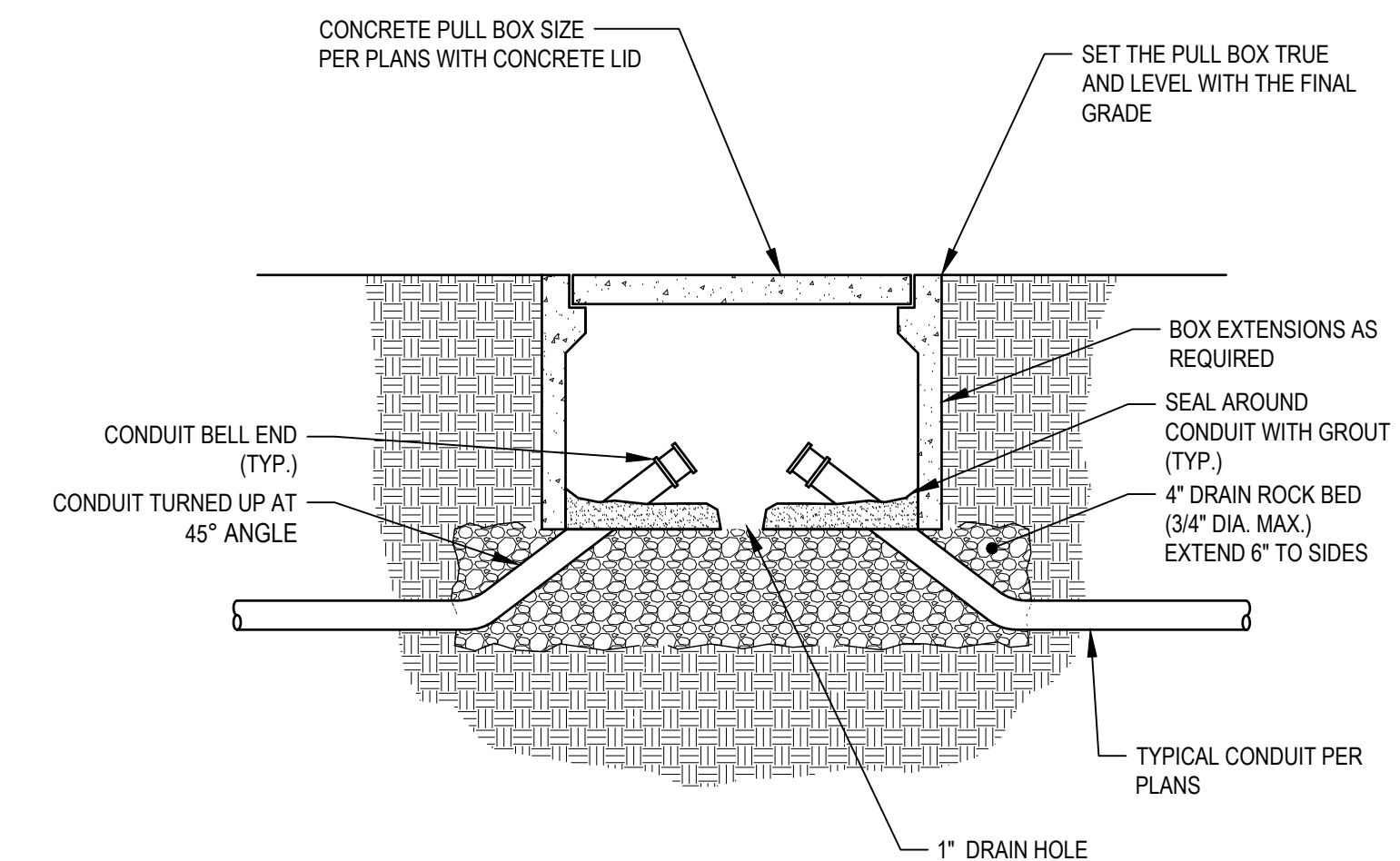
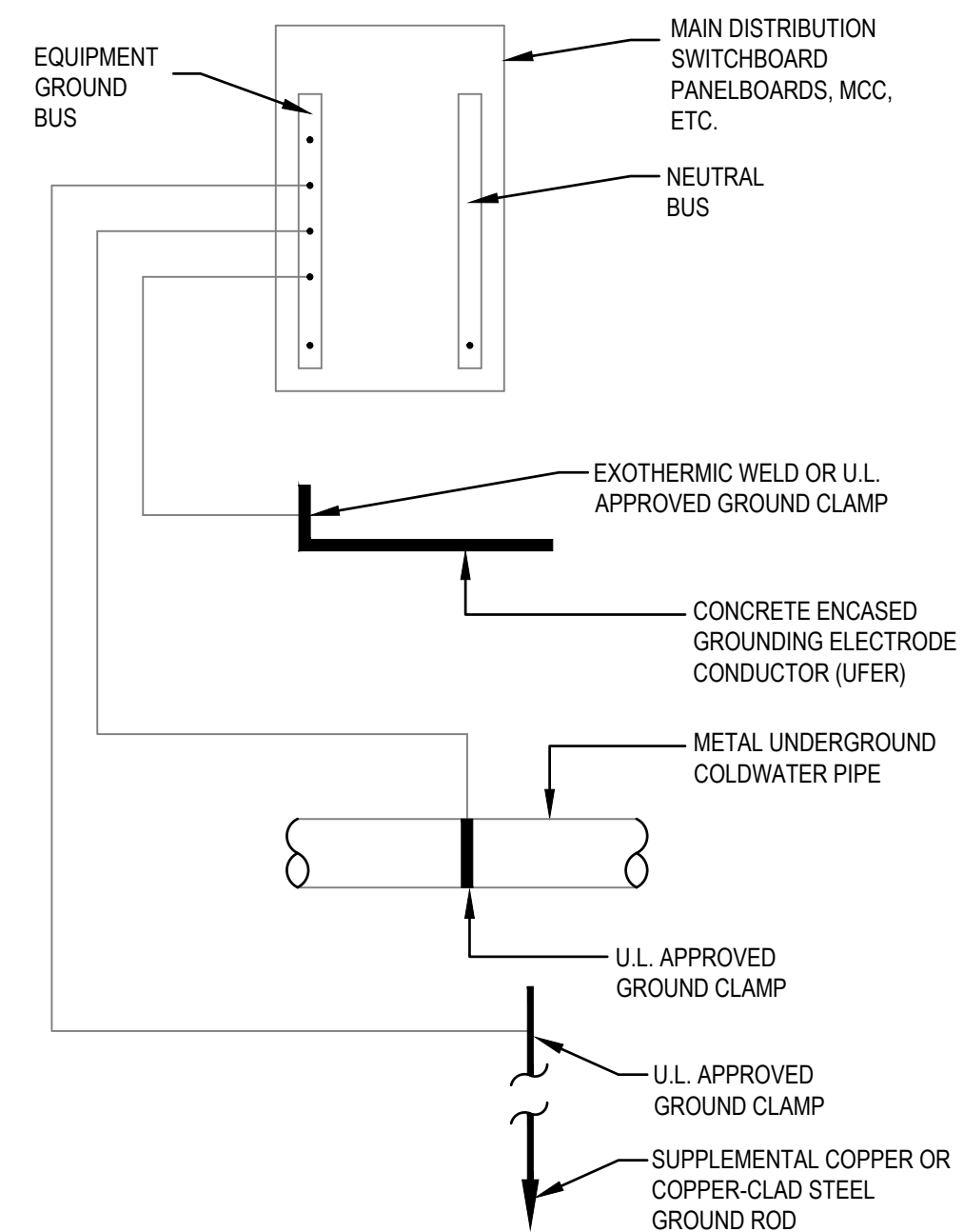
Status Code

Project No. **11220281** Date **December 1, 2023** Scale **NOT TO SCALE**

Sheet No. **E-501** Sheet **95 of 195**



- NOTES:
- FOR EQUIPMENT EXCEEDING 42" IN HEIGHT PROVIDE ADDITIONAL BLOCKING AT MIDDLE OF PANEL.
 - MAX WEIGHT OF ELECTRICAL PANEL BOARDS AND CABINETS NOT TO EXCEED 200 LBS



1 TYPICAL SURFACE MOUNT ELECTRICAL EQUIPMENT

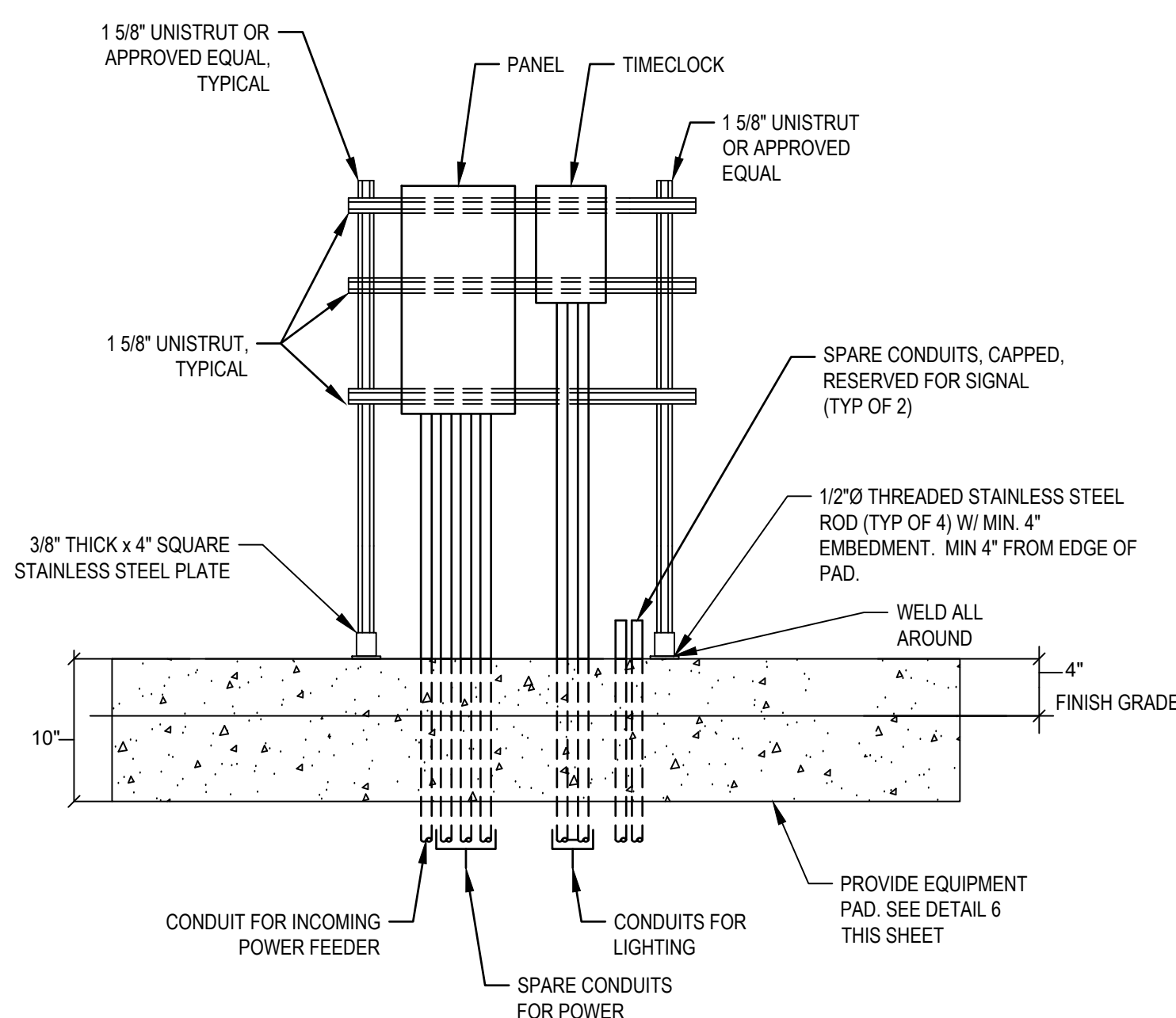
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2 TYPICAL BUILDING GROUNDING ELECTRODE SYSTEM

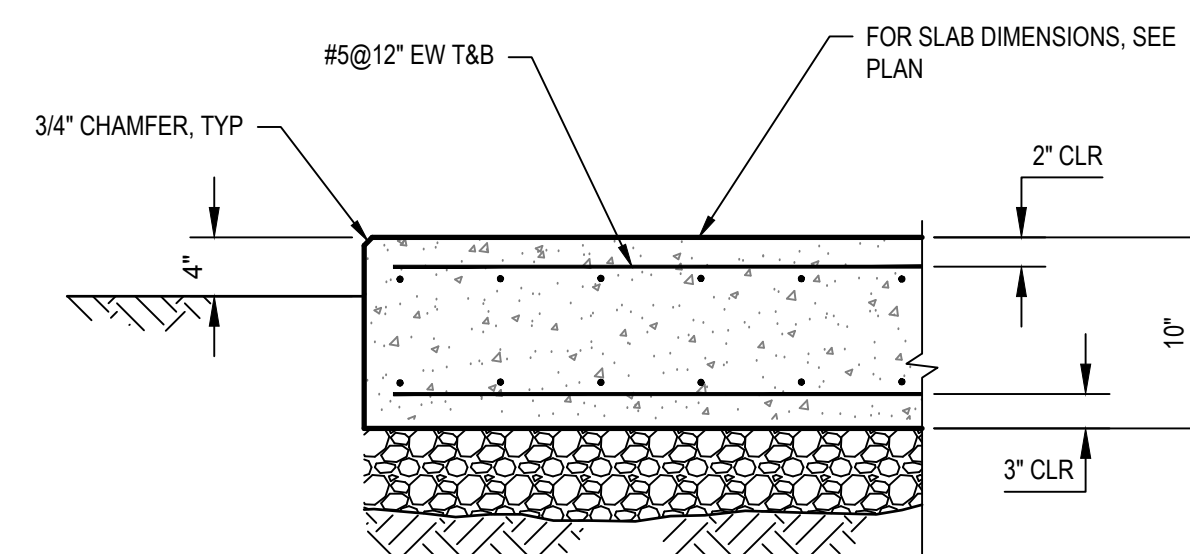
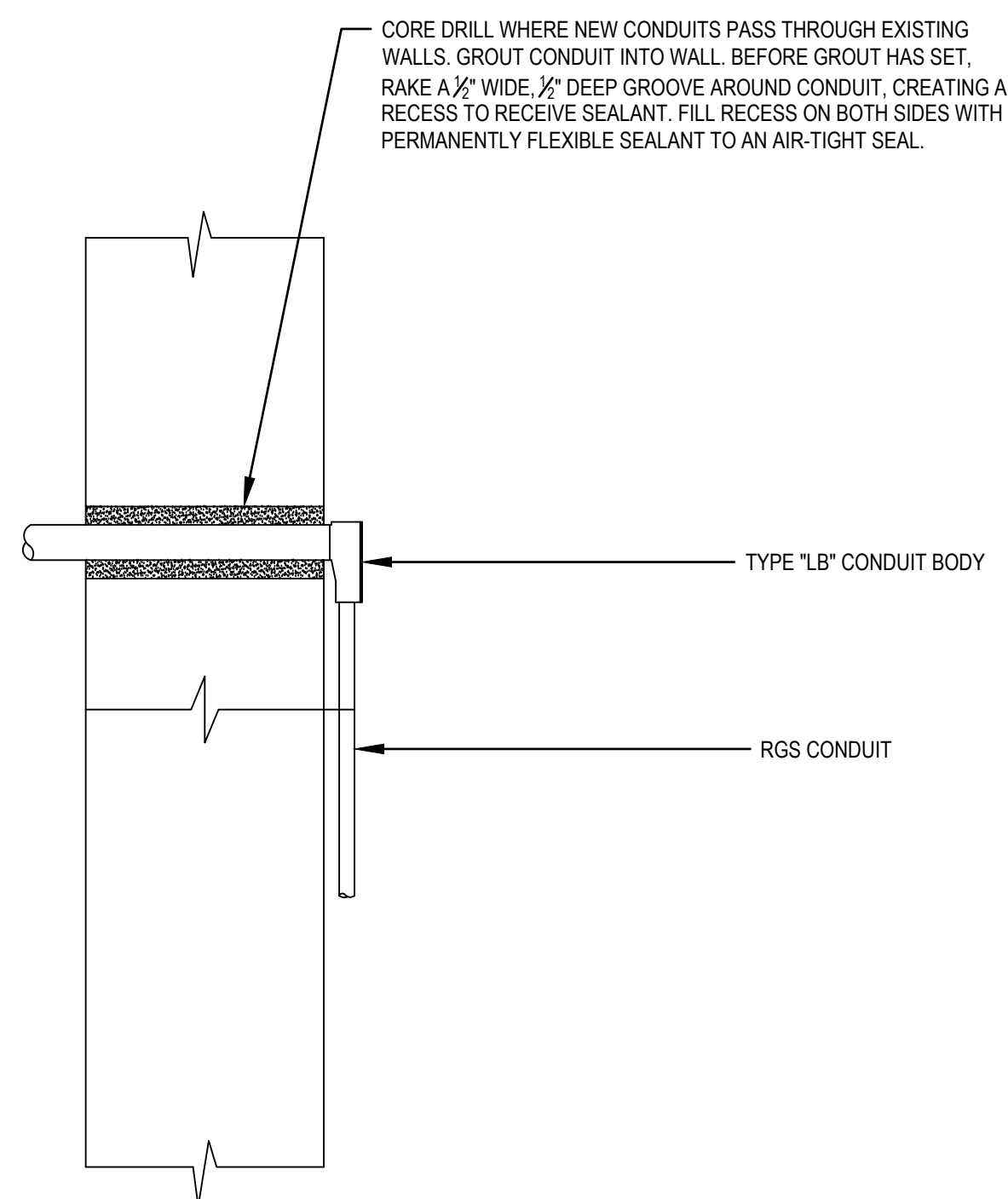
NOT TO SCALE

3 TYPICAL PULL BOX FOR TELECOMM OR LOW VOLTAGE POWER

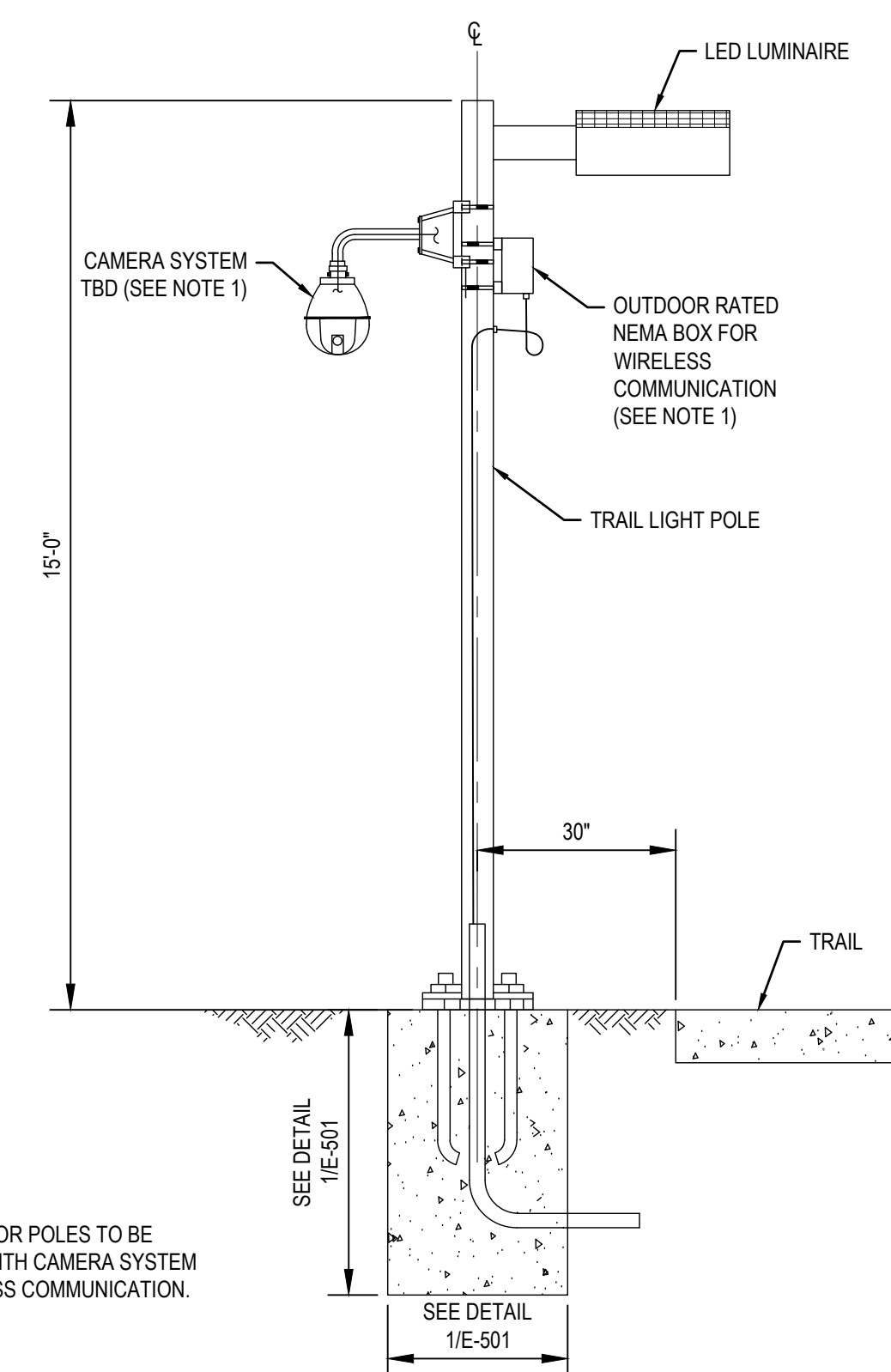
NOT TO SCALE



- NOTES:
- COORDINATE SIZE OF FRAME AND PAD WITH ACTUAL DIMENSIONS OF ENCLOSURES AS SHIPPED.
 - ALL STRUT, HARDWARE, BOXES, AND ACCESSORIES SHALL BE STAINLESS STEEL.



- NOTES:
- FOUNDATION MATERIAL UNDER SLAB SHALL INCLUDE 6" OF CLASS 2 AB, MEETING THE REQUIREMENTS OF CALTRANS STANDARD SPECIFICATIONS SECTION 26 FOR 3/4-INCH MAXIMUM GRADING, COMPACTED TO 95% MDD IN ACCORDANCE WITH ASTM D 1557. CONTRACTOR SHALL SUBMIT MATERIAL TO ENGINEER FOR APPROVAL.
 - USE THIS DETAIL FOR TYPICAL EXTERIOR SLAB ON GRADE UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO PROVIDE FIELD DENSITY AND COMPACTION REPORTS. IN CASE COMPACTION TESTS SHOW NONCOMPLIANCE WITH REQUIREMENTS, THE CONTRACTOR SHALL ACCOMPLISH SUCH REMEDY AS MAY BE REQUIRED TO ENSURE COMPLIANCE. SUBSEQUENT TESTING TO SHOW COMPLIANCE SHALL BE BY A TESTING LABORATORY SELECTED BY THE CITY AND SHALL BE AT THE CONTRACTOR'S EXPENSE.
 - DO NOT PLACE SUBGRADE OR FOUNDATION MATERIAL UNDER SLAB DURING PERIODS OF HEAVY RAINFALL WHEN SOIL MOISTURE CONDITIONS WILL NOT PERMIT ACHIEVING REQUIRED COMPACTION.
 - MINIMUM DISTANCE FROM CENTER OF ANCHOR BOLT TO EDGE OF SLAB SHALL BE 6 INCHES.
 - CONTRACTOR TO CONFIRM ALL PAD DIMENSIONS BASED ON ACTUAL EQUIPMENT ORDERED PRIOR TO FABRICATION.



- NOTE:
- SEE PLANS FOR POLES TO BE INSTALLED WITH CAMERA SYSTEM AND WIRELESS COMMUNICATION.

4 UNISTRUT ENCLOSURE /EQUIPMENT SUPPORT

NOT TO SCALE

5 TYPICAL EXTERIOR WALL PENETRATION

NOT TO SCALE

6 EXTERIOR SLAB ON GRADE

NOT TO SCALE

7 TRAIL LIGHT POLE AND SECURITY CAMERA MOUNTING

NOT TO SCALE

No.	Issue	Checked	Approved	Date
Author	EAO	Drafting Check	CAR	Project Manager
Designer	EAO	Design Check	CAR	Project Director
				L. VAN PARYS
				K. VEDULA



Bar is one inch on original size sheet

0 1"



GHD Inc.
2200 21st Street
Sacramento California 95818 USA
T 1 916 372 6606 F 1 916 372 6616



Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Project No.
11220281

Date
December 1, 2023

Scale
NOT TO SCALE

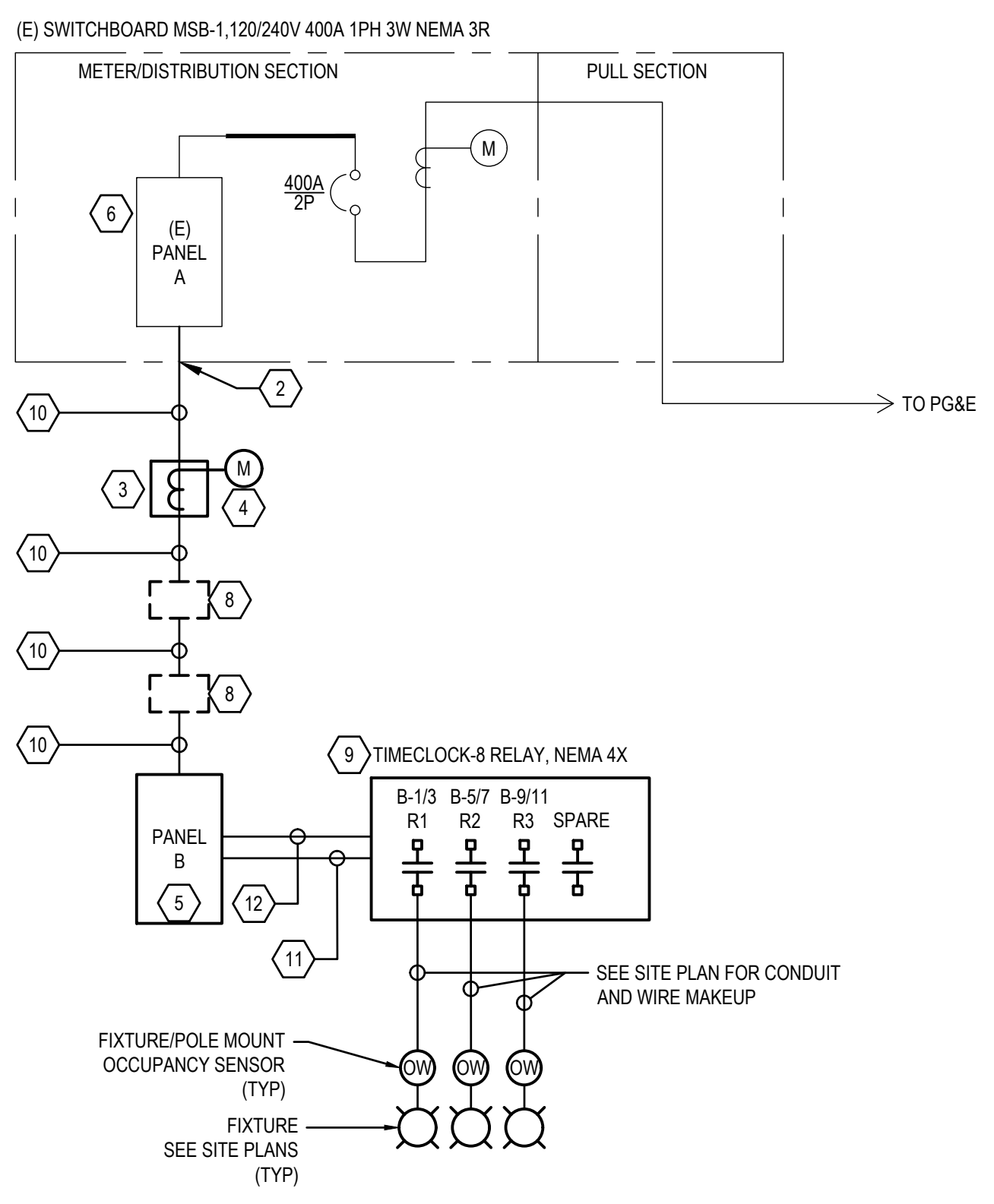
Title
ELECTRICAL DETAILS 2

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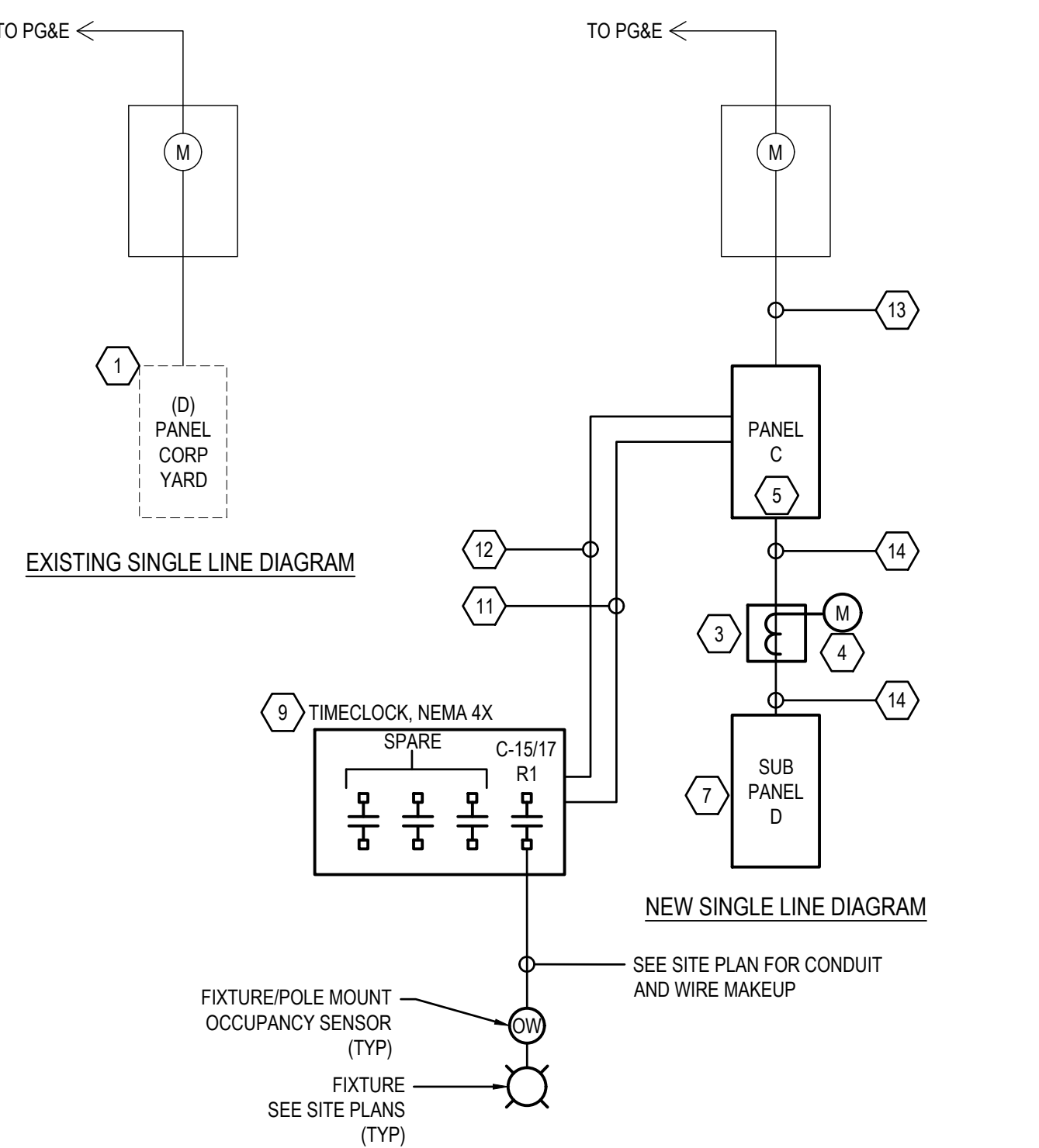
Status Code

Sheet No.
E-502

Sheet
96 of 195



1 GARDEN CENTER SINGLE LINE DIAGRAM
SCALE: NONE



2 CORP YARD SINGLE LINE DIAGRAM
SCALE: NONE

PANEL SCHEDULE

CKT NO.	USE	DESCRIPTION	BKR SIZE	CKT KVA	CKT AMPS	WIRE SIZE	WIRE LENGTH (FT)	VOLTAGE DROP %	PHASE	VOLTAGE DROP %	WIRE LENGTH (FT)	WIRE SIZE	CKT AMPS	CKT KVA	BKR SIZE	DESCRIPTION	USE	CKT NO.					
1	H	E AC PANEL #1	100/2		6.00	10	100	0.53	A							SPACE		2					
3	H		100/2						B							SPACE		4					
5	H	E MIDDLE AC PANEL #2	100/2						A							100/2	W AC PANEL #4	H	6				
7	H		100/2						B							100/2		H	8				
9	H	STORAGE BUILDING #7	50/2						A							100/2	W MIDDLE AC PANEL #3	H	10				
11	H		50/2						B							100/2		H	12				
13	P	PANEL B	60/2	1.50	12.50	6	175	0.82	A							20/1	UNMARKED LOAD	O	14				
15	P		60/2	1.50	12.50	6	175	0.82	B							20/1	UNMARKED LOAD	O	16				
17									A							30/2	UNMARKED LOAD	O	18				
19									B							30/2	UNMARKED LOAD	O	20				
21									A							100/2	PANEL #5	P	22				
23									B							100/2		P	24				
CONNECTED KVA			DEMAND KVA			DEMAND AMPS			USE LEGEND						VOLTAGE DROP CALCULATION								
PHASE A: 1.5			1.5			12.5			ID	LOAD TYPE	ASSUMED PF	VOLTAGE DROP IS BASED ON THE IEEE RED BOOK AND 2011 NEC CHAPTER 9 TABLE 9 FORMULA: VD = I * (R * PF + X * SIN(ACOS(PF))) * L						ASSUMPTIONS: POWER FACTOR CONDUIT TYPE WIRE MATERIAL VARIABLE BY LOAD TYPE					
PHASE B: 1.5			1.5			12.5			H	HVAC	0.85	WITH AN ADDITIONAL MULTIPLIER OF 2 FOR SINGLE PHASE AND 1.732 FOR 3-PHASE LOADS						R AND X VALUES ARE TAKEN FROM 2011 NEC CHAPTER 9 TABLE 9.					
									L	LIGHTING	0.80												
									M	MOTOR	0.85												
									R	RECEPTACLE	0.80												
									P	PANEL	0.85												
									O	OTHER	0.85												
STD DEMAND LOAD BASED ON 125% OF THE LARGEST MOTOR AND 100% OF THE REMAINING MOTORS, 125% OF CONTINUOUS LOADS, 100% OF NONCONTINUOUS LOADS, AND 50% OF RECEPTACLE LOADS BEYOND THE FIRST 10KVA																							

PANEL SCHEDULE

CKT NO.	USE	DESCRIPTION	BKR SIZE	CKT KVA	CKT AMPS	WIRE SIZE	WIRE LENGTH (FT)	VOLTAGE DROP %	PHASE	VOLTAGE DROP %	WIRE LENGTH (FT)	WIRE SIZE	CKT AMPS	CKT KVA	BKR SIZE	DESCRIPTION	USE	CKT NO.					
1	L	TRAIL LIGHTING	20/2	0.39	3.25	10	800	2.16	A	0.05	10	12	1.67	0.20	20/1	TIMECLOCK	L	2					
3	L		20/2	0.39	3.25	10	800	2.16	B						20/1	SPARE		4					
5	L	TRAIL LIGHTING	20/2	0.46	3.79	10	800	2.52	A						20/1	SPARE		6					
7	L		20/2	0.46	3.79	10	800	2.52	B						20/1	SPARE		8					
9	L	TRAIL LIGHTING	20/2	0.39	3.25	10	800	2.16	A						20/1	SPARE		10					
11	L		20/2	0.39	3.25	10	800	2.16	B						20/1	SPARE		12					
CONNECTED KVA			DEMAND KVA			DEMAND AMPS			USE LEGEND						VOLTAGE DROP CALCULATION								
PHASE A: 1.4			1.8			14.9			ID	LOAD TYPE	ASSUMED PF	VOLTAGE DROP IS BASED ON THE IEEE RED BOOK AND 2011 NEC CHAPTER 9 TABLE 9 FORMULA: VD = I * (R * PF + X * SIN(ACOS(PF))) * L						ASSUMPTIONS: POWER FACTOR CONDUIT TYPE WIRE MATERIAL VARIABLE BY LOAD TYPE					
PHASE B: 1.2			1.5			12.9			H	HVAC	0.85	WITH AN ADDITIONAL MULTIPLIER OF 2 FOR SINGLE PHASE AND 1.732 FOR 3-PHASE LOADS						R AND X VALUES ARE TAKEN FROM 2011 NEC CHAPTER 9 TABLE 9.					
									L	LIGHTING	0.80												
									M	MOTOR	0.85												
									R	RECEPTACLE	0.80												
									P	PANEL	0.85												
									O	OTHER	0.85												
STD DEMAND LOAD BASED ON 125% OF THE LARGEST MOTOR AND 100% OF THE REMAINING MOTORS, 125% OF CONTINUOUS LOADS, 100% OF NONCONTINUOUS LOADS, AND 50% OF RECEPTACLE LOADS BEYOND THE FIRST 10KVA																							

PANEL SCHEDULE

CKT NO.	USE	DESCRIPTION	BKR SIZE	CKT KVA	CKT AMPS	WIRE SIZE	WIRE LENGTH (FT)	VOLTAGE DROP %	PHASE	VOLTAGE DROP %	WIRE LENGTH (FT)	WIRE SIZE	CKT AMPS	CKT KVA	BKR SIZE	DESCRIPTION	USE	CKT NO.					
1		UNMARKED LOAD	20/1						A						60/1	UNMARKED LOAD		2					
3			20/1						B						60/1			4					
5		UNMARKED LOAD	30/2						A						20/2	UNMARKED LOAD		6					
7			30/2						B						20/2			8					
9		UNMARKED LOAD	20/2						A						30/1	UNMARKED LOAD		10					
11			20/2						B						20/2			12					
13		UNMARKED LOAD	30/1						A						20/2	UNMARKED LOAD		14					
15	L	LIGHTS	20/2	0.14	1.13	10	350	0.33	B						20/1	SPARE		16					
17	L		20/2	0.14	1.13	10	350	0.33	A						20/1	SPARE		18					
19	P	PANEL D	100/2	8.00	66.67	1	10	0.09	B						20/1	SPARE		20					
21	P		100/2	8.00	66.67	1	10	0.09	A						20/1	SPARE		22					
23	L	TIMECLOCK	20/1	0.20	1.67	12	10	0.05	B						20/1	SPARE		24					
CONNECTED KVA			DEMAND KVA			DEMAND AMPS			USE LEGEND						VOLTAGE DROP CALCULATION								
PHASE A: 8.1			8.2			68.1			ID	LOAD TYPE	ASSUMED PF	VOLTAGE DROP IS BASED ON THE IEEE RED BOOK AND 2011 NEC CHAPTER 9 TABLE 9 FORMULA: VD = I * (R * PF + X * SIN(ACOS(PF))) * L						ASSUMPTIONS: POWER FACTOR CONDUIT TYPE WIRE MATERIAL VARIABLE BY LOAD TYPE					
PHASE B: 8.3			8.4			70.2			H	HVAC	0.85	WITH AN ADDITIONAL MULTIPLIER OF 2 FOR SINGLE PHASE AND 1.732 FOR 3-PHASE LOADS						R AND X VALUES ARE TAKEN FROM 2011 NEC CHAPTER 9 TABLE 9.					
									L	LIGHTING	0.80												
									M	MOTOR	0.85												
									R	RECEPTACLE	0.80												
									P	PANEL	0.85												
									O	OTHER	0.85												
STD DEMAND LOAD BASED ON 125% OF THE LARGEST MOTOR AND 100% OF THE REMAINING MOTORS, 125% OF CONTINUOUS LOADS, 100% OF NONCONTINUOUS LOADS, AND 50% OF RECEPTACLE LOADS BEYOND THE FIRST 10KVA																							

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP TYPE	COLOR TEMP	BALLAST/DRIVER	FIXTURE LUMENS	FIXTURE WATTS	MOUNTING	NOTES
A	POLE TOP LED	KIM LIGHTING	UR20-24L65-3K7-2-UNV-SCH-R/240/BL	LED	3000K	0-10V DRIVER	3,000	65	POLE-15 FEET	PROVIDE 15' (UON) TALL 4" ROUND STRAIGHT STEEL POLE BY FIXTURE MANUFACTURER PROVIDE POLE MOUNTED W/REED OCCUPANCY SENSOR(SCH-R4-UNV-BL) BY FIXTURE MANUFACTURER.
B	BRIDGE UNDER PASS FIXTURE	KIM LIGHTING	PGL8-5R-128L-35-3K8-UNV-BLS	LED	3000K	0-10V DRIVER	4,500	35	SURFACE	

NOTES:
1. REFER TO SPEC SECTION 26 09 23 FOR LIGHTING CONTROL SEQUENCE OF OPERATIONS

- SHEET GENERAL NOTES**
- REFER TO SITE PLAN FOR LOCATION OF EQUIPMENT.
 - PROVIDE RGS CONDUIT FOR ALL ABOVE GROUND ROUTING.
 - PROVIDE CONDUIT IN TRENCH FOR ALL UG CONDUIT PER DETAIL 3 ON SHEET E-501.

- SHEET KEYNOTES**
- DISCONNECT AND REMOVE BRANCH CIRCUIT PANEL AT CORP YARD. PRESERVE FEEDERS AND CIRCUITS, PREPARE TO RECONNECT TO NEW PANEL.
 - PROVIDE WEATHER PROOF PENETRATION ON SIDE OF MSB ENCLOSURE. PROVIDE LB FITTING FOR CONDUIT TO PANEL-B.
 - PROVIDE 18-INCH X 12-INCH X 6-INCH DEEP NEMA 4X JUNCTION BOX FOR CURRENT/POTENTIAL TRANSFORMERS.
 - PROVIDE DIGITAL POWER METER EMON DEMON CLASS 1000 OR EQUAL.
 - PROVIDE BRANCH PANEL WITH CIRCUIT BREAKERS AND FEATURES AS SHOWN ON PANEL SCHEDULE.
 - PROVIDE 60A/2P BREAKER IN PANEL A.
 - PROVIDE 24 CIRCUIT 100A 240/120V 1PH 3W. NEMA 4X ENCLOSURE BRANCH PANEL. PROVIDE (2) 20A/2P AND (12) 20A/1P BREAKERS IN PANEL. SPLICE LOAD FEEDERS FROM TENANT SHOP AND EXTEND AND CONNECT LOADS TO NEW PANEL.
 - PROVIDE PULL BOX AS SHOWN ON SITE PLAN.
 - PROVIDE 4 RELAY ASTRONOMICAL TIME CLOCK IN NEMA 4X ENCLOSURE. MANUFACTURER TORK DZS SERIES OR APPROVED EQUAL. CONNECT TRAIL LIGHTING VIA TIMECLOCK RELAY.
 - PROVIDE 60-A FEEDER CONSISTING OF (2) #6 AWG, #10 GND IN 1-1/2-INCH RGS CONDUIT. TRANSITION TO 2-INCH HDPE CONDUIT FOR UG ROUTING.
 - PROVIDE 120V POWER CIRCUIT TO TIME CLOCK CONSISTING OF (2) #12 AWG, #10 GND IN 3/4-INCH RGS CONDUIT.
 - PROVIDE 1" RGS CONDUIT. ROUTE LIGHTING POWER CIRCUITS VIA THIS CONDUIT TO TIMECLOCK.
 - RECONNECT POWER SERVICE FEEDERS TO NEW PANEL. COORDINATE TEMPORARY POWER SERVICE SHUT OFF WITH LOCAL UTILITY COMPANY.
 - PROVIDE 100-A FEEDER CONSISTING OF (2) #1 AWG, #8 GND IN 1-1/2-INCH RGS CONDUIT.

No.	Issue	Checked	Approved	Date
Author	EAO/JVL	Drafting Check	CAR	Project Manager
Designer	EAO	Design Check	CAR	Project Director
		L. VAN PARYS		
		K. VEDULA		

				Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	ELECTRICAL SINGLE LINE DIAGRAMS AND SCHEDULES	Size ANSI D
				Project FORTAG TRAIL PROJECT		
				Project No. 11220281	Date December 1, 2023	Scale NONE
				Project No. 11220281	Date December 1, 2023	Scale NONE
Conditions of Use This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.				Project No. 11220281	Date December 1, 2023	Scale NONE
Plot Date: 21 November 2023 - 12:41 PM Plotted by: Alice Park Path and Filename: N:\US\Roseville\Projects\5611\22028106 - Digital_Design\ACAD 2020\Sheets\11220281-GHD-EL-SCH-0601.dwg				Project No. 11220281	Date December 1, 2023	Scale NONE
				Project No. E-601	Date	Scale
				Project No.	Date	Scale

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 1 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

A. GENERAL INFORMATION

01 Project Location (city) Del Rey Oaks
02 Climate Zone 04 Total Illuminated Hardscape Area (ft²) 40529

03 Outdoor Lighting Zone per Title 24 Part 1.10.114 or as designated by Authority Having Jurisdiction (AHJ):
 Z-0: Very Low - Undeveloped Parkland
 Z-1: Low - Rural Areas
 Z-2: Moderate - Urban Clusters
 Z-3: Moderately High - Urban Areas
 Z-4: High - Must be reviewed by CA Energy Commission for Approval

05 Occupancy Types within Project
 All Other Occupancies

B. PROJECT SCOPE
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)(2) / 180.2(b)(4) for alterations.

My Project Consists of:

01 New Lighting System Must Comply with Allowances from 140.7 / 170.2(e)6
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? Yes No

03 % of Existing Luminaires Being Altered? 04 Sum Total of Luminaires Being Added or Altered 05 Calculation Method
 < 10% >= 10% and < 50% >= 50%

Please proceed to Table 6, Outdoor Lighting Fixture Schedule to define the project's luminaires.
 FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number: Generated Date/Time: Documentation Software: EnergyPro
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-4188-0323-0066 Report Generated: 2023-03-31 11:23:57

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 4 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

H. OUTDOOR LIGHTING CONTROLS
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (i.e. unaltered) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05
Area Description	Shut-Off 130.2(c)(1) / 160.5(c)	Auto-Schedule 130.2(c)(2) / 160.5(c)	Motion Sensor 130.2(c)(3) / 160.5(c)	Field Inspector
Fortag Trail	Astronomical Timer	Provided	Provided	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-4 to confirm compliance with the specific light source technologies listed.
 Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
 Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from H and II.

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 7 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Aly Young
 Company: GHD Inc
 Address: 2335 Mercury Way
 City/State/Zip: Santa Rosa CA 95407
 Signature Date: 2023-03-31
 CSW/HERS Certification Identification (if applicable):
 Phone: (707)523-1010

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Erick Osorio
 Company: GHD
 Address: 2335 Mercury Way
 City/State/Zip: Santa Rosa CA 95407
 Date Signed: 2023-03-31
 License: E23831
 Phone: (707)523-1010

Registration Number: Generated Date/Time: Documentation Software: EnergyPro
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STATE OF CALIFORNIA
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CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 2 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

C. COMPLIANCE RESULTS
Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table 2. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)(2) / 180.2(b)(4)Bv

01	02	03	04	05	06	07	08	09
General Hardscape Allowance 140.7(d)(1) / 170.2(e)6 (See Table J)	Per Application 140.7(d)(2) / 170.2(e)6 (See Table J)	Sales Frontage 140.7(d)(2) / 170.2(e)6 (See Table K)	Ornamental 140.7(d)(2) / 170.2(e)6 (See Table L)	Per Specific Area 140.7(d)(2) / 170.2(e)6 (See Table M)	Existing Power Allowance 141.0(b)(2) / 180.2(b)(4)Bv (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 must be >= 08
1,792	---	---	---	---	---	1,792	1,630	COMPLIES

Shielding Compliance (See Table G for Details) N/A
 Controls Compliance (See Table H for Details) COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 5 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7 A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7 B / Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA) Illuminated Area (ft ²)	Area Allowance Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (ft)	Linear Wattage Allowance (LWA) Allowed Density (W/ft)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)
Fortag Trail	40529	0.019	770.1	5478	0.2	821.7	1592

Initial Wattage Allowance for Entire Site (Watts): 200
 Instances of Initial Wattage Allowance (L2 0 only):
 Total General Hardscape Allowance (Watts): 1792

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 3 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)(2) only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. existing luminaires remaining or existing luminaires being moved are not included).
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)(1) ⁴	Field Inspector
A	Type A	<input type="checkbox"/> Linear 65	Mfr. Spec	24	New	<input type="checkbox"/>	1,560	NA: < 6200 lumens	<input type="checkbox"/>
B	Type B	<input type="checkbox"/> Linear 35	Mfr. Spec	2	New	<input type="checkbox"/>	70	NA: < 6200 lumens	<input type="checkbox"/>
							Total Design Watts:	1630	

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 EX: Luminaire is lighting a statue. EXCEPTION 2 to 130.2(b)

FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
 1 For linear luminaires, wattage should be indicated as W/ft instead of Watts/Luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
 2 Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
 3 Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)
This section does not apply to this project.

Registration Number: Generated Date/Time: Documentation Software: EnergyPro
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-4188-0323-0066 Report Generated: 2023-03-31 11:23:57

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTD-E
Project Name: Fortag Trail Project Report Page: (Page 6 of 7)
Project Address: 650 Canyon Del Rey Blvd Date Prepared: 3/31/2023

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCC-LTD-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

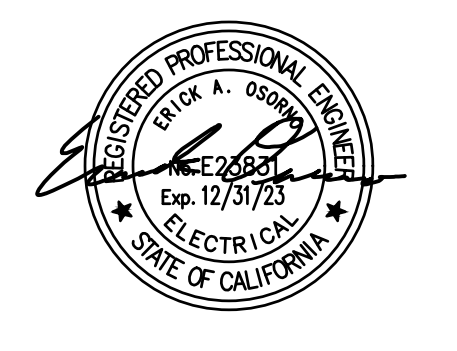
Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTD-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Fortag Trail

Registration Number: Generated Date/Time: Documentation Software: EnergyPro
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-4188-0323-0066 Report Generated: 2023-03-31 11:23:57

No.	Issue	Checked	Approved	Date	
Author	EAO	Drafting Check	CAR	Project Manager	L. VAN PARYS
Designer	EAO	Design Check	CAR	Project Director	K. VEDULA



Bar is one inch on original size sheet
 0 ————— 1"



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	NONE

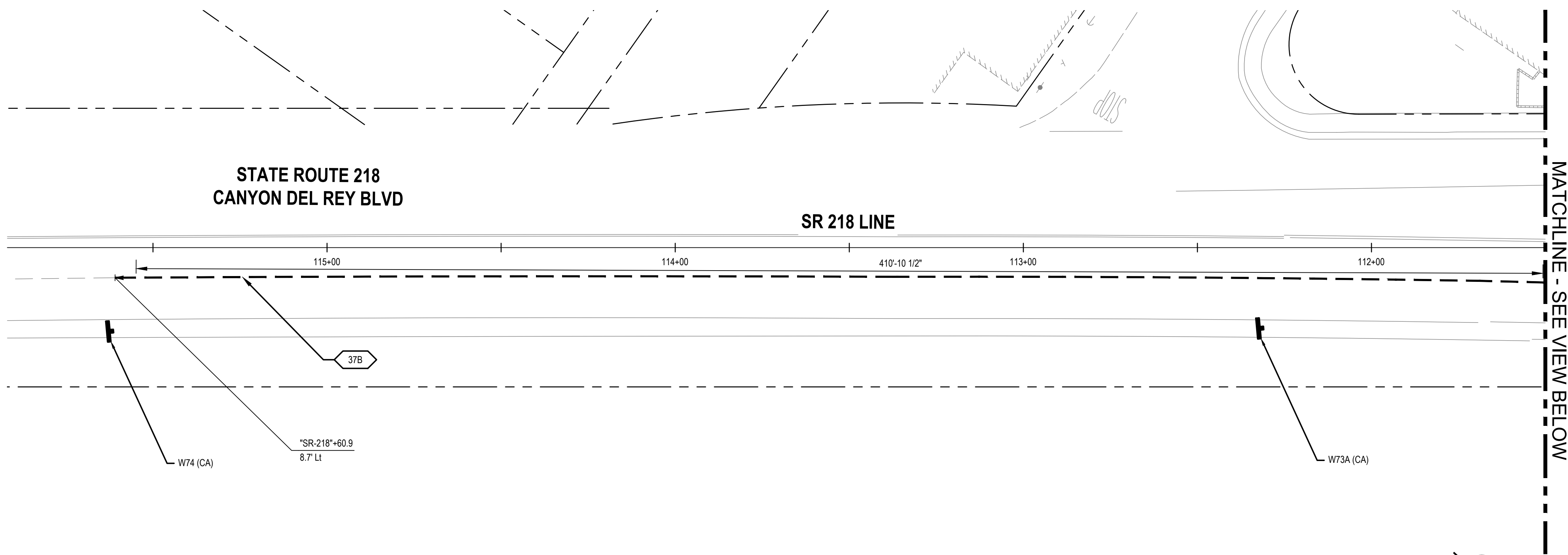
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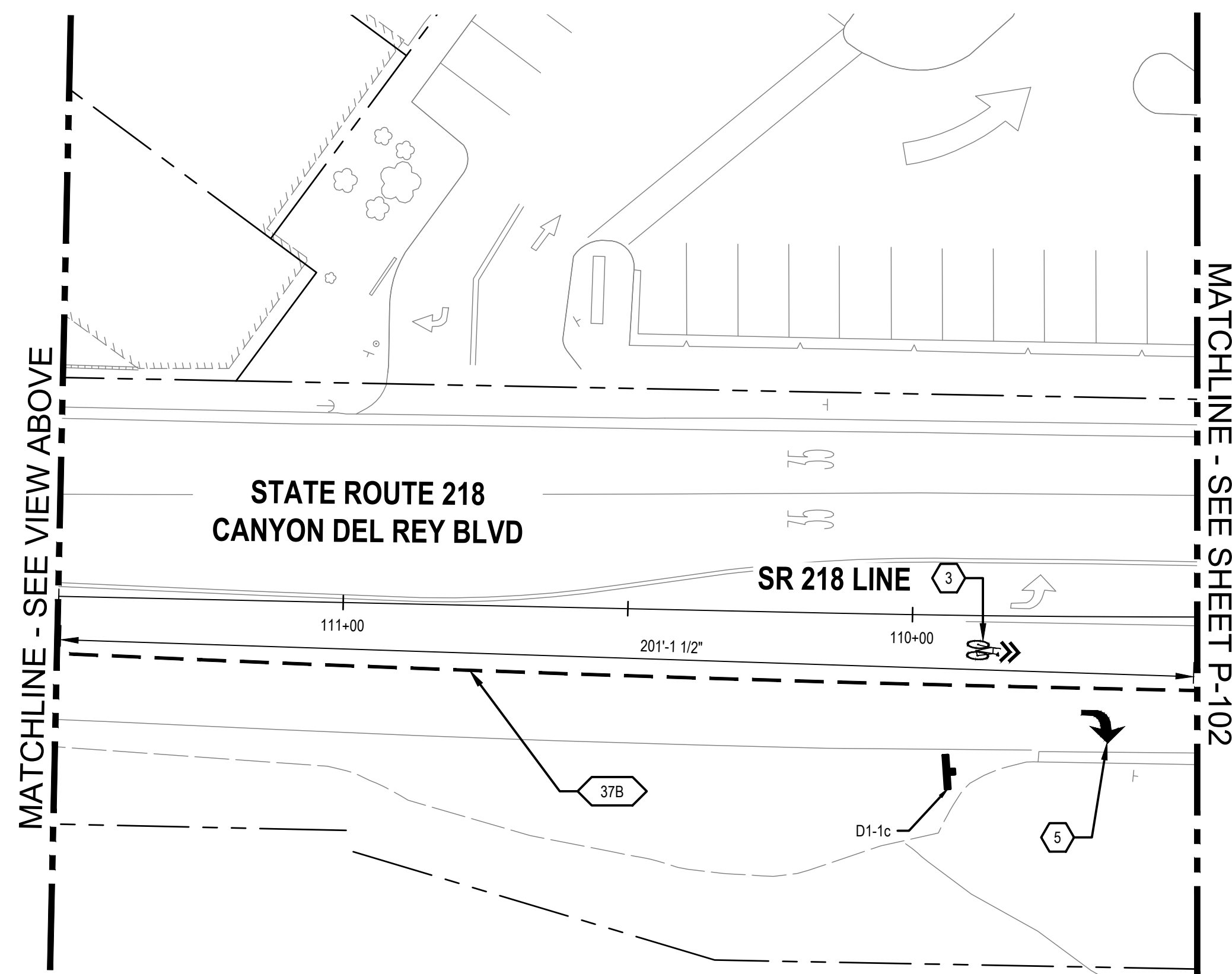
Status Code

Sheet No. E-701

Sheet 98 of 195



1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN

SHEET GENERAL NOTES

1. ALL STRIPING SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CALTRANS REVISED STANDARD PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL & REPLACEMENT OF EXISTING STRIPING & PAVEMENT MARKERS AS NECESSARY FOR NEW LAYOUT OF STRIPING & PAVEMENT MARKERS PER PLAN. CONTRACTOR SHALL LAYOUT ALL STRIPING & PAVEMENT MARKINGS IN THE FIELD 72 HOURS PRIOR TO PERMANENT INSTALLATION FOR APPROVAL BY ENGINEER.
3. CONTRACTOR MUST PROVIDE TEMPORARY PAVEMENT MARKERS UNTIL FINAL STRIPING IS INSTALLED.
4. ANY DELINEATION SHALL BE THERMOPLASTIC PER SECTION 84 OF CALTRANS STANDARDS SPECIFICATIONS UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL TRIM ANY BUSHES OR TREES WHICH COULD BLOCK SIGN VISIBILITY.

SIGN LEGEND

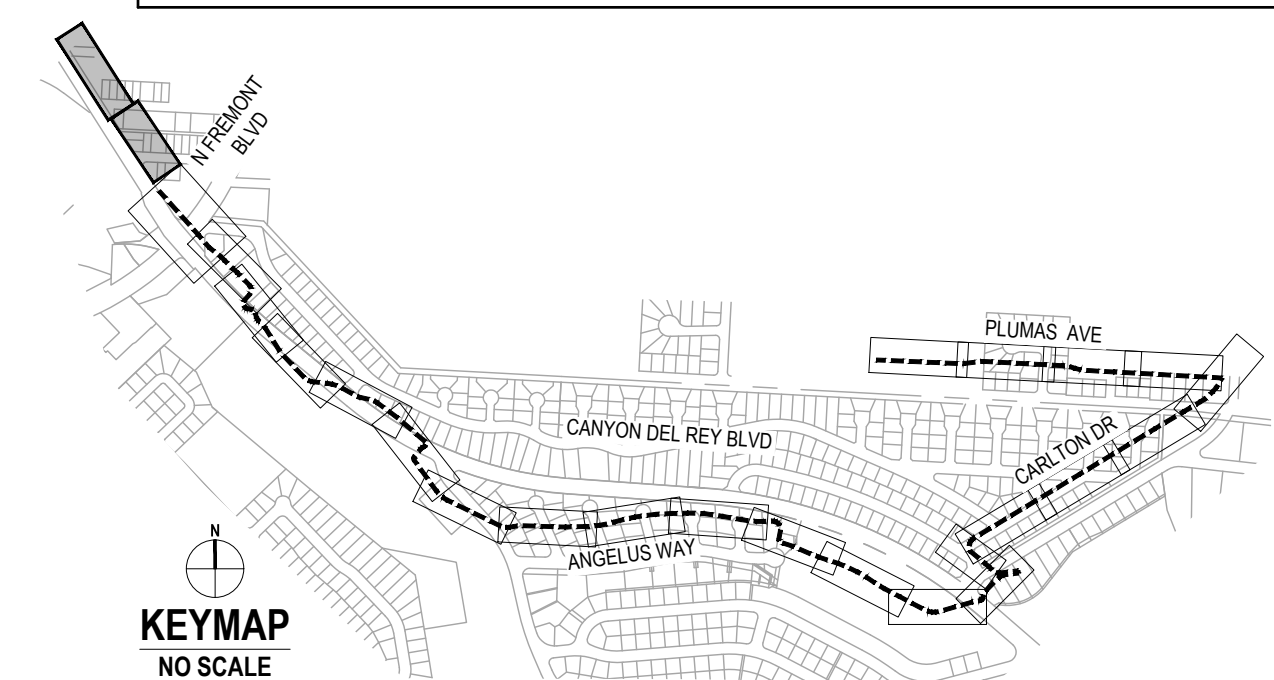
- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ⊥ ROADSIDE SIGN - ONE POST
- ⊥ ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
- EXISTING ROADSIDE SIGN - ONE POST
- EXISTING ROADSIDE SIGN - (SSBM)

STRIPING KEYNOTES

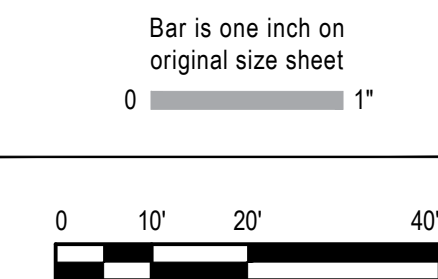
- XX PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
- LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING

PAVEMENT MARKING KEY NOTES

- 1 "YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
- 2 "STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
- 3 SHARED ROADWAY BICYCLE MARKING
- 4 TYPE I ARROW (10')
- 5 TYPE IV (L/R) ARROW
- 6 TYPE VII (L/R) ARROW
- 7 BIKE LANE SYMBOL WITHOUT PERSON AND BIKE LANE ARROW
- 8 BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
- 9 "BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
- 10 "25" PAVEMENT MARKING
- 11 "AHEAD" PAVEMENT MARKING
- CONTINENTAL CROSSWALK
- SOLID GREEN PAVEMENT ENHANCEMENT



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



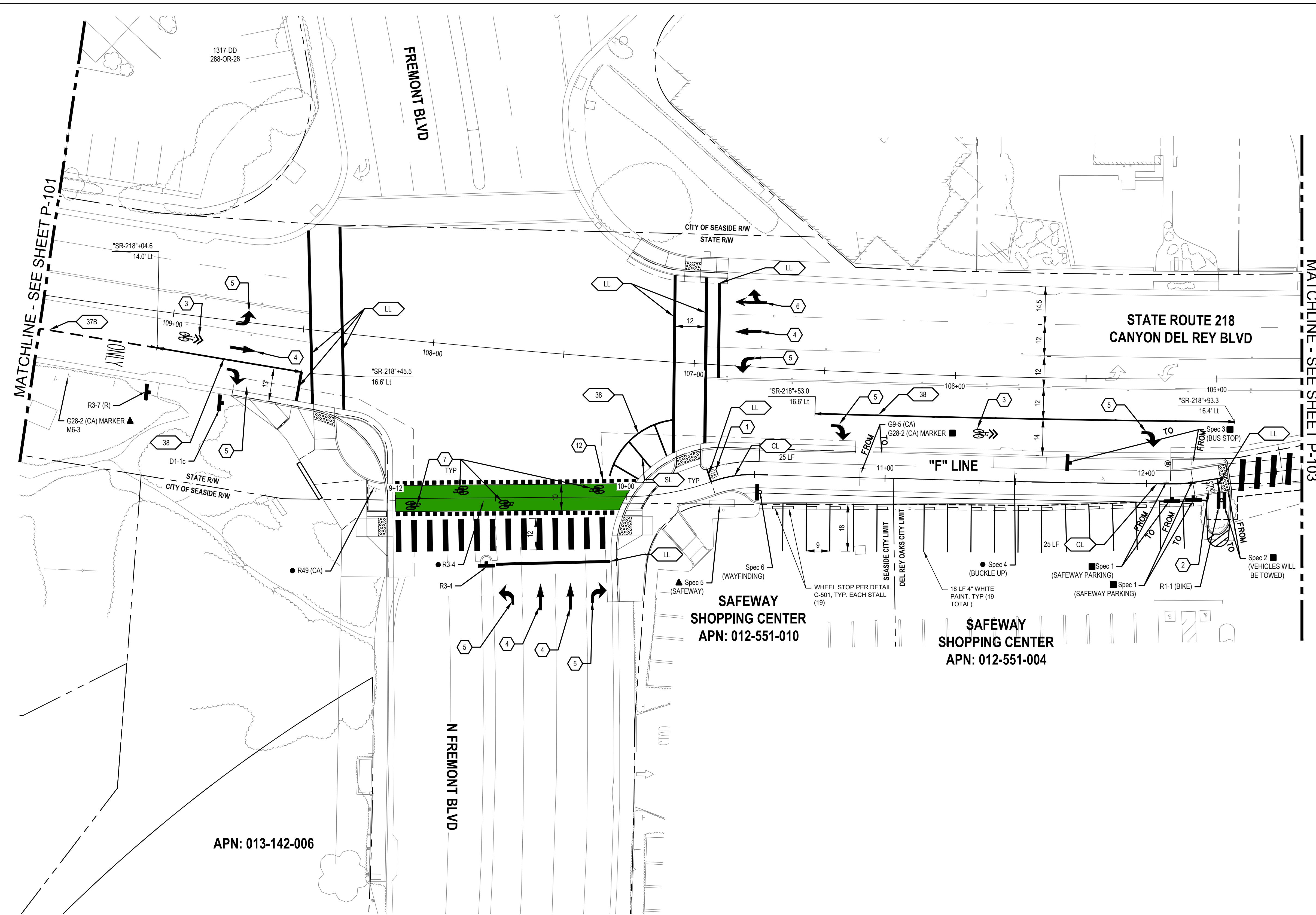
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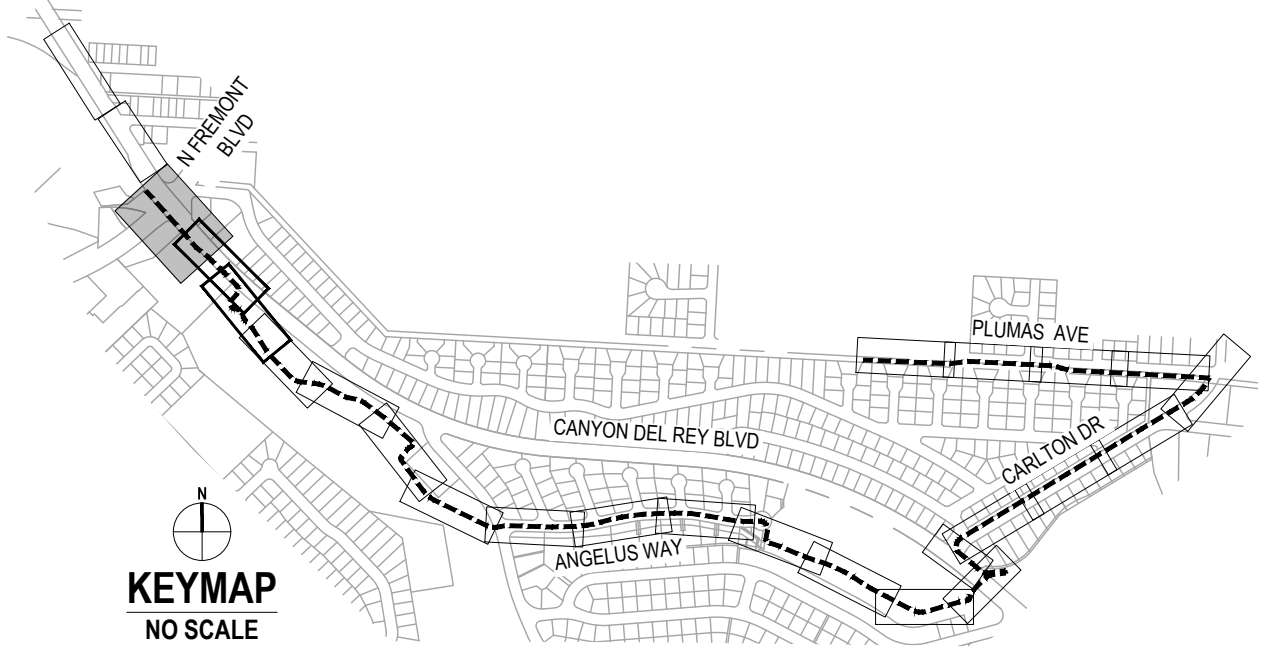
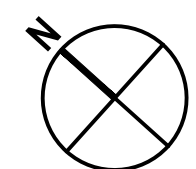
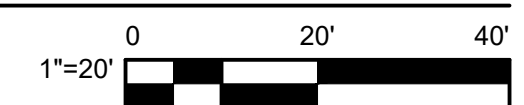
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 1
Size	ANSI D
Status Code	
Sheet No.	P-101
Sheet	99 of 195

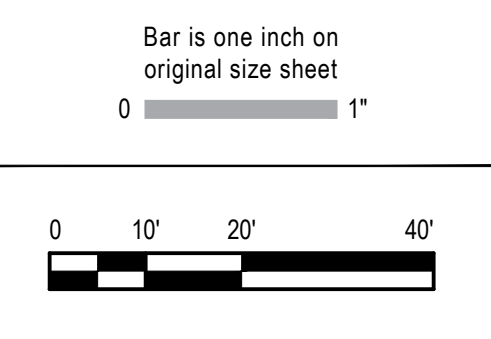


- SHEET GENERAL NOTES**
- SEE SHEET P-101
- SIGN LEGEND**
- ▲ EXISTING ROADSIDE SIGN TO REMAIN
 - REMOVE ROADSIDE SIGN
 - RELOCATE ROADSIDE SIGN
 - ⊥ ROADSIDE SIGN - ONE POST
 - ⊥ ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
 - ⊥ EXISTING ROADSIDE SIGN - ONE POST
 - ⊥ EXISTING ROADSIDE SIGN - (SSBM)
- STRIPING KEYNOTES**
- XX PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
 - LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING
 - SL 8" WHITE THERMOPLASTIC PAVEMENT MARKING
 - CL 4" YELLOW TWO COAT PAINT
- PAVEMENT MARKING KEY NOTES**
- 1 "YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
 - 2 "STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
 - 3 SHARED ROADWAY BICYCLE MARKING
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 - 6 TYPE VII (L/R) ARROW
 - 7 BIKE LANE SYMBOL WITHOUT PERSON
 - 8 BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
 - 9 "BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
 - 10 "25" PAVEMENT MARKING
 - 11 "AHEAD" PAVEMENT MARKING
 - 12 16" X 16" THERMOPLASTIC MARKINGS WITH 16" BETWEEN
 - 13 TWO-STAGE TURN BIKE BOX SEE DETAILS THIS SHEET
- ▬▬▬ CONTINENTAL CROSSWALK
- SOLID GREEN PAVEMENT ENHANCEMENT

1 IMPROVEMENT PLAN



No.	Issue	Author	EM	Drafting Check	SG	Checked	Approved	Date
		Designer	CO	Design Check	SG	Project Director	K. VEDULA	
		Project Manager	L. VAN PARYS					



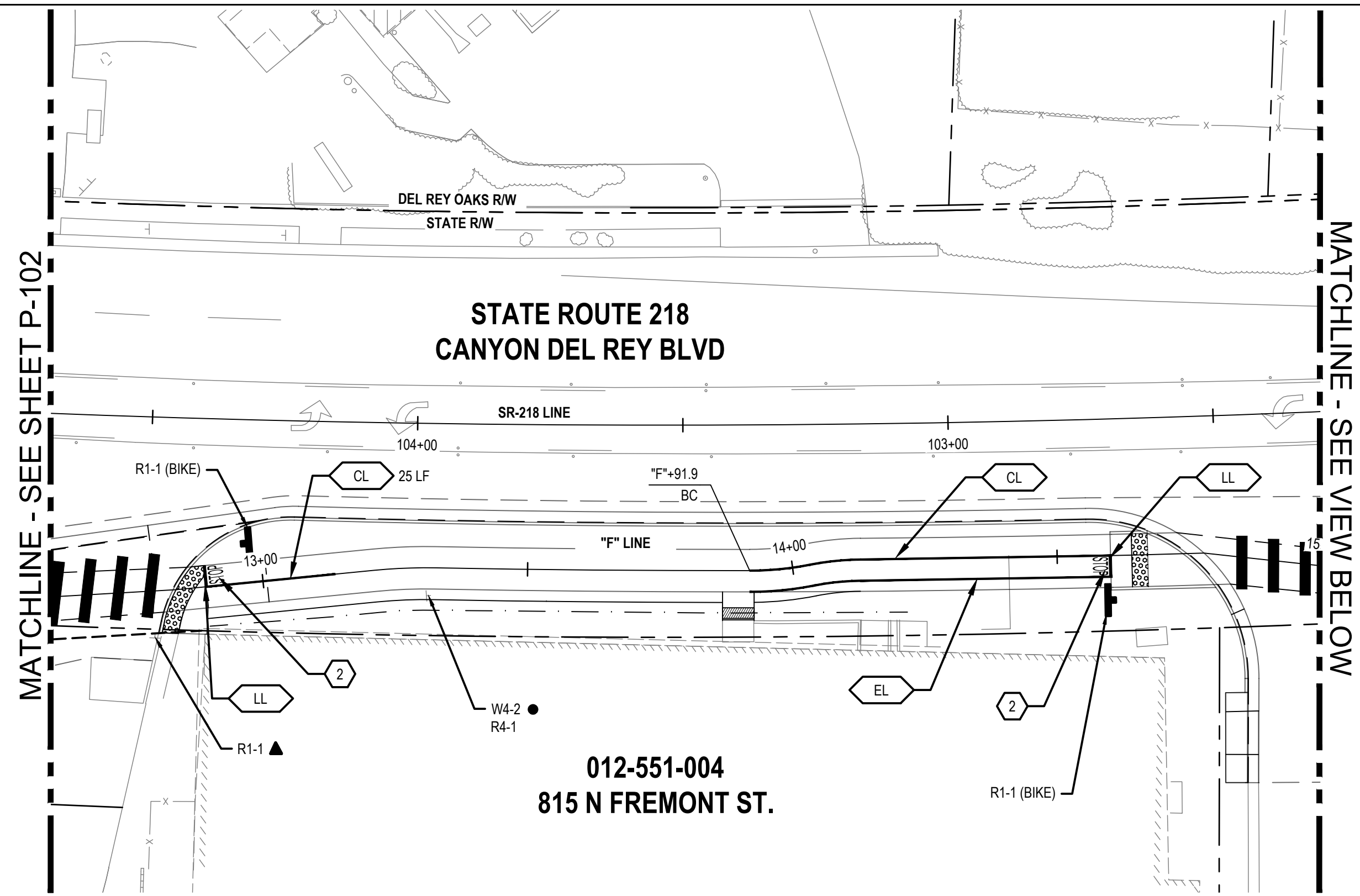
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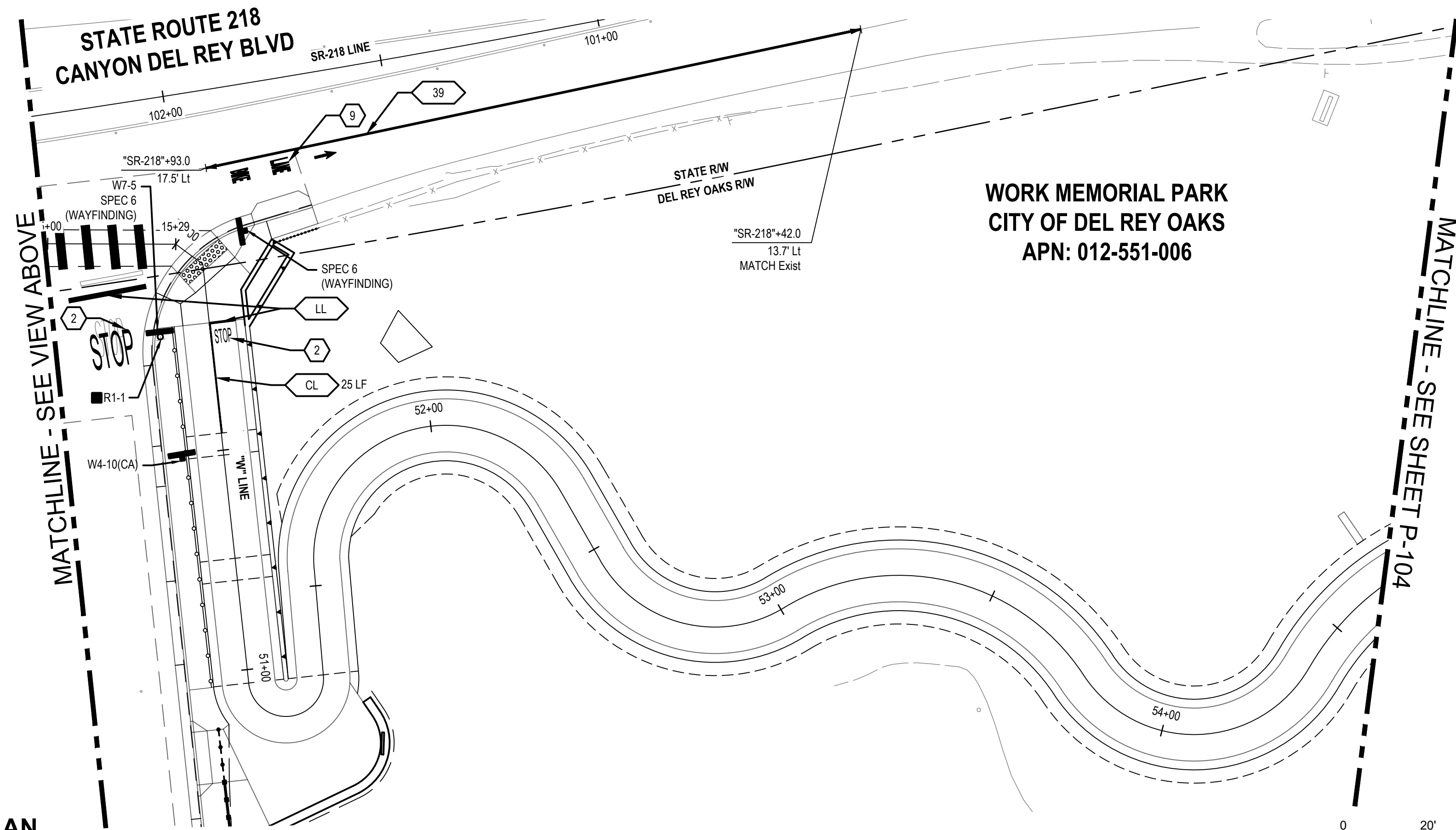


Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title SIGNAGE AND STRIPING PLAN - 2
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size ANSI D
Status Code
Sheet No. P-102
Sheet 100 of 195



1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN

SHEET GENERAL NOTES

SEE SHEET P-101

SIGN LEGEND

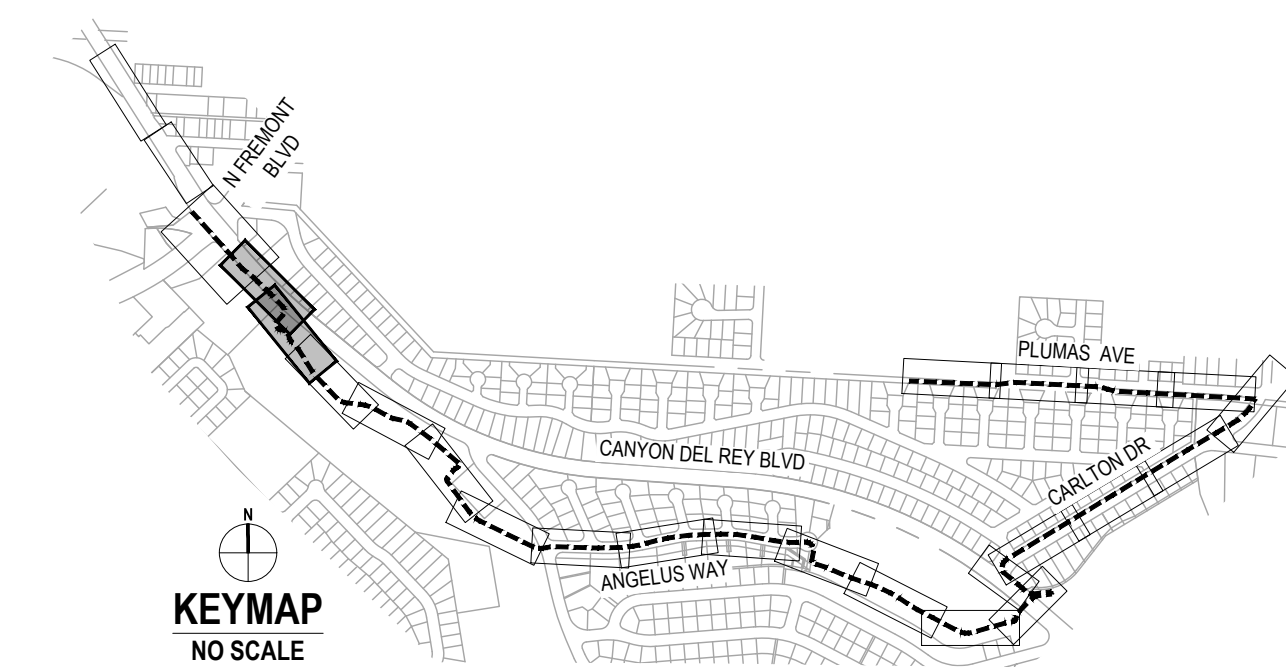
- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ROADSIDE SIGN - ONE POST
- ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
- EXISTING ROADSIDE SIGN - ONE POST
- EXISTING ROADSIDE SIGN - (SSBM)

STRIPING KEYNOTES

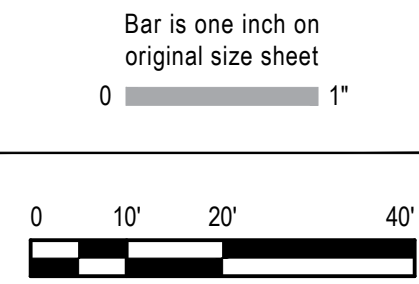
- XX PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
- LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING
- CL 4" YELLOW TWO COAT PAINT
- EL 4" WHITE TWO COAT PAINT

PAVEMENT MARKING KEY NOTES

- 1 "YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
 - 2 "STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
 - 3 SHARED ROADWAY BICYCLE MARKING
 - 4 TYPE I ARROW (10')
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 - 7 BIKE LANE SYMBOL WITHOUT PERSON
 - 8 BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
 - 9 "BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
 - 10 "25" PAVEMENT MARKING
 - 11 "AHEAD" PAVEMENT MARKING
- CONTINENTAL CROSSWALK
- SOLID GREEN PAVEMENT ENHANCEMENT



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 3
Size	ANSI D
Status Code	
Sheet No.	P-103
Sheet	101 of 195

SHEET GENERAL NOTES

SEE SHEET P-101

SIGN LEGEND

- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ROADSIDE SIGN - ONE POST
- ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
- EXISTING ROADSIDE SIGN - ONE POST
- EXISTING ROADSIDE SIGN - (SSBM)

STRIPING KEYNOTES

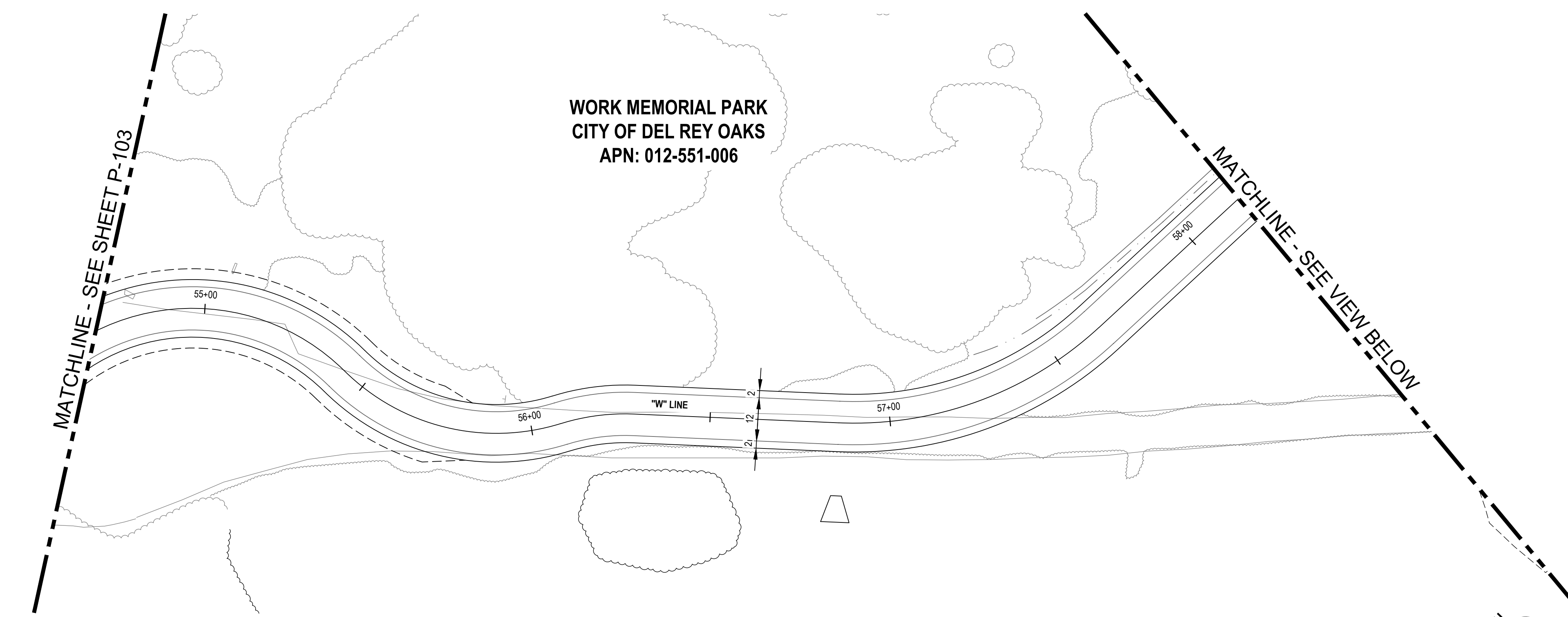
- xx PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
- LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING

PAVEMENT MARKING KEY NOTES

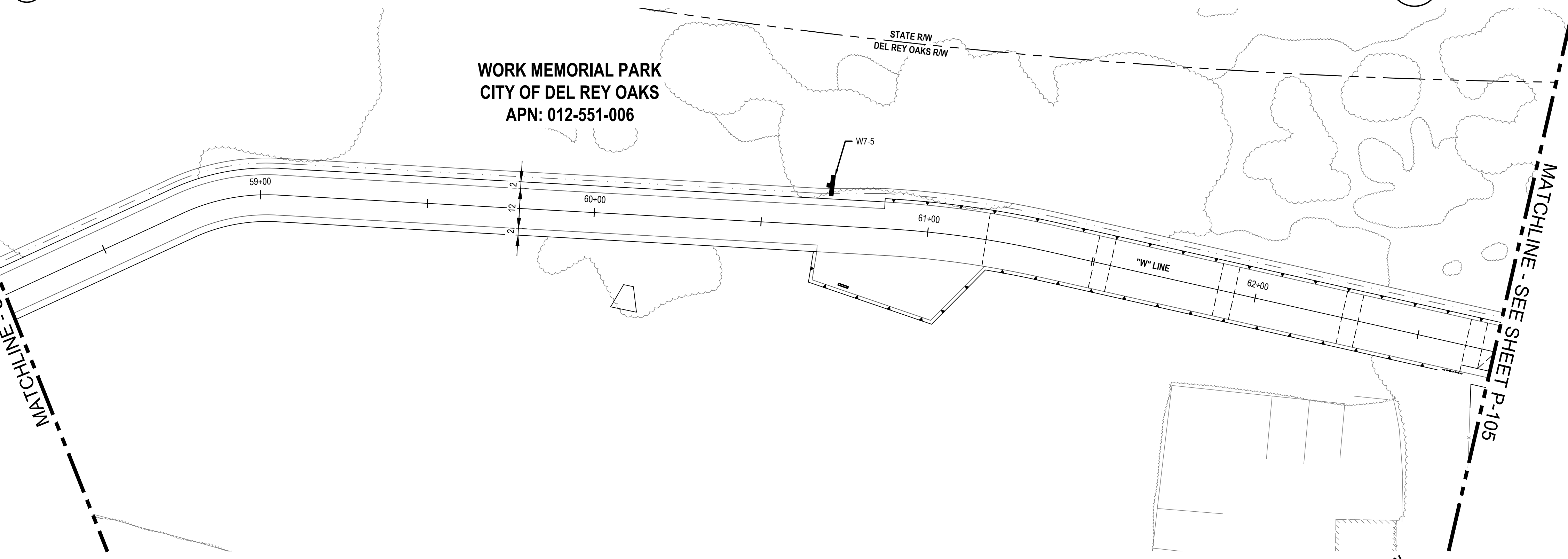
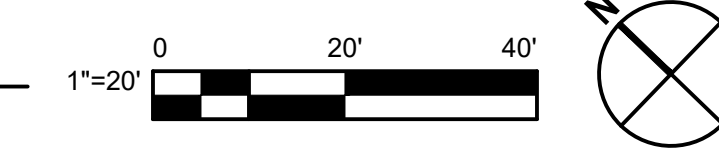
- 1 "YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
- 2 "STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
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- 8 BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
- 9 "BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
- 10 "25" PAVEMENT MARKING
- 11 "AHEAD" PAVEMENT MARKING

CONTINENTAL CROSSWALK

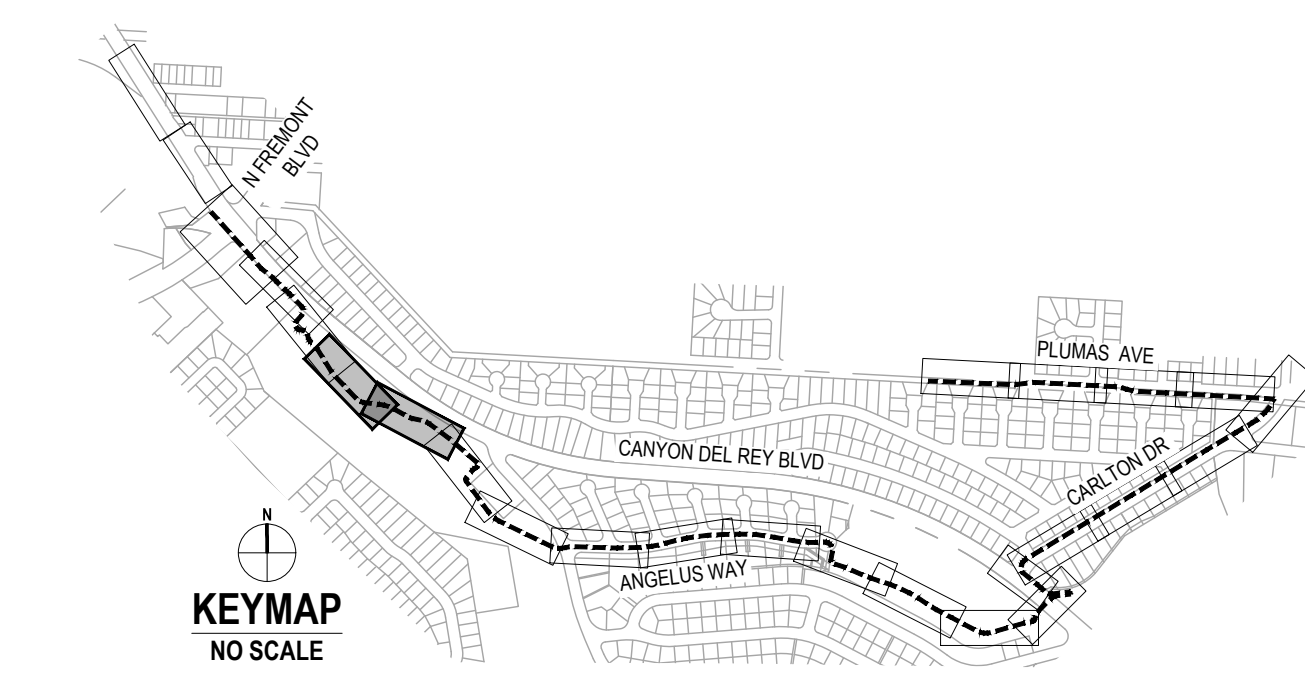
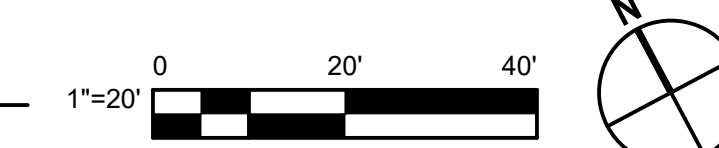
SOLID GREEN PAVEMENT ENHANCEMENT



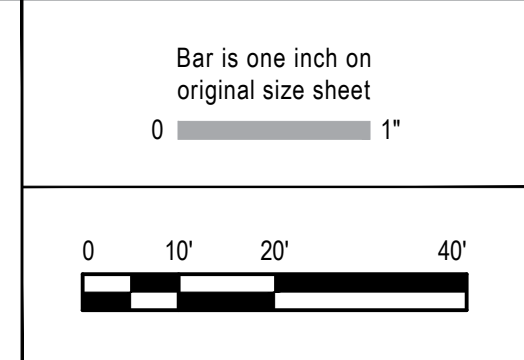
1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



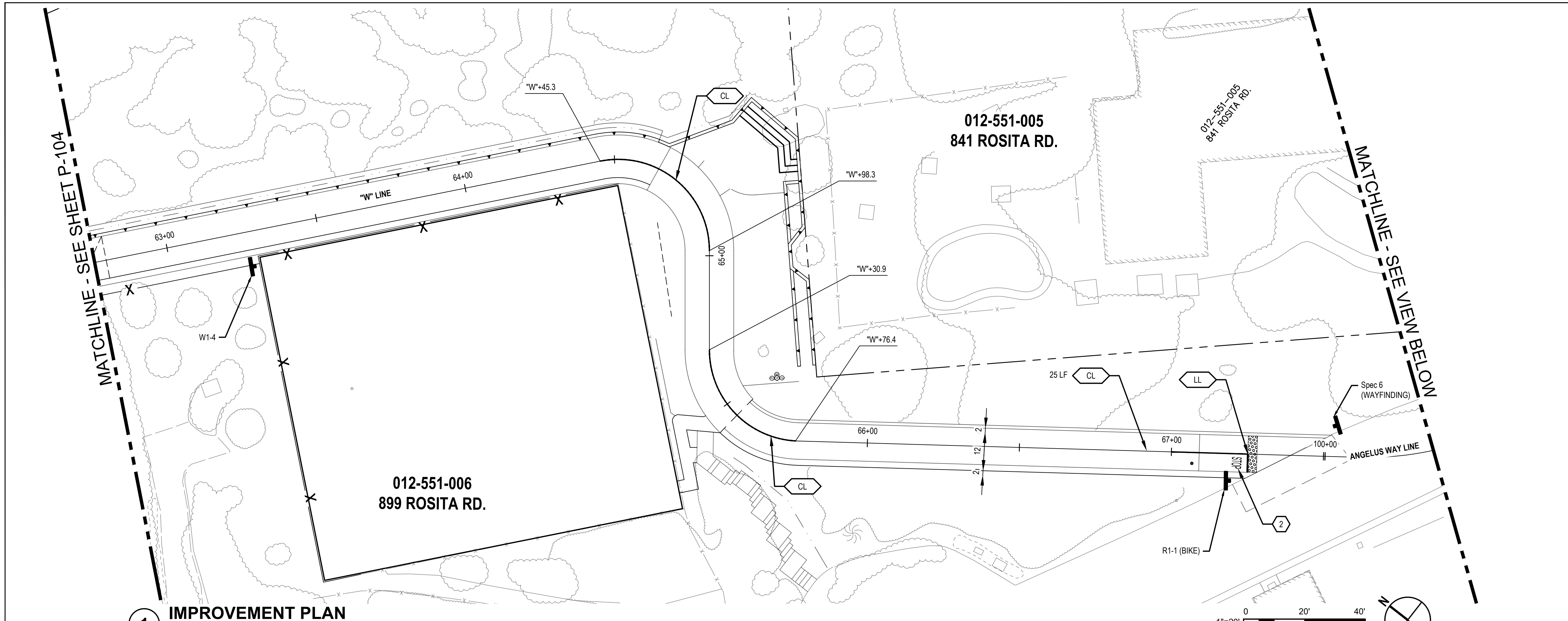
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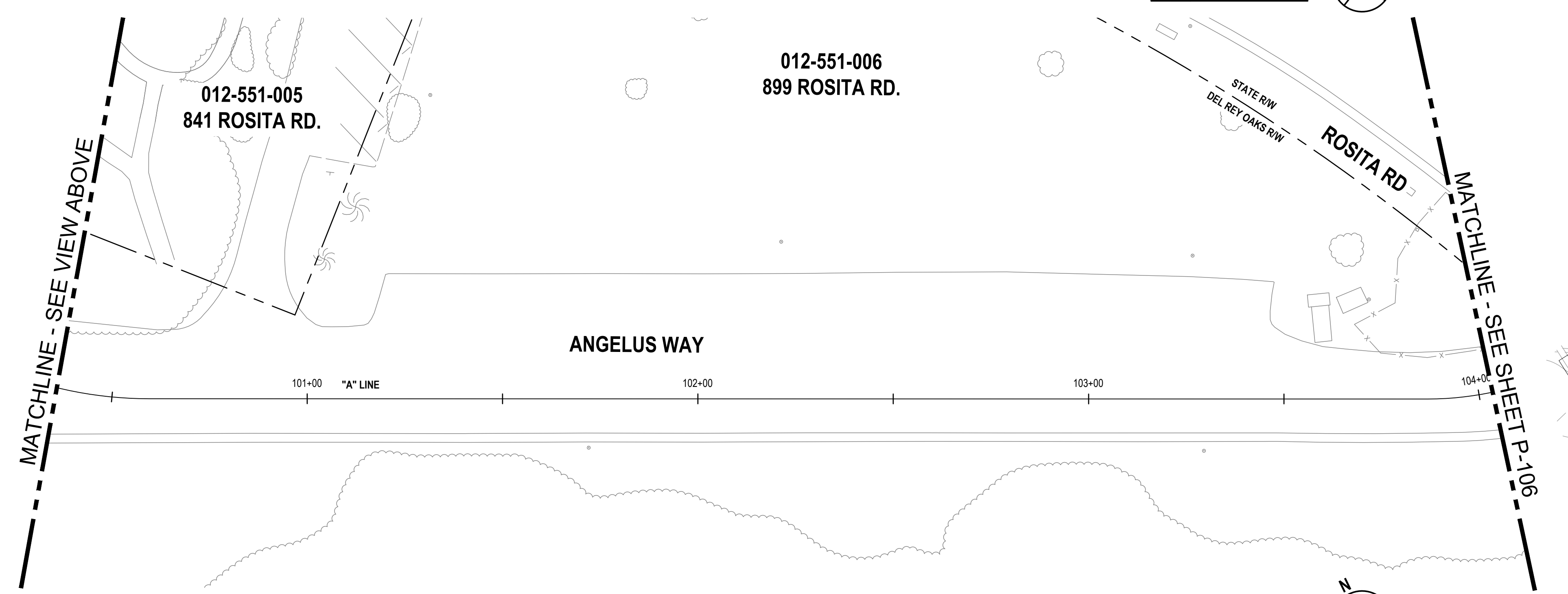


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 4
Size	ANSI D
Status Code	
Sheet No.	P-104
Sheet	102 of 195

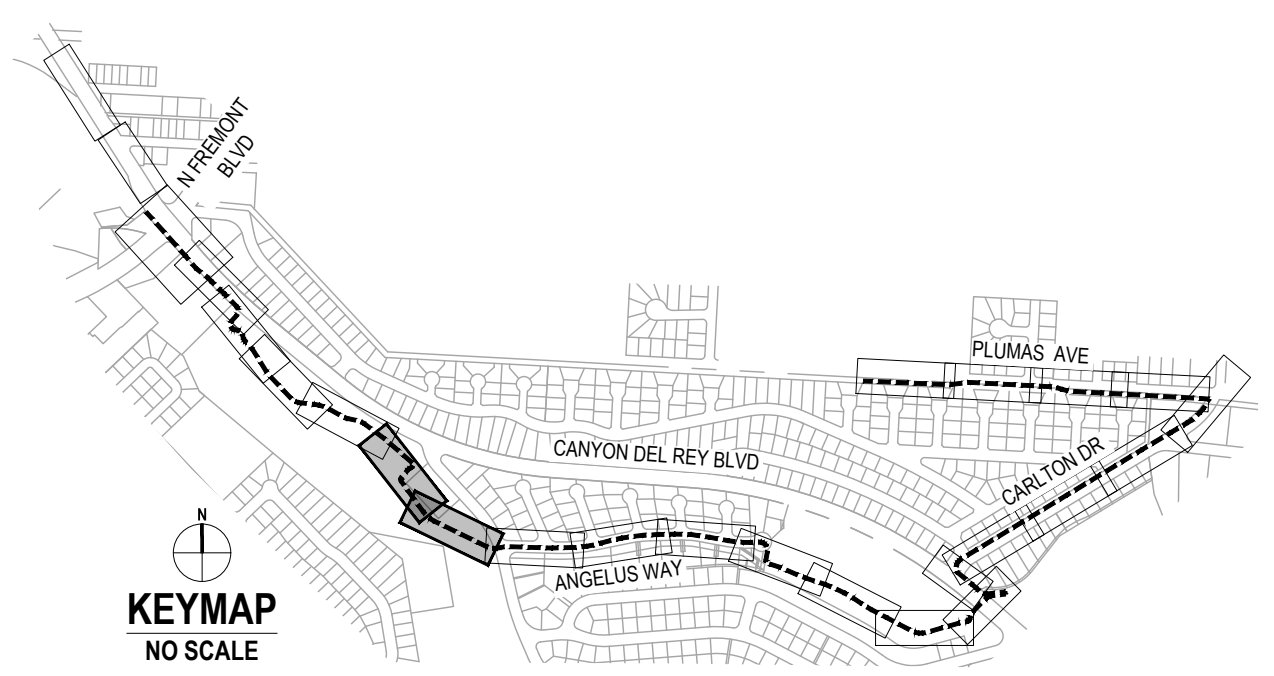


1 IMPROVEMENT PLAN

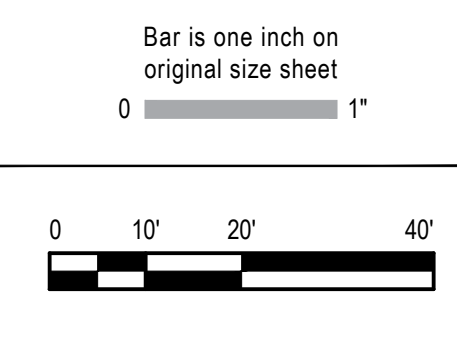


2 IMPROVEMENT PLAN

SHEET GENERAL NOTES	
SEE SHEET P-101	
SIGN LEGEND	
	EXISTING ROADSIDE SIGN TO REMAIN
	REMOVE ROADSIDE SIGN
	RELOCATE ROADSIDE SIGN
	ROADSIDE SIGN - ONE POST
	ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
	EXISTING ROADSIDE SIGN - ONE POST
	EXISTING ROADSIDE SIGN - (SSBM)
STRIPING KEYNOTES	
	PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
	12" WHITE THERMOPLASTIC PAVEMENT MARKING
	4" YELLOW TWO COAT PAINT
	4" WHITE TWO COAT PAINT
PAVEMENT MARKING KEY NOTES	
	"YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
	"STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
	SHARED ROADWAY BICYCLE MARKING
	TYPE I ARROW (10')
	TYPE IV (L/R) ARROW
	TYPE VII (L/R) ARROW
	BIKE LANE SYMBOL WITHOUT PERSON
	BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
	"BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
	"25" PAVEMENT MARKING
	"AHEAD" PAVEMENT MARKING
	CONTINENTAL CROSSWALK
	SOLID GREEN PAVEMENT ENHANCEMENT



No.	Issue	Author	Checked	Approved	Date
		EM	SG	L. VAN PARYS	
		CO	SG	K. VEDULA	

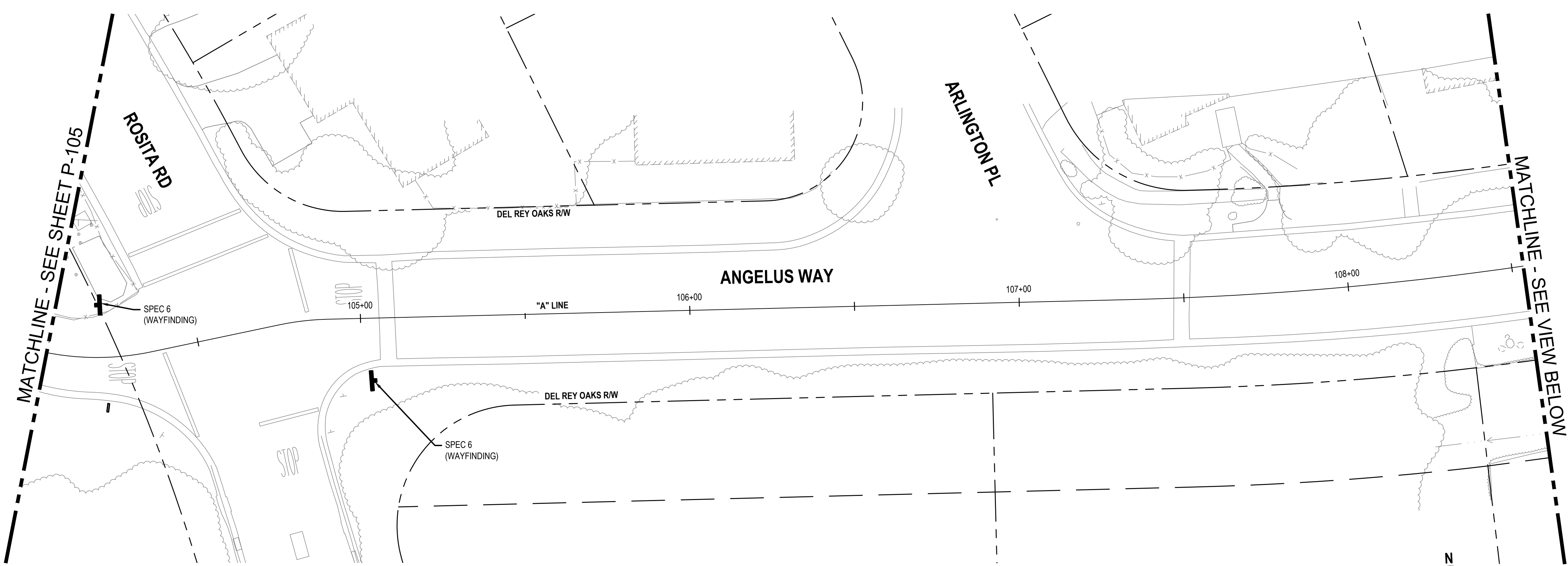


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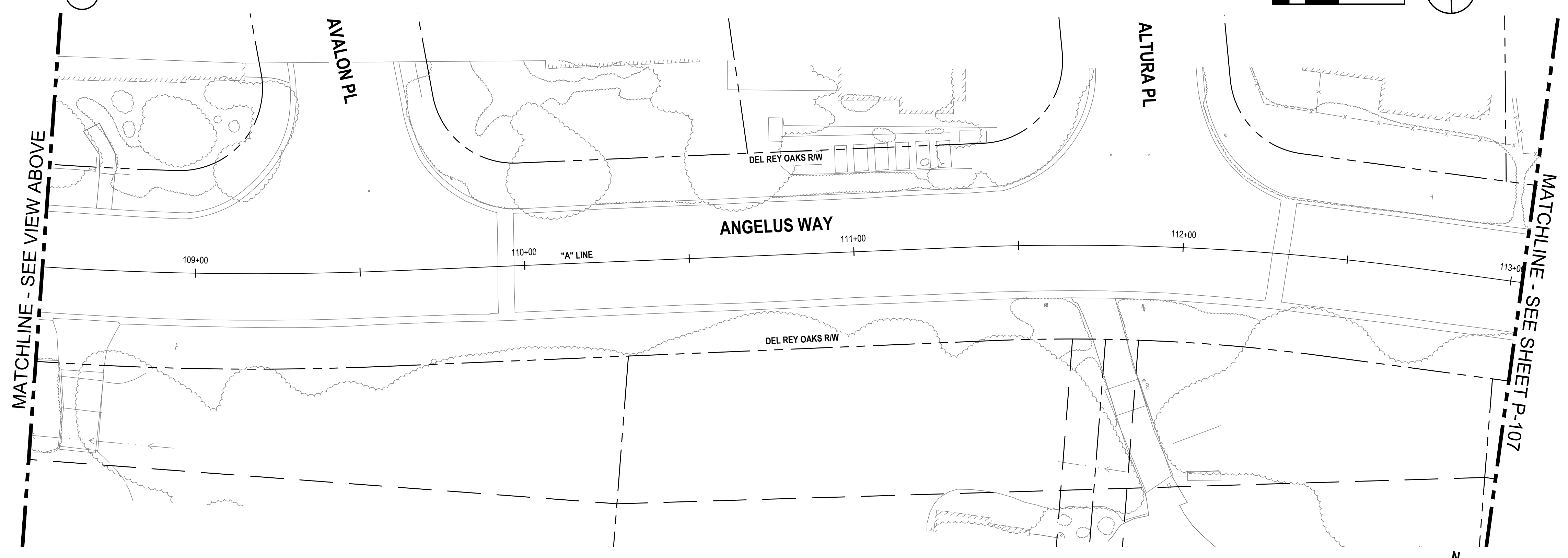
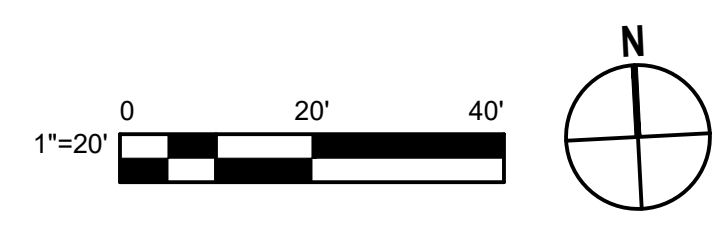


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 5
Size	ANSI D
Status Code	
Sheet No.	P-105
Sheet	103 of 195



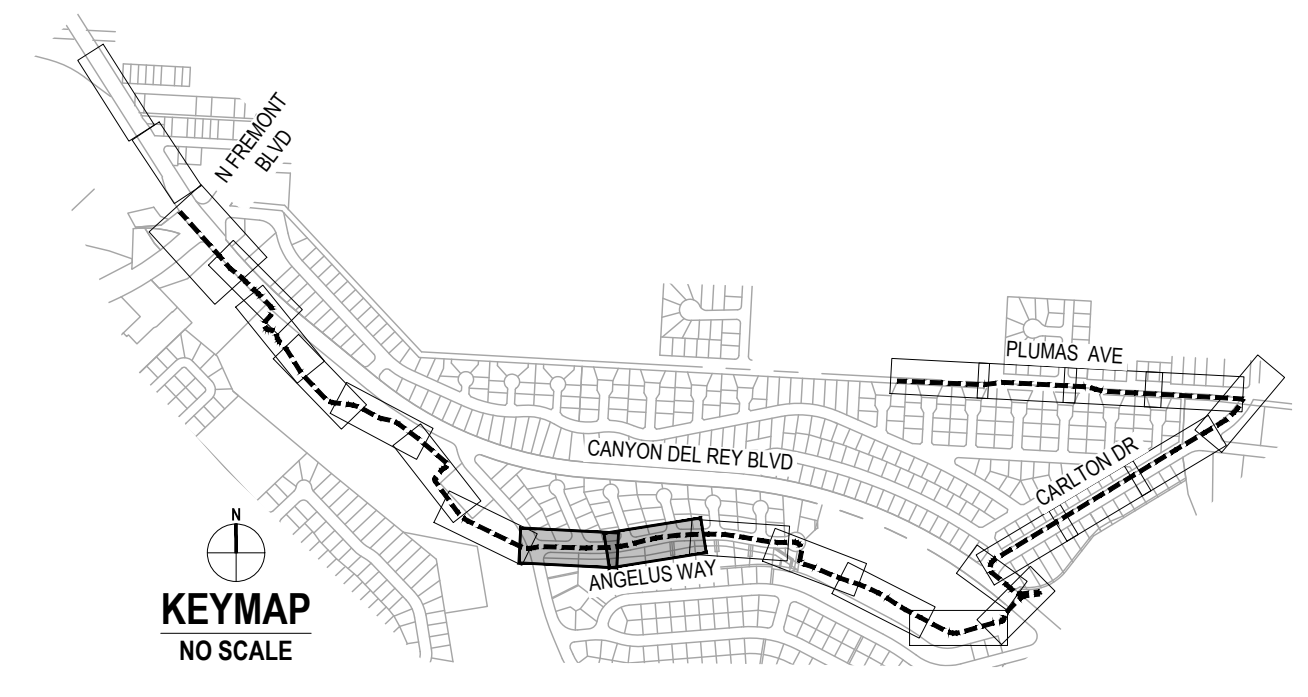
1 IMPROVEMENT PLAN



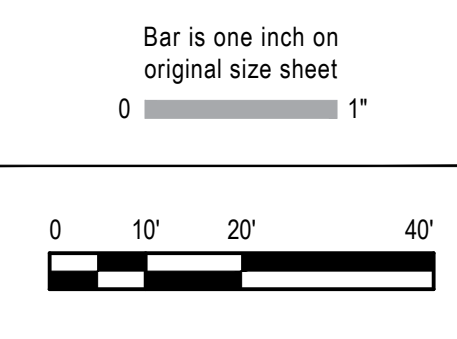
2 IMPROVEMENT PLAN



SHEET GENERAL NOTES	
SEE SHEET P-101	
SIGN LEGEND	
	EXISTING ROADSIDE SIGN TO REMAIN
	REMOVE ROADSIDE SIGN
	RELOCATE ROADSIDE SIGN
	ROADSIDE SIGN - ONE POST
	ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
	EXISTING ROADSIDE SIGN - ONE POST
	EXISTING ROADSIDE SIGN - (SSBM)
STRIPING KEYNOTES	
	PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
	12" WHITE THERMOPLASTIC PAVEMENT MARKING
PAVEMENT MARKING KEY NOTES	
	"YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
	"STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
	SHARED ROADWAY BICYCLE MARKING
	TYPE I ARROW (10')
	TYPE IV (L/R) ARROW
	TYPE VII (L/R) ARROW
	BIKE LANE SYMBOL WITHOUT PERSON
	BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
	"BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
	"25" PAVEMENT MARKING
	"AHEAD" PAVEMENT MARKING
	CONTINENTAL CROSSWALK
	SOLID GREEN PAVEMENT ENHANCEMENT



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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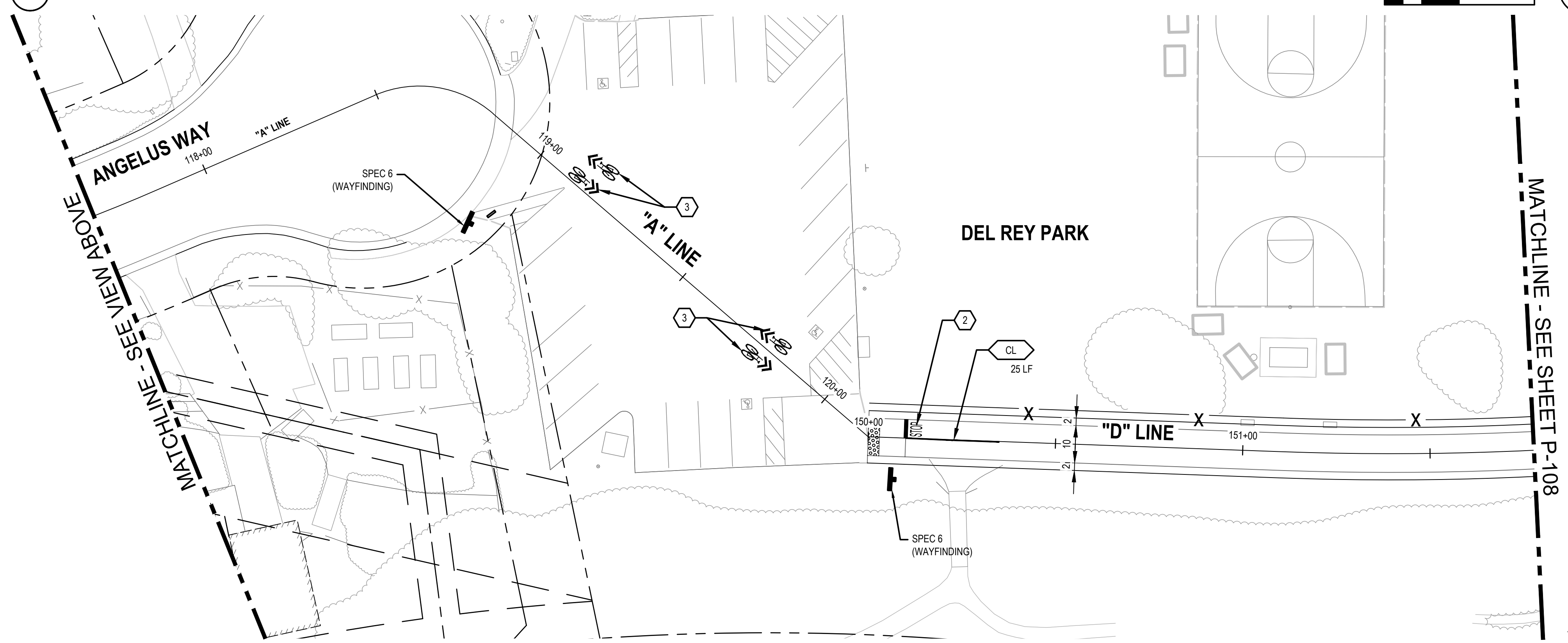
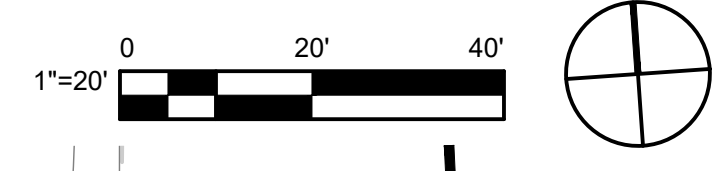
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 6
Size	ANSI D
Status Code	
Sheet No.	P-106
Sheet	104 of 195

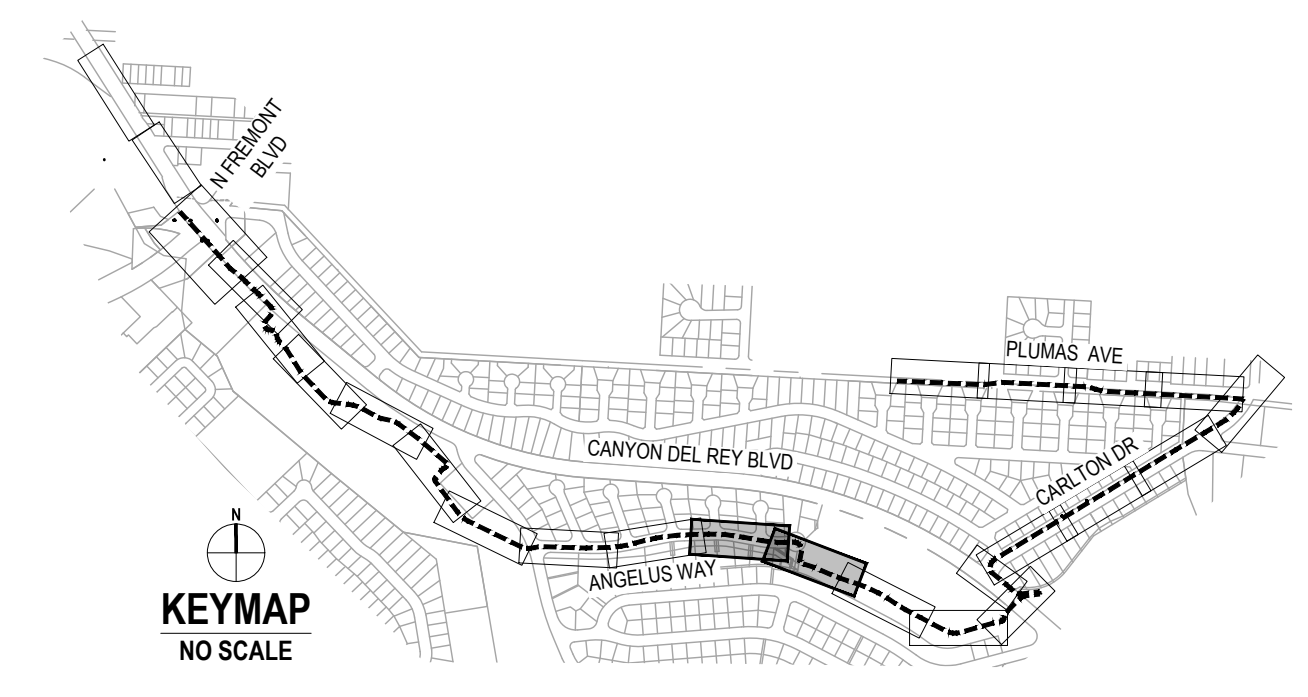
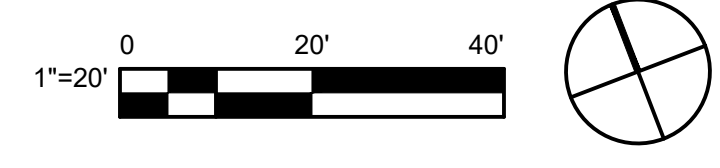
SHEET GENERAL NOTES	
SEE SHEET P-101	
SIGN LEGEND	
	EXISTING ROADSIDE SIGN TO REMAIN
	REMOVE ROADSIDE SIGN
	RELOCATE ROADSIDE SIGN
	ROADSIDE SIGN - ONE POST
	ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
	EXISTING ROADSIDE SIGN - ONE POST
	EXISTING ROADSIDE SIGN - (SSBM)
STRIPING KEYNOTES	
	PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
	12" WHITE THERMOPLASTIC PAVEMENT MARKING
	4" YELLOW TWO COAT PAINT
	4" WHITE TWO COAT PAINT
PAVEMENT MARKING KEY NOTES	
	"YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
	"STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
	SHARED ROADWAY BICYCLE MARKING
	TYPE I ARROW (10')
	TYPE IV (L/R) ARROW
	TYPE VII (L/R) ARROW
	BIKE LANE SYMBOL WITHOUT PERSON
	BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
	"BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
	"25" PAVEMENT MARKING
	"AHEAD" PAVEMENT MARKING
	CONTINENTAL CROSSWALK
	SOLID GREEN PAVEMENT ENHANCEMENT



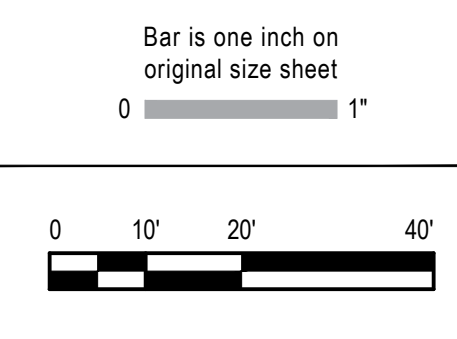
1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 7
Size	ANSI D
Status Code	
Sheet No.	P-107
Sheet	105 of 195

SHEET GENERAL NOTES

SEE SHEET P-101

SIGN LEGEND

- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ⊥ ROADSIDE SIGN - ONE POST
- ⊥ ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
- + EXISTING ROADSIDE SIGN - ONE POST
- + EXISTING ROADSIDE SIGN - (SSBM)

STRIPING KEYNOTES

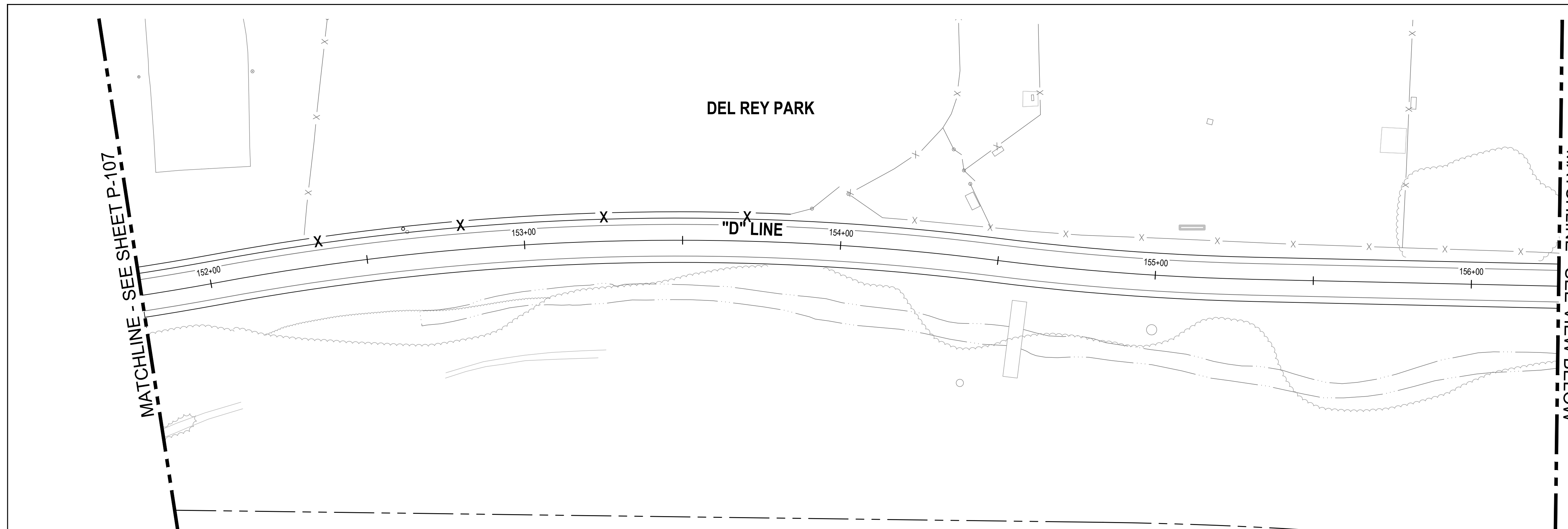
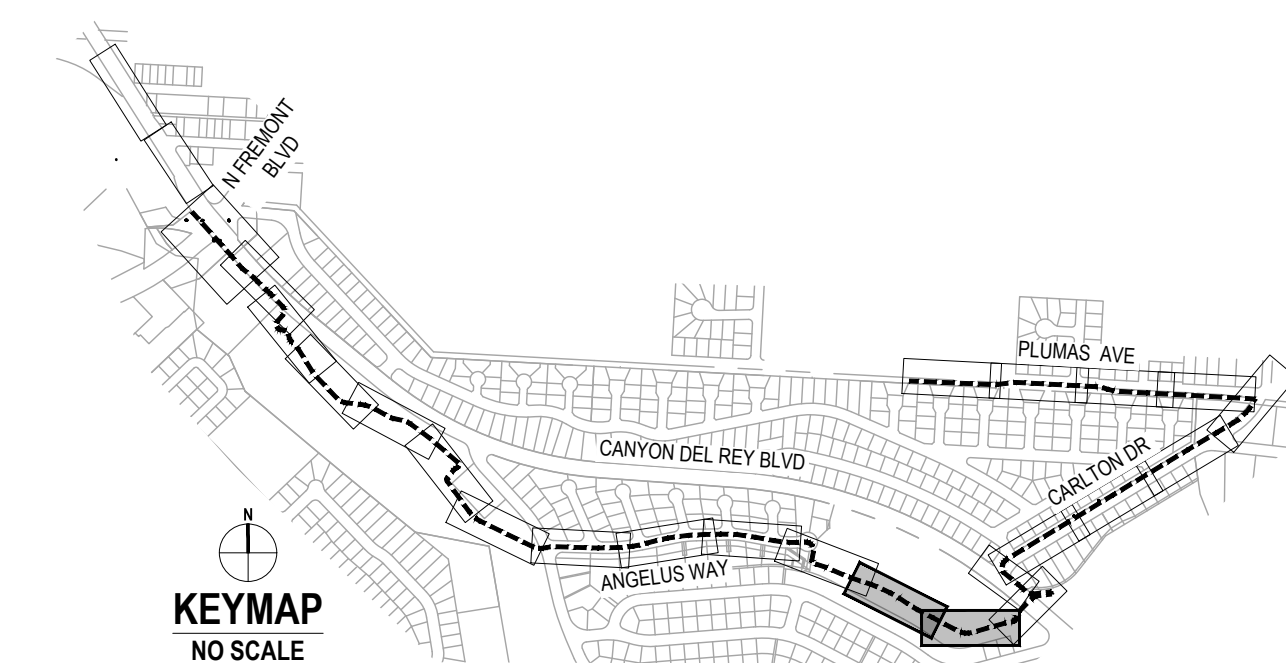
- XX PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
- LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING
- SL 8" WHITE THERMOPLASTIC PAVEMENT MARKING
- CL 4" YELLOW TWO COAT PAINT

PAVEMENT MARKING KEY NOTES

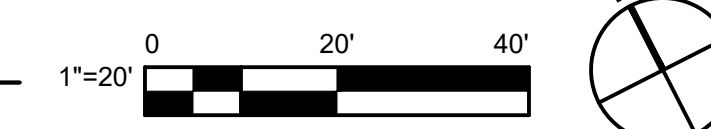
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- 2 "STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
- 3 SHARED ROADWAY BICYCLE MARKING
- 4 TYPE I ARROW (10')
- 5 TYPE IV (L/R) ARROW
- 6 TYPE VII (L/R) ARROW
- 7 BIKE LANE SYMBOL WITHOUT PERSON
- 8 BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
- 9 "BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
- 10 "25" PAVEMENT MARKING
- 11 "AHEAD" PAVEMENT MARKING
- 12 16" X 16" THERMOPLASTIC MARKINGS WITH 16" BETWEEN
- 13 TWO-STAGE TURN BIKE BOX SEE DETAILS THIS SHEET

CONTINENTAL CROSSWALK

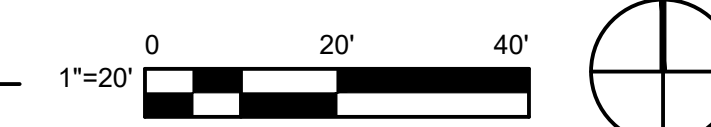
SOLID GREEN PAVEMENT ENHANCEMENT



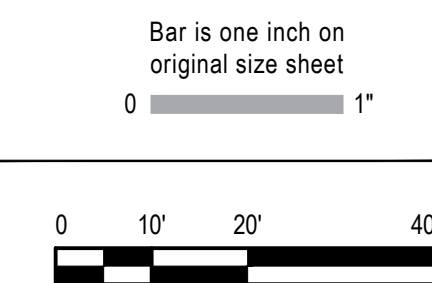
1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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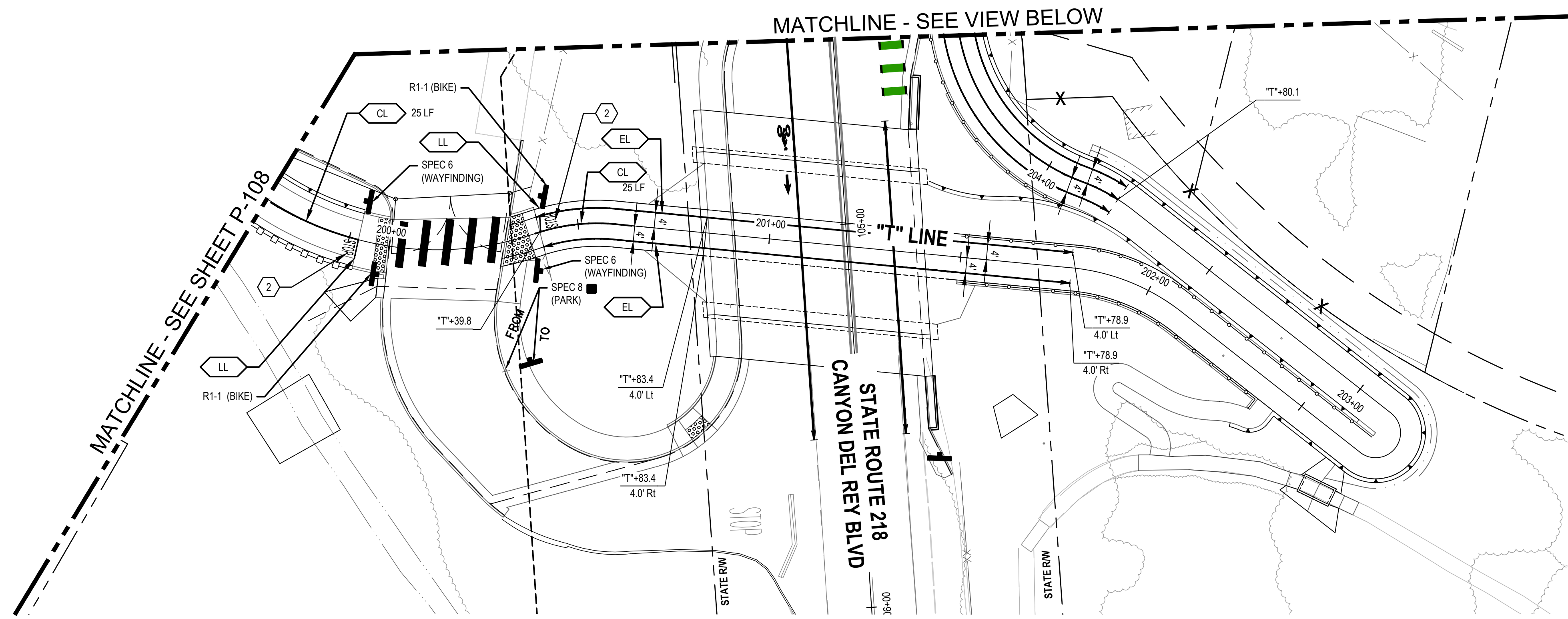
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

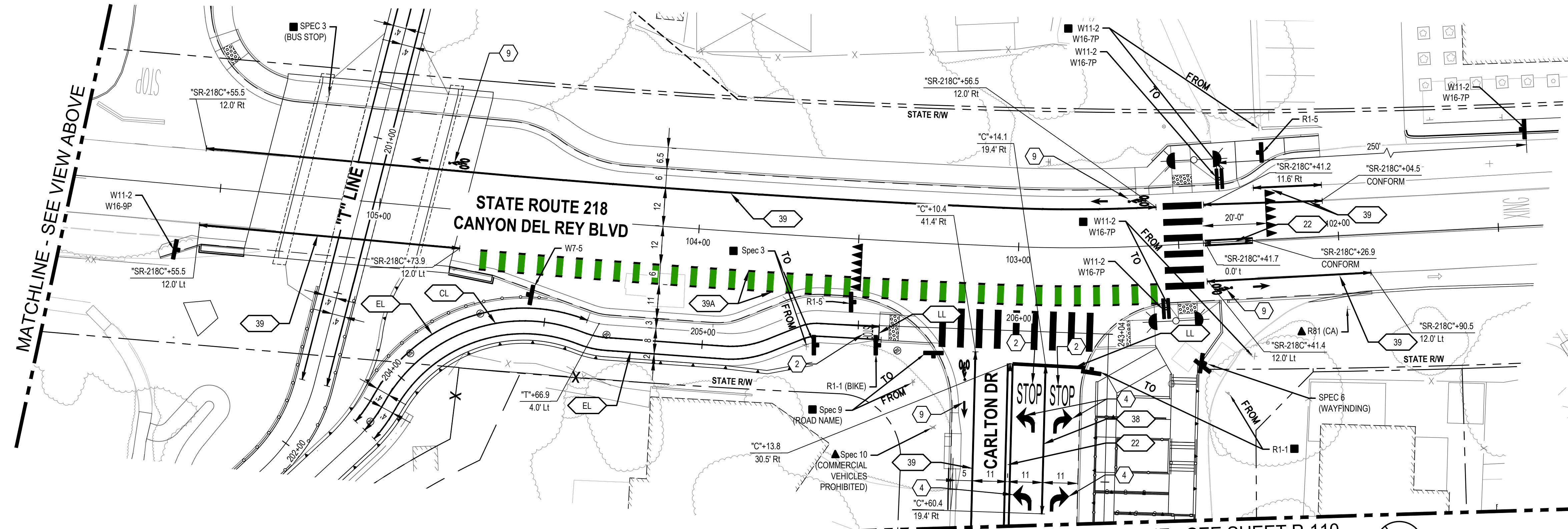
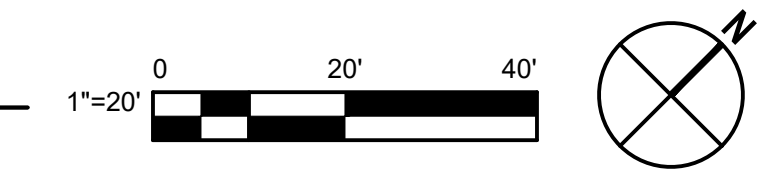
Title **SIGNAGE AND STRIPING PLAN - 8**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Size **ANSI D**
 Status Code
 Sheet No. **P-108** Sheet **106 of 195**



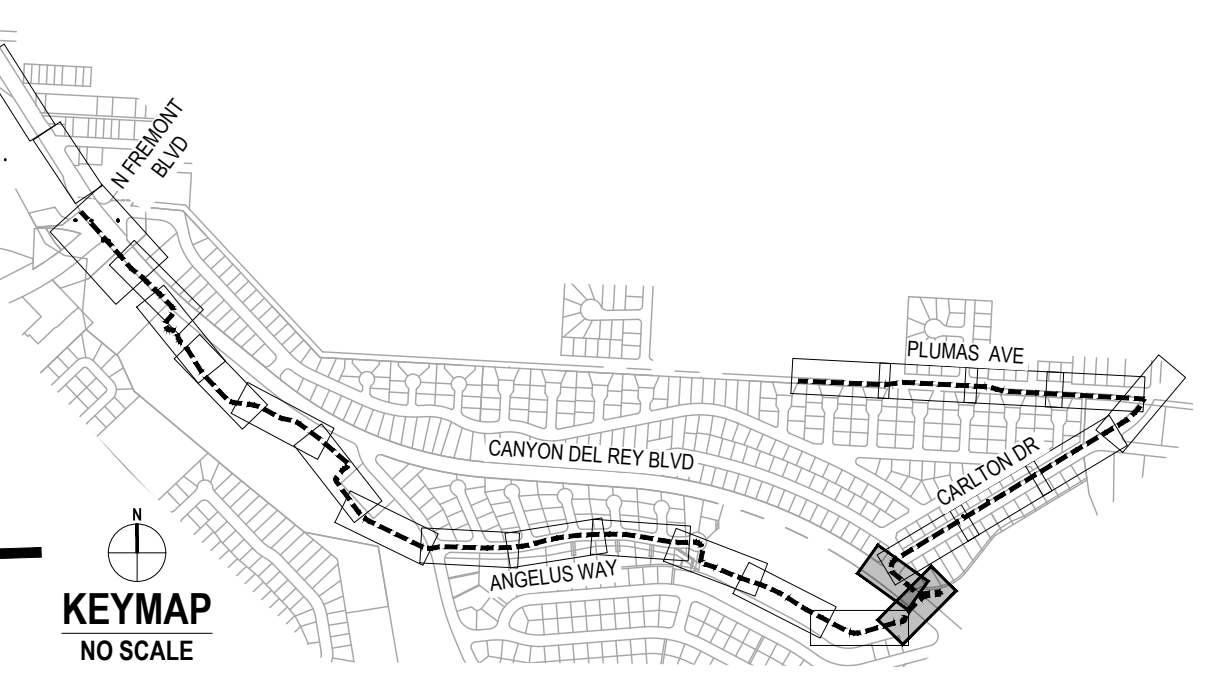
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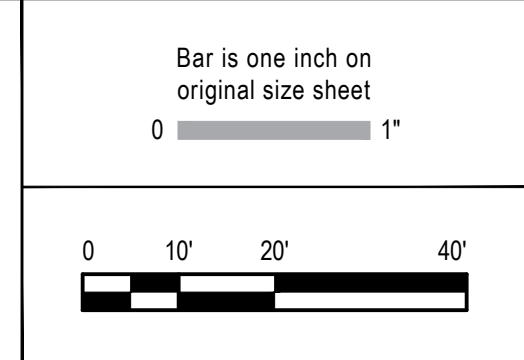
2 IMPROVEMENT PLAN



SHEET GENERAL NOTES	
SEE SHEET P-101	
SIGN LEGEND	
	EXISTING ROADSIDE SIGN TO REMAIN
	REMOVE ROADSIDE SIGN
	RELOCATE ROADSIDE SIGN
	ROADSIDE SIGN - ONE POST
	ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
	EXISTING ROADSIDE SIGN - ONE POST
	EXISTING ROADSIDE SIGN - (SSBM)
STRIPING KEYNOTES	
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	12" WHITE THERMOPLASTIC PAVEMENT MARKING
	4" YELLOW TWO COAT PAINT
	4" WHITE TWO COAT PAINT
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	"YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
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	"BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
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	"AHEAD" PAVEMENT MARKING
	CONTINENTAL CROSSWALK
	SOLID GREEN PAVEMENT ENHANCEMENT



No.	Issue	Author	Checked	Approved	Date
1	Author	EM	Drafting Check	SG	
2	Designer	CO	Design Check	SG	
	Project Manager	L. VAN PARYS			
	Project Director	K. VEDULA			



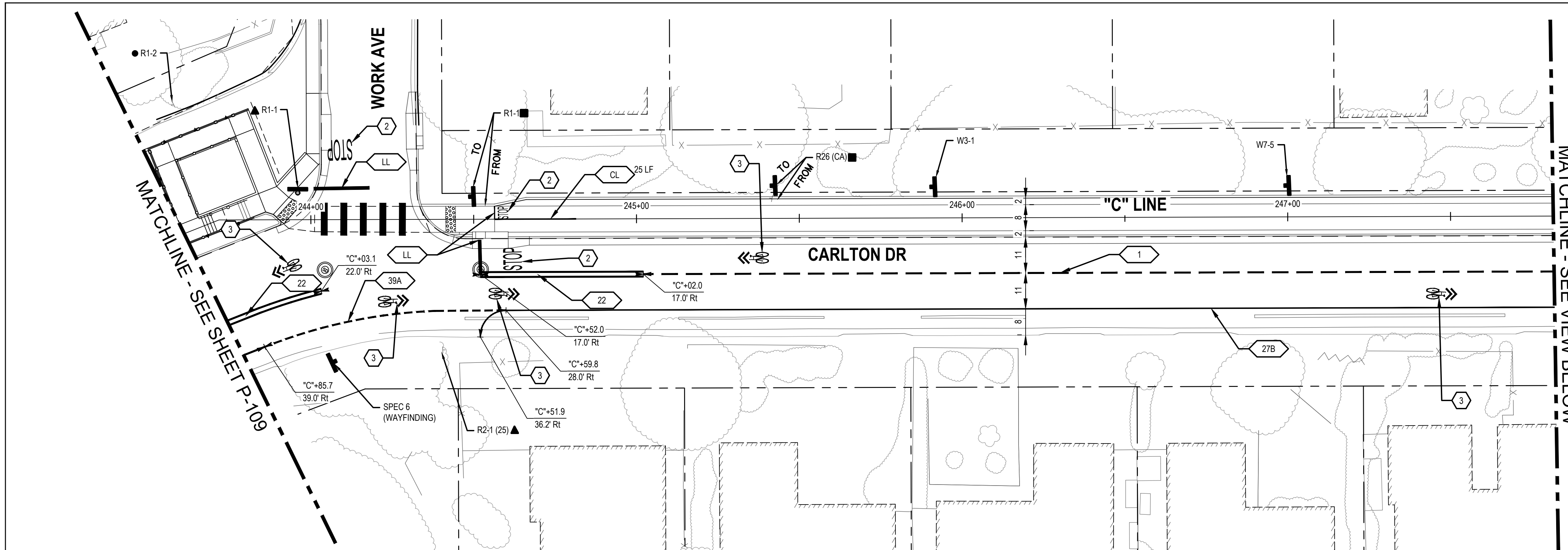
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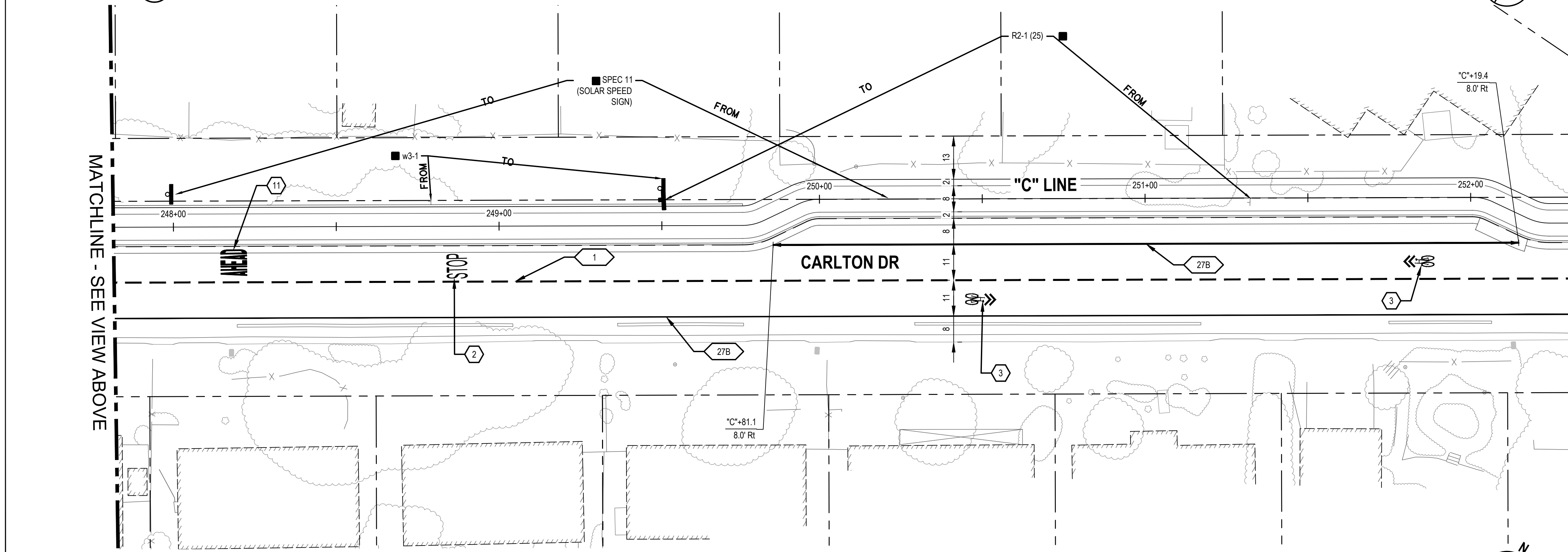
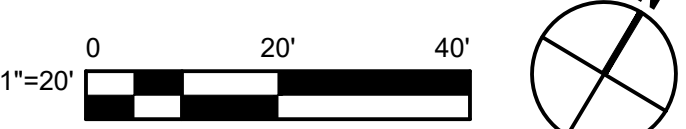


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

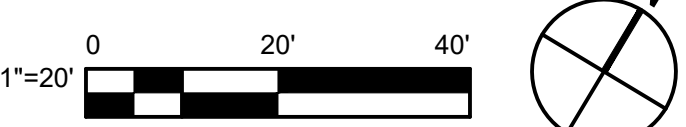
Title	SIGNAGE AND STRIPING PLAN - 9
Size	ANSI D
Status Code	
Sheet No.	P-109
Sheet	107 of 195



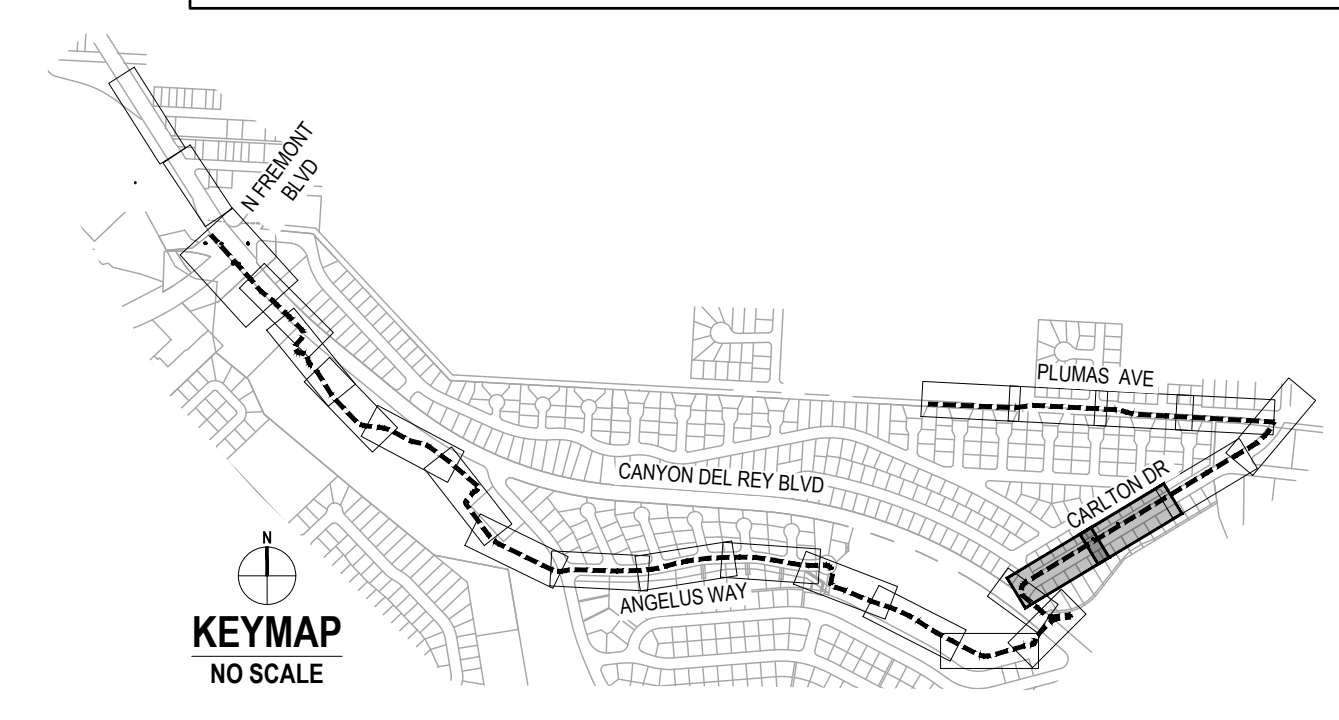
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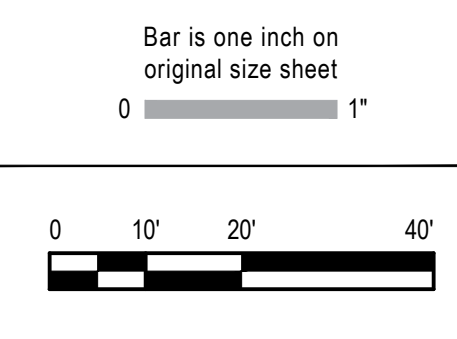
2 IMPROVEMENT PLAN



SHEET GENERAL NOTES	
SEE SHEET P-101	
SIGN LEGEND	
▲	EXISTING ROADSIDE SIGN TO REMAIN
●	REMOVE ROADSIDE SIGN
■	RELOCATE ROADSIDE SIGN
⊥	ROADSIDE SIGN - ONE POST
⊥	ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
+	EXISTING ROADSIDE SIGN - ONE POST
-	EXISTING ROADSIDE SIGN - (SSBM)
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LL	12" WHITE THERMOPLASTIC PAVEMENT MARKING
SL	8" WHITE THERMOPLASTIC PAVEMENT MARKING
CL	4" YELLOW TWO COAT PAINT
PAVEMENT MARKING KEY NOTES	
1	"YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
2	"STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
3	SHARED ROADWAY BICYCLE MARKING
4	TYPE I ARROW (10')
5	TYPE IV (L/R) ARROW
6	TYPE VII (L/R) ARROW
7	BIKE LANE SYMBOL WITHOUT PERSON
8	BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
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10	"25" PAVEMENT MARKING
11	"AHEAD" PAVEMENT MARKING
12	16" X 16" THERMOPLASTIC MARKINGS WITH 16" BETWEEN
13	TWO-STAGE TURN BIKE BOX SEE DETAILS THIS SHEET
	CONTINENTAL CROSSWALK
■	SOLID GREEN PAVEMENT ENHANCEMENT



No.	Issue	Author	Checked	Approved	Date
		EM	SG	L. VAN PARYS	
		CO	SG	K. VEDULA	



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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title SIGNAGE AND STRIPING PLAN - 10
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size ANSI D	Status Code
Sheet No. P-110	Sheet 108 of 195

SHEET GENERAL NOTES

SEE SHEET P-101

SIGN LEGEND

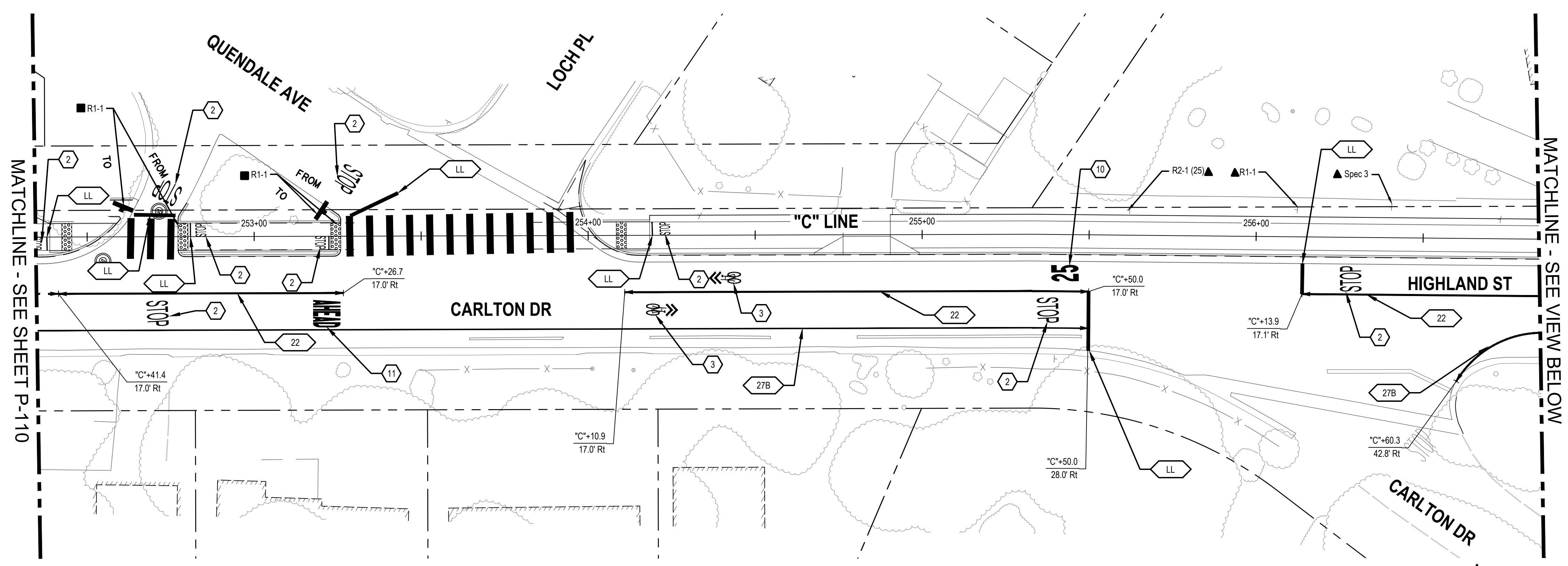
- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ⊥ ROADSIDE SIGN - ONE POST
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- + EXISTING ROADSIDE SIGN - (SSBM)

STRIPING KEYNOTES

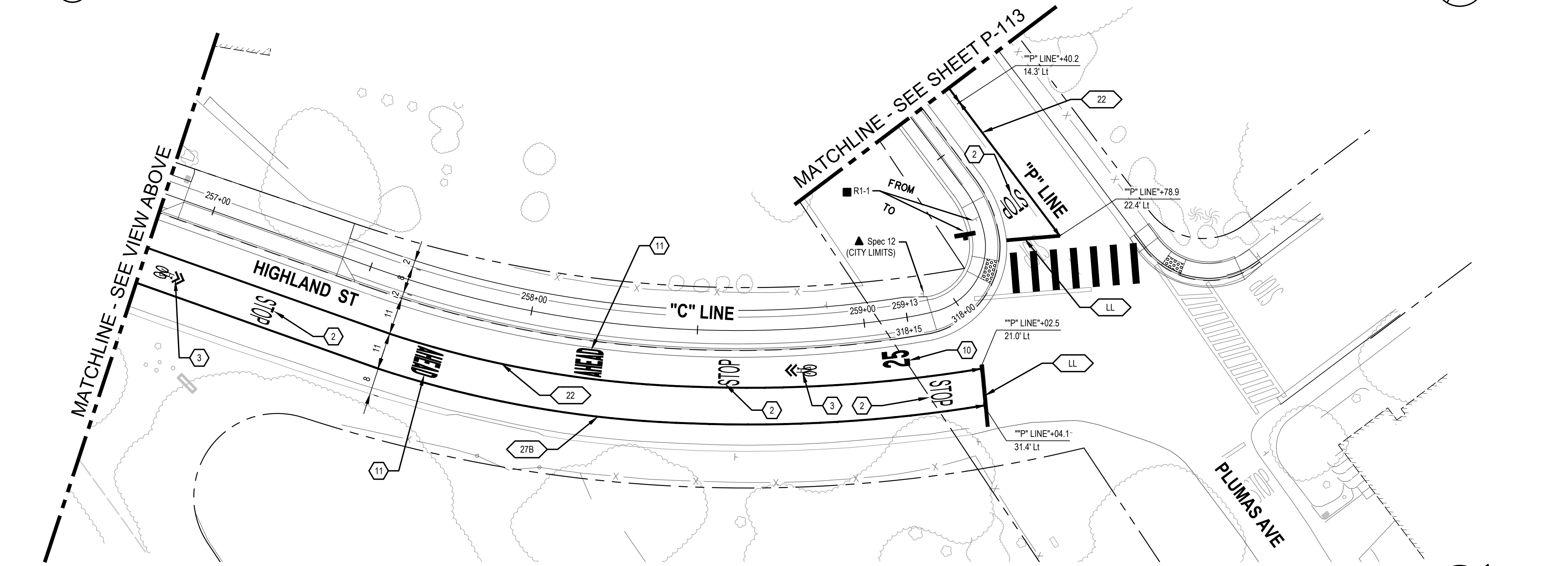
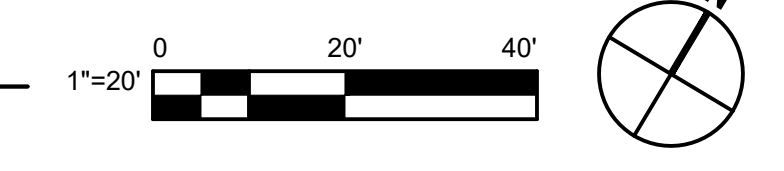
- XX PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
- LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING
- SL 8" WHITE THERMOPLASTIC PAVEMENT MARKING
- CL 4" YELLOW TWO COAT PAINT

PAVEMENT MARKING KEY NOTES

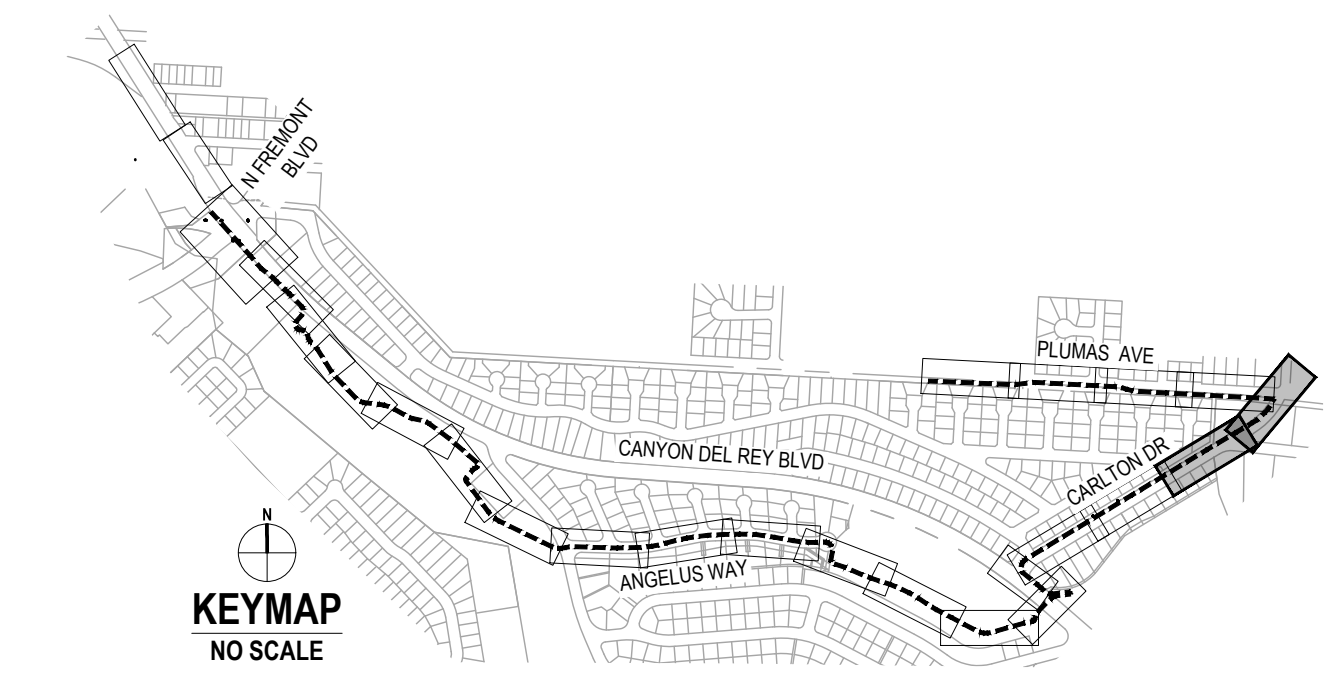
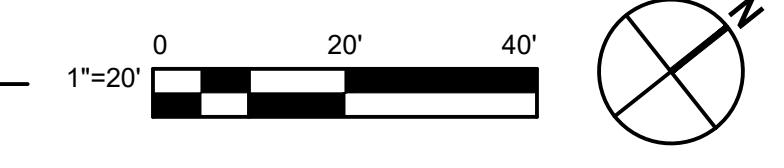
- 1 "YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
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 - 13 TWO-STAGE TURN BIKE BOX SEE DETAILS THIS SHEET
- ||||| CONTINENTAL CROSSWALK
- SOLID GREEN PAVEMENT ENHANCEMENT



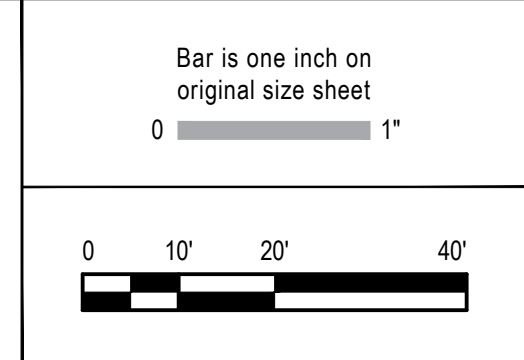
1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 11
Size	ANSI D
Status Code	
Sheet No.	P-111
Sheet	109 of 195

SHEET GENERAL NOTES

SEE SHEET P-101

SIGN LEGEND

- ▲ EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ⊥ ROADSIDE SIGN - ONE POST
- ⊥ ROADSIDE SIGN MOUNTED ON POLE WITH STRAP AND SADDLE BRACKET METHOD
- + EXISTING ROADSIDE SIGN - ONE POST
- + EXISTING ROADSIDE SIGN - (SSBM)

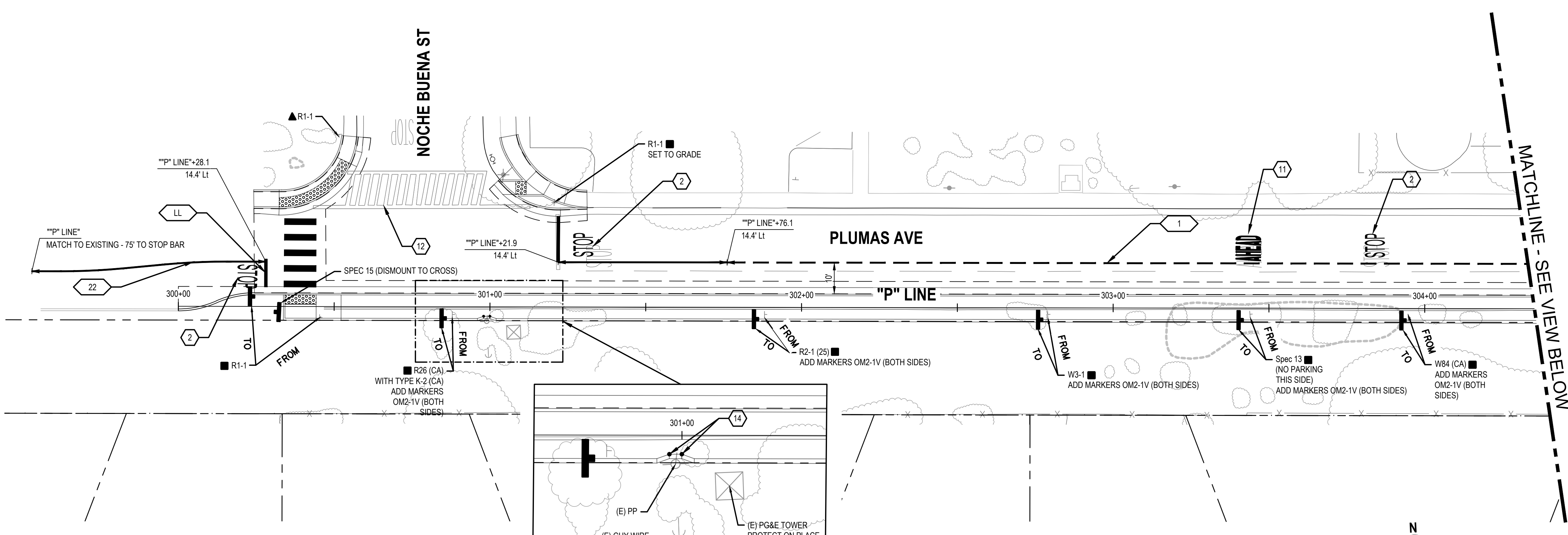
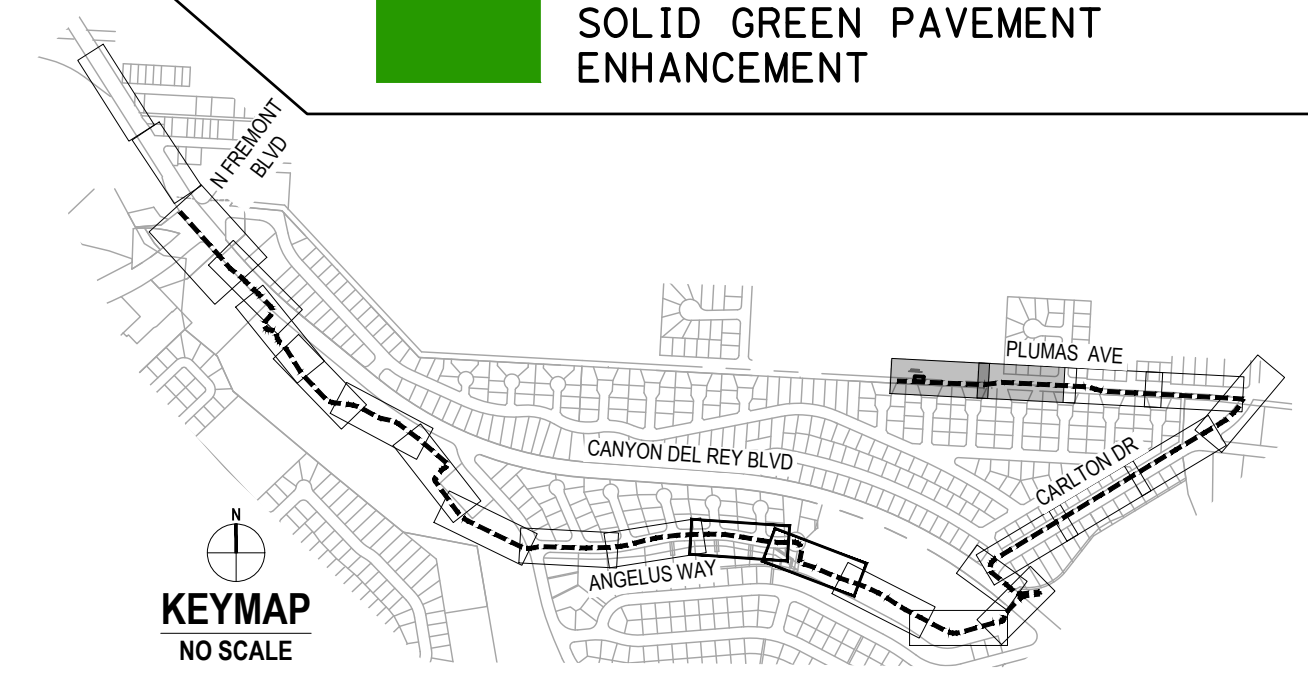
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- XX PROVIDE STRIPING PER CALTRANS DETAIL INDICATED ON PLAN PER A20A TO A20D OF CALTRANS STANDARD PLANS.
- LL 12" WHITE THERMOPLASTIC PAVEMENT MARKING
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- CL 4" YELLOW TWO COAT PAINT

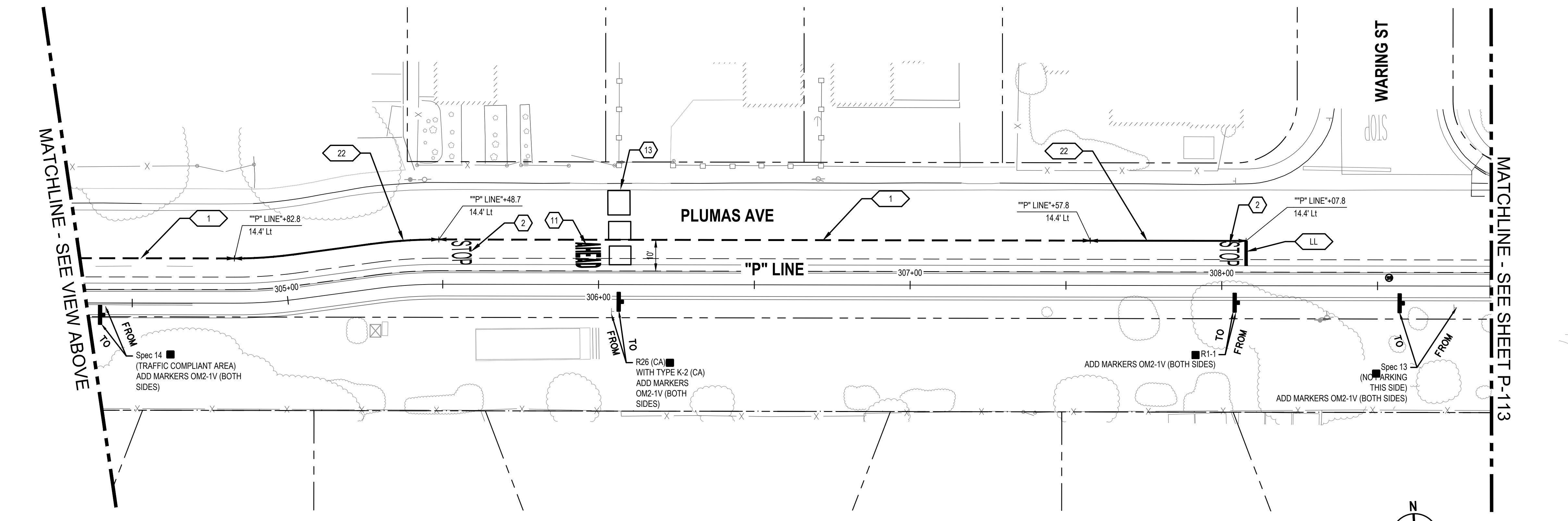
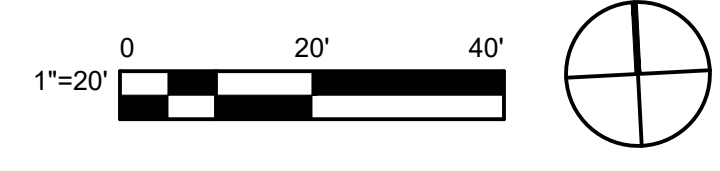
PAVEMENT MARKING KEY NOTES

- 1 "YIELD" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
- 2 "STOP" PAVEMENT MARKING USE 1/2 SCALE ON SHARED-USE PATH
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- 4 TYPE I ARROW (10')
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- 6 TYPE VII (L/R) ARROW
- 7 BIKE LANE SYMBOL WITHOUT PERSON
- 8 BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW
- 9 "BIKE LANE" PAVEMENT MARKING AND BIKE LANE ARROW
- 10 "25" PAVEMENT MARKING
- 11 "AHEAD" PAVEMENT MARKING
- 12 REPAINT YELLOW LADDER CROSSWALK
- 13 RELOCATE/TRIM SURFACE MOUNTED SPEED CUSHIONS PER FIRE DEPARTMENT CONSULTATION
- 14 INSTALL OM TYPE Q FLEX POST TO TOP OF CURB IN FRONT OF UTILITY POLE

- CONTINENTAL CROSSWALK
- SOLID GREEN PAVEMENT ENHANCEMENT



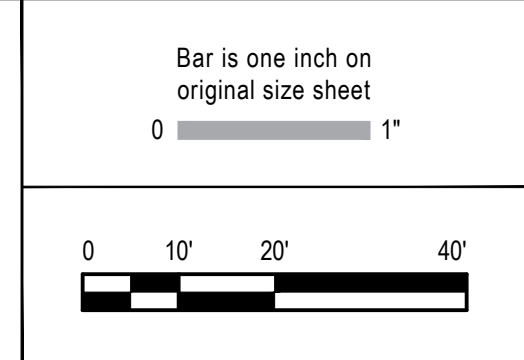
1 IMPROVEMENT PLAN



2 IMPROVEMENT PLAN



No.	Issue	Author	Checked	Approved	Date
1	EM	EM	SG	L. VAN PARYS	
2	CO	CO	SG	K. VEDULA	



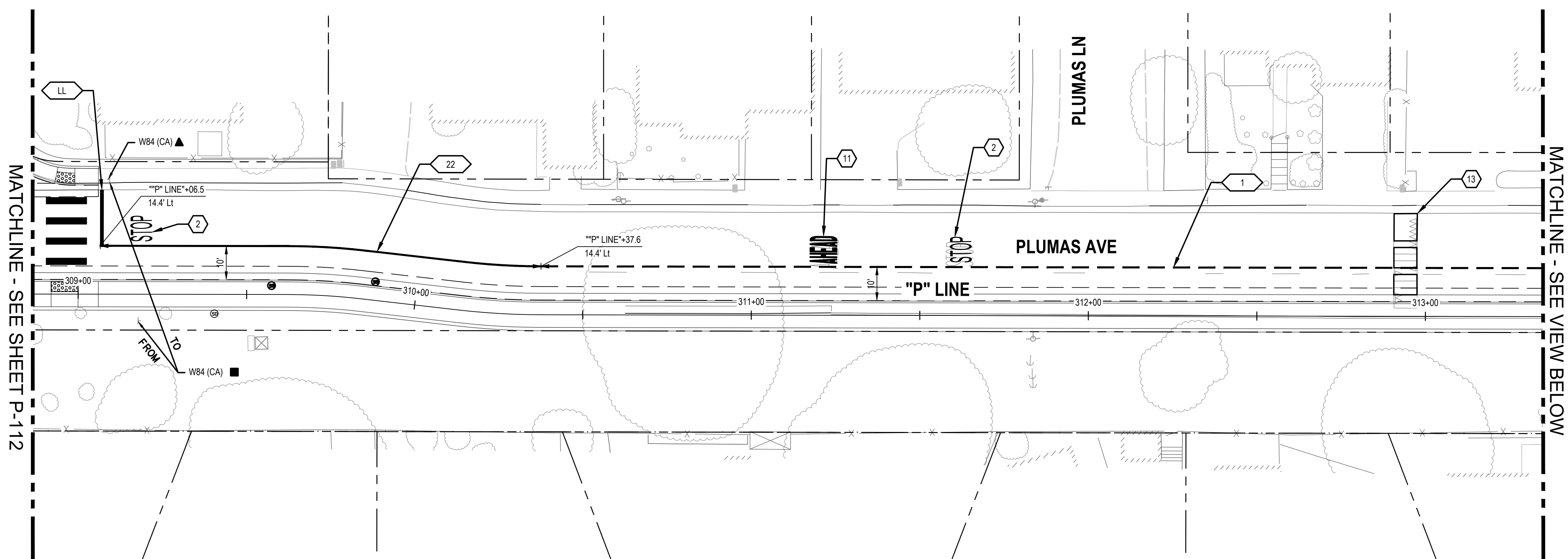
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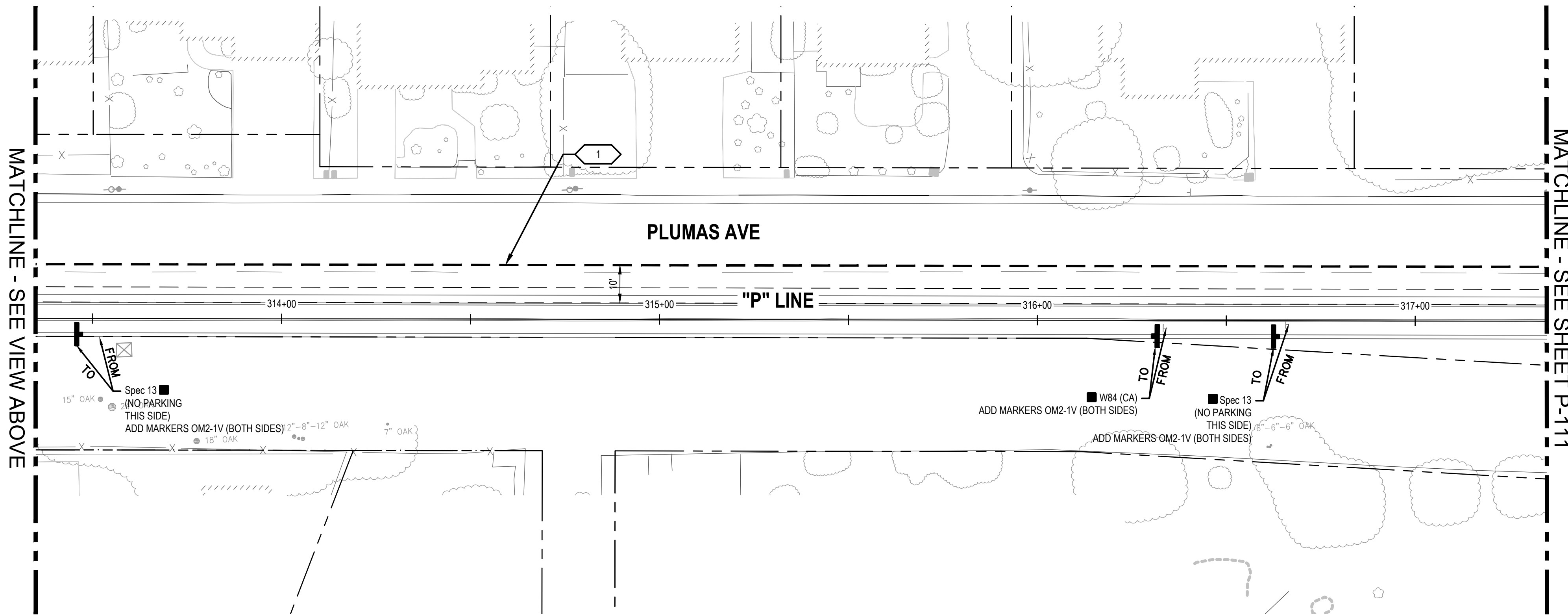
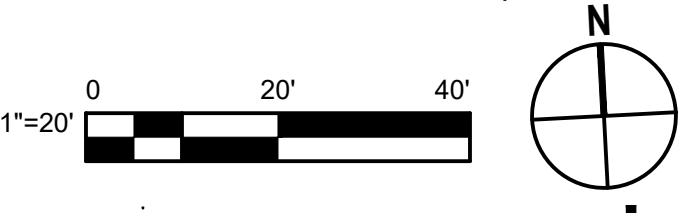


Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title SIGNAGE AND STRIPING PLAN - 12
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

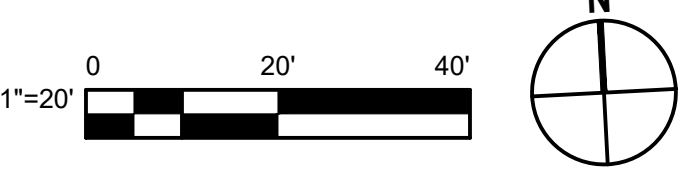
Size ANSI D	Status Code
Sheet No. P-112	Sheet 110 of 195



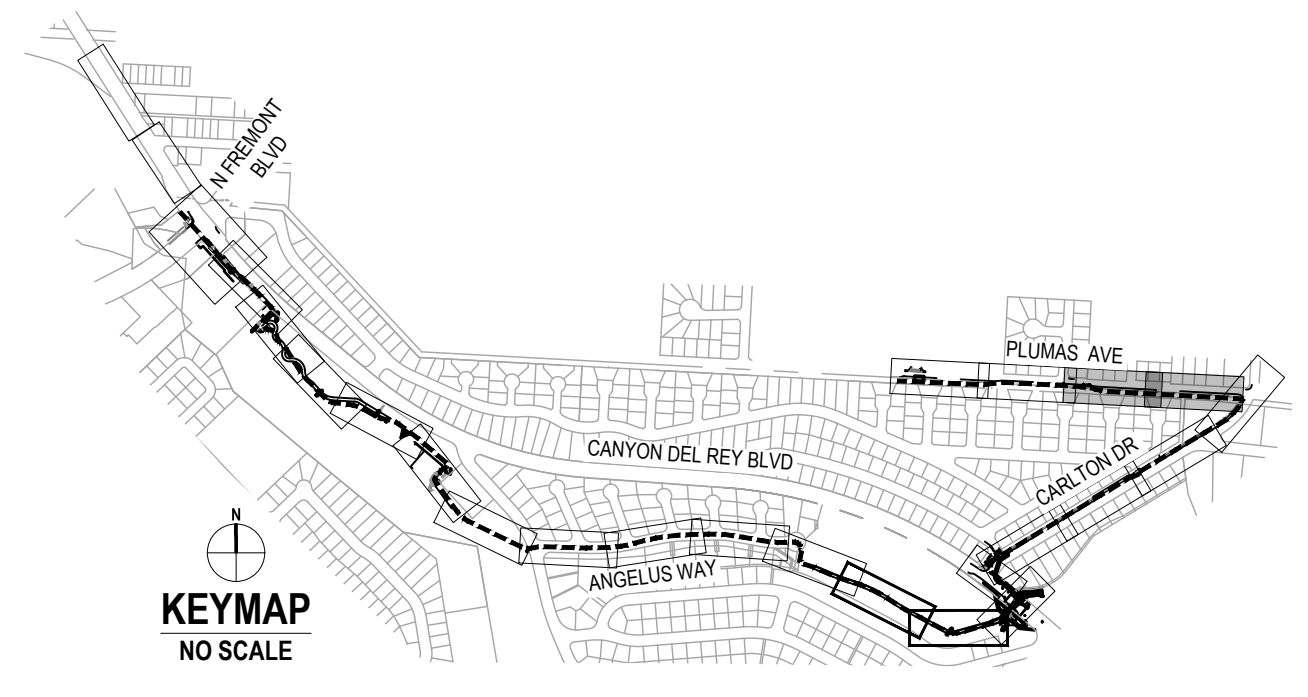
1 IMPROVEMENT PLAN



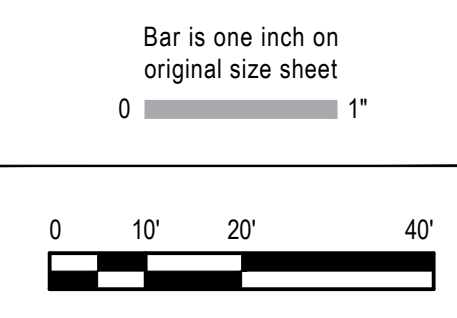
2 IMPROVEMENT PLAN



SHEET GENERAL NOTES	
SEE SHEET P-101	
SIGN LEGEND	
▲	EXISTING ROADSIDE SIGN TO REMAIN
●	REMOVE ROADSIDE SIGN
■	RELOCATE ROADSIDE SIGN
⊥	ROADSIDE SIGN - ONE POST
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SL	8" WHITE THERMOPLASTIC PAVEMENT MARKING
CL	4" YELLOW TWO COAT PAINT
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11	"AHEAD" PAVEMENT MARKING
12	16" X 16" THERMOPLASTIC MARKINGS WITH 16" BETWEEN
13	RELOCATE/TRIM SURFACE MOUNTED SPEED CUSHIONS PER FIRE DEPARTMENT CONSULTATION
CONTINENTAL CROSSWALK	



No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	CO	Design Check	SG	Project Director	K. VEDULA



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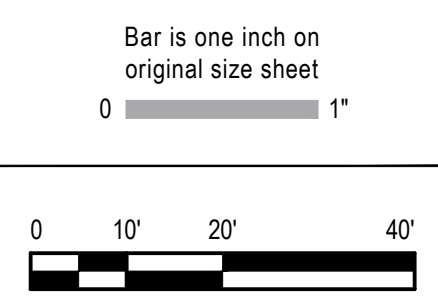
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 13
Size	ANSI D
Status Code	
Sheet No.	P-113
Sheet	111 of 195

ROADSIDE SIGN QUANTITIES

SHEET NUMBER	SIGN DESIGNATION	SIGN PANEL SIZE	"C" DIM IN FEET	POST SIZE AND LENGTH				ROADSIDE SIGN		REMOVE ROADSIDE SIGN	REMOVE ROADSIDE SIGN (SSBM)	RESET ROADSIDE SIGN	REMARKS
				4"x4"	4"x6"	6"x6"	6"x8"	ONE POST	TWO POST				
		INCHES					EACH	EACH	EACH				
P-101	W74(CA)	48 x 48	7		15.5'			1					
	W73A(CA)	48 x 48	7		15.5'			1					
P-102	D1-1c	24 x 6	7	11'				1					
	R3-7(R)	36 x 36	7	13.5'				1					
	D1-1c	24 x 6	7	11'				1					
	R49(CA)								1				
	R3-4								1				
	R3-4	36 x 36	7	13.5'				1					
	SPEC 1										1		
	SPEC 1										1		
	SPEC 2										1		
	SPEC 3										1		
	SPEC 6	24 x 18	7	12'					1				
P-103	G9-5(CA)										1		
	G28-2(CA) MARKER										1		
	R1-1	18 x 18	7	12'				1					
	W4-2								1				
	R4-1												
	R1-1	18 x 18	7	12'				1			1		
	W7-5	18 x 18	7	13'				1					
P-104	SPEC 6	24 x 18	7	12'				1					
	SPEC 6	24 x 18	7	12'				1					
P-105	R1-1	18 x 18	7	12'				1					
	SPEC 6	24 x 18	7	12'				1					
P-106	SPEC 6	24 x 18	7	12'				1					
	SPEC 6	24 x 18	7	12'				1					
P-107	SPEC 6	24 x 18	7	12'				1					
	SPEC 6	24 x 18	7	12'				1					
P-109	R1-1	24 x 18	7	12'				1					
	SPEC 6	24 x 18	7	12'				1					
	R1-1	18 x 18	7	12'				1					
	SPEC 6	24 x 18	7	12'				1					
	SPEC 8										1		
	SPEC 3										1		
	W11-2	36 x 36	7		15.5'			1					
	W16-9P	30 x 18	7	12'				1					
	W7-5	18 x 18	7	12'				1					
	SPEC 3										1		
	R1-5	36 x 36	7	13.5'				1					
R1-1	18 x 18	7	12'				1						
SPEC 9										1			
W11-2										1			
W16-7P										1			
SHEET TOTAL								28		3		12	

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **SIGNAGE AND STRIPING PLAN - 14**

Size **ANSI D**

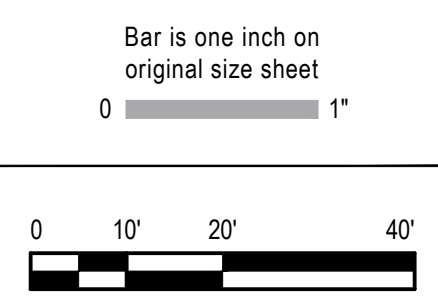
Status Code

Sheet No. **P-114** Sheet **112 of 195**

ROADSIDE SIGN QUANTITIES

SHEET NUMBER	SIGN DESIGNATION	SIGN PANEL SIZE	"C" DIM IN FEET	POST SIZE AND LENGTH				ROADSIDE SIGN		REMOVE ROADSIDE SIGN EACH	REMOVE ROADSIDE SIGN (SSBM) EACH	RESET ROADSIDE SIGN EACH	REMARKS
				4"x4"	4"x6"	6"x6"	6"x8"	ONE POST EACH	TWO POST EACH				
		INCHES											
P-109	W11-2	36 x 36	7		15.5'			1					
	W16-7P	30 x 18											
	R1-5	36 x 36	7	13.5'				1					
	W11-2	36 x 36											
	W16-7P	36 x 18						1					
	W11-2										1		
P-110	W16-7P	36 x 36 36 x 18	7		15.5'			1					
	R1-1										1		
	SPEC-6	24 x 18	7	12'				1					
	R1-2								1				
	R1-1										1		
	W7-5							1					
	SPEC 11										1		
	W3-1							1					
	R2-1										1		
	R-26(CA)										1		
	SPEC-6	24 x 18	7	12'				1					
	P-111	W3-1	18 X 18	7	12'				1				
W7-5		18 X 18	7	12'				1					
R1-1											1		
R1-1											1		
P-112	SPEC 12										1		
	R1-1										1		
	R1-1										1		
	R1-1	18 x 18	7	12'				1					
	R26(CA)										1		
	R2-1										1		
	W3-1										1		
	SPEC 13										1		
	W84(CA)										1		
	SPEC 14										1		
	R26(CA)										1		
	P-113	R1-1										1	
W84(CA)											1		
SPEC 13											1		
W84(CA)											1		
SPEC 13		12 x 18	7	12'				1				DISMOUNT	
SPEC 15											1		
SHEET TOTAL								9		1		26	
SHEET P-114 TOTAL								28		3		12	
GRAND TOTAL								37		4		38	

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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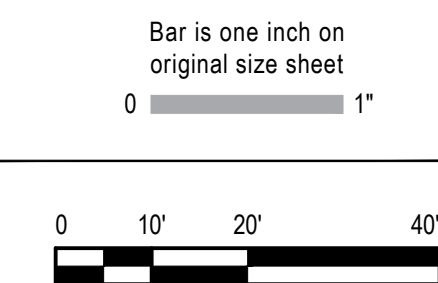
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	SIGNAGE AND STRIPING PLAN - 15
Size	ANSI D
Status Code	
Sheet No.	P-115
Sheet	113 of 195

ROADSIDE SIGN PANEL QUANTITIES

SHEET NUMBER	SIGN DESIGNATION	SIGN MESSAGE/ DESCRIPTION	PANEL SIZE L x D	PANEL AREA	BACKGROUND		LEGEND		PROTECTIVE OVERLAY	FURNISH SINGLE SHEET ALUMINUM SIGN			
					SHEETING COLOR	RETROFLECTIVE ASTM TYPE	SHEETING COLOR	RETROFLECTIVE ASTM TYPE		PREMIUM	UNFRAMED		FRAMED
			INCHES	SQFT					0.063"		0.080"	0.063"	0.080"
										SQFT	SQFT	SQFT	SQFT
P-101	W74(CA)	THRU TRAFFIC MERGE LEFT	48 x 48	16	YELLOW	XI	BLACK	PLAIN	X		16		
	W73A(CA)	RIGHT LANE TURNS RIGHT AHEAD	48 x 48	16	YELLOW	XI	BLACK	PLAIN	X		16		
P-102	D1-1c	BICYCLE DESTINATION	24 x 6	1	GREEN	XI	WHITE	VIII	X	1			
	R3-7(R)	RIGHT LANE MUST TURN RIGHT	36 x 36	9	WHITE	VIII	BLACK	PLAIN	X	9			
	D1-1c	BICYCLE DESTINATION	24 x 6	1	GREEN	XI	WHITE	VIII	X	1			
	R3-4	NO U-TURN	36 x 36	9	WHITE	VIII	BLACK	PLAIN	X	9			
P-103	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
	W7-5	HILL (BICYCLE)	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	2.25			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
	SPEC 6	WAYFINDING	24 x 18	3.0	WHITE	VIII	BLACK	PLAIN	X	3			
P-104	W4-10(CA)	HAIRPIN CURVE	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	2.25			
	W7-5	HILL (BICYCLE)	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	2.25			
P-105	W1-4	CURVE WARNING	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	2.25			
	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
P-106	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
P-107	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
P-109	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	2.25			
	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
	W11-2	PEDESTRIAN	36 x 36	9	YELLOW	XI	BLACK	PLAIN	X	9			
	W16-9P	AHEAD	30 x 18	3.75	YELLOW	XI	BLACK	PLAIN	X	3.75			
	W7-5	HILL (BICYCLE)	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	2.25			
	R1-5	YIELD HERE TO PEDS	36 x 36	9	WHITE	VIII	BLACK	PLAIN	X	9			
	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
	W11-2	PEDESTRIAN	36 x 36	9	YELLOW	XI	BLACK	PLAIN	X	9			
	W16-7P	DOWNWARD DIAGONAL ARROW	30 x 18	3.75	YELLOW	XI	BLACK	PLAIN	X	3.75			
	R1-5	YIELD HERE TO PEDS	36 x 36	9	WHITE	VIII	BLACK	PLAIN	X	9			
	W11-2	PEDESTRIAN	36 x 36	9	YELLOW	XI	BLACK	PLAIN	X	9			
	W16-7P	DOWNWARD DIAGONAL ARROW	36 x 18	3.75	YELLOW	XI	BLACK	PLAIN	X	3.75			
	W11-2	PEDESTRIAN	36 x 36	9	YELLOW	XI	BLACK	PLAIN	X	9			
	W16-7P	DOWNWARD DIAGONAL ARROW	36 x 18	3.75	YELLOW	XI	BLACK	PLAIN	X	3.75			
P-110	R1-1	STOP	18 x 18	2.25	RED	VIII	WHITE	VIII	X	2.25			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
	SPEC 6	WAYFINDING	24 x 18	3	WHITE	VIII	BLACK	PLAIN	X	3			
P-111	W3-1	STOP AHEAD	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	3.75			
	W7-5	HILL (BICYCLE)	18 x 18	2.25	YELLOW	XI	BLACK	PLAIN	X	2.25			
P-113	SPEC 15	DISMOUNT BIKE TO CROSS	12 x 18	1.5	YELLOW	XI	BLACK	PLAIN	X	1.5			
SUBTOTAL										78.5	32		

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager L. VAN PARYS
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Project No.	11220281
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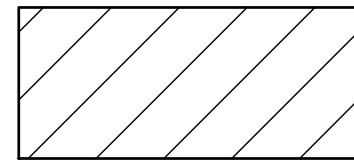
Title SIGNAGE AND STRIPING PLAN - 16

STRUCTURAL ABBREVIATIONS

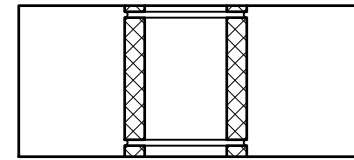
STRUCTURAL LEGEND

GENERAL STRUCTURAL NOTES

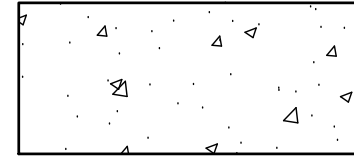
AB	ANCHOR BOLT	JT	JOINT
ABV	ABOVE	L	ANGLE
ACI	AMERICAN CONCRETE INSTITUTE	LBS	POUNDS
ADD'L	ADDITIONAL	LG	LONG
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LL	LIVE LOAD
AISI	AMERICAN IRON AND STEEL INSTITUTE	LLH	LONG LEG HORIZONTAL
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	LLV	LONG LEG VERTICAL
ALT	ALTERNATE	LOC	LOCATION
ALUM	ALUMINUM	LONGIT/LONGL	LONGITUDINAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LP	LOW POINT
APA	AMERICAN PLYWOOD ASSOCIATION	LT	LEFT
ARCH	ARCHITECT/ARCHITECTURAL	LVL	LAMINATED VENEER LUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LWR	LOWER
AWS	AMERICAN WELDING SOCIETY	MAINT	MAINTENANCE
AWWA	AMERICAN WATER WORKS ASSOCIATION	MAS	MASONRY
B/	BOTTOM OF	MAX	MAXIMUM
BB	BOTTOM BARS	MB	MACHINE BOLT
BLDG	BUILDING	MC	CHANNEL
BLKG	BLOCKING	MCJT	MASONRY CONTROL JOINT
BM	BEAM	MECH	MECHANICAL
BRG	BEARING	MFR	MANUFACTURER
BS	BOTH SIDES	MHHW	MEAN HIGHER HIGH WATER
BTWN	BETWEEN	MIN	MINIMUM
C	CHANNEL	MISC	MISCELLANEOUS
C/C	CENTER TO CENTER	MLLW	MEAN LOWER LOW WATER
CAP	CAPACITY	MNTG	MOUNTING
CBC	CALIFORNIA BUILDING CODE	MO	MASONRY OPENING
CFC	CUBIC FEET	MOD	MODIFIED
CHKD	CHECKED	MTL	METAL
CJ	CONTRACTION/CONTROL JOINT	(E)	NEW
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLR	CLEAR	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL
COL	COLUMN	NS	NEAR SIDE
CONC	CONCRETE	NTS	NOT TO SCALE
CONN.	CONNECTION	OC	ON CENTER
CONSTR	CONSTRUCTION	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	OF	OUTSIDE FACE
COORD	COORDINATE	OPG	OPENING
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	OPP	OPPOSITE
CTR/CTR'D	CENTER/CENTERED	PL	PLATE
d	PENNY (NAIL SIZE)	PLCS	PLACES
DBL	DOUBLE	PNL	PANEL
DEG	DEGREES	PREFAB	PREFABRICATED
DET	DETAIL	PT	POINT, PRESSURE TREATED
DIA	DIAMETER	QTY	QUANTITY
DIM	DIMENSION	RRAD	RADIUS
DL	DEAD LOAD	REF	REFERENCE
DWG	DRAWING	REINF	REINFORCING
DWL	DOWEL	REQD	REQUIRED
(E)EXIST	EXISTING	RF	ROOF
EA	EACH	RM	ROOM
EF	EACH FACE	SCHED/SCH	SCHEDULE
EL/ELEV	ELEVATION	SEC	SECTION
EMBED	EMBEDMENT	SF	SQUARE FEET
ENGR	ENGINEER	SHT	SHEET
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SP	SPACE/SPACES
ETC	ET CETERA	SPCG	SPACING
EW	EACH WAY	SPEC	SPECIFICATIONS
EWEF	EACH WAY EACH FACE	SST	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
FF	FINISHED FLOOR	STIFF	STIFFENER
FG	FINISHED GRADE	STL	STEEL
FIN	FINISH	STRUCT	STRUCTURAL
FL	FLOOR	SYM	SYMMETRICAL
FLG/FL	FLANGE	T	TOP
FND	FOUNDATION	T/	TOP OF
FO	FACE OF	T&B	TOP AND BOTTOM
FOM	FACE OF MASONRY	TB	TOP OF BAR
FOW	FACE OF WALL	THK	THICK
FPT	FEMALE PIPE THREAD	TOC	TOP OF CONCRETE
FRMG	FRAMING	TOS	TOP OF STEEL
FTG	FOOTING	TYP	TYPICAL
GA	GAUGE	UNO	UNLESS NOTED OTHERWISE
GALV	GALVANIZED	UNO	UNLESS OTHERWISE NOTED
GR	GRADE	VAR	VARIES
GWB	GYPSUM WALL BOARD	VERT	VERTICAL
HK	HOOK	W/	WITH
HM	HOLLOW METAL	W OR WF	WIDE FLANGE (BEAM)
HOF	HORIZONTAL OUTSIDE FACE	W/O	WITHOUT
HORIZ	HORIZONTAL	WP	WORK POINT
HSS	TUBE STEEL/HOLLOW STRUCTURAL STEEL	WS	WATERSTOP
HT	HEIGHT	WT	TEE
IBC	INTERNATIONAL BUILDING CODE	&	AND
ID	INSIDE DIAMETER	@	AT
IE	THAT IS	°	DEGREE
INFO	INFORMATION	Ø	DIAMETER
INT	INTERIOR	'	FEET
INTERMED	INTERMEDIATE	"	INCHES
INTERSECT	INTERSECTION	#	NUMBER
INV	INVERT	±	PLUS OR MINUS



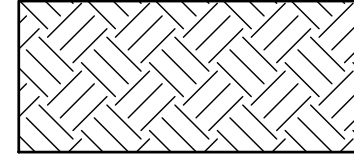
CMU IN PLAN



CMU IN SECTION



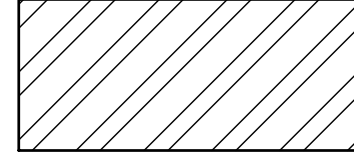
CONCRETE IN SECTION



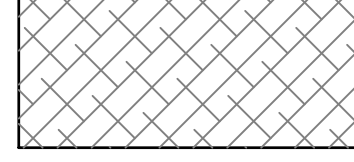
EARTH IN SECTION



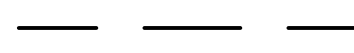
GROUT IN SECTION



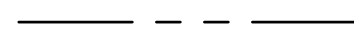
STEEL IN SECTION



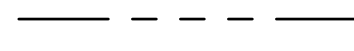
VOID FORM IN SECTION



FOOTING



SLAB CONSTRUCTION JOINT

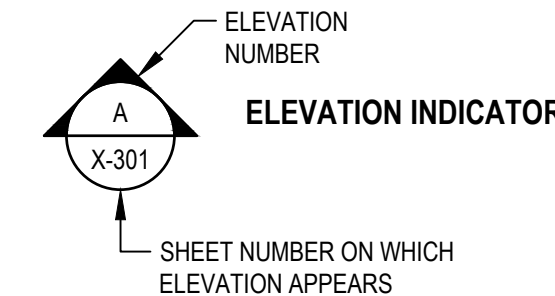
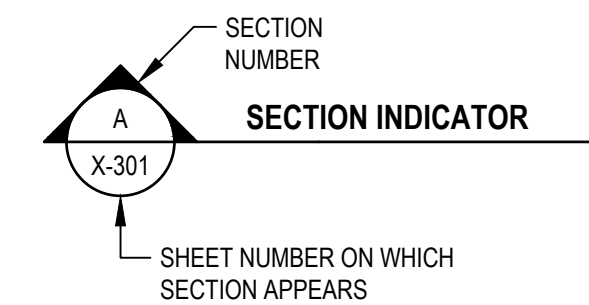
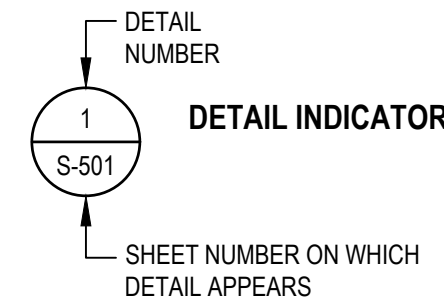


SLAB CONTROL JOINT

GENERAL

1. CONTRACTOR TO COORDINATE ALL STRUCTURAL DOCUMENTS WITH ALL OTHER DISCIPLINES AND REPORT ANY DISCREPANCIES TO THE OWNER PRIOR TO THE START OF ANY FABRICATION OR CONSTRUCTION.
2. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER PRIOR TO CONSTRUCTION.
3. ABBREVIATIONS ON THIS SHEET APPLY ONLY TO THE STRUCTURAL DRAWINGS, REFER TO OTHER DISCIPLINES FOR APPLICABLE SYMBOLS NOT PROVIDED HERE.
4. THIS IS A STANDARD ABBREVIATION AND LEGEND SHEET, THEREFORE, SOME ABBREVIATIONS AND LEGEND SYMBOLS MAY APPEAR ON THIS SHEET AND MAY NOT BE UTILIZED ON THIS PROJECT.
5. DO NOT SCALE DRAWINGS.

ANNOTATION



No.	Issue	Checked	Approved	Date
Author	GP	Drafting Check MJ	Project Manager L. VAN PARYS	
Designer	GP	Design Check MJ	Project Director K. VEDULA	



Bar is one inch on original size sheet
0 1"



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Title **STRUCTURAL ABBREVIATIONS, LEGEND, AND GENERAL NOTES**

Size **ANSI D**
Status Code
Sheet No. **S-001**
Sheet 115 of 195

STRUCTURAL GENERAL NOTES

GENERAL

- DESIGN CRITERIA: 2019 CALIFORNIA BUILDING CODE (2019 CBC)
ASCE 7-16
ACI 318-14
- LOADS:
RISK CATEGORY = II
GROUND SNOW LOAD: $P_g = 0$ PSF
WIND LOADS:
MAIN FORCE RESISTING SYSTEM:
BASIC WIND SPEED: $V = 91$ MPH
EXPOSURE CATEGORY: C
SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR: $I_e = 1.0$
SEISMIC DESIGN CATEGORY: D
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
 $S_s = 1.334$ g $S_1 = 0.492$ g
SOIL SITE CLASS: D
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
 $S_{DS} = 0.890$ g $S_{D1} = 0.593$ g
RESPONSE MODIFICATION COEFFICIENT:
R = 5
BASE SHEAR:
 $V = 0.178W$
- REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.
- THESE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE THE DRAWINGS.
- PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHOM IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
- REFER TO CIVIL DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL AND PLUMBING TRADES. SUBMIT FINAL SIZING AND LOCATION REQUIREMENTS OF OPENINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THIS WORK.
- UNLESS NOTED OTHERWISE, REFER TO DRAWINGS OTHER THAN STRUCTURAL FOR FINISHES, SLOPES, DEPRESSIONS, OPENINGS, CURBS, STAIRS, RAMPS, TRENCHES, EQUIPMENT AND LOCATIONS AND EXTENT OF SUCH CONDITIONS.
- CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- DETAILS OR CONDITIONS NOT FULLY DEVELOPED ON STRUCTURAL DOCUMENTS ARE SIMILAR TO DEVELOPED DETAILS.
- SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR WATERPROOFING, DAMP-PROOFING, AND DRAINAGE REQUIREMENTS.
- REFER TO GEOTECHNICAL REPORT FOR SITE CONDITIONS, EXCAVATION, SHORING REQUIREMENTS, UNDERPINNING, BACKFILL BEHIND WALLS AND SUBDRAINAGE PREPARATIONS.
- ALL BUILDING FOUNDATION PLANS, FLOOR PLANS AND ROOF PLANS TO BE COORDINATED WITH GENERAL NOTES AND TYPICAL DETAILS AS APPLICABLE.

FOUNDATIONS

- PRIOR TO CONSTRUCTION, CITY'S GEOTECHNICAL CONSULTANT TO REVIEW SUBGRADE PREPARATION TO CONFIRM ANY UNDOCUMENTED FILL TO BE REMOVED AND REPLACED.
- PER THE GEOTECHNICAL REPORT BY MCMILLEN JACOBS ASSOCIATES DATED MARCH 24, 2023, A SOIL BEARING CAPACITY OF 1,500 PSF FOR DEAD LOAD PLUS LONG-TERM LIVE LOAD SHALL BE USED. FOR DESIGN WITH SHORT-TERM LIVE LOADS (WIND AND SEISMIC), THE BEARING CAPACITY MAY BE INCREASED TO 2,000 PSF.
- CONTRACTOR SHALL PREPARE SITE AND PROVIDE FILL IN ACCORDANCE WITH THE EARTHWORK SPECIFICATION.
- GEOTECHNICAL INSPECTOR TO BE PRESENT TO OBSERVE SITE PREPARATION AND EXCAVATION AS WELL AS FILL EXCAVATION AND RE-COMPACTION PROVIDED IN THE EARTHWORK SPECIFICATION.
- PROVIDE SITE DE-WATERING AS NECESSARY TO ACHIEVE THE WORK. WATER SHALL BE TESTED PRIOR TO DISPOSAL.
- LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.
- REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.
- NOTIFY THE OWNER'S REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS UTILITY LINES, FOUNDATIONS, ETC., ARE FOUND.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.
- REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE.
- EXCAVATIONS FOR FOUNDATIONS MUST BE ACCEPTED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLACING REINFORCING AND CONCRETE. NOTIFY THE OWNER'S REPRESENTATIVE WHEN EXCAVATIONS ARE READY FOR INSPECTION.

SPECIAL INSPECTION

- SPECIAL INSPECTIONS PER CBC 1704 AND 1705 AND AS NOTED IN THE TABLES ON THIS SHEET.

CONCRETE

- ALL CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3600 PSI AT 28 DAYS.
- ALL CONCRETE DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS. CONTRACTOR TO REVIEW FORMING, REINFORCING DETAILS AND ANY EMBEDDED ITEMS AND DETERMINE PRIOR TO FABRICATION OF ANY REINFORCING, PLACEMENT REQUIREMENTS AND CLEARANCES.
- CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO ¼ INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES. LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS. SUBMIT ALTERNATE JOINT LOCATIONS OR JOINTS NOT SHOWN TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
- AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN CONTACT SURFACES TO ¼ INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES. EXISTING SURFACE SHALL BE SATURATED SURFACE DRY WITH NO STANDING WATER PRIOR TO NEW CONCRETE POUR.
- CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS, UNLESS OTHERWISE NOTED:

LOCATION	CLEAR COVER
CONCRETE PLACED AGAINST EARTH	3 INCHES
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: #6 BARS AND LARGER #5 BARS AND SMALLER	2 INCHES 1 1/2 INCHES
SLABS ON GRADE (TOP CLEARANCE)	1 1/2 INCHES
BEAMS, GIRDERS AND COLUMNS NOT EXPOSED TO WEATHER OR EARTH	1 1/2 INCHES
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH #5 AND SMALLER #5 AND #7 #8, #9, #10 AND #11 #14 AND #18	3/4 INCH 1 INCH 1 1/2 INCHES 2 1/2 INCHES

- NON-SHRINK GROUT, 7000 PSI: EUCLID CHEMICAL COMPANY'S "EUCCO-NS", L&M CRYSTEX, MASTER BUILDERS' "MASTERFLOW 713", OR FIVE STAR GROUT. WHERE HIGH FLUIDITY OR INCREASED PLACING TIME IS REQUIRED, USE EUCLID CHEMICAL COMPANY'S "EUCCO HI-FLOW GROUT", MASTER BUILDERS' "MASTERFLOW 928", OR APPROVED EQUAL.
- EPOXY ANCHORS AND DOWELS:
 - EPOXY SHALL BE ONE OF THE FOLLOWING, UNO
HILT HIT-RE 500 (ICC-ES REPORT ESR-3814)
 - RODS EMBEDDED IN EPOXY SHALL BE CARBON STEEL THREADED RODS PER THE EPOXY MANUFACTURER'S TEST REPORT.
 - REINFORCING STEEL BARS EMBEDDED IN EPOXY SHALL BE ASTM A615, GRADE 60, UNO.
 - TESTING SHALL OCCUR AFTER EPOXY HAS CURED, AS PER MANUFACTURER'S RECOMMENDATIONS.

FORMWORK

- PROVIDE POUR POCKETS IN FORMS AND UNDER EXISTING STRUCTURAL MEMBERS AS REQUIRED TO PREVENT AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE EXISTING MEMBERS. CONCRETE CAST WITH AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE MEMBERS IS NOT ACCEPTABLE.
- PROVIDE CURING WHERE FORMS ARE REMOVED IN LESS THAN 7 DAYS INCLUDING, BUT NOT LIMITED TO, WALLS, COLUMNS, AND UNDERSIDE OF ELEVATED SLABS.

REINFORCING STEEL

- ALL CONCRETE REINFORCING SHALL BE ASTM A615, GRADE 60.
- REINFORCING SHALL EXTEND CONTINUOUS FOR THE DIMENSION SHOWN.
- NO WELDING OF ANY REINFORCING IS PERMITTED.
- LOCATE ALL REINFORCING AS SHOWN ON DRAWINGS AND FASTEN SECURELY.
- ALL REINFORCING TO TERMINATE WITH STANDARD HOOKS AS SHOWN ON PLANS. ALL STIRRUPS AND TIES TO BE CLOSED WITH 135 DEGREE BENDS.
- ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS AT A MAXIMUM 3-FOOT SPACING.

DEFERRED SUBMITTALS:

- IN ACCORDANCE WITH IBC SECTION 107.3.4.1 SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. THE FOLLOWING ITEMS WILL BE DEFINED AS DEFERRED SUBMITTAL ITEMS:
 - EQUIPMENT ANCHORAGE
 - GUARDRAILS, HANDRAILS, AND ALL ATTACHMENTS

TABLE 1705.3 - CONCRETE

ITEM	DESCRIPTION	REFERENCE STANDARD
ITEM 1:	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI-318, SECTIONS 3.5, 7.1 - 7.7
ITEM 2:	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B <input type="checkbox"/> PERIODIC <input checked="" type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: AWS D1.4, ACI 318: 3.5.2
ITEM 3:	INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI 318, SECTIONS 8.1.3, 21.1.8
ITEM 4:	INSPECTION OF ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS <input type="checkbox"/> PERIODIC <input checked="" type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI 318, SECTIONS 8.1.3, 21.1.8
ITEM 5:	VERIFYING USE OF REQUIRED DESIGN MIX. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI 318, CHAPTER 4 AND SECTIONS 5.2-5.4
ITEM 6:	AT TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE. <input type="checkbox"/> PERIODIC <input checked="" type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ASTM C172, ASTM C31, ACI 318, SECTIONS 5.6 AND 5.8
ITEM 7:	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES. <input type="checkbox"/> PERIODIC <input checked="" type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI 318, SECTIONS 5.9 AND 5.10
ITEM 8:	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI 318, SECTIONS 5.11 - 5.13
ITEM 9:	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	REFERENCE STANDARD: ACI 318, SECTIONS 6.1.1

TABLE 1705.6 - SOILS AND FOUNDATION

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOIL	
SCOPE: A. TYPE	
1) VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	
2) VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	
3) PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	
4) VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. <input type="checkbox"/> PERIODIC <input checked="" type="checkbox"/> CONTINUOUS	
5) PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY. <input checked="" type="checkbox"/> PERIODIC <input type="checkbox"/> CONTINUOUS	

No.	Issue	Checked	Approved	Date
Author	GP	Drafting Check	MJ	Project Manager
Designer	GP	Design Check	MJ	Project Director
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				K. VEDULA



Bar is one inch on original size sheet
0 ————— 1"



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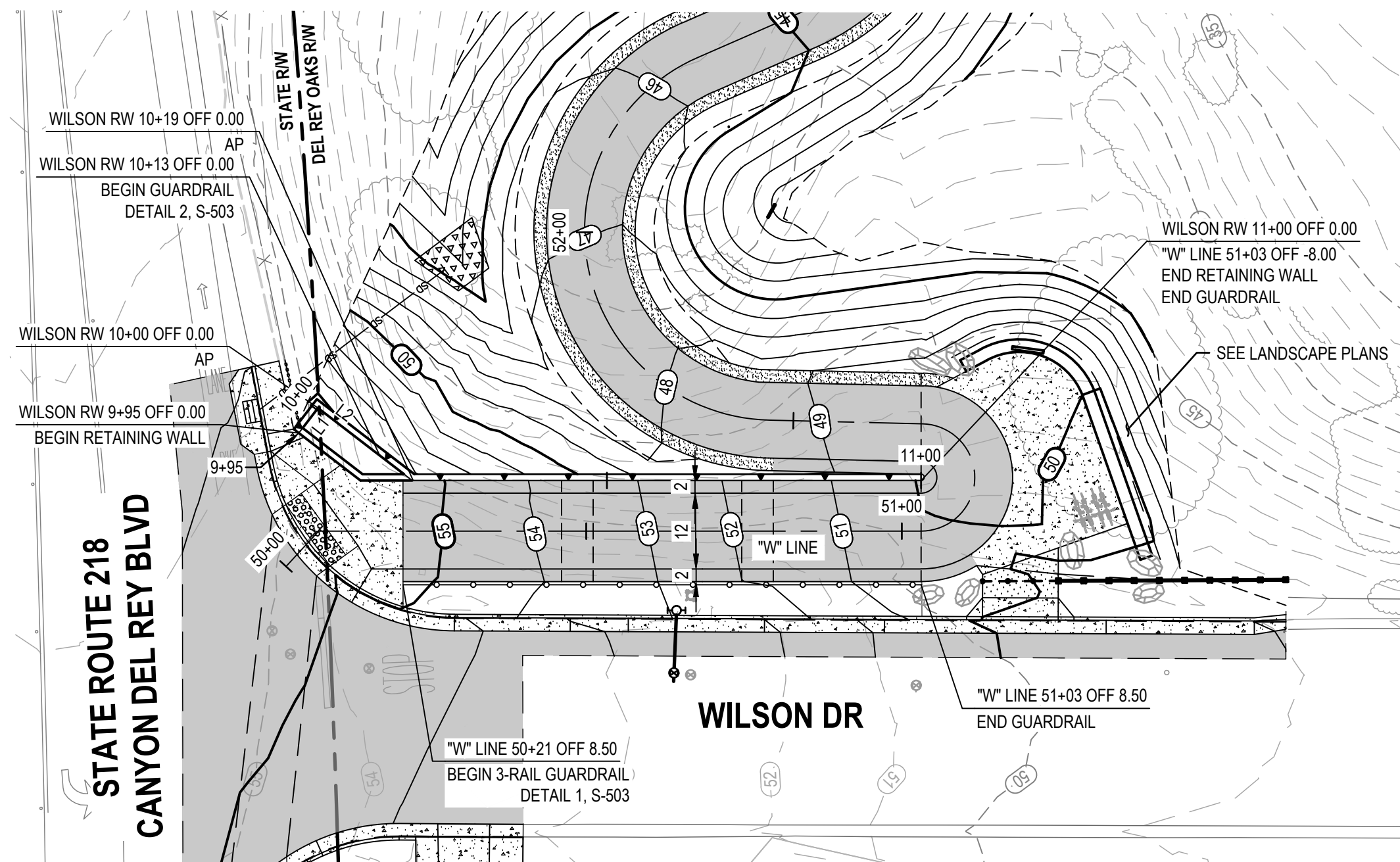
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **STRUCTURAL GENERAL NOTES AND STRUCTURAL SPECIAL INSPECTIONS**

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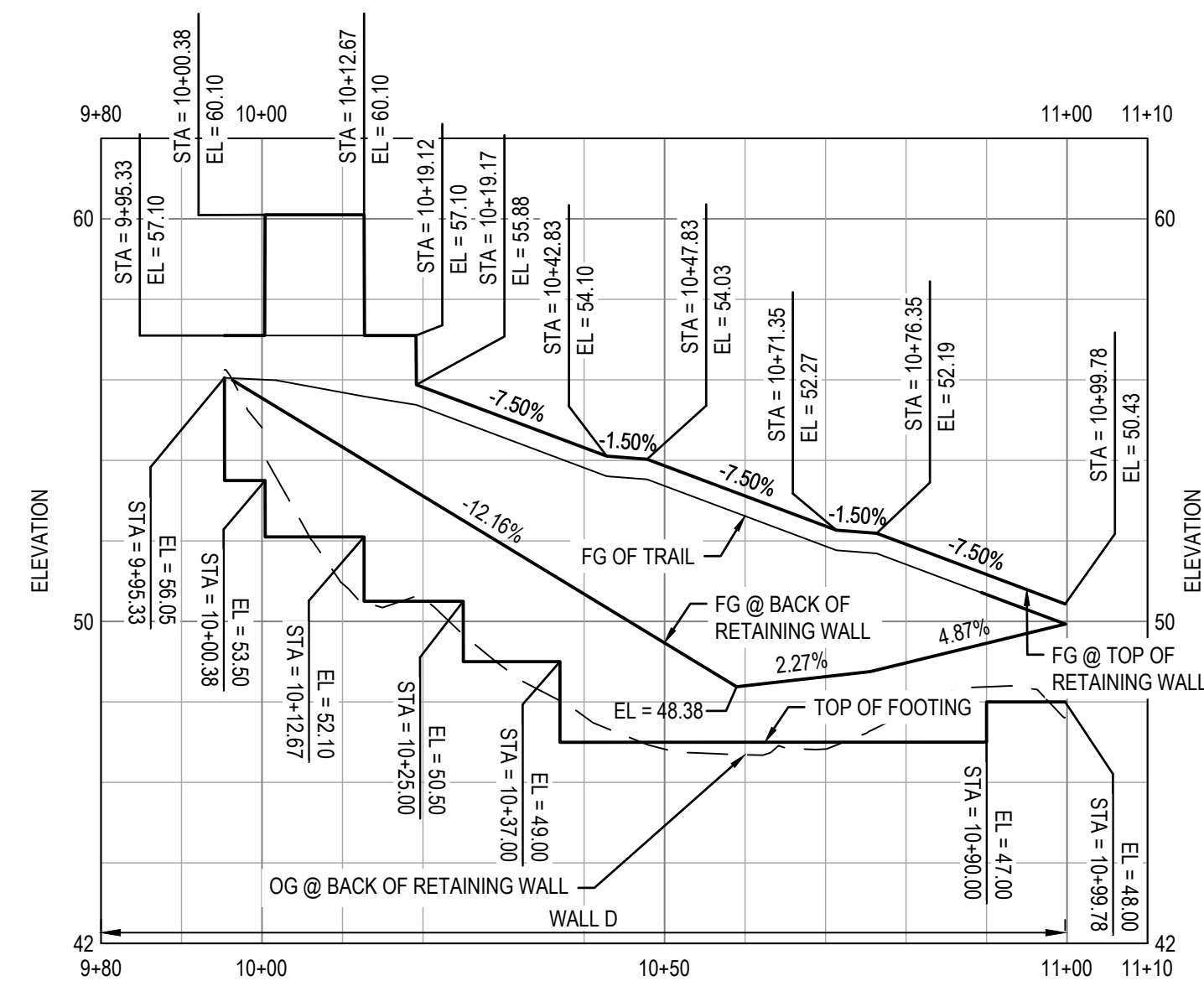
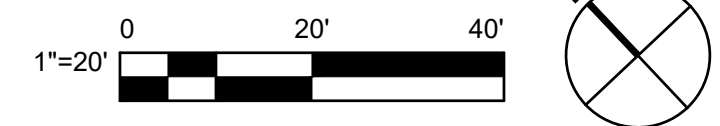
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Sheet No. **S-002** of 195

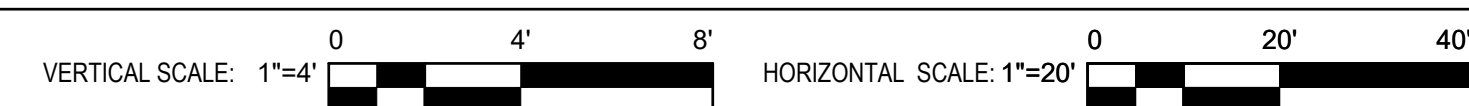


LINE TABLE: WILSON RW				
LINE #	LENGTH	BEARING	START POINT	END POINT
L1	5.00'	S07°41'23"E	(2113092.3804, 5725348.9509)	(2113087.4254, 5725349.6200)
L2	18.84'	S82°18'37"W	(2113087.4254, 5725349.6200)	(2113084.9044, 5725330.9491)

1 IMPROVEMENT PLAN - WILSON RETAINING WALL



2 PROFILE - WILSON RETAINING WALL

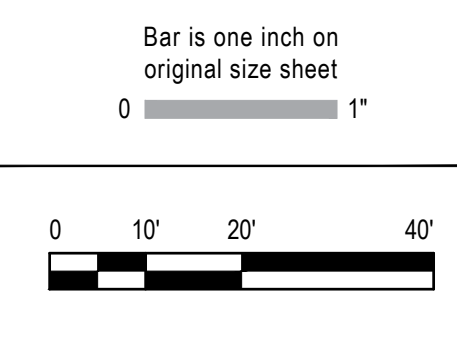


LEGEND

- MINOR CONCRETE
- HOT MIX ASPHALT
- STAMPED MINOR CONCRETE PATTERN
SEE LANDSCAPE PLANS
- SLURRY SEAL
- AGGREGATE BASE (CLASS II)
- DETECTABLE WARNING SURFACE
- ROCK SLOPE PROTECTION
SEE DRAINAGE PLANS
- DECOMPOSED GRANITE
- GUARDRAIL WITH PICKETS
PER DETAIL 2, SHEET S-503
- 3-RAIL GUARDRAIL PER
DETAIL 1, SHEET S-503
- RETAINING WALL
- CHAIN LINK FENCE
- GRADING LIMITS
- WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	XX	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

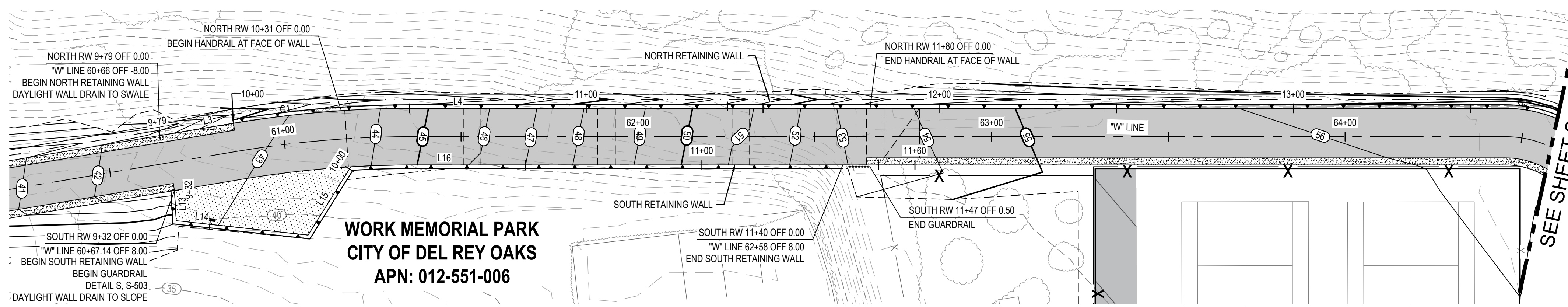
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **STRUCTURAL PROFILE - 1**

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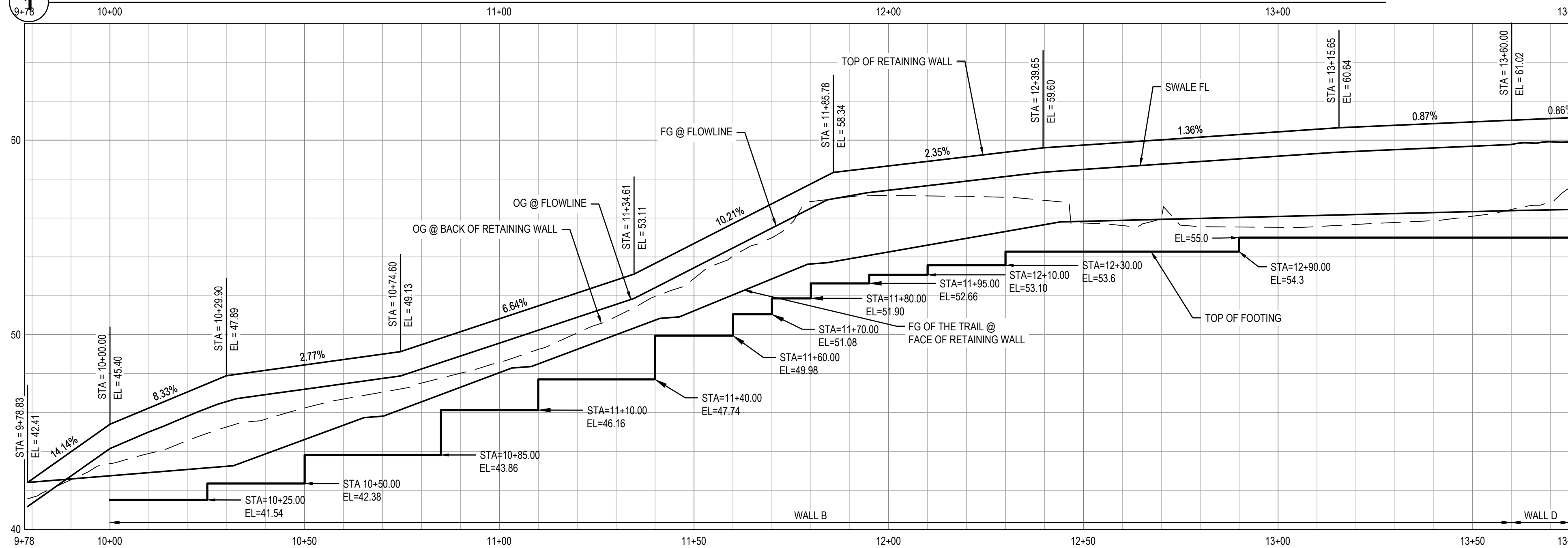
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Sheet No. **S-101** Sheet **117 of 195**

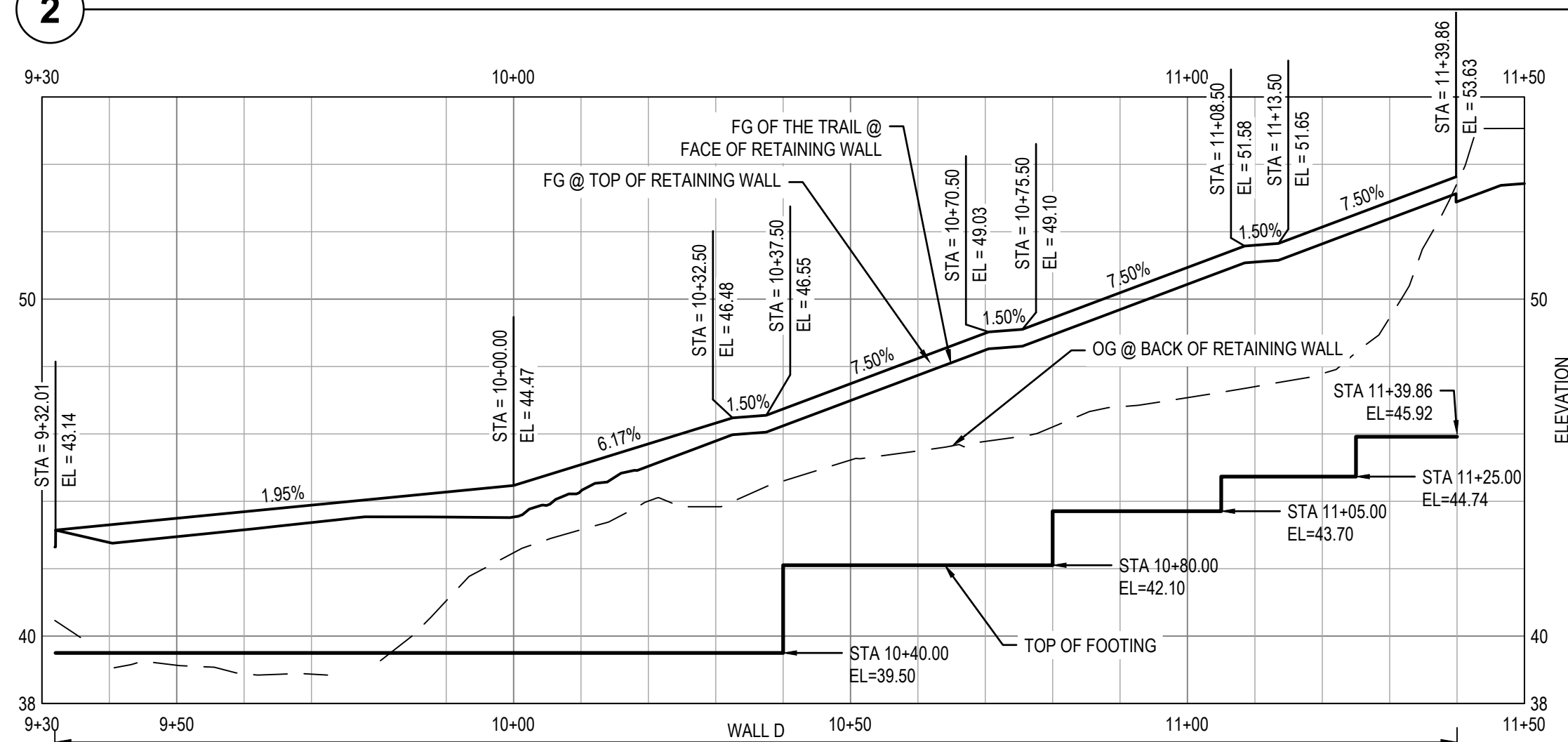


WORK MEMORIAL PARK
CITY OF DEL REY OAKS
 APN: 012-551-006

1 IMPROVEMENT PLAN - WORK MEMORIAL NORTH & SOUTH RETAINING WALLS



2 PROFILE - WORK MEMORIAL NORTH RETAINING WALL



2 PROFILE - WORK MEMORIAL SOUTH RETAINING WALL

LINE TABLE: NORTH RW

LINE #	LENGTH	BEARING	START POINT	END POINT
L3	21.17'	S88°46'35"E	(2112555.3753, 5725926.0180)	(2112544.4023, 5725944.1197)
L4	308.83'	S49°20'11"E	(2112514.4981, 5725985.4055)	(2112313.2571, 5726219.6705)

CURVE TABLE: NORTH RW

Curve #	Alignment Name	Radius	Length	Chord Direction	Start Point	End Point
C1	RW - WP TRAIL NORTH	308.00'	51.04'	S54°05'00"E	(2112544.402, 5725944.120)	(2112514.498, 5725985.406)

LINE TABLE: SOUTH RW

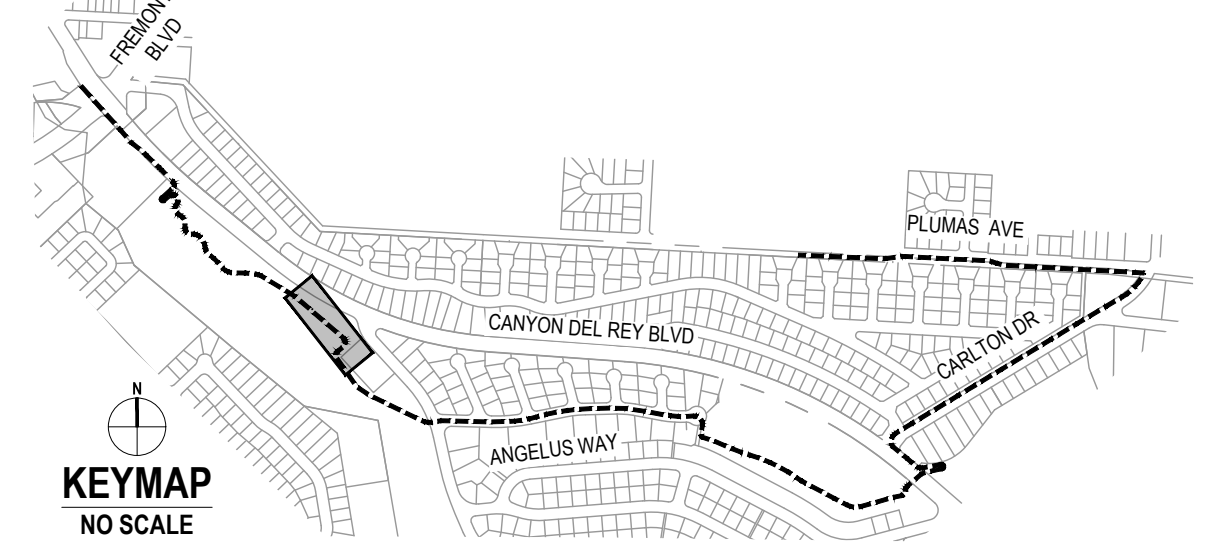
LINE #	LENGTH	BEARING	START POINT	END POINT
L13	8.54'	S37°18'11"W	(2112540.8451, 5725919.0867)	(2112534.0541, 5725913.9128)
L14	37.50'	S43°07'08"E	(2112534.0541, 5725913.9128)	(2112506.6829, 5725939.5433)
L15	22.77'	N72°46'39"E	(2112506.6829, 5725939.5433)	(2112513.4237, 5725961.2893)
L16	141.90'	S49°20'11"E	(2112502.3411, 5725975.0032)	(2112409.8762, 5726082.6418)

SHEET GENERAL NOTES

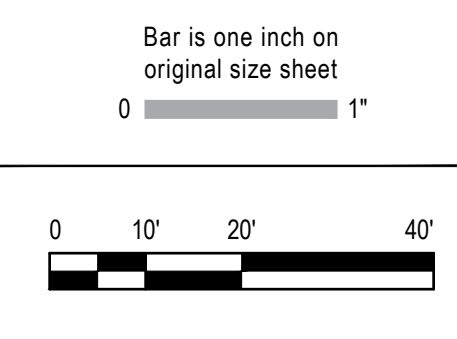
SHEET KEYNOTES

LEGEND

	MINOR CONCRETE		AGGREGATE BASE (CLASS II)
	HOT MIX ASPHALT		DETECTABLE WARNING SURFACE
	STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS		ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
	SLURRY SEAL		DECOMPOSED GRANITE
	GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503		RETAINING WALL
	3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503		CHAIN LINK FENCE
			GRADING LIMITS
			WOOD FENCE



No.	Issue	Author	Checked	Approved	Date
1	Issue	EM	SG	L. VAN PARYS	
2	Issue	XX	SG	K. VEDULA	



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Project No.	11202281
Date	December 1, 2023
Scale	AS SHOWN

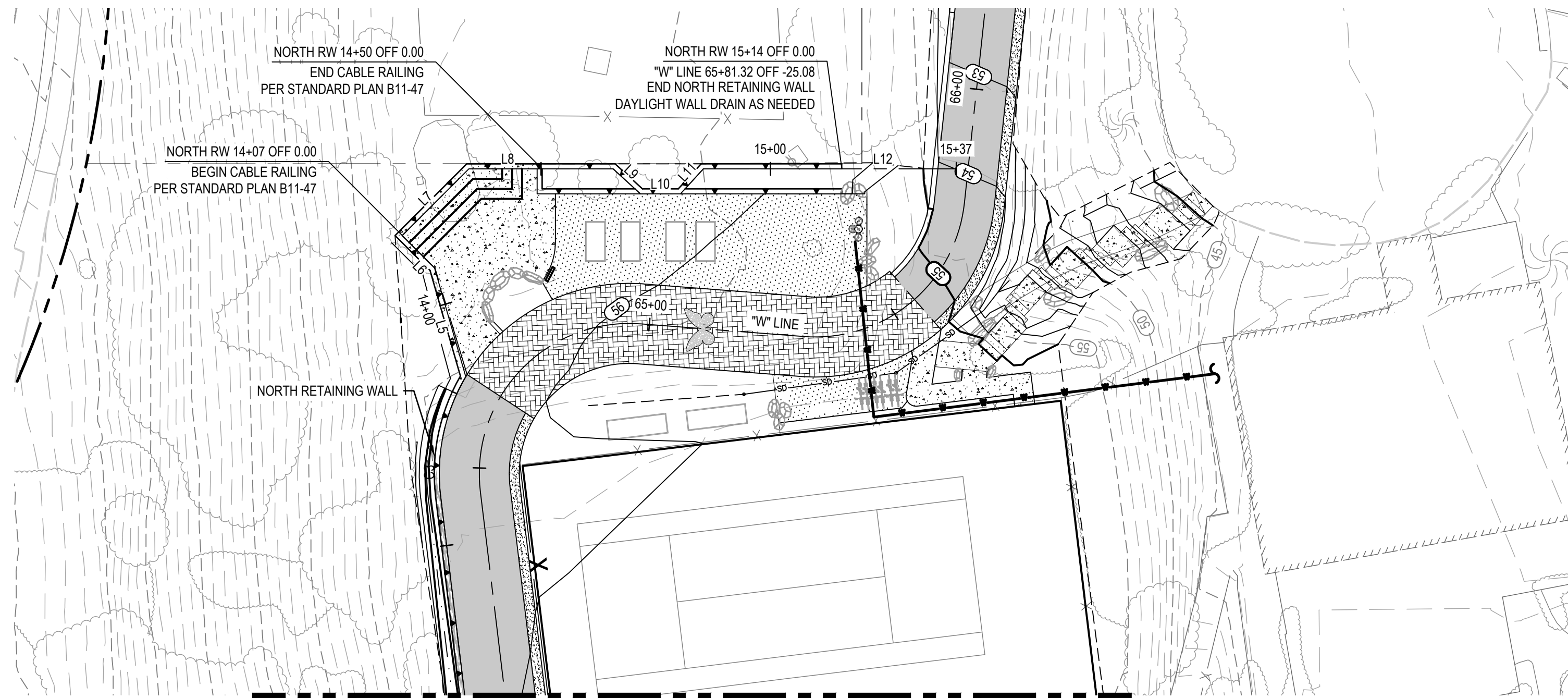
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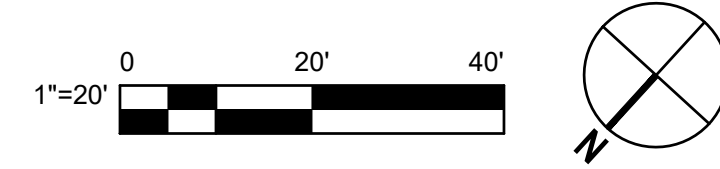
Sheet No.: **S-102**

Sheet: 118 of 195



SEE SHEET S-102

1 IMPROVEMENT PLAN - BUTTERFLY GARDEN RETAINING WALL

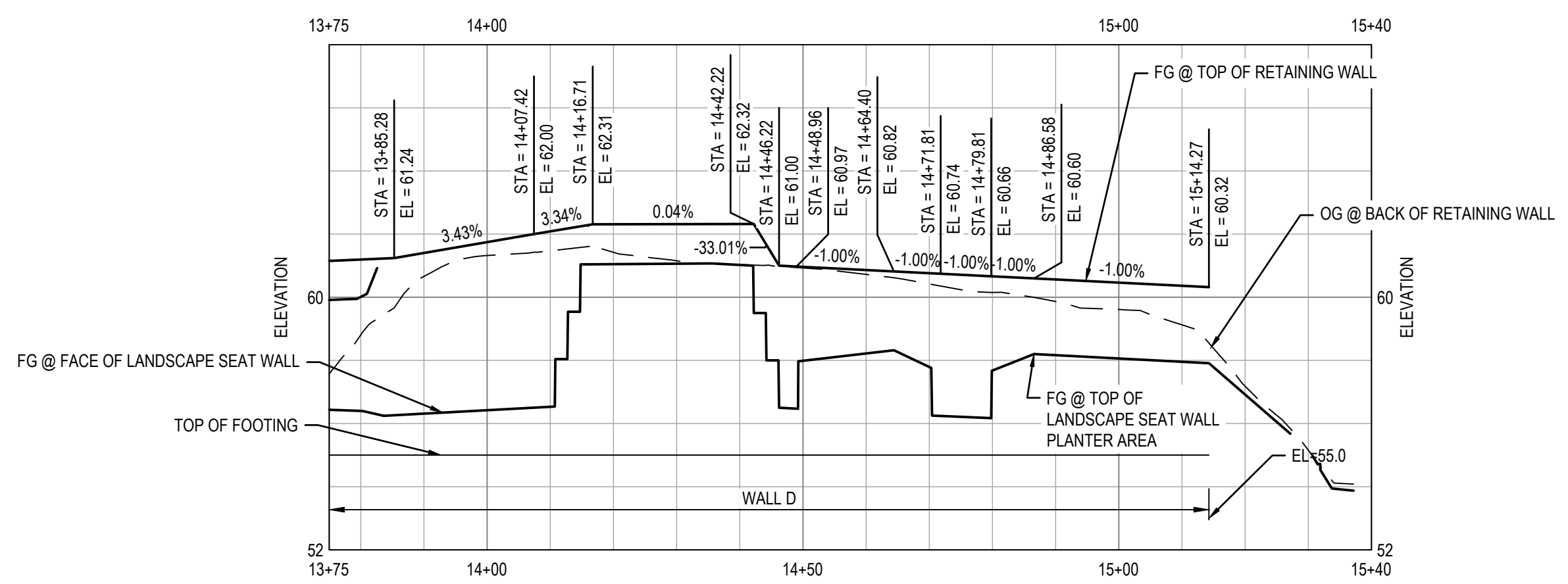


SHEET GENERAL NOTES

SHEET KEYNOTES

LEGEND

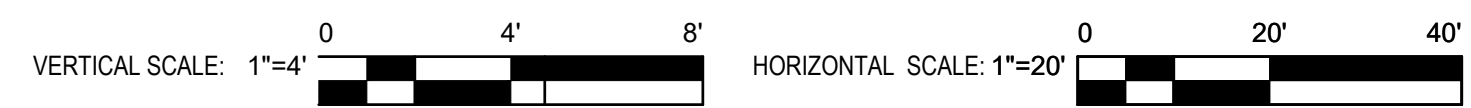
- MINOR CONCRETE
- HOT MIX ASPHALT
- STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS
- SLURRY SEAL
- AGGREGATE BASE (CLASS II)
- DETECTABLE WARNING SURFACE
- ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
- DECOMPOSED GRANITE
- GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503
- CHAIN LINK FENCE
- RETAINING WALL
- 3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503
- GRADING LIMITS
- WOOD FENCE



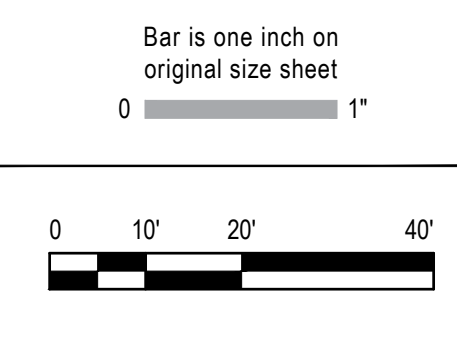
LINE #	LENGTH	BEARING	START POINT	END POINT
L5	22.14'	S59°16'24"E	(2112291.6980, 5726232.2079)	(2112280.3865, 5726251.2385)
L7	18.85'	S02°34'07"W	(2112279.9698, 5726260.5238)	(2112261.1378, 5726259.6790)
L8	28.84'	S47°34'07"W	(2112261.1378, 5726259.6790)	(2112241.6826, 5726238.3961)
L9	7.41'	N90°00'00"W	(2112241.6826, 5726238.3961)	(2112241.6826, 5726230.9854)
L10	8.00'	S47°34'07"W	(2112241.6826, 5726230.9854)	(2112236.2849, 5726225.0807)
L11	6.77'	S00°00'00"W	(2112236.2849, 5726225.0807)	(2112229.5107, 5726225.0807)
L12	50.57'	S47°34'07"W	(2112229.5107, 5726225.0807)	(2112195.3908, 5726187.7557)

Curve #	Alignment Name	Radius	Length	Chord Direction	Start Point	End Point
C3	RW - WP TRAIL NORTH	38.00	25.41	S30°10'47"E	(2112313.257, 5726219.670)	(2112291.698, 5726232.208)

2 PROFILE - BUTTERFLY GARDEN RETAINING WALL



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	XX	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



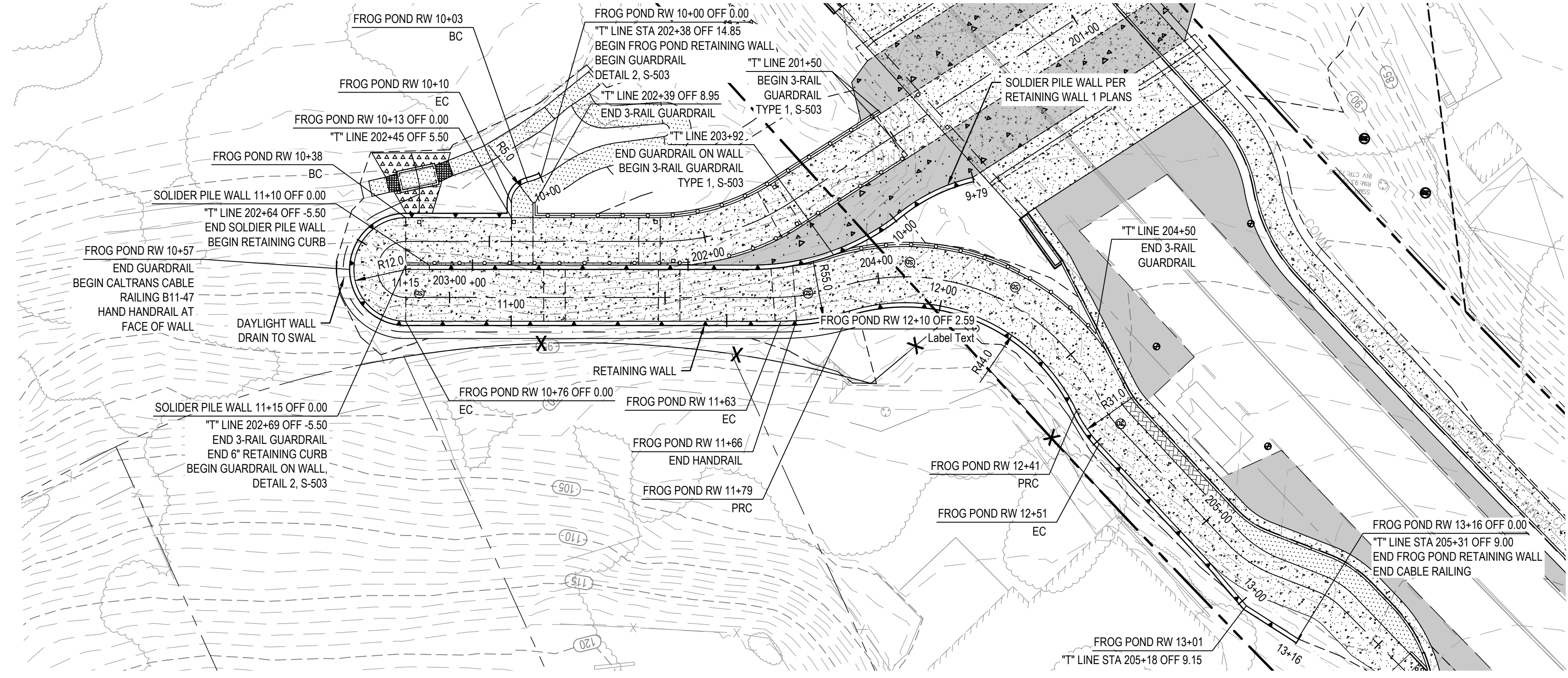
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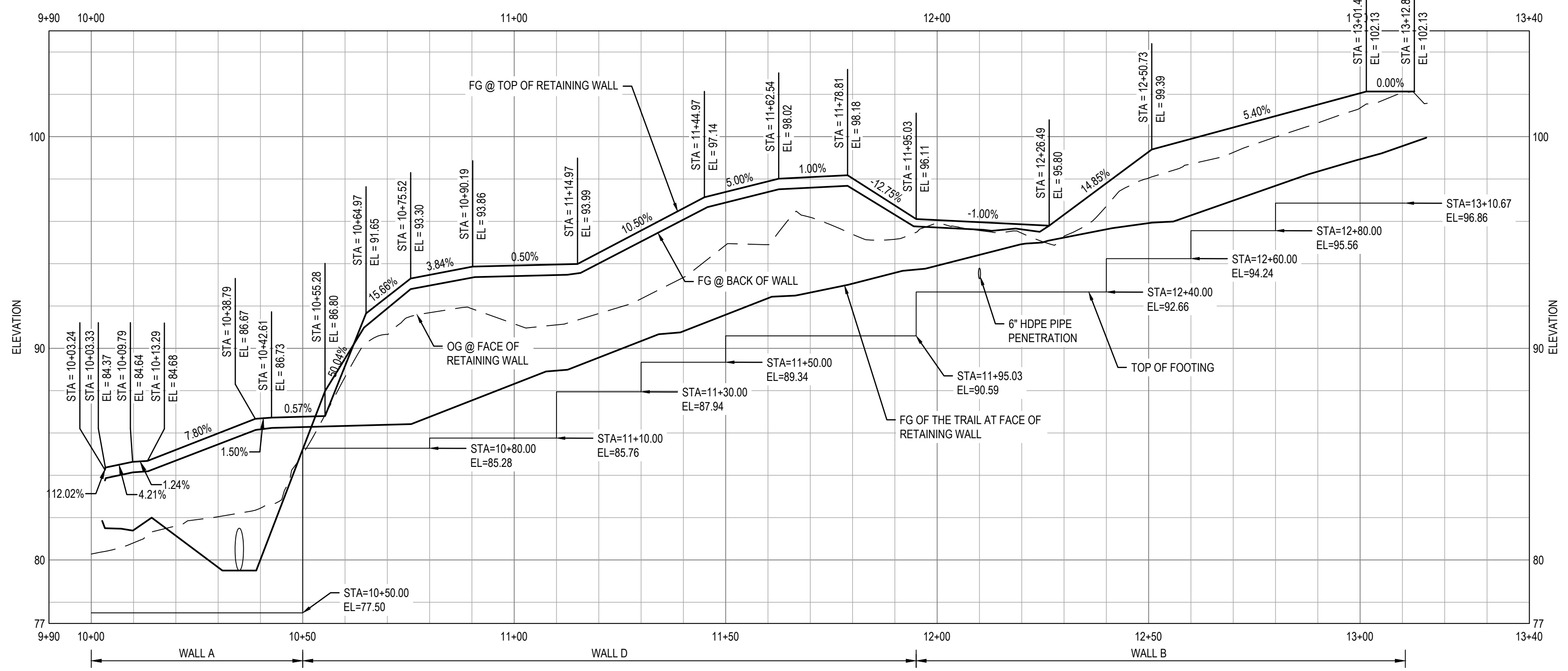
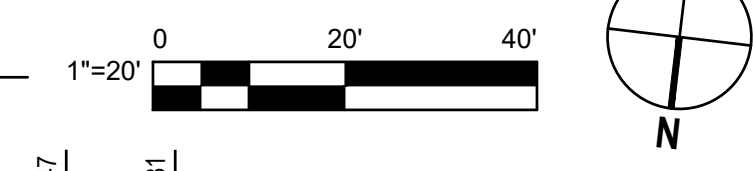
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

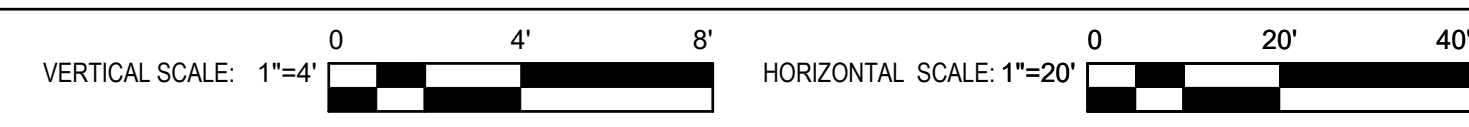
Title		STRUCTURAL PROFILE - 3	
Project No.	Date	Scale	Size
11220281	December 1, 2023	AS SHOWN	ANSI D
Sheet No.		Sheet	
S-103		119 of 195	



1 IMPROVEMENT PLAN - FROG POND RETAINING WALL



2 PROFILE - FROG POND RETAINING WALL

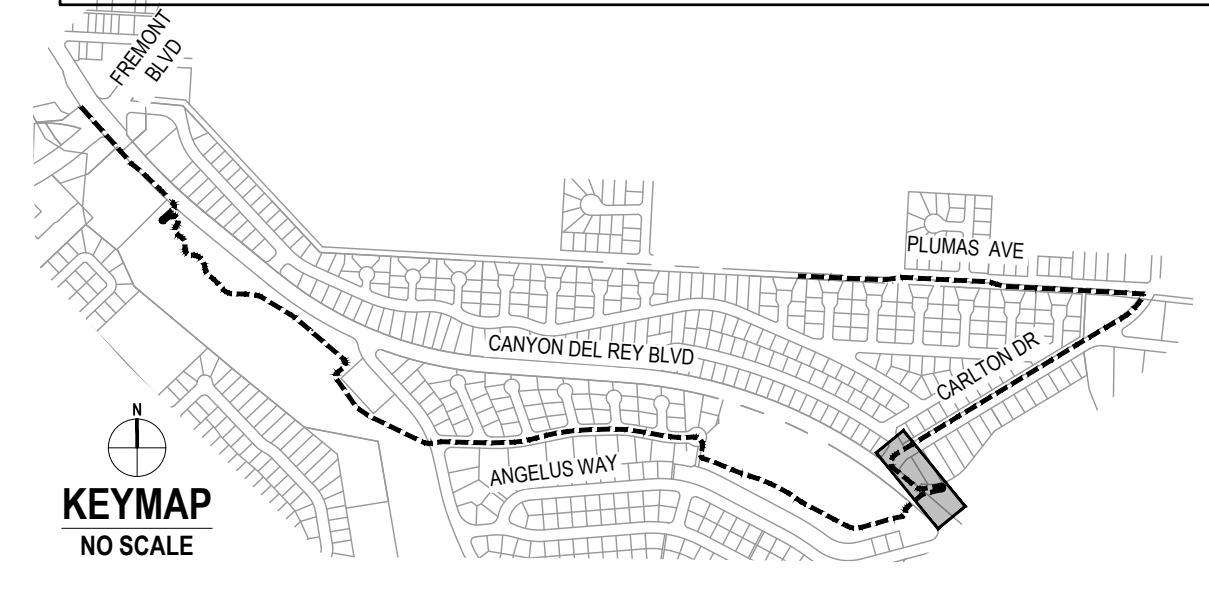


SHEET GENERAL NOTES

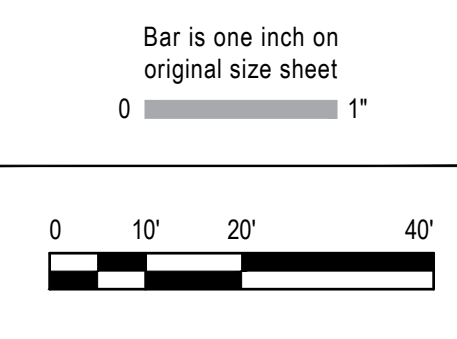
SHEET KEYNOTES

LEGEND

- MINOR CONCRETE
- HOT MIX ASPHALT
- STAMPED MINOR CONCRETE PATTERN SEE LANDSCAPE PLANS
- SLURRY SEAL
- AGGREGATE BASE (CLASS II)
- DETECTABLE WARNING SURFACE
- ROCK SLOPE PROTECTION SEE DRAINAGE PLANS
- DECOMPOSED GRANITE
- GUARDRAIL WITH PICKETS PER DETAIL 2, SHEET S-503
- 3-RAIL GUARDRAIL PER DETAIL 1, SHEET S-503
- RETAINING WALL
- CHAIN LINK FENCE
- GRADING LIMITS
- WOOD FENCE



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	XX	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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Client
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Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **STRUCTURAL PROFILE - 4**

Size **ANSI D**

Status Code

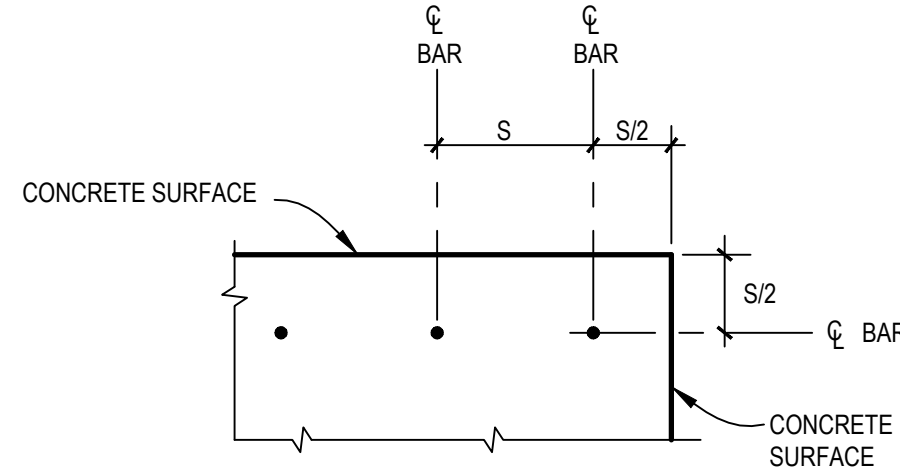
Sheet No. **S-104** Sheet **120 of 195**

DEVELOPMENT LENGTH (l_d)				
BAR SIZE	3000 PSI CONC (f_c)		4000 PSI CONC (f_c)	
	TOP	OTHER	TOP	OTHER
#3	22	17	19	15
#4	29	22	25	19
#5	36	28	31	24
#6	43	33	37	29
#7	63	48	54	42

TENSION LAP SPLICE LENGTH (CLASS 'B' SPLICE)				
BAR SIZE	3000 PSI CONC (f_c)		4000 PSI CONC (f_c)	
	TOP	OTHER	TOP	OTHER
#3	28	22	25	19
#4	37	29	33	25
#5	47	36	41	31
#6	56	43	49	37
#7	81	63	71	54

NOTES:

- LENGTHS SHOWN ARE FOR GRADE 60 UNCOATED BARS.
- LENGTHS SHOWN ARE IN INCHES.
- INCREASE LENGTHS 30% FOR LIGHT WEIGHT CONCRETE
- TOP BARS: HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THEM.
- THE QUANTITY 's' IS DEFINED AS FOLLOWS:

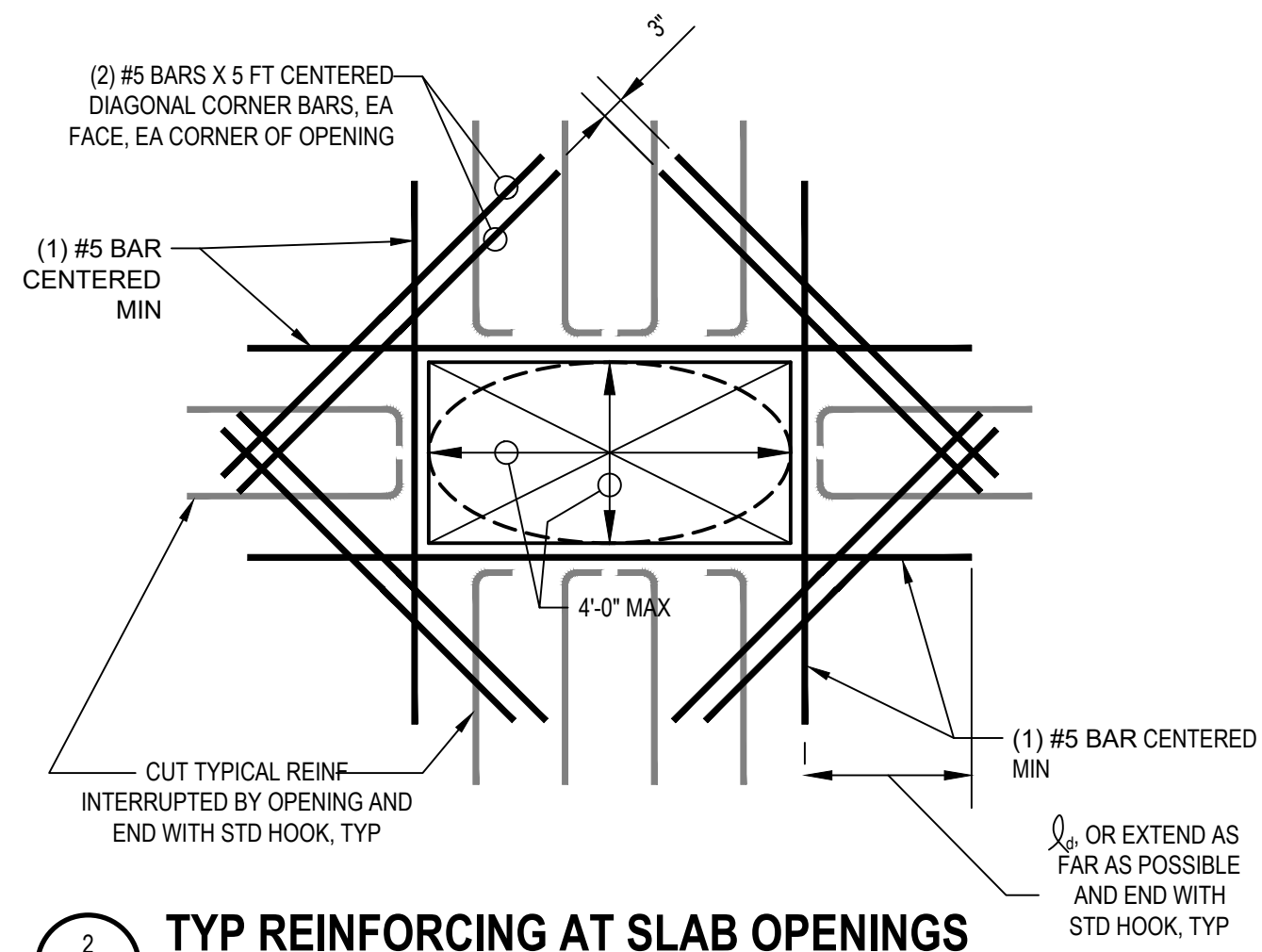


1 BAR DEVELOPMENT LENGTHS AND LAP SPLICE LENGTHS FOR CONCRETE

S-501 SCALE: NTS

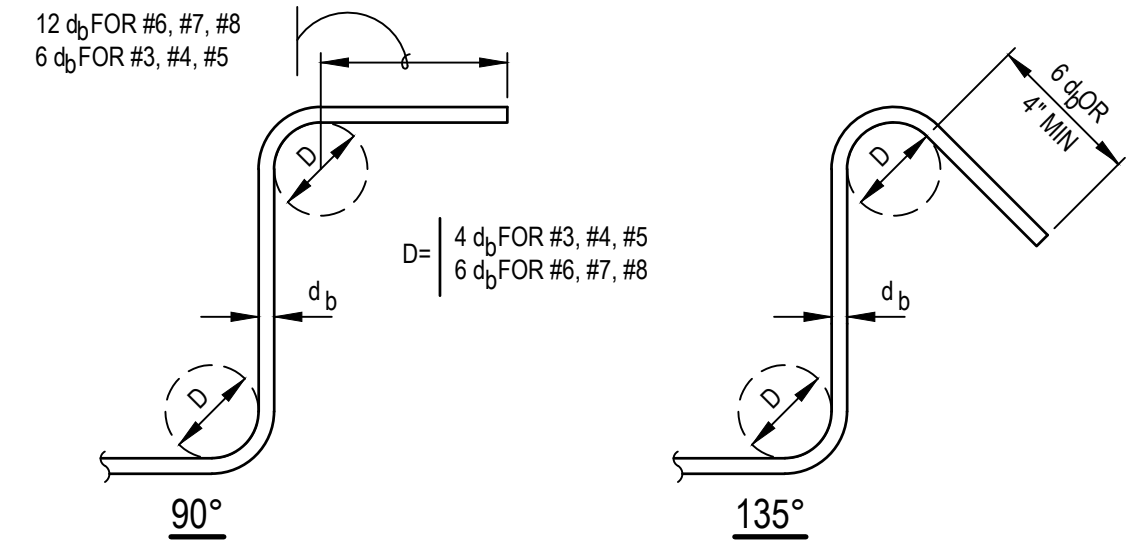
NOTES:

- FOR ROUND OPENING USE CIRCUMSCRIBING RECTANGLE FOR REINFORCING APPLICATION.
- PROVIDE EXTRA BARS (NOT SHOWN) PARALLEL TO SIDES OF OPENINGS EQUAL TO AREAS OF INTERRUPTED SLAB BARS. EXTEND FULL LENGTH OF SPAN AND/OR LENGTH OF INTERRUPTED BARS AS APPLICABLE.
- TYPICAL AT OPENINGS UP TO 4'-0" MAXIMUM, UNO



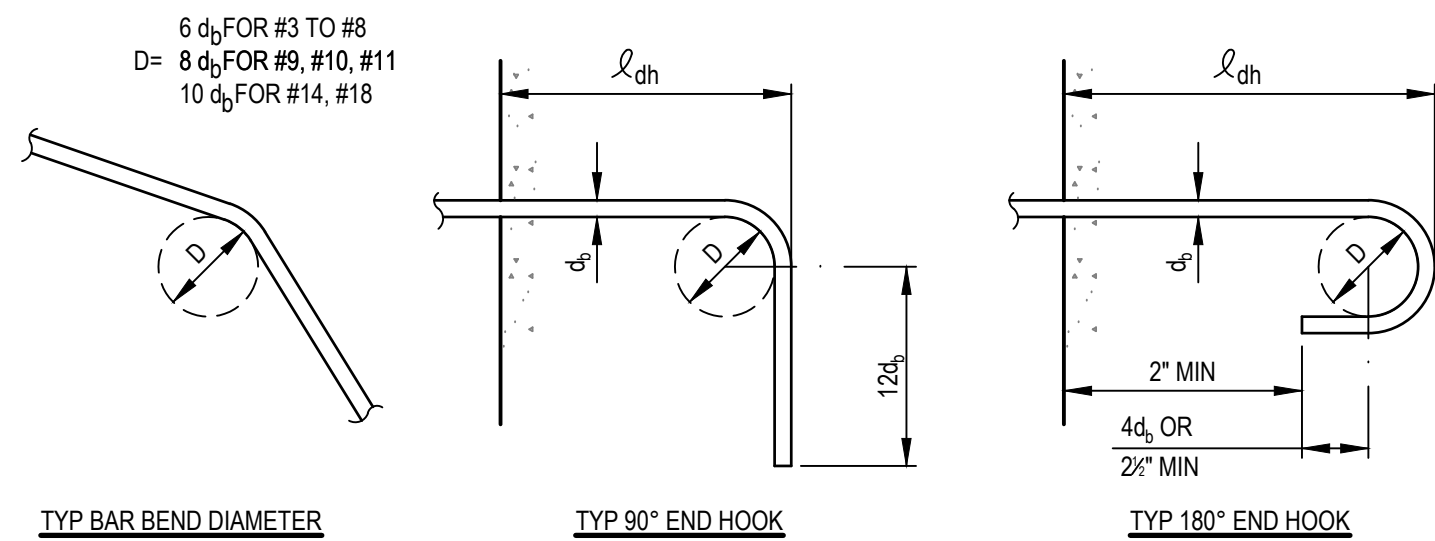
2 TYP REINFORCING AT SLAB OPENINGS

S-501 SCALE: NTS



3 STIRRUP AND TIE HOOKS

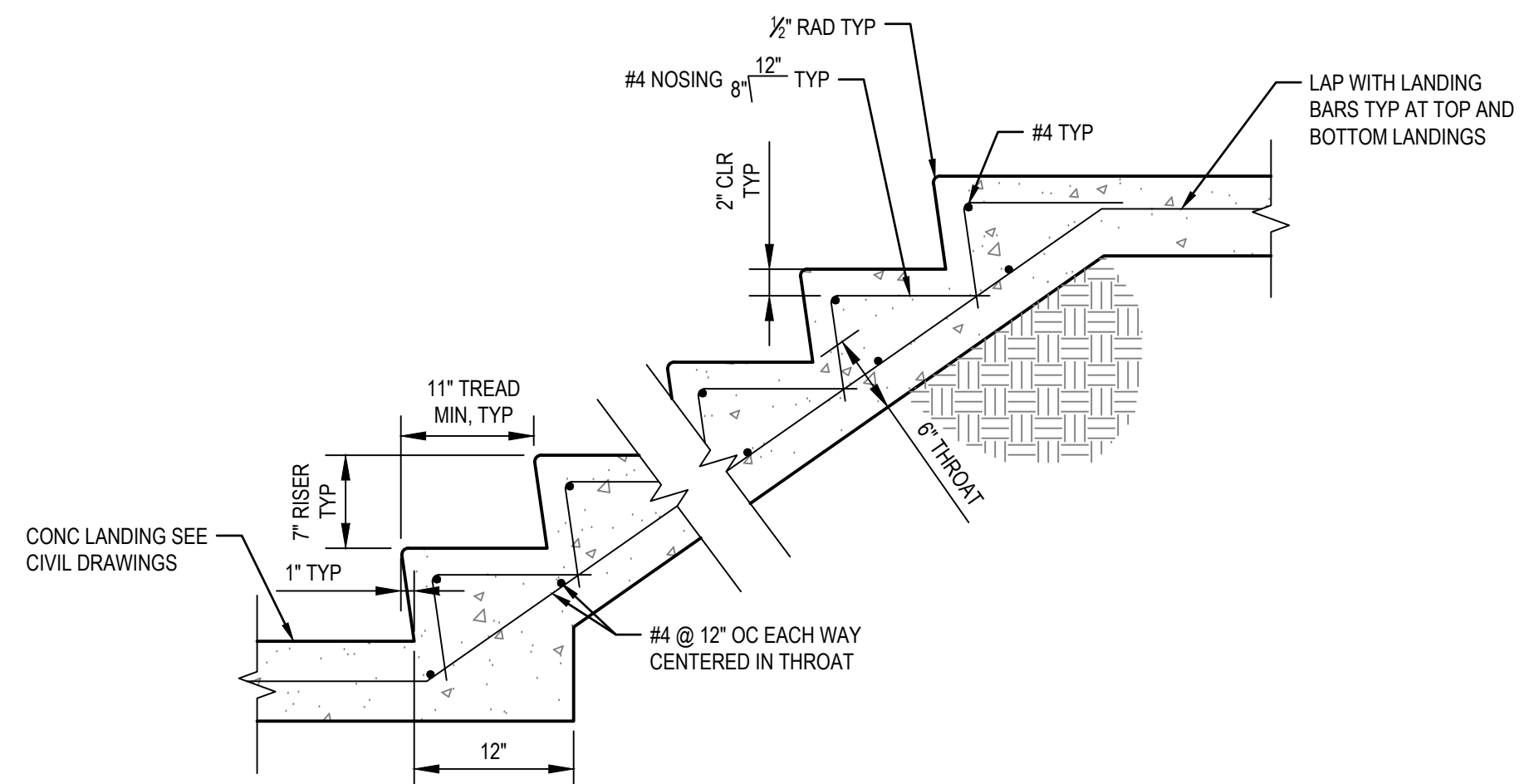
S-501 SCALE: NTS



BAR SIZE	MINIMUM TENSION EMBEDMENT LENGTHS l_{dh} (IN.) FOR STANDARD END HOOKS ON REINFORCING BARS			
	NORMAL WEIGHT CONCRETE, f_c , PSI			
	3000	4000	5000	6000
#3	9	8	7	6
#4	11	10	9	8
#5	14	12	11	10
#6	17	15	13	12
#7	20	17	15	14
#8	22	19	17	16
#9	25	22	20	18
#10	28	25	22	20
#11	31	27	24	22

4 REINFORCING BAR ENDS AND BAR HOOKS

S-501 SCALE: NTS



5 CONCRETE STAIR

S-501 SCALE: NTS

No.	Issue	Checked	Approved	Date
Author	GP	Drafting Check MJ	Project Manager L. VAN PARYS	
Designer	GP	Design Check MJ	Project Director K. VEDULA	



Bar is one inch on original size sheet
0 1"



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Title
STANDARD STRUCTURAL DETAILS - CONCRETE

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Size **ANSI D**
Status Code
Sheet No. **S-501** Sheet **121 of 195**

GUARDRAIL OR CABLE RAIL NOT SHOWN FOR CLARITY. USE APPLICABLE DETAIL ON SHEET S-503 IN ACCORDANCE WITH CIVIL PLANS

TOP OF GRADE SEE CIVIL DWGS
SLOPED BACKFILL (MAX 2H:1V)

WALL & FTG SCHEDULE

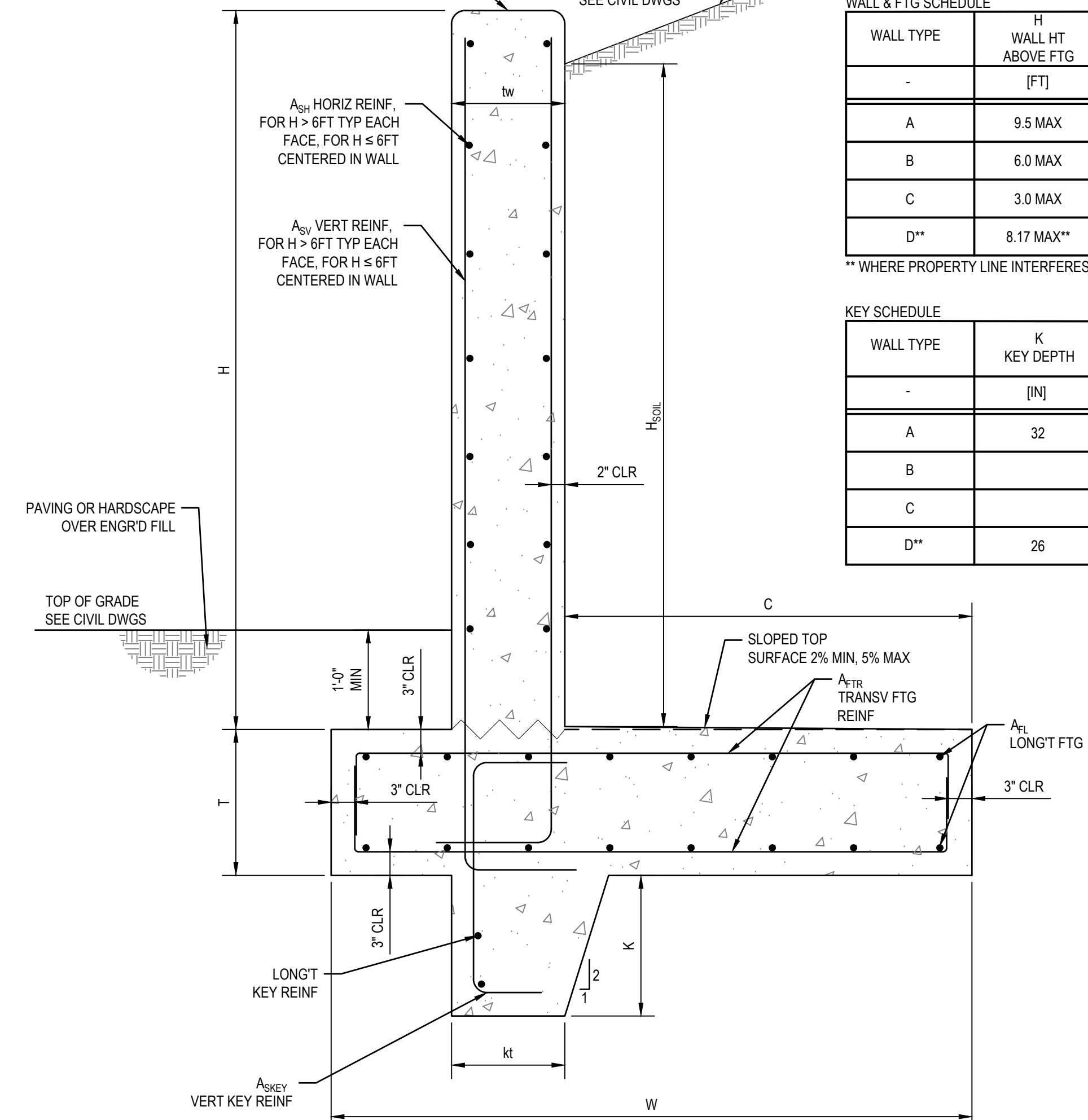
WALL TYPE	H WALL HT ABOVE FTG [FT]	H _{SOIL} RETAINED SOIL HT ABOVE FTG [FT]	t _w WALL THICK [IN]	C HEEL [FT]	W FTG WIDTH [FT]	T FTG THICK [IN]	A _{SV} VERT WALL REINF	A _{SH} HORIZ WALL REINF	A _{TR} TRANS FTG REINF	A _{FL} LONGT FTG TOP REINF
A	9.5 MAX	9 MAX	12	2.25	6.75	24	#6 @ 10"	#6 @ 10"	#6 @ 10"	#6 @ 10"
B	6.0 MAX	6.0 MAX	6	2.50	6.00	24	#6 @ 10"	#6 @ 10"	#6 @ 10"	#6 @ 10"
C	3.0 MAX	3.0 MAX	6	1.50	3.00	14	#5 @ 12"	#5 @ 12"	#5 @ 12"	#5 @ 12"
D**	8.17 MAX**	7.67 MAX**	12	1.25	4.75	24	#6 @ 10"	#6 @ 10"	#6 @ 10"	#6 @ 10"

** WHERE PROPERTY LINE INTERFERES WITH FOOTING, USE WALL TYPE D

KEY SCHEDULE

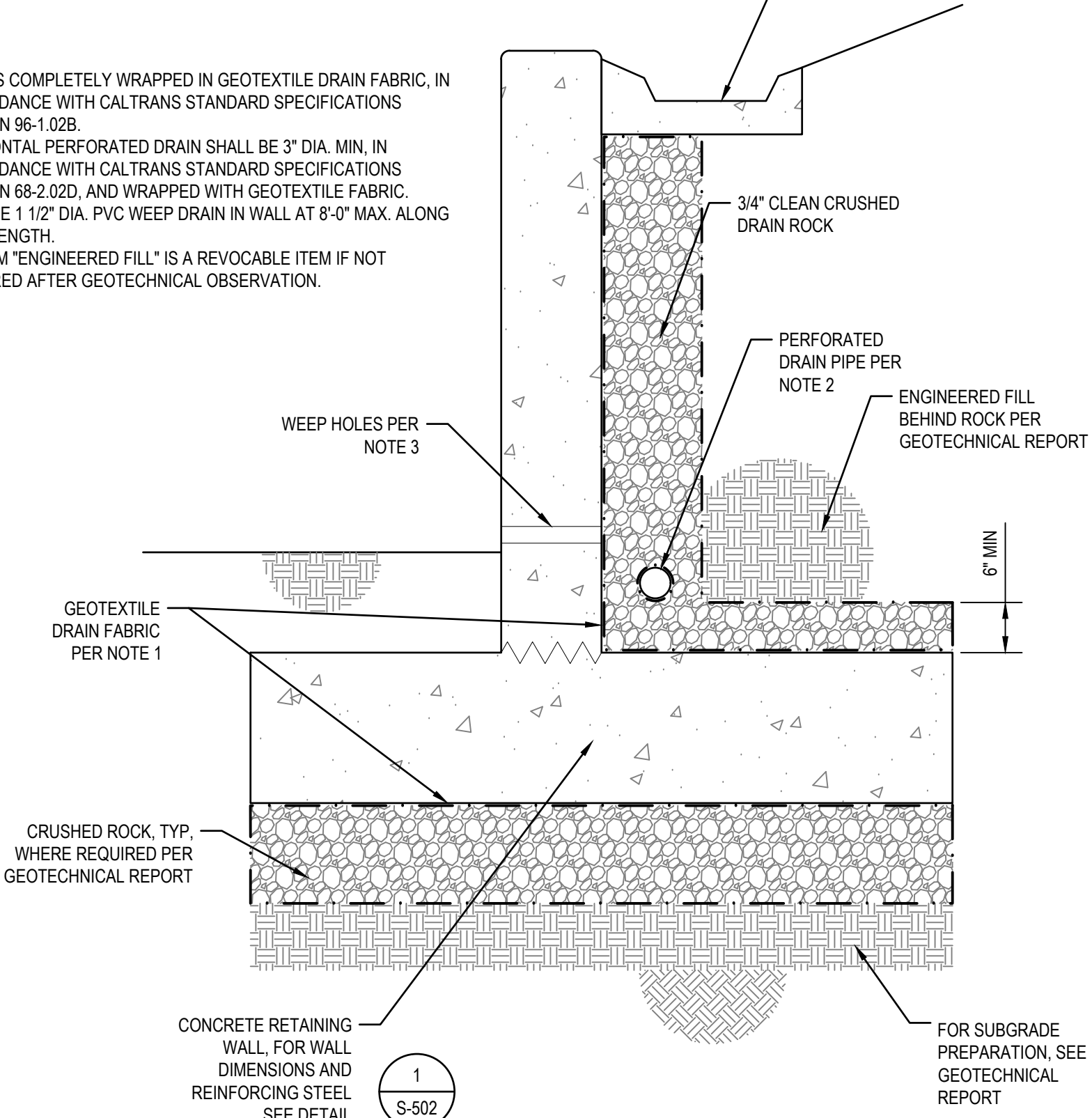
WALL TYPE	K KEY DEPTH [IN]	k _t KEY WIDTH [IN]	LONGT KEY REINF	A _{KEY} VERT KEY REINF
A	32	12	#6 @ 10"	#6 @ 10"
B	KEY NOT REQUIRED			
C	KEY NOT REQUIRED			
D**	26	12	#6 @ 10"	#6 @ 10"

- NOTES:**
- DRAINAGE, SUBGRADE PREPARATION, AND BACKFILL REQUIREMENTS PER DETAIL 5 THIS SHEET. (NOT SHOWN THIS DETAIL FOR CLARITY).
 - VERTICAL JOINTS ARE REQ'D PER DETAIL 4 THIS SHEET.
 - PLACE CONSTRUCTION JOINTS AT HORIZ INTERVALS < 50FT.
 - PLACE SHRINKAGE CONSTRUCTION JOINTS (SCJ) BETWEEN CJ, BUT NOT EXCEEDING 25FT SPAC'G.
 - AT WALL THICKNESS TRANSITIONS, CONTINUE HORIZ REINF OF THINNER WALL INTO THICKER WALL.
 - WHERE SOIL SLOUGHS (DOES NOT HOLD AN EDGE), FORMING IS REQUIRED FOR FOOTING.
 - LAP SPLICE HORIZ REINF 40 x BAR DIA.
 - ROTATE REBAR HOOK TAILS IN KEY AS REQ'D FOR COVER.
 - FOR RETAINING WALL LOCATION SEE CIVIL SHEETS C-101, C-102, AND C-103.
 - FOR STRUCTURAL NOTES SEE SHEET S-502.
 - FOR CONCRETE WALL COLOR AND FORMLINERS, REFER TO LANDSCAPE AMENITIES PLANS

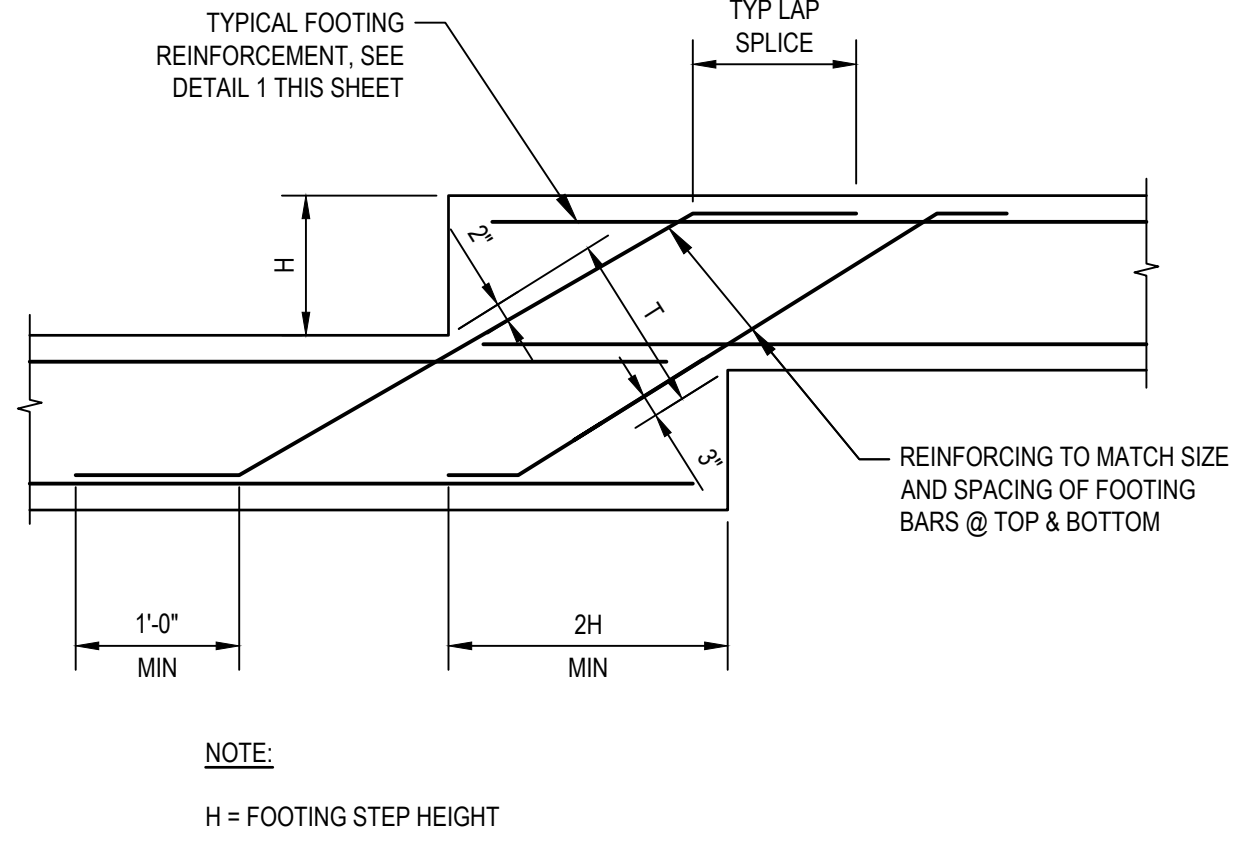


1 CROSS SECTIONAL VIEW OF RETAINING WALL
SCALE: NTS

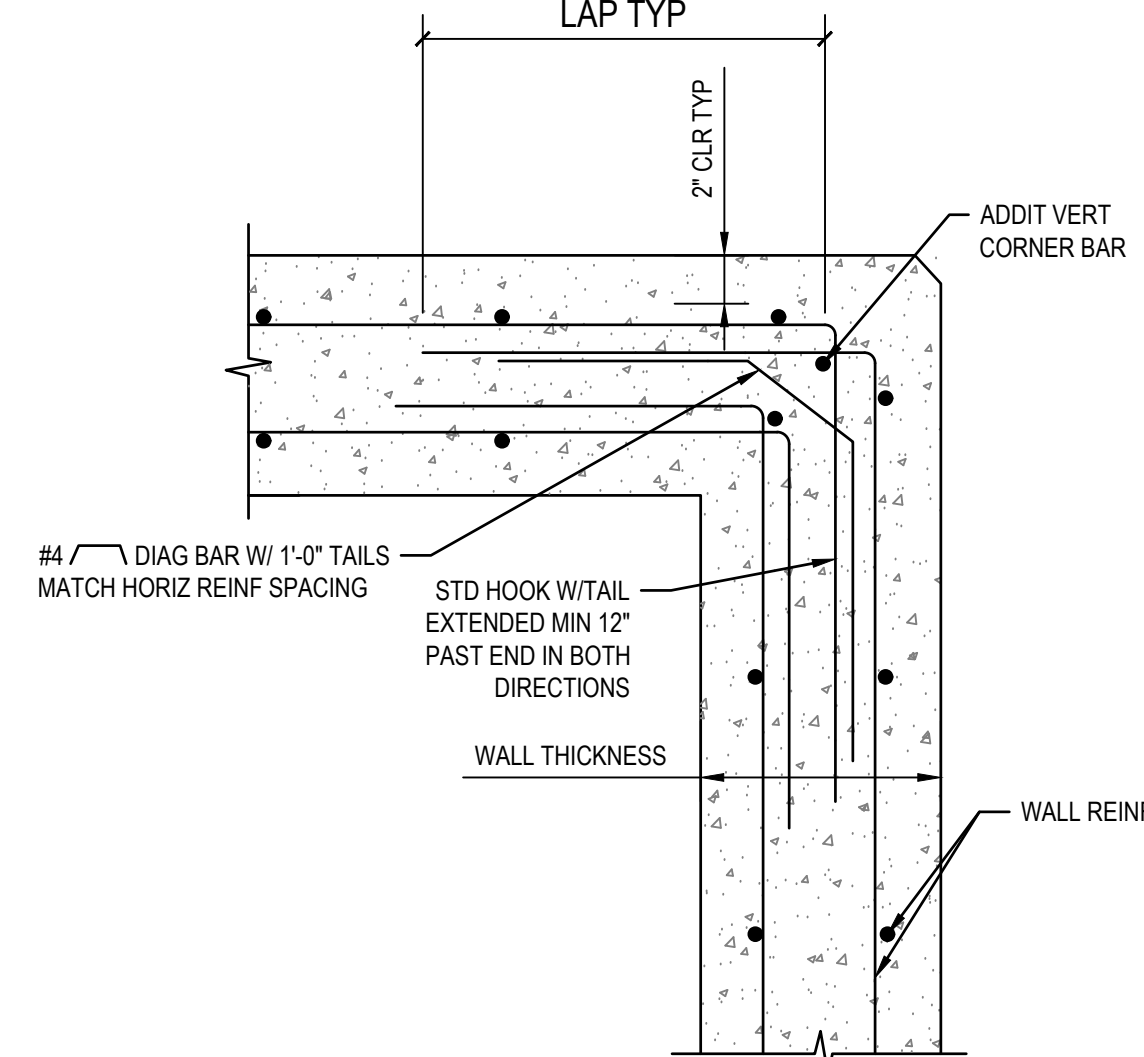
- NOTES:**
- ROCK IS COMPLETELY WRAPPED IN GEOTEXTILE DRAIN FABRIC, IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 96-1.02B.
 - HORIZONTAL PERFORATED DRAIN SHALL BE 3" DIA. MIN. IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 68-2.02D, AND WRAPPED WITH GEOTEXTILE FABRIC. PROVIDE 1 1/2" DIA. PVC WEEP DRAIN IN WALL AT 8'-0" MAX. ALONG WALL LENGTH.
 - BID ITEM "ENGINEERED FILL" IS A REVOCABLE ITEM IF NOT REQUIRED AFTER GEOTECHNICAL OBSERVATION.



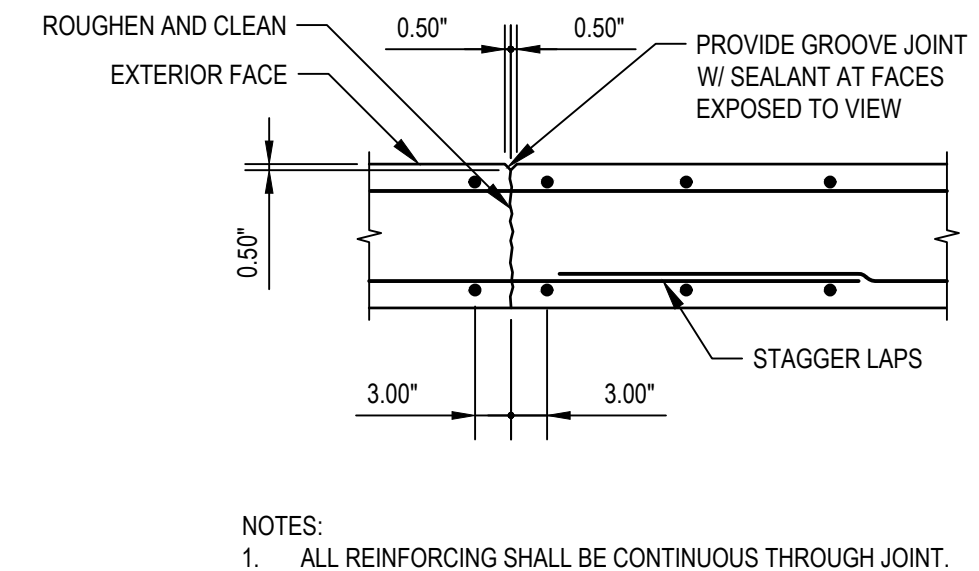
5 RETAINING WALL DRAINAGE, SUBGRADE PREP, AND BACKFILL
SCALE: NTS



2 STEPPED FOOTING DETAIL
SCALE: NTS



3 RETAINING WALL CORNER RETURN
SCALE: NTS



4 VERTICAL WALL CONSTRUCTION JOINT DETAIL
SCALE: NTS

No.	Issue	Author	GP	Drafting Check	MJ	Checked	Approved	Date
1	Author	GP	Drafting Check	MJ	Project Manager	L. VAN PARYS		
2	Designer	GP	Design Check	MJ	Project Director	K. VEDULA		



Bar is one inch on original size sheet
0 1"

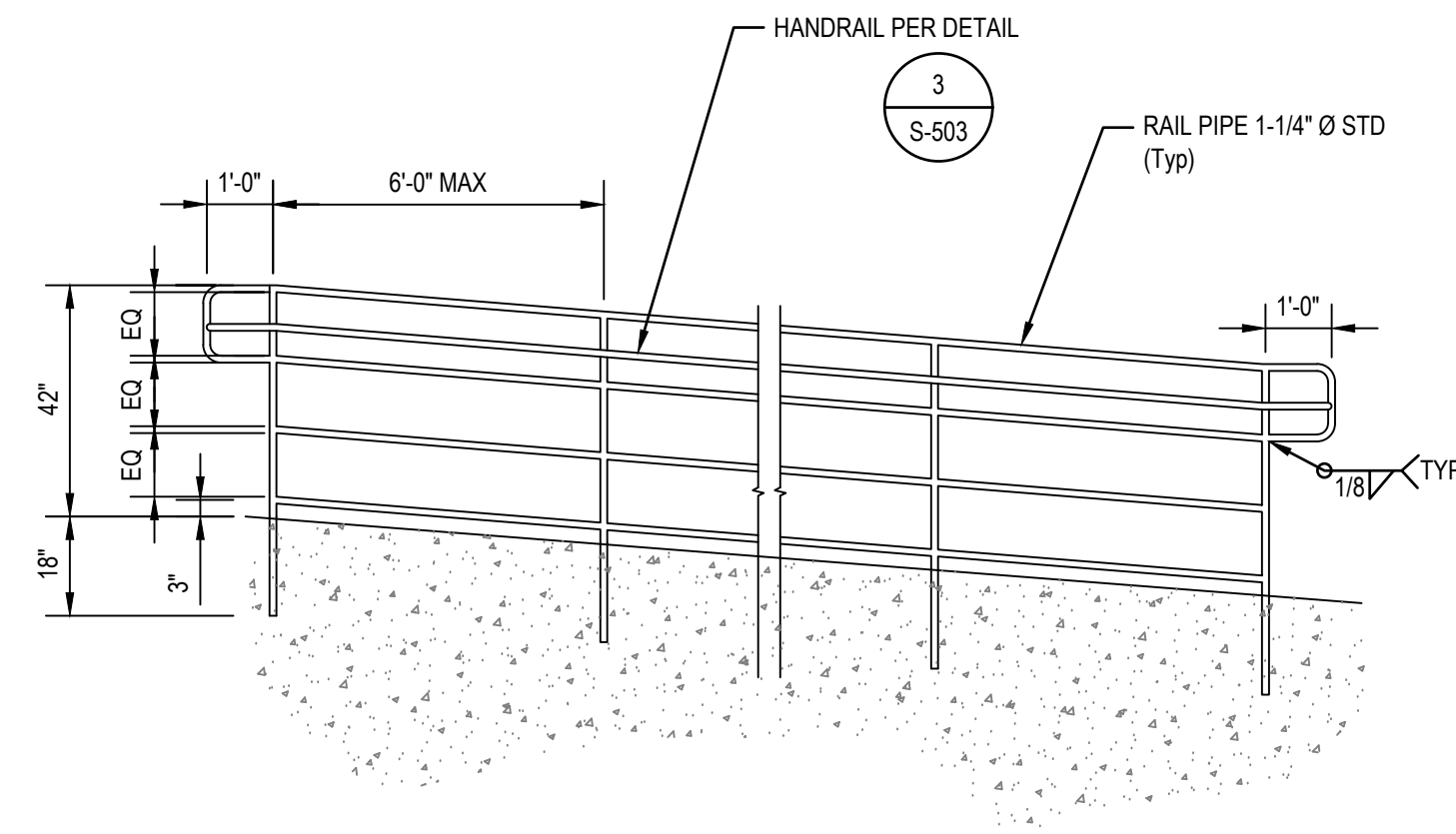


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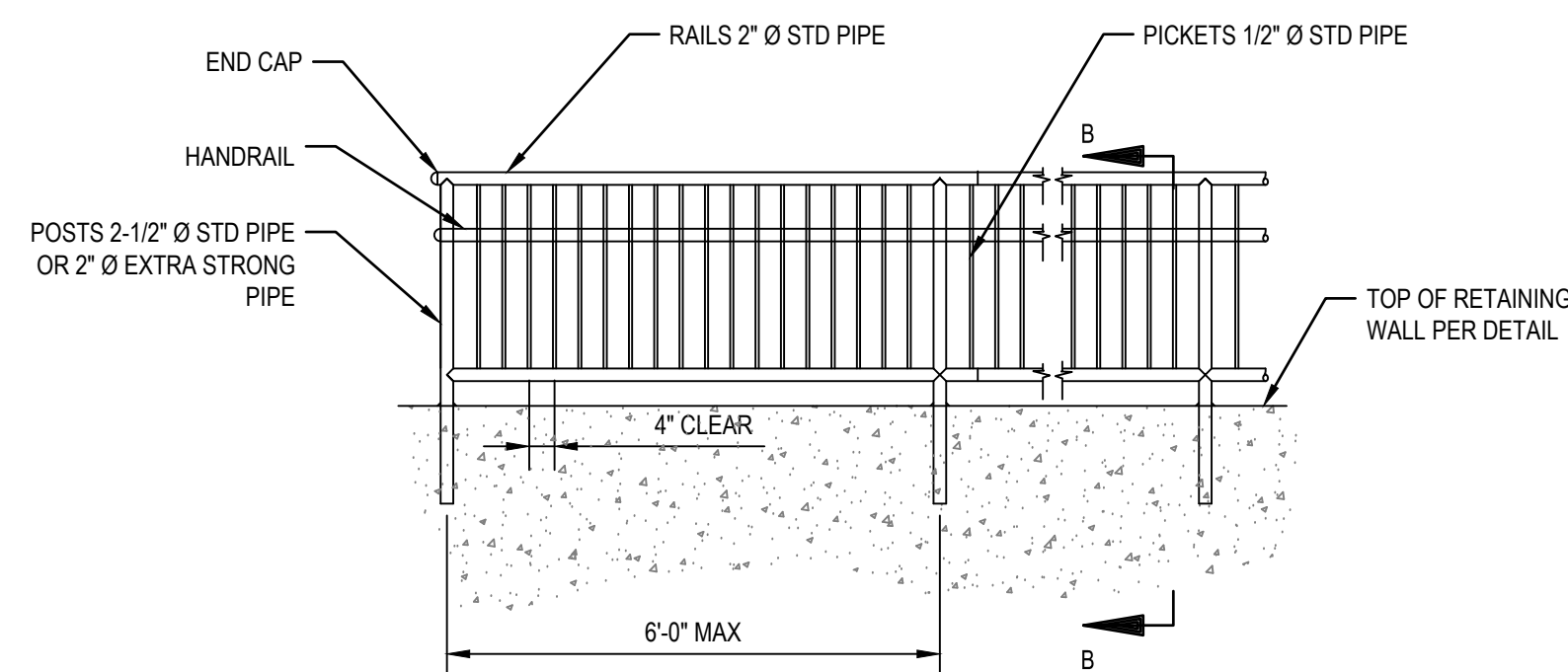
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	STANDARD STRUCTURAL DETAILS - RETAINING WALL 1 of 2
Sheet No.	S-502
Sheet	122 of 195

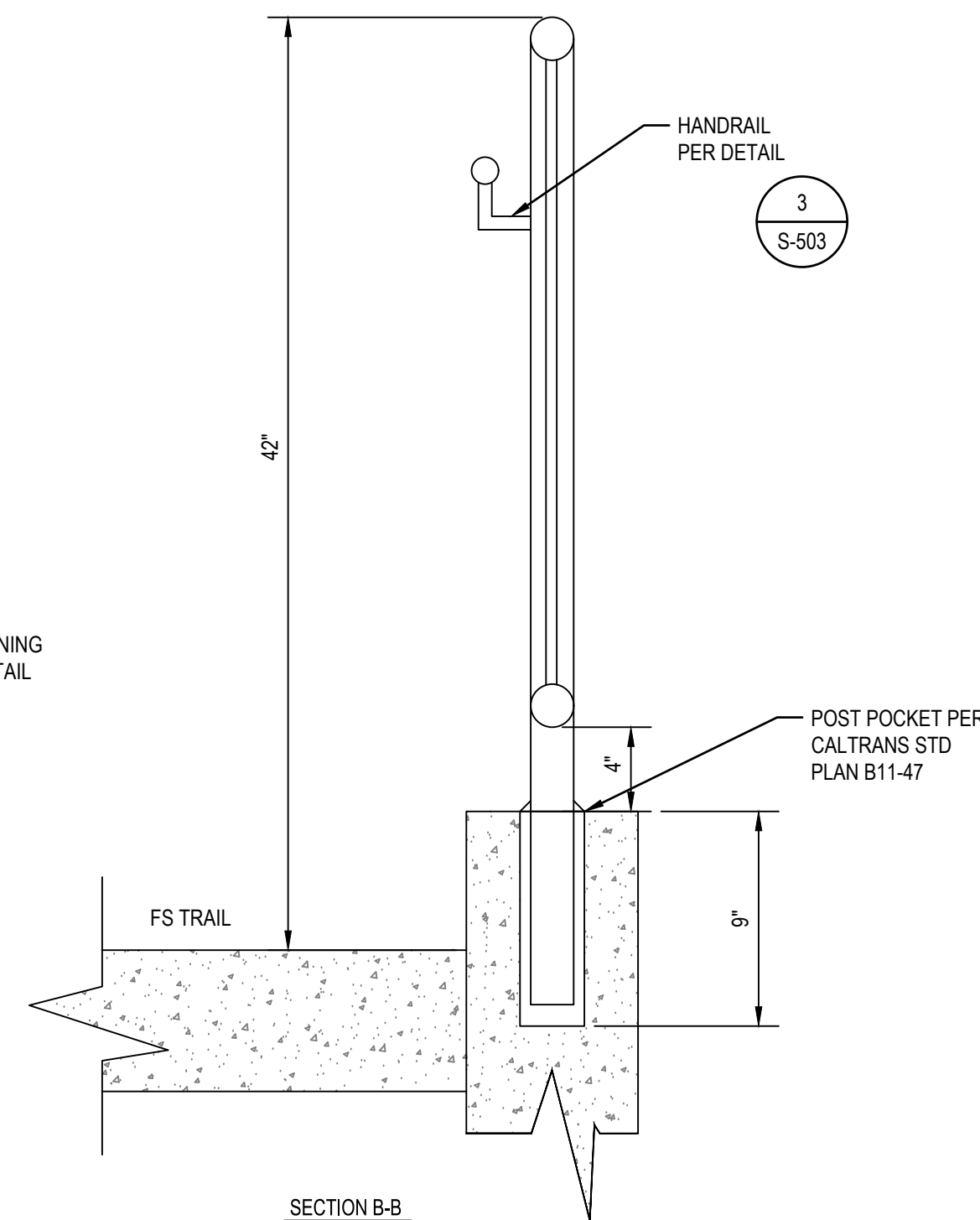


1 3-RAIL GUARDRAIL
SCALE: NTS

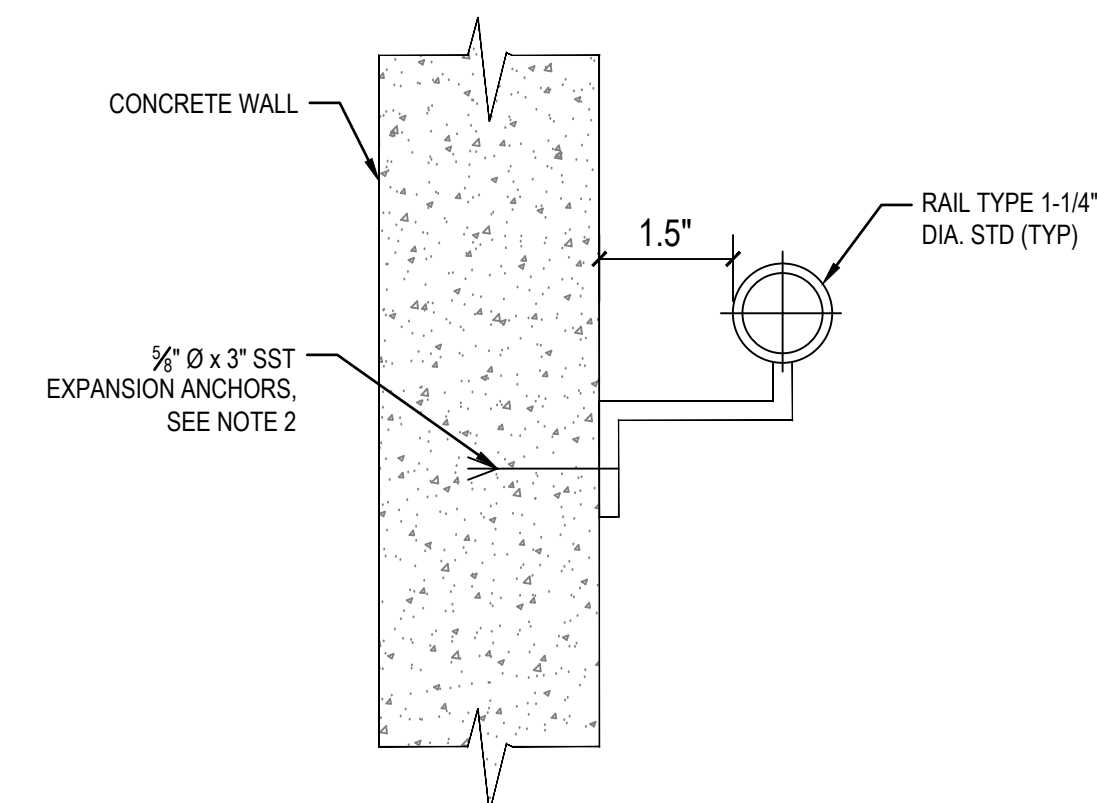
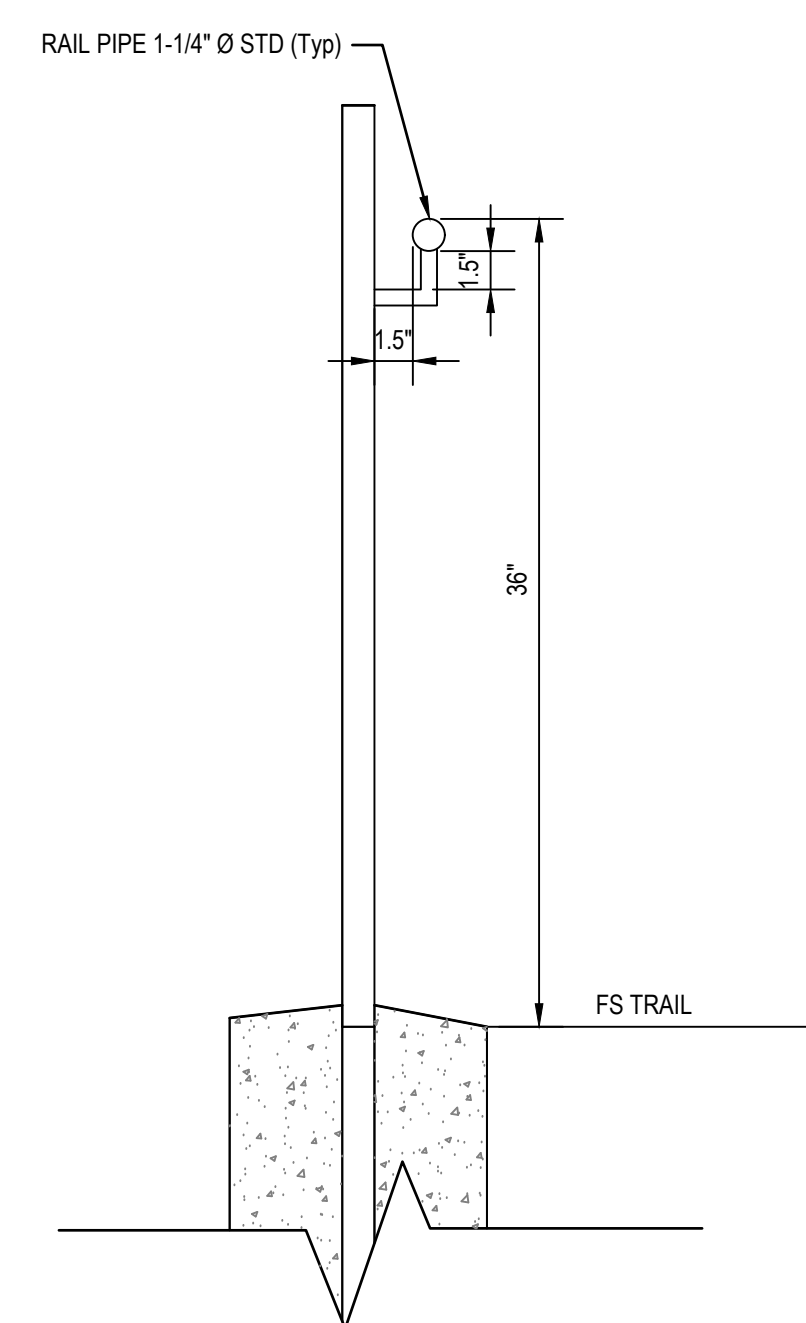
- GENERAL NOTES:
- UNLESS OTHERWISE NOTED, HANDRAIL, GUARDRAIL, AND MOUNTING APPURTENANCES SHALL BE ANODIZED ALUMINUM.
 - ALL FASTENERS SHALL BE STAINLESS STEEL, TYPE 316 FOR HANDRAIL/GUARDRAIL.
 - NUMBER OF ANCHORS AND SIZE OF ANCHORS ARE MINIMUM. PROVIDE LARGER ANCHOR SIZE IF NECESSARY TO MEET LOAD REQUIREMENTS. CONTRACTOR'S SUPPLIER AND ENGINEER ARE RESPONSIBLE FOR DESIGNING BASE BRACKET AND STAINLESS STEEL ANCHOR BOLT SIZE AND EMBEDMENT DEPTH INTO CONCRETE TO RESIST LOADS TAKING INTO ACCOUNT ANCHOR EDGE DISTANCES AND CONCRETE STRENGTHS AT THE POINT OF ATTACHMENT.
 - UNLESS SPECIFICALLY INDICATED OTHERWISE, GUARDRAIL MOUNTING MAY BE BY ANY SHOWN METHOD AS APPLICABLE.
 - RAILING POST LOCATION SHALL BE FIELD MEASURED AND RAILING FABRICATED TO FIT.
 - RAILS SHALL BE CONTINUOUS EXCEPT AT GUARDRAIL SECTIONS SPECIFICALLY CALLED OUT ON DRAWINGS AS REMOVABLE GUARDRAIL.
 - THE SPACING OF EXPANSION JOINTS IN GUARDRAILS AND TOEBOARDS SHALL NOT EXCEED 24 FEET.
 - ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE, GROUT, OR DISSIMILAR METALS SHALL HAVE CONTACT SURFACE PROTECTED.
 - DRAWINGS AND CALCULATIONS FOR GUARDRAILS, HANDRAILS, AND ALL ATTACHMENTS SHALL BE SIGNED AND SEALED BY A DESIGN PROFESSIONAL AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION.



2 GUARDRAIL WITH PICKETS
SCALE: NTS



3 HANDRAIL TO POST ATTACHMENT
SCALE: NTS



- NOTES:
- ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE, GROUT, OR DISSIMILAR METALS SHALL HAVE CONTACT SURFACE PROTECTED.
 - ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. EPOXY ANCHORS ARE PERMITTED TO BE USED FOR THIS APPLICATION AND SHALL BE PER THE ANCHORAGE NOTES ON SHEET S-002.

4 HANDRAIL TO CONCRETE ATTACHMENT
SCALE: NTS

No.	Issue	Checked	Approved	Date
Author	GP	Drafting Check	MJ	Project Manager
Designer	GP	Design Check	MJ	Project Director
				L. VAN PARYS
				K. VEDULA



Bar is one inch on original size sheet
0 1"



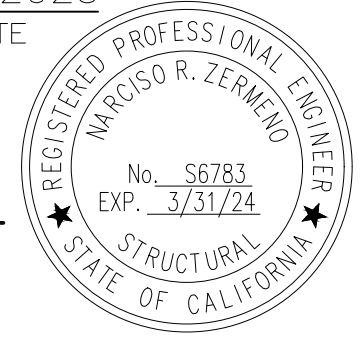
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

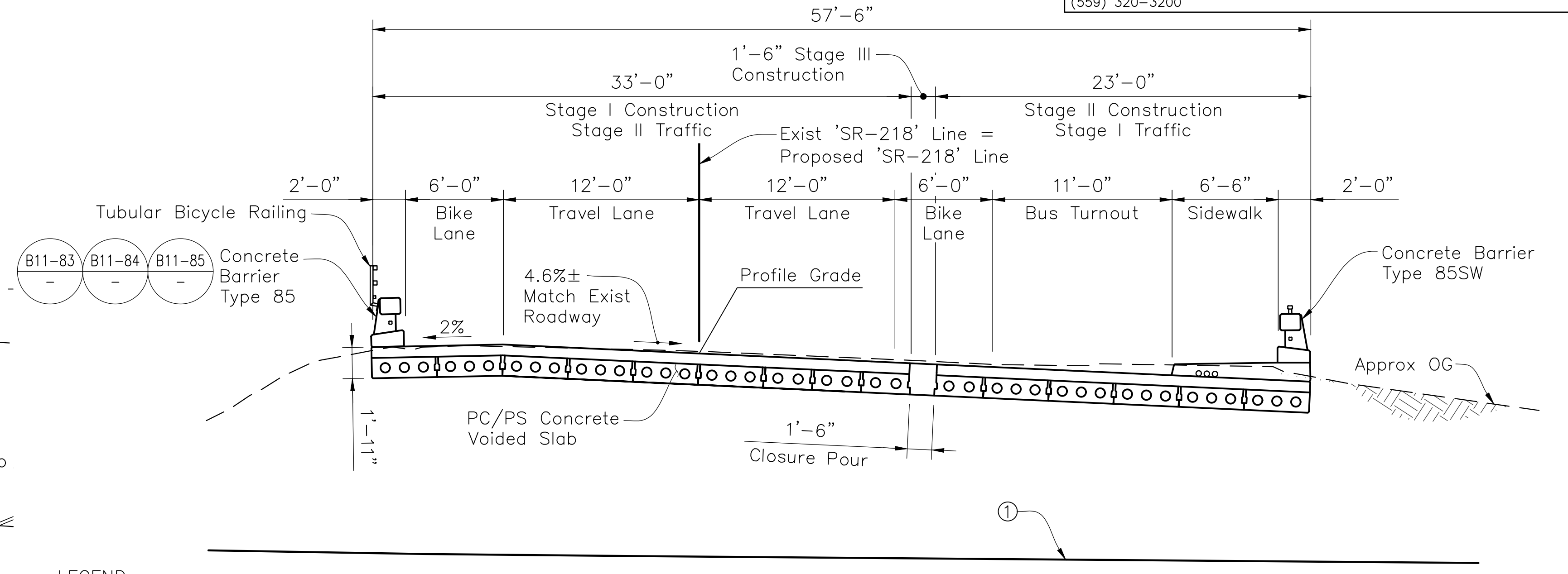
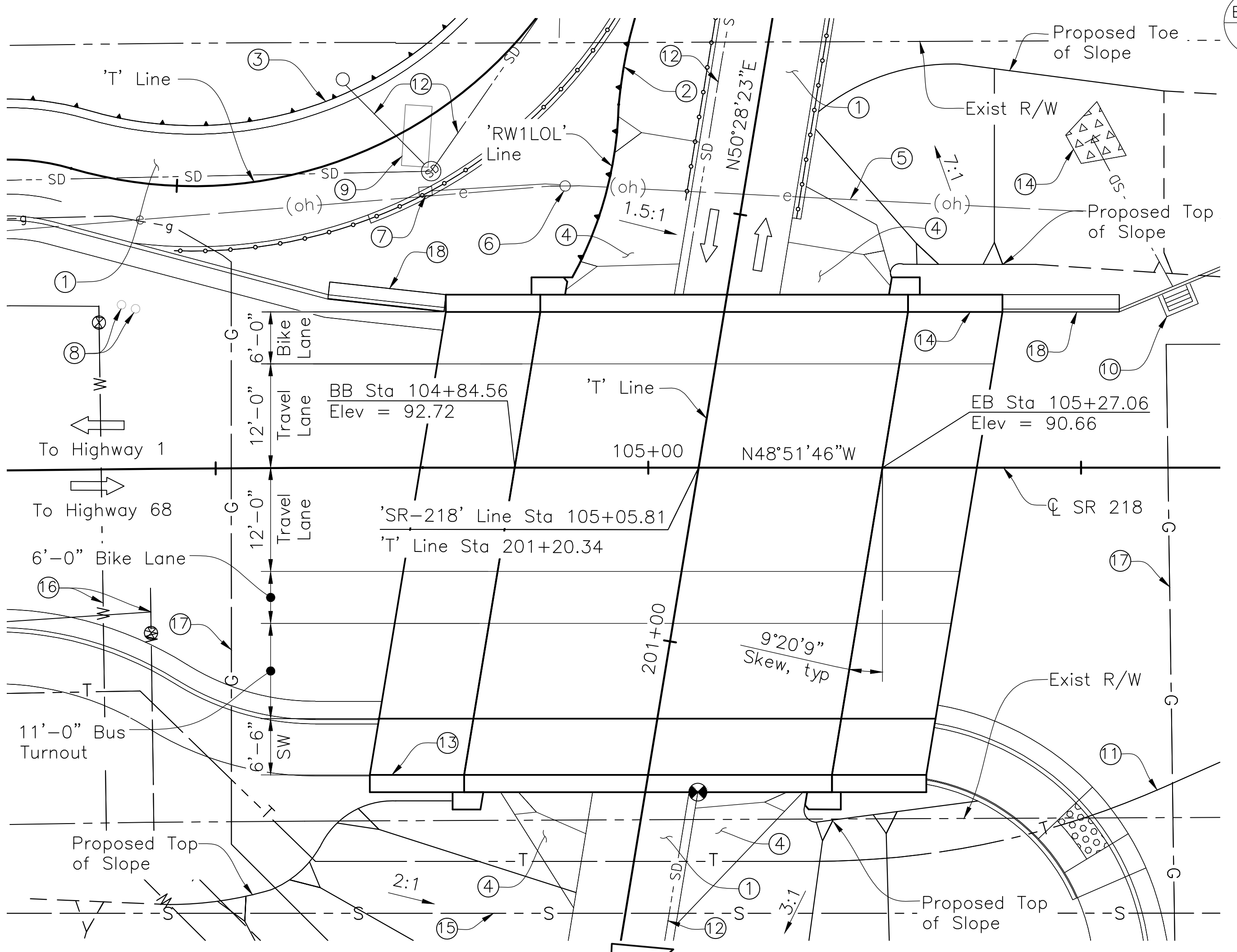
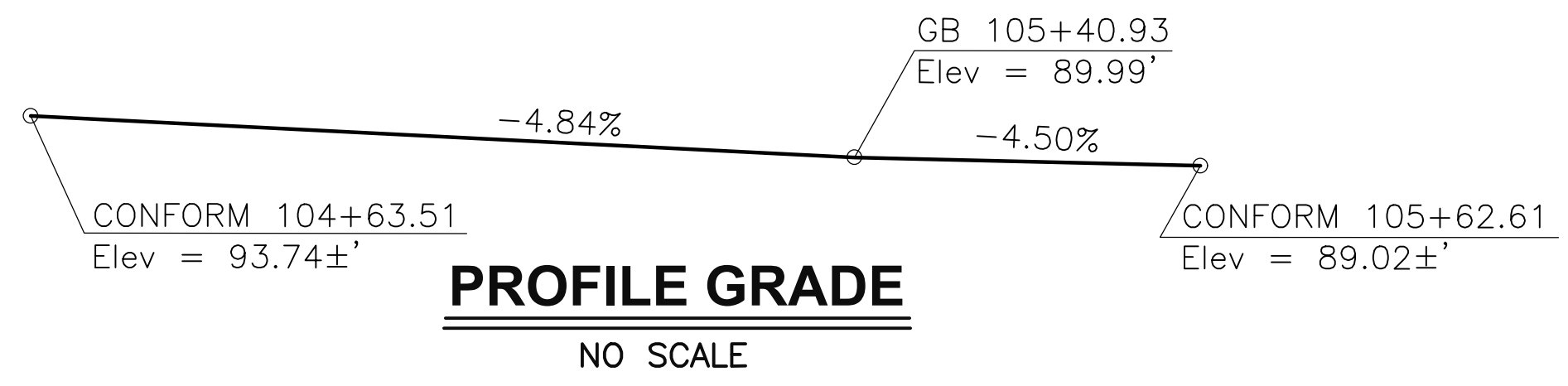
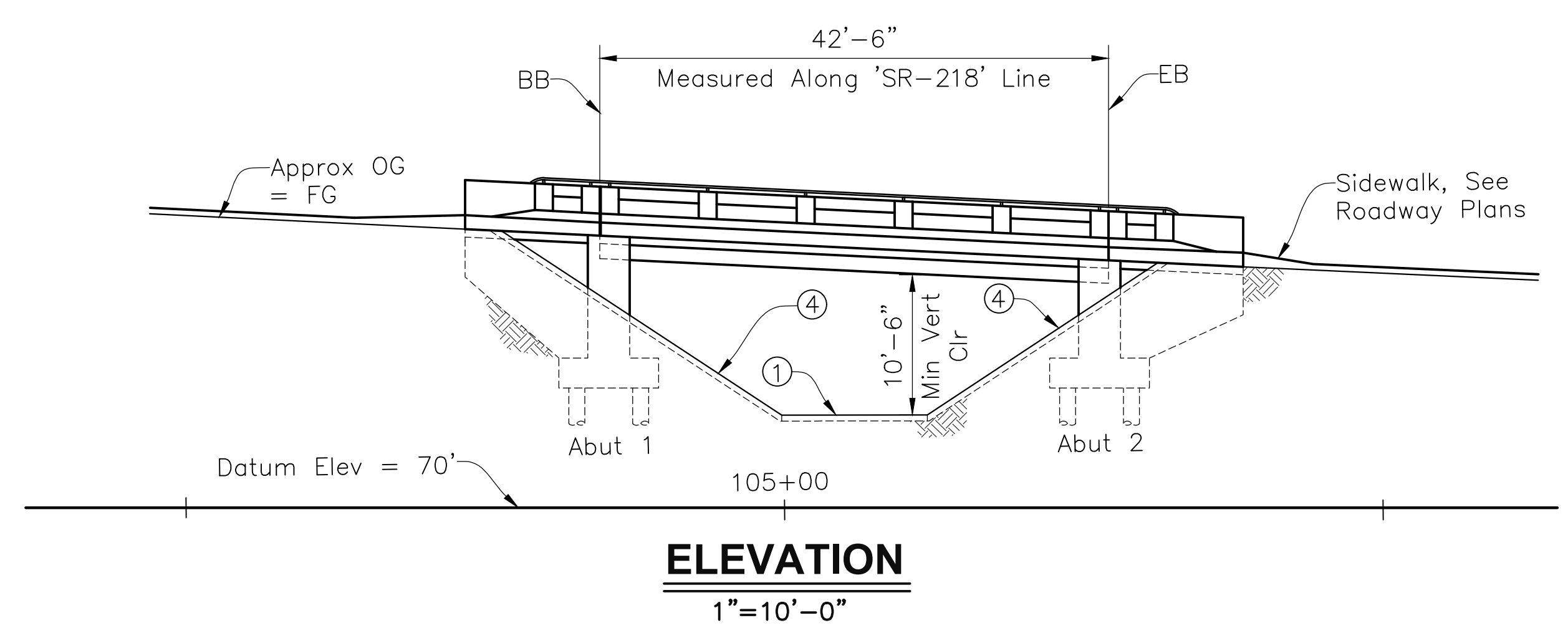
Project
FORTAG TRAIL PROJECT

Title
STANDARD STRUCTURAL DETAILS - RETAINING WALL 2 of 2

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Sheet No. **S-503** Sheet **123 of 195**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	124	195
			4/27/2023 REGISTERED CIVIL ENGINEER DATE		
4/28/2023 PLANS APPROVAL DATE			THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		
TRANSPORTATION AGENCY FOR MONTEREY COUNTY 55-B Plaza Circle, Salinas, California 93901 (831) 775-0903					
CORNERSTONE STRUCTURAL ENGINEERING GROUP 986 W. Alluvial Ave, Suite 201 Fresno, California 93711 (559) 320-3200					



LEGEND:

- ⊗ Indicates Minimum Vertical Clearance
- Indicates the Direction of Traffic
- ① Multi-use Trail, See Roadway Plans
- ② Proposed Retaining Wall No. 1, See 'RETAINING WALL GENERAL PLAN' Sheet
- ③ Retaining Wall No. 2, See Roadway Plans
- ④ Concrete Slope Paving, See Roadway Plans
- ⑤ Exist Overhead Electric Lines to Remain
- ⑥ Exist Overhead Electric Pole to Remain
- ⑦ Exist Electrical Box to be Relocated, see Roadway Plans
- ⑧ Exist Water Line Access Openings to be Relocated, see Roadway Plans
- ⑨ Existing Pressure Regulating Station to be Relocated, see Roadway Plans
- ⑩ Proposed Drainage Inlet and Storm Drain, see Roadway Plans
- ⑪ Proposed Communications Lines see Roadway Plans
- ⑫ Proposed Storm Drain Pipe, see Roadway Plans
- ⑬ Paint "Br No. 44-0301, Year Completed"
- ⑭ Proposed Drainage Outlet, see Roadway Plans
- ⑮ Proposed Sanitary Sewer Line, see Roadway Plans
- ⑯ Proposed Water Line, see Roadway Plans
- ⑰ Proposed Gas Line, see Roadway Plans
- ⑱ Crash Cushion, see Roadway Plans
- ⊙ B0-13 Indicates Caltrans standard plan sheet no.
- ⊙ 13-1 Indicates detail no.

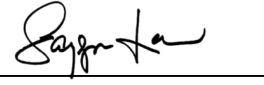
QUANTITIES

STRUCTURE EXCAVATION (BRIDGE)	610	CY
STRUCTURE BACKFILL (BRIDGE)	160	CY
FURNISH PILING (CLASS 200)	3,712	LF
DRIVE PILE (CLASS 200)	64	EA
STRUCTURAL CONCRETE, BRIDGE	199	CY
STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER)	64	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	60	CY
FURNISH PRECAST PRESTRESSED CONCRETE SLAB (SII)	2,380	SF
ERECT PRECAST PRESTRESSED CONCRETE DECK UNIT	15	EA
JOINT SEAL (MR = 1")	117	LF
JOINT SEAL (TYPE AL)	10	LF
BAR REINFORCING STEEL (BRIDGE)	50,000	LB
MISCELLANEOUS METAL (BRIDGE)	324	LB
CONCRETE BARRIER (TYPE 85SW)	65	LF
CONCRETE BARRIER (TYPE 85)	65	LF
TUBULAR BICYCLE RAILING	65	LF

NOTES:

1. These plans must incorporate the State of California, Department of Transportation, Standard Specifications and Standard Plans dated 2022, and the Project Special Provisions.
2. For General Notes, see DECK CONTOURS sheet.
3. For contour grading, see Roadway Plans.
4. See CONSTRUCTION STAGING PLAN NO. 1 and CONSTRUCTION STAGING PLAN NO. 2 sheets for construction staging notes.

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

 DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE	DESIGN	BY N. Zermeno	CHECKED T. Eaton	SEISMIC ANALYSIS	BY D. Fagundes	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	44-0301	FORTAG PEDESTRIAN UNDERCROSSING GENERAL PLAN			
	DETAILS	BY D. Fagundes	CHECKED T. Eaton	LAYOUT	BY N. Zermeno	CHECKED T. Eaton		POST MILE	0.9				
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz		SPECIFICATIONS	BY N. Zermeno	PLANS AND SPECS COMPARED	PLANS AND SPECS COMPARED			REVISION DATES	SHEET	OF	
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REVISION 2/8/2022)		DATE PLOTTED ==> \$DATE FILE ==> \$REQUEST		TIME PLOTTED ==> \$TIME USERNAME ==> \$USER		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		PROJECT NUMBER & PHASE: 052000029		COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570		DISREGARD PRINTS BEARING EARLIER REVISION DATES	

GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

Design: AASHTO LRFD Bridge Design Specifications, 8th Edition with Caltrans Amendments

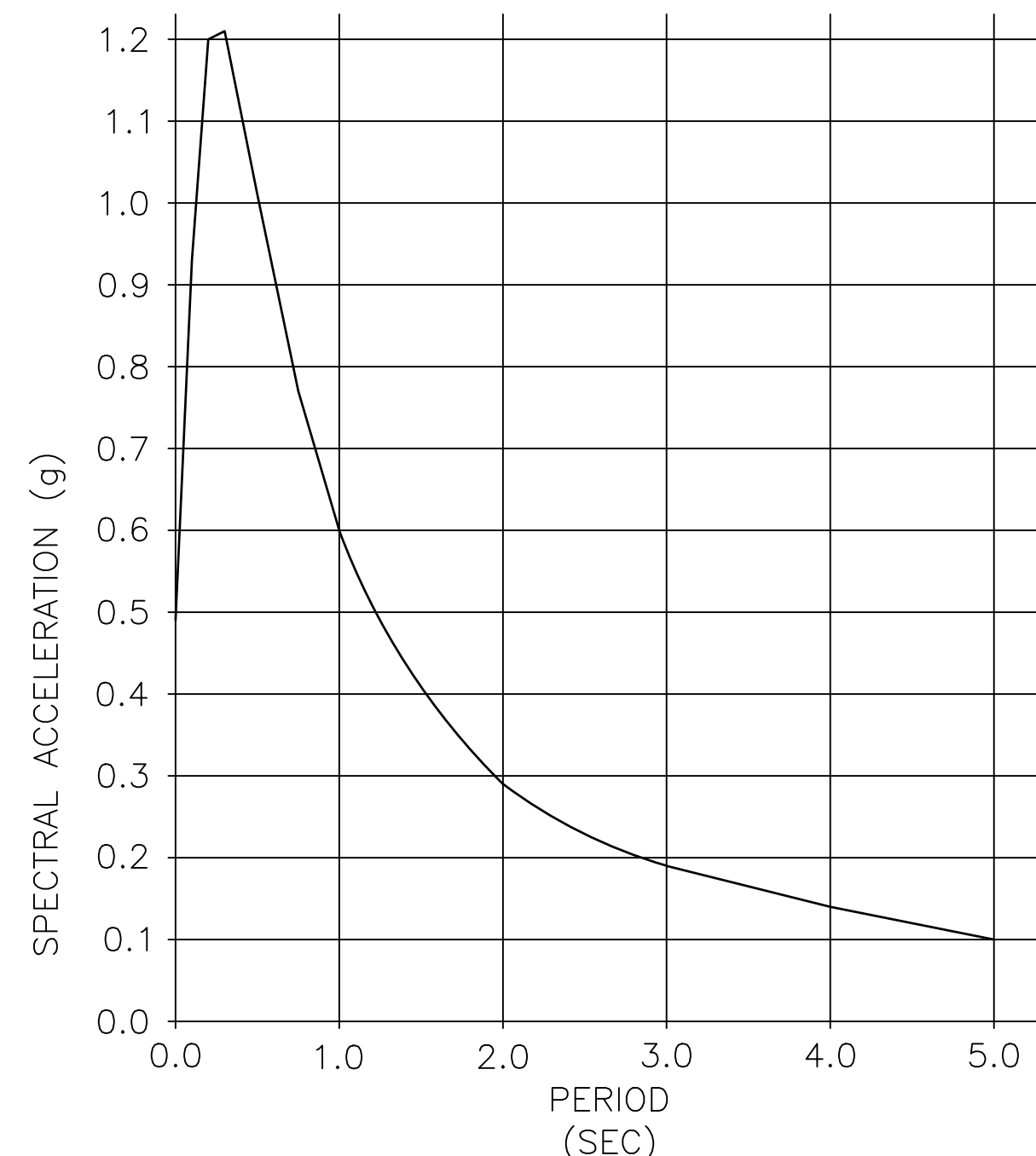
Seismic Design: Caltrans Seismic Design Criteria (SDC), Version 2.0 dated April 2019

Dead Load: Includes 35 psf for Future Wearing Surface

Live Loading: HL93 Design Truck w/ "Low-Boy" and Permit Design Vehicle

Seismic Loading: Per "FOUNDATION REPORT FOR BRIDGE" prepared by Delve Underground dated April 2022.

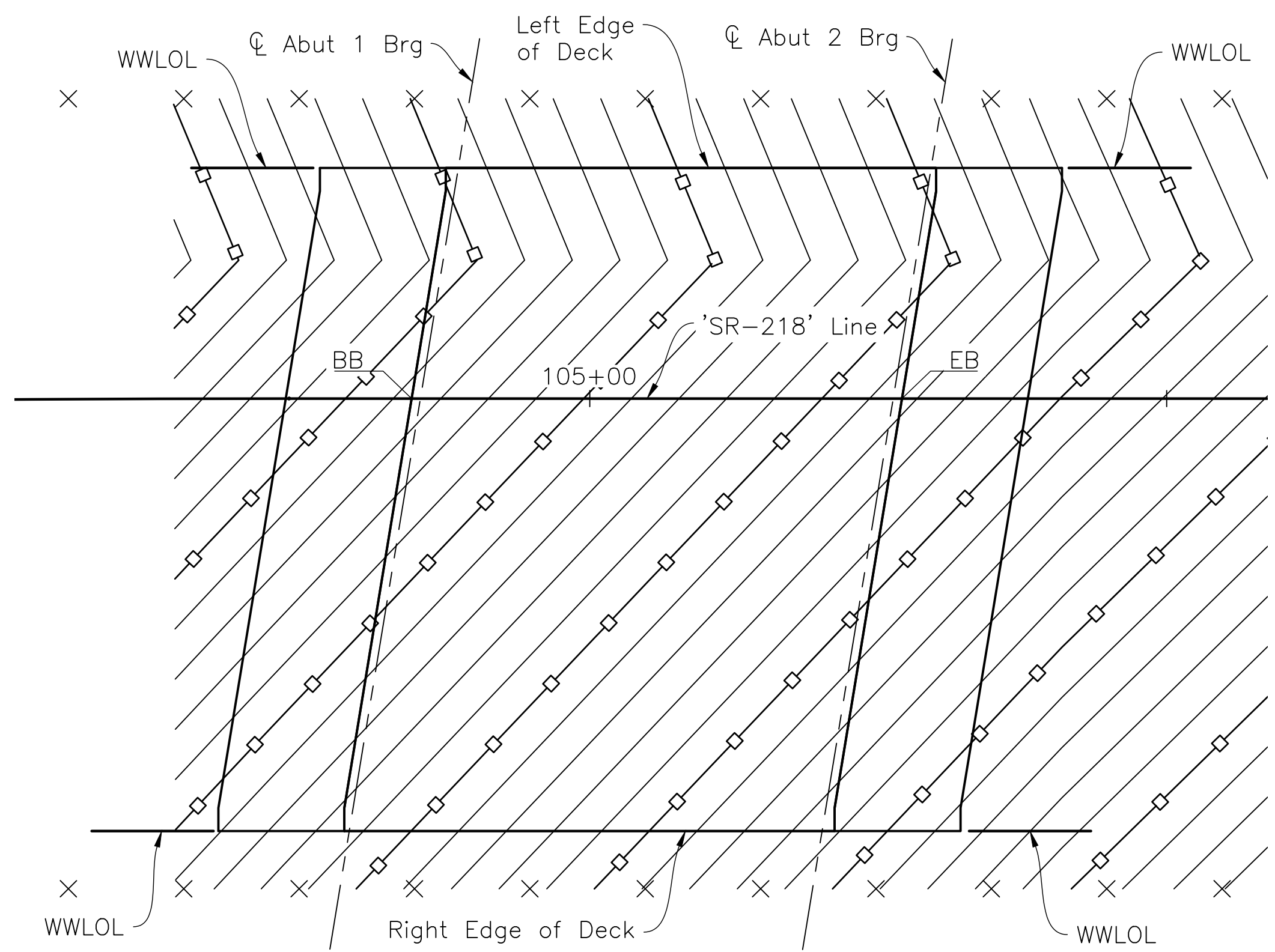
$V_{s30} = 220$ m/s (720 ft/s)
 Moment Magnitude: 6.75
 Peak Ground Acceleration = 0.49g
 5% Damping



ARS CURVE

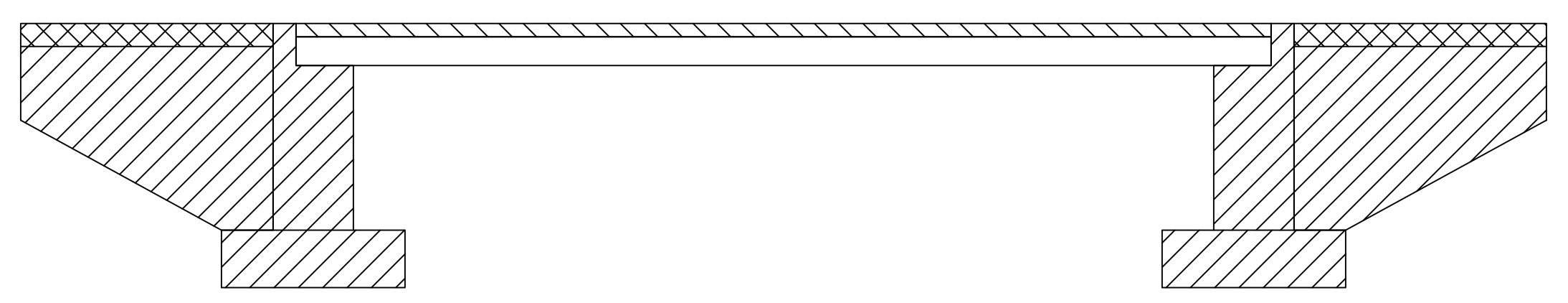
Reinforced Concrete: $f_y = 60,000$ psi
 $f'_c =$ See 'Concrete Strength and Type Limits' this sheet
 $n =$ Varies

Prestressed Concrete: See "Prestressing Notes" on PRESTRESSED SLAB DETAILS sheet.



PLAN
 1"=10'-0"

- NOTES:
- Contours indicate top of composite topping slab and top of approach slab elevations.
 - Indicates 1 foot contours.
 - X Indicates 10 ft intervals measured along "CL SR 218" Line.
 - Contour interval = 0.2 ft.
 - Contours do not include camber.
 - This sheet shall not be used to scale bridge grades. A large 1/4" = 1'-0" deck contours sheet shall be requested from the engineer for that purpose.



- Indicates Precast Concrete Slab, see 'Prestressing Notes' on PRESTRESSED SLAB DETAILS sheet
- Indicates Structural Concrete, Bridge ($f'_c = 3,600$ psi at 28 days)
- Indicates Structural Concrete, Bridge (Polymer Fiber) ($f'_c = 4,000$ psi at 28 days)
- Indicates Structural Concrete, Approach Slab ($f'_c = 4,000$ psi at 28 days)

NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

CONCRETE STRENGTH & TYPE LIMITS

NO SCALE

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN
2	DECK CONTOURS
3	FOUNDATION PLAN
4	ABUTMENT LAYOUT
5	ABUTMENT DETAILS NO. 1
6	ABUTMENT DETAILS NO. 2
7	TYPICAL SECTION
8	PRESTRESSED SLAB DETAILS
9	STRUCTURE APPROACH SLAB DETAILS
10	STRUCTURE APPROACH DRAINAGE DETAILS
11	CONSTRUCTION STAGING NO. 1
12	CONSTRUCTION STAGING NO. 2
13	CONCRETE BARRIER TYPE 85SW DETAILS NO. 1
14	CONCRETE BARRIER TYPE 85SW DETAILS NO. 2
15	CONCRETE BARRIER TYPE 85SW DETAILS NO. 3
16	CONCRETE BARRIER TYPE 85SW DETAILS NO. 4
17	TUBULAR BICYCLE RAILING DETAILS
18	LOG OF TEST BORINGS

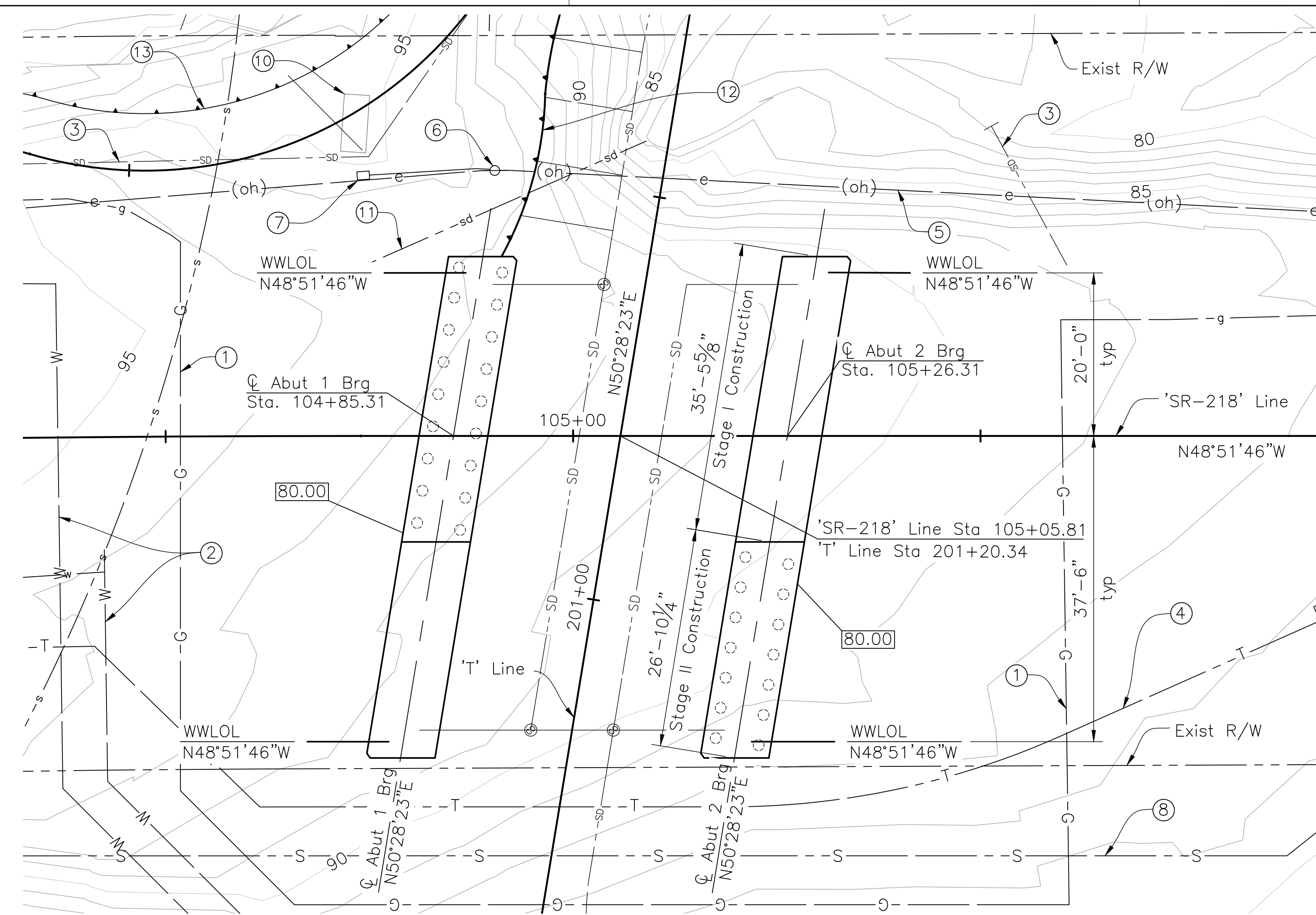
STANDARD PLANS DATED 2022

A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES & SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES & SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES & SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES & SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES & SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A62C	LIMITS OF PAYMENT FOR EXCAVATION & BACKFILL BRIDGE
T3A	TEMPORARY RAILING (TYPE K)
T3B	TEMPORARY RAILING (TYPE K)
T4	TEMPORARY TRAFFIC SCREEN
B0-1	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B2-8	PILE DETAILS CLASS 200
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B9-1	STRUCTURE APPROACH TYPE N (30)
B9-5	STRUCTURE APPROACH SLAB DETAILS
B11-83	CONCRETE BARRIER TYPE 85 DETAILS NO. 1
B11-84	CONCRETE BARRIER TYPE 85 DETAILS NO. 2
B11-85	CONCRETE BARRIER TYPE 85 DETAILS NO. 3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	125	195

REGISTERED CIVIL ENGINEER 4/27/2023 DATE
 4/28/2023 PLANS APPROVAL DATE
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 (831) 775-0903
 CORNERSTONE STRUCTURAL ENGINEERING GROUP
 986 W. Alluvial Ave, Suite 201
 Fresno, California 93711
 (559)320-3200

 DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE SAYGUNN LOW	DESIGN BY: N. Zermeno CHECKED: T. Eaton DETAILS BY: D. Fagundes CHECKED: T. Eaton QUANTITIES BY: D. Fagundes CHECKED: K. De La Cruz	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 44-0301 POST MILE 0.9 PROJECT ENGINEER NARCISO R. ZERMENO	FORTAG PEDESTRIAN UNDERCROSSING DECK CONTOURS	
DATE PLOTTED ==> \$DATE TIME PLOTTED ==> \$TIME FILE ==> \$REQUEST USERNAME ==> \$USER		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	COUNTY/ROUTE: MON/218 DISREGARD PRINTS BEARING EARLIER REVISION DATES CONTRACT No.: 05-1M570		REVISION DATES SHEET OF 3/2/21 4/21/23 4/2/23 2 18

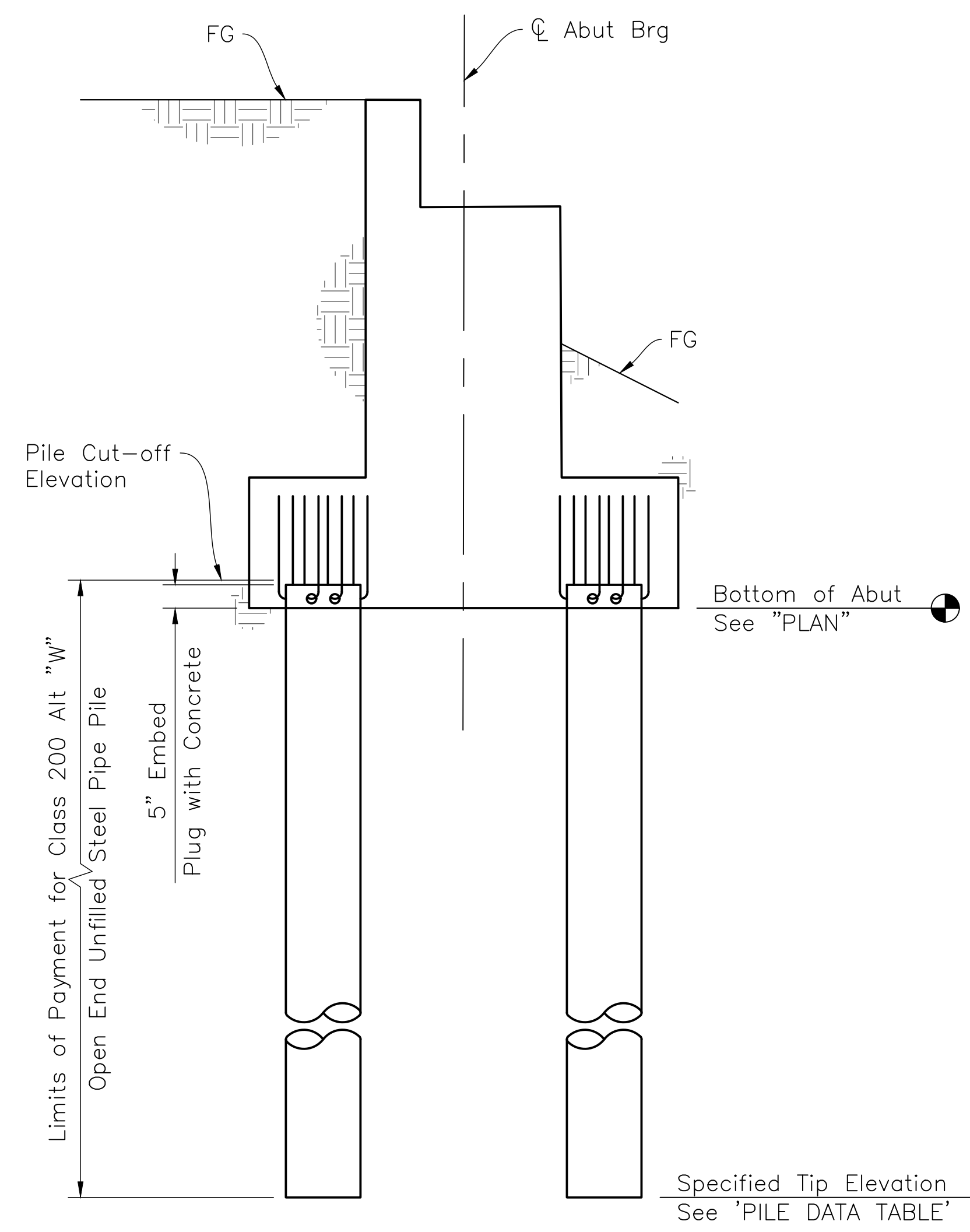


PLAN
1"=10'-0"

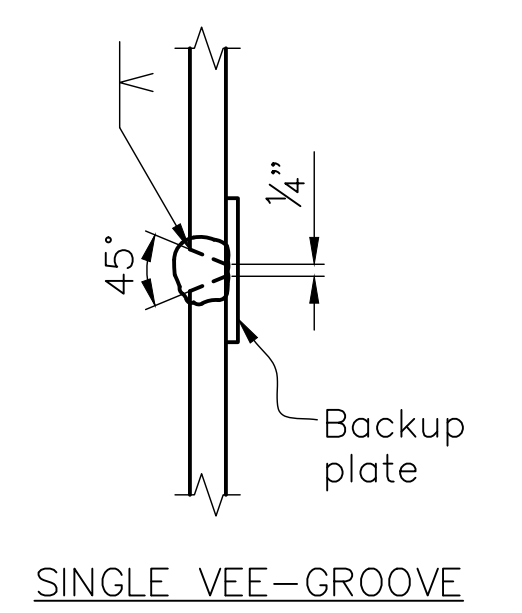
- NOTES:**
- Utility locations shown are approximate, for utility relocations see Roadway Plans.
 - See Roadway Plans for right-of-way data and limits of work.
 - Contour interval = 1'.
 - Contours shown indicate existing conditions. For finished grade contours, see Roadway Plans.

- LEGEND:**
- Indicates Driven Pile. Not all piles shown. See ABUTMENT LAYOUT sheet.
 - 80.00 Indicates Bottom of Abutment
 - 90- Indicates Contour Elevation
 - ① Proposed Gas Line, see Roadway Plans
 - ② Proposed Water Line, see Roadway Plans
 - ③ Proposed Stormwater Line, see Roadway Plans
 - ④ Proposed Communications Line, see Roadway Plans
 - ⑤ Exist Overhead Electric Lines to Remain
 - ⑥ Exist Overhead Electric Pole to Remain
 - ⑦ Exist Electrical Box to be Relocated, see Roadway Plans
 - ⑧ Proposed Sanitary Sewer Line, see Roadway Plans
 - ⑨ Exist Sanitary Sewer Line to Remain, see Roadway Plans
 - ⑩ Existing Pressure Regulating Station to be Relocated, see Roadway Plans
 - ⑪ Exist 16" Storm Water Line to be Removed, see Roadway Plans
 - ⑫ Retaining Wall No. 1, see RETAINING WALL GENERAL PLAN sheet for layout
 - ⑬ Retaining Wall No. 2, see Roadway Plans

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.



ABUTMENT PILE ELEVATION
1/2"=1'-0"



PILE SPLICE DETAIL
NO SCALE

BENCHMARK AND DATUM			
Monument	Datum	Elevation (ft)	Description/Location
941 3450 M TIDAL	NAVD 88	11.70	TIDAL BENCHMARK

PROJECT SURVEY CONTROL				
Monument	Coordinates (NAD83)		Elevation (NAVD88) (ft)	Description/Location
	North	East		
521 (MON-218-PM0.91)	2111621.68	5729184.99	93.94	Set Mag & Shiner
511 (MON-218-PM0.95)	2111493.76	5729336.84	85.23	Set Rebar & Cap


PILE DATA TABLE							
Support Location	Pile Type	Nominal Resistance (kips)		Cut-off Elev (ft)	Design Tip Elev (ft)	Specified Tip Elev (ft)	Required Nominal Driving Resistance (kips)
		Compression	Tension				
Abut 1	Class 200 Alt "W"	160	50	80.42	(1) 22.50; (2) 30.50; (3) 29.00	22.50	210
Abut 2	Class 200 Alt "W"	160	50	80.42	(1) 22.50; (2) 30.50; (3) 29.00	22.50	210

- NOTES:**
- Design tip elevation is controlled by the following demands: (1) Compression (2) Tension (3) Lateral
 - Specified tip elevations shall not be raised above the design tip elevations for lateral loads.

 DESIGN OVERSIGHT SAYGUNN LOW 4/28/2023 SIGN OFF DATE	SCALE: AS NOTED PHOTOGRAMMETRY AS OF: October 16, 2020 SURVEYED BY: T. Hannah FIELD CHECKED BY: T. Hannah	VERT. DATUM: NAVD88 GU4116 ALIGNMENT TIES: See PROJECT SURVEY CONTROL Table DRAFTED BY: R. Weber CHECKED BY: R. Weber	DESIGN BY: N. Zermeno DETAILS BY: D. Fagundes QUANTITIES BY: D. Fagundes	CHECKED BY: T. Eaton CHECKED BY: T. Eaton CHECKED BY: K. De La Cruz	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.: 44-0301 POST MILE: 0.9	FORTAG PEDESTRIAN UNDERCROSSING FOUNDATION PLAN	COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 3/9/21, 4/21/23, 4/27/23 SHEET 3 OF 18
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	126	195
 REGISTERED CIVIL ENGINEER				4/27/2023 DATE	
4/28/2023 PLANS APPROVAL DATE					
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CORNERSTONE STRUCTURAL ENGINEERING GROUP 986 W. Alluvial Ave, Suite 201 Fresno, California 93711 (559)320-3200					

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	127	195



 REGISTERED CIVIL ENGINEER DATE 4/27/2023

 PLANS APPROVAL DATE 4/28/2023

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 Salinas, California 93901

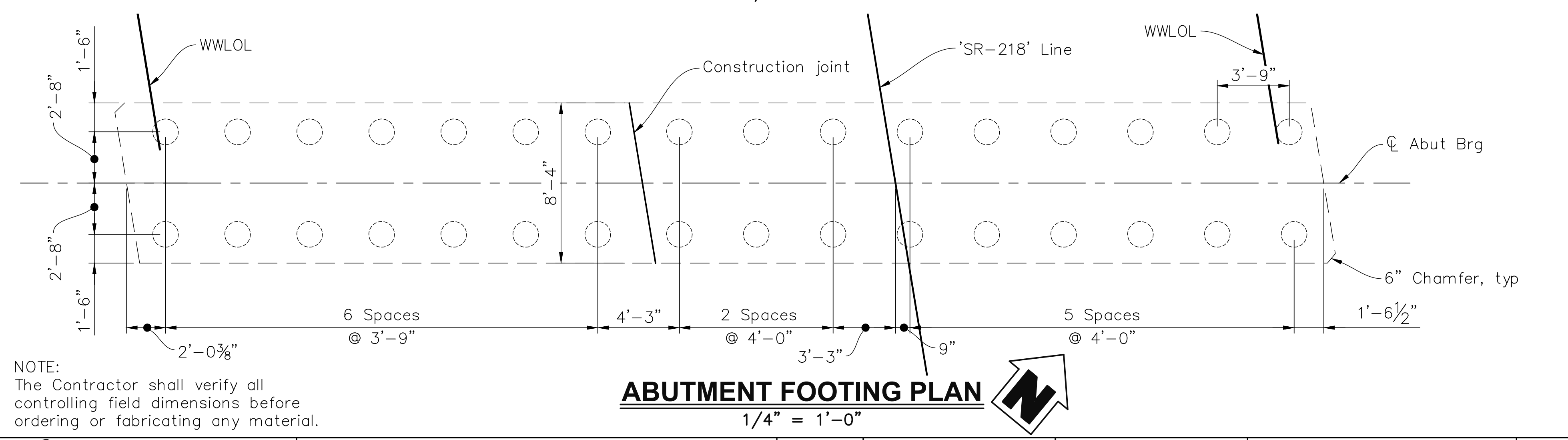
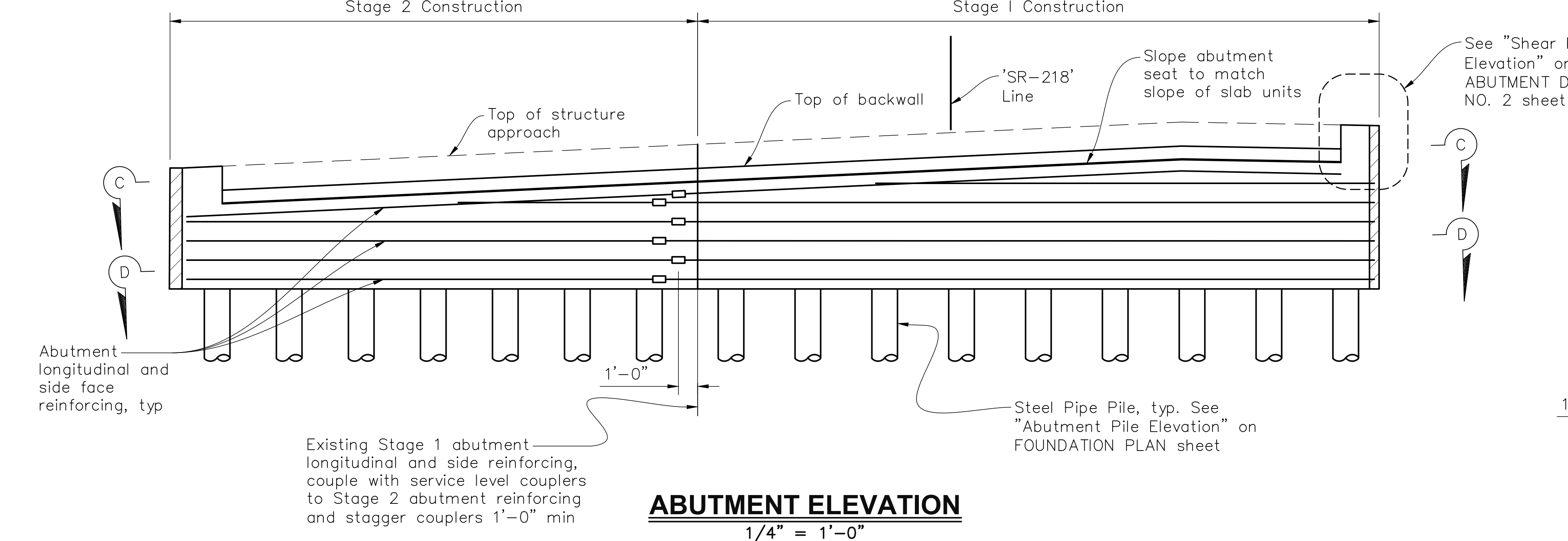
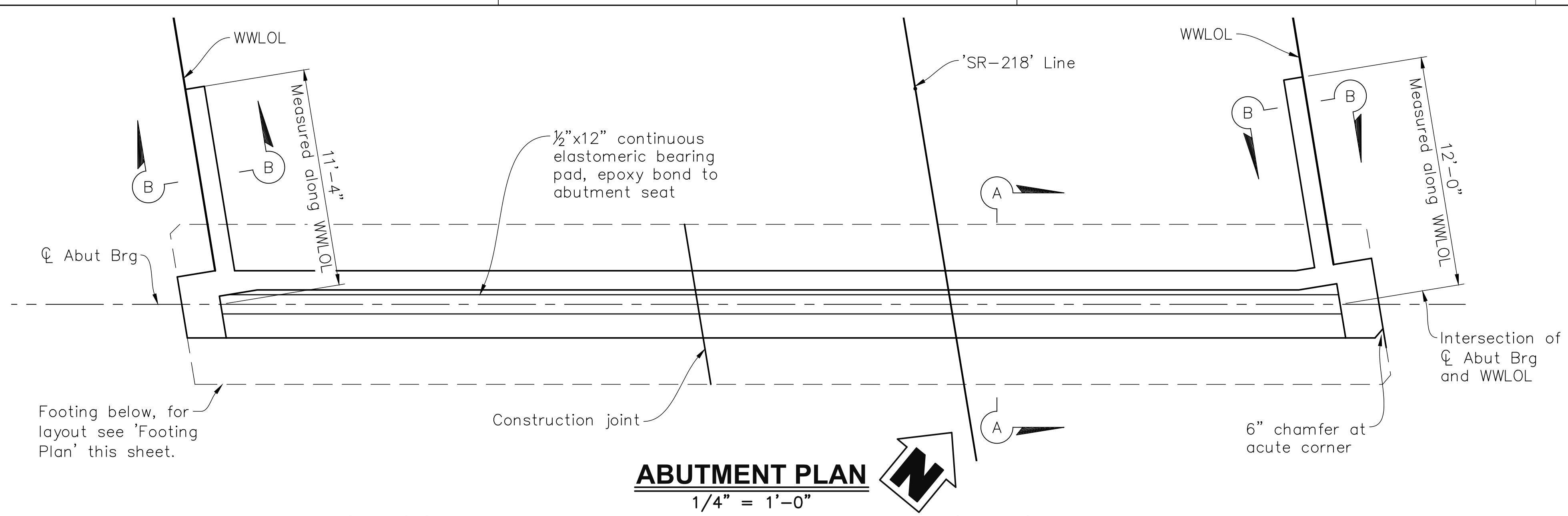
 (831) 775-0903

 CORNERSTONE STRUCTURAL ENGINEERING GROUP

 986 W. Alluvial Ave, Suite 201

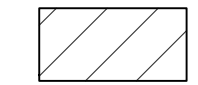
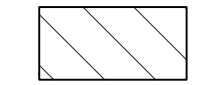
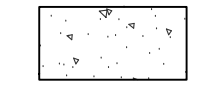
 Fresno, California 93711

 (559)320-3200



NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

LIMITS OF STRUCTURE EXCAVATION AND BACKFILL
NO SCALE

-  Structure Excavation (Bridge)
-  Structure Backfill (Bridge)
-  Structure Backfill (Bridge) (Class 2 AB)

- NOTES:
- Abutment 1 shown, Abutment 2 similar.
 - For "Section A-A" and "Section B-B", see ABUTMENT DETAILS NO. 1 sheet.
 - For "Section C-C" and "Section D-D", see ABUTMENT DETAILS NO. 2 sheet.
 - See CONSTRUCTION STAGING PLAN NO. 1 sheet and CONSTRUCTION STAGING PLAN NO. 2 sheet for construction staging notes.
 - See STRUCTURE APPROACH DRAINAGE DETAILS sheet for abutment drainage details.

DESIGN OVERSIGHT
 4/28/2023
 SIGN OFF DATE

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

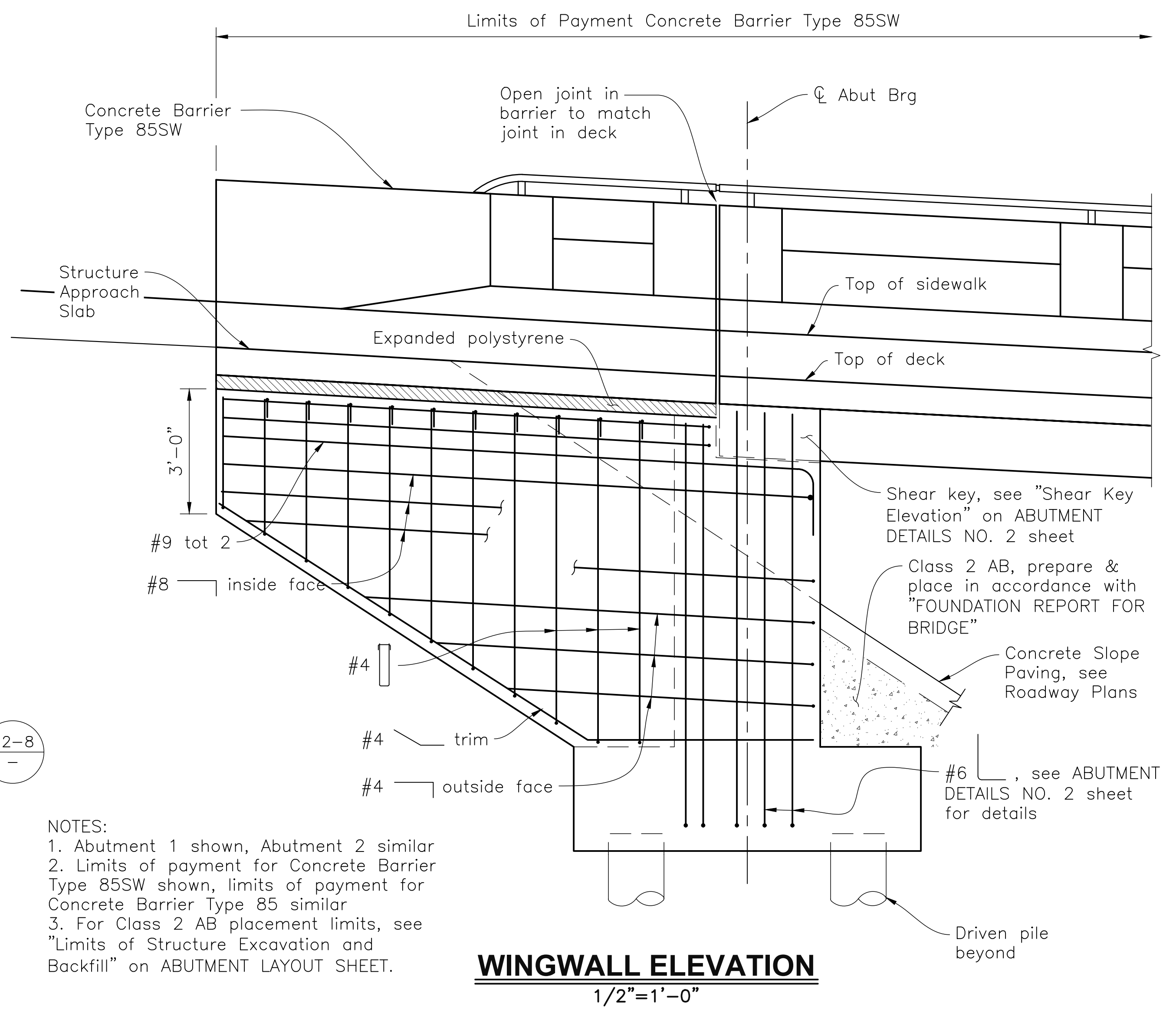
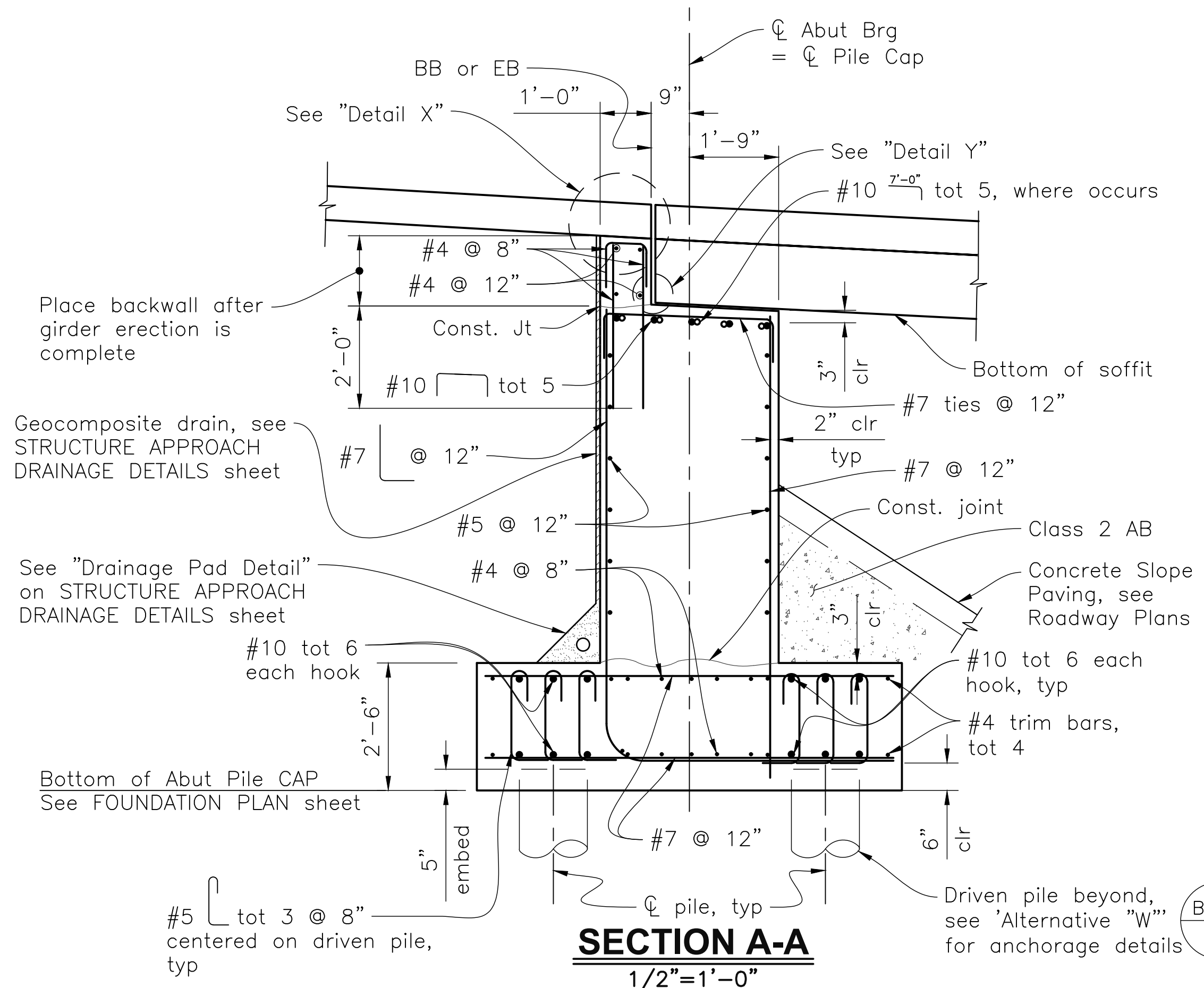
PREPARED FOR THE
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BRIDGE No. 44-0301
 PROJECT ENGINEER NARCISO R. ZERMENO
 POST MILE 0.9

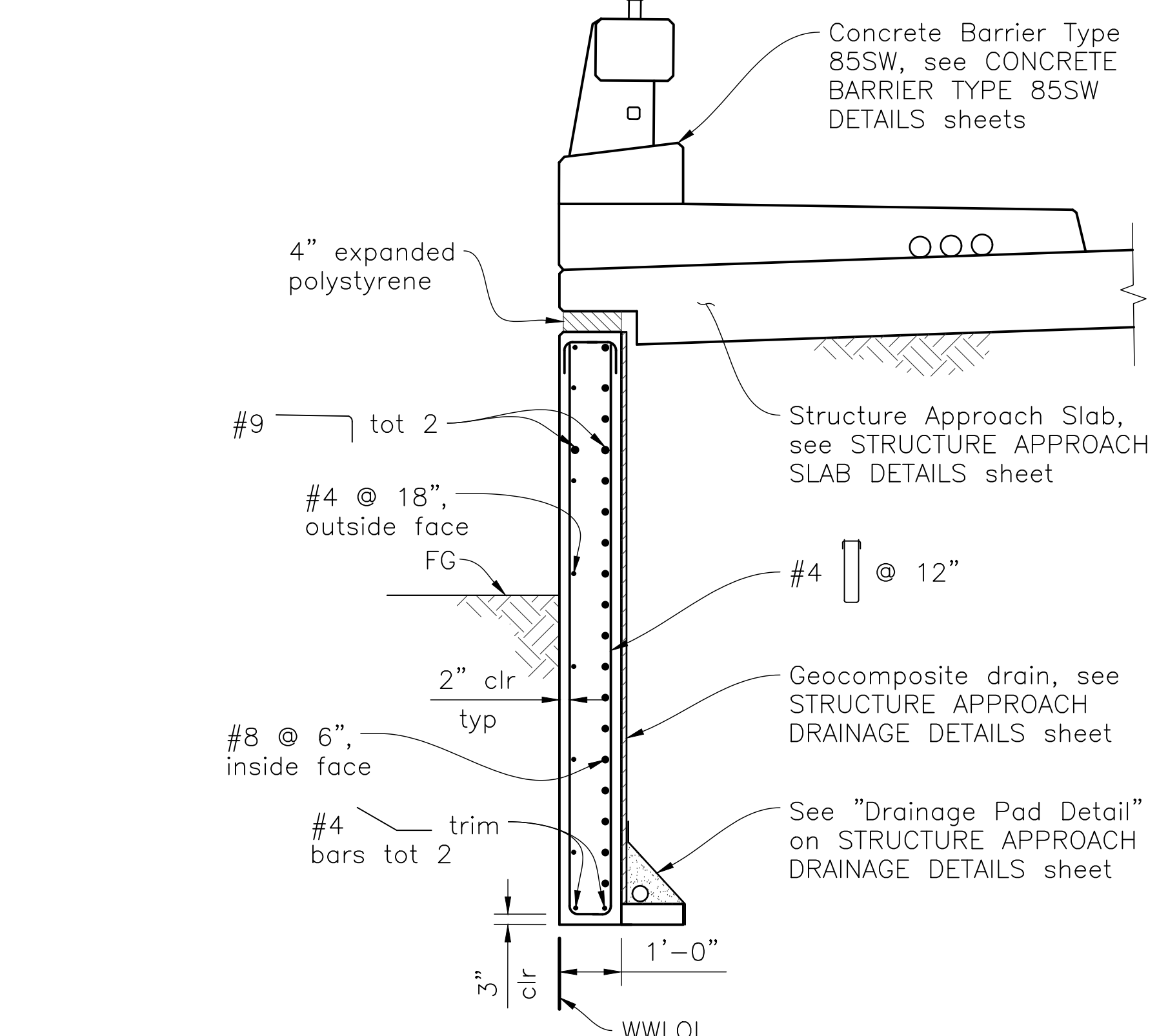
FORTAG PEDESTRIAN UNDERCROSSING
ABUTMENT LAYOUT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	128	195

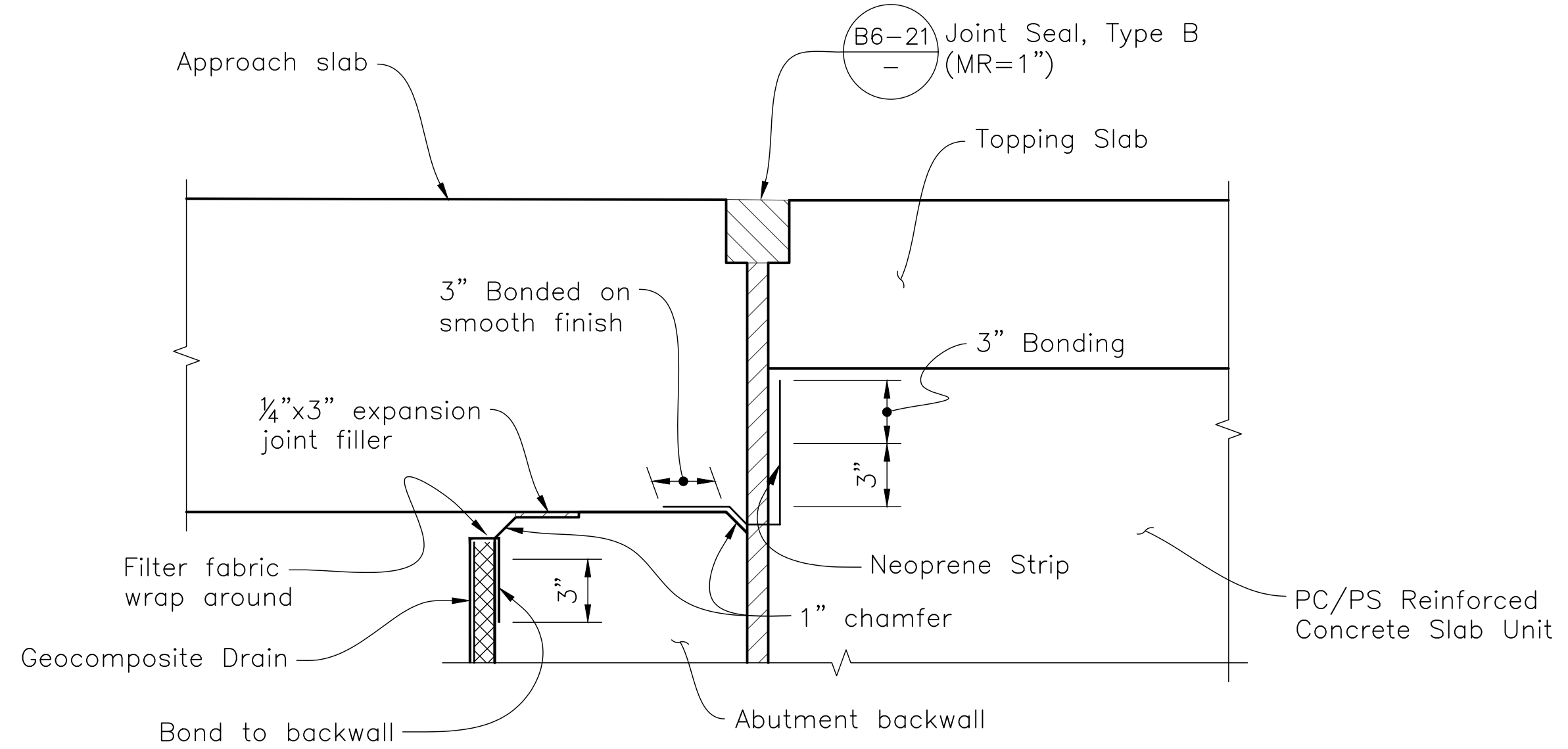
REGISTERED CIVIL ENGINEER *Narciso R. Zermeno* DATE 4/27/2023
 REGISTERED PROFESSIONAL ENGINEER No. S6783 EXP. 3/31/24
 PLANS APPROVAL DATE 4/28/2023
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 (559)320-3200



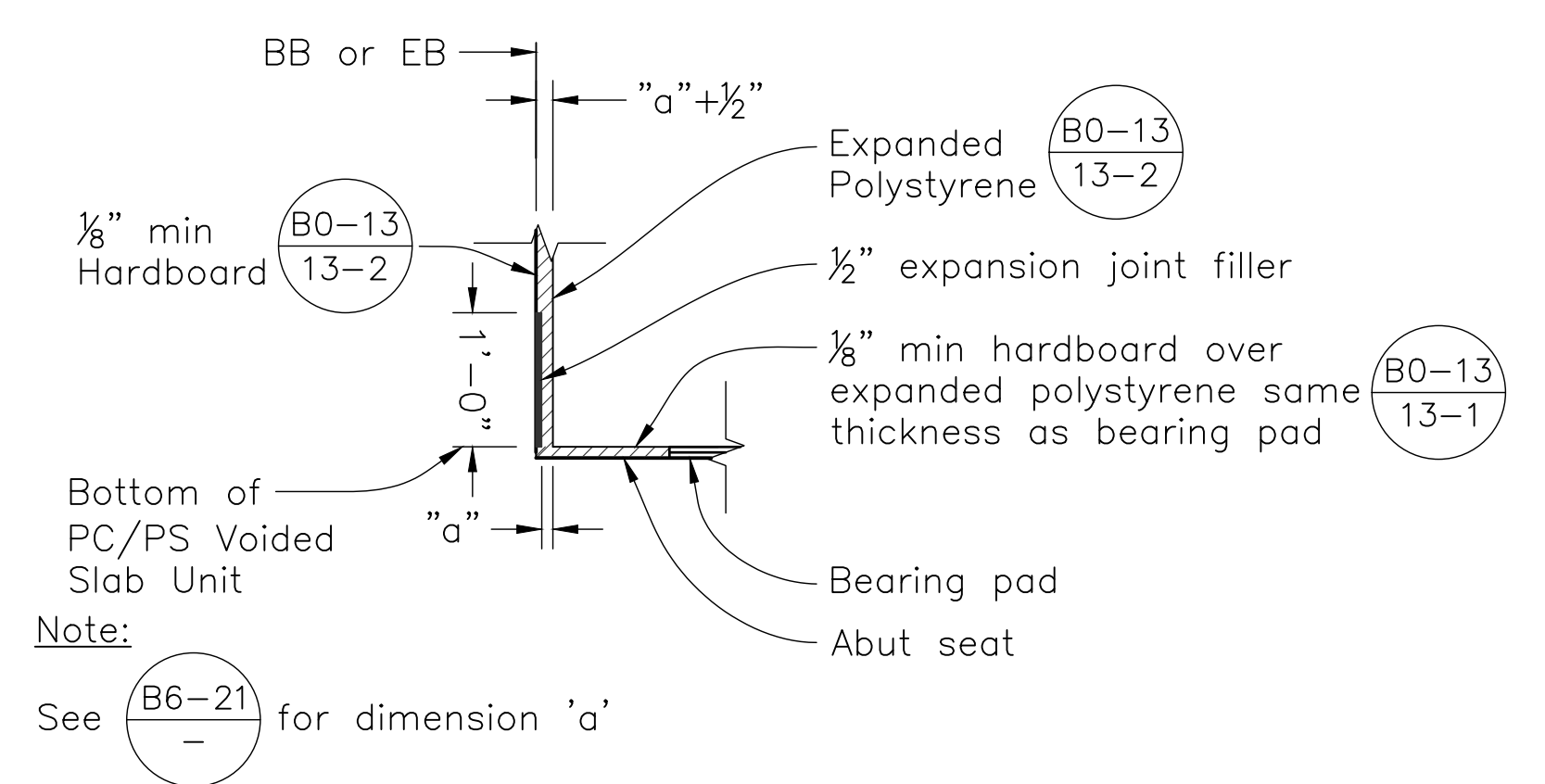
NOTES:
 1. Abutment 1 shown, Abutment 2 similar
 2. Limits of payment for Concrete Barrier Type 85SW shown, limits of payment for Concrete Barrier Type 85 similar
 3. For Class 2 AB placement limits, see "Limits of Structure Excavation and Backfill" on ABUTMENT LAYOUT SHEET.



NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.



NOTE:
 Reinf. not shown.



DESIGN OVERSIGHT
 4/28/2023
 SIGN OFF DATE

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

DATE PLOTTED => \$DATE
 FILE => \$REQUEST
 TIME PLOTTED => \$TIME
 USERNAME => \$USER
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

PREPARED FOR THE
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BRIDGE No. 44-0301
 POST MILE 0.9

PROJECT NUMBER & PHASE: 0520000029


FORTAG PEDESTRIAN UNDERCROSSING
 ABUTMENT DETAILS NO. 1

COUNTY/ROUTE: MON/218
 CONTRACT No.: 05-1M570

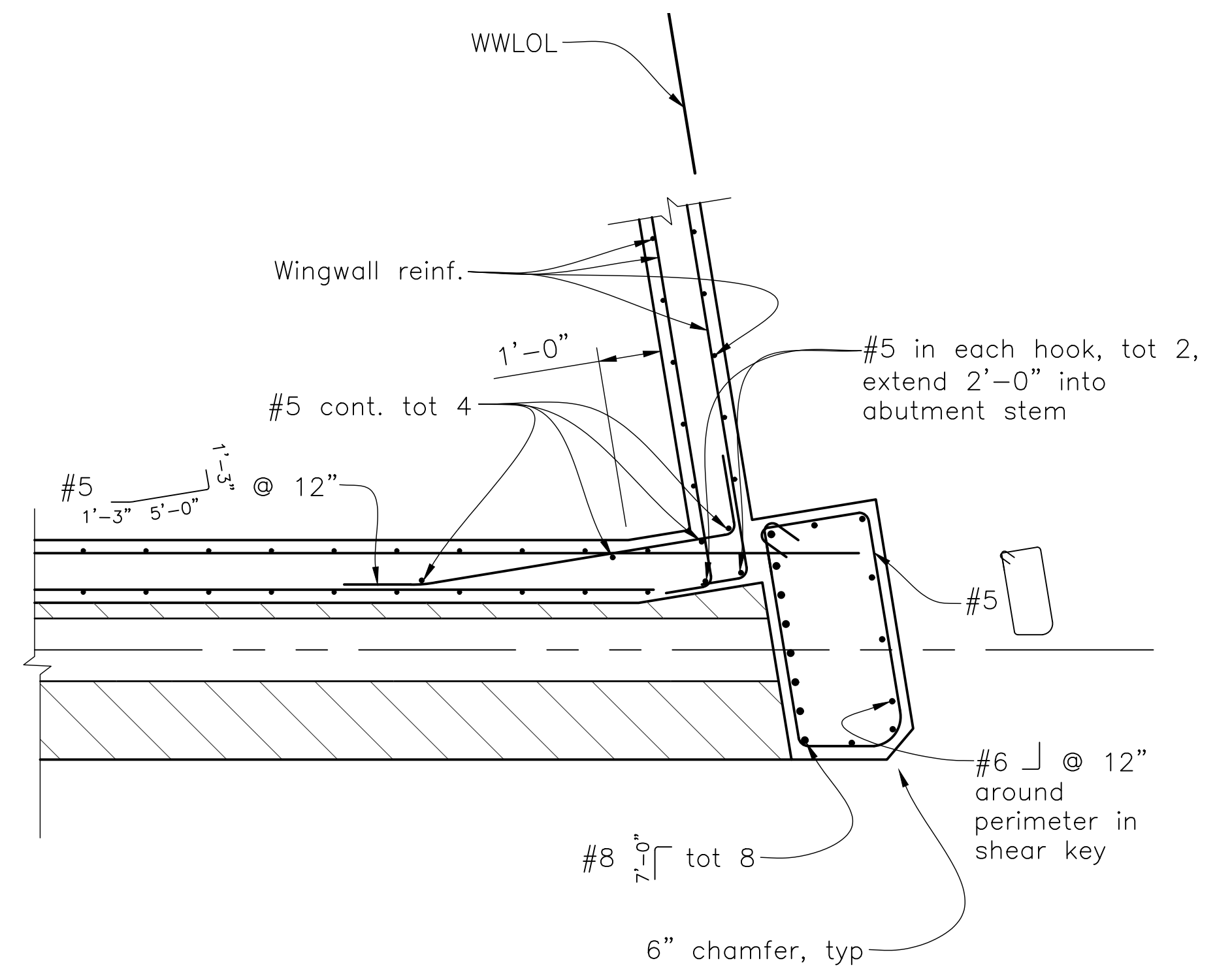
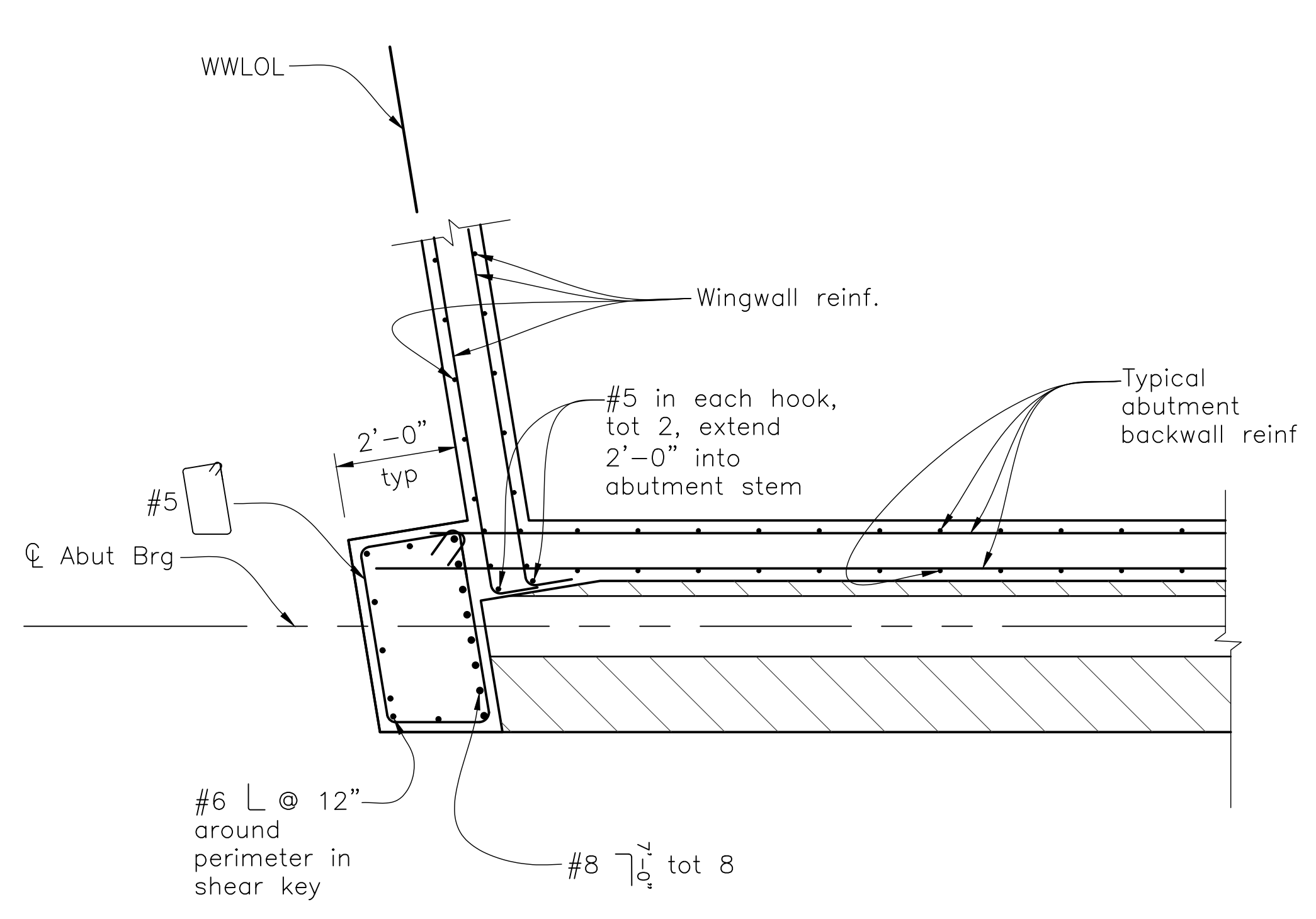
REVISION DATES: 3/21, 4/21/23, 4/23

SHEET 5 OF 18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	129	195

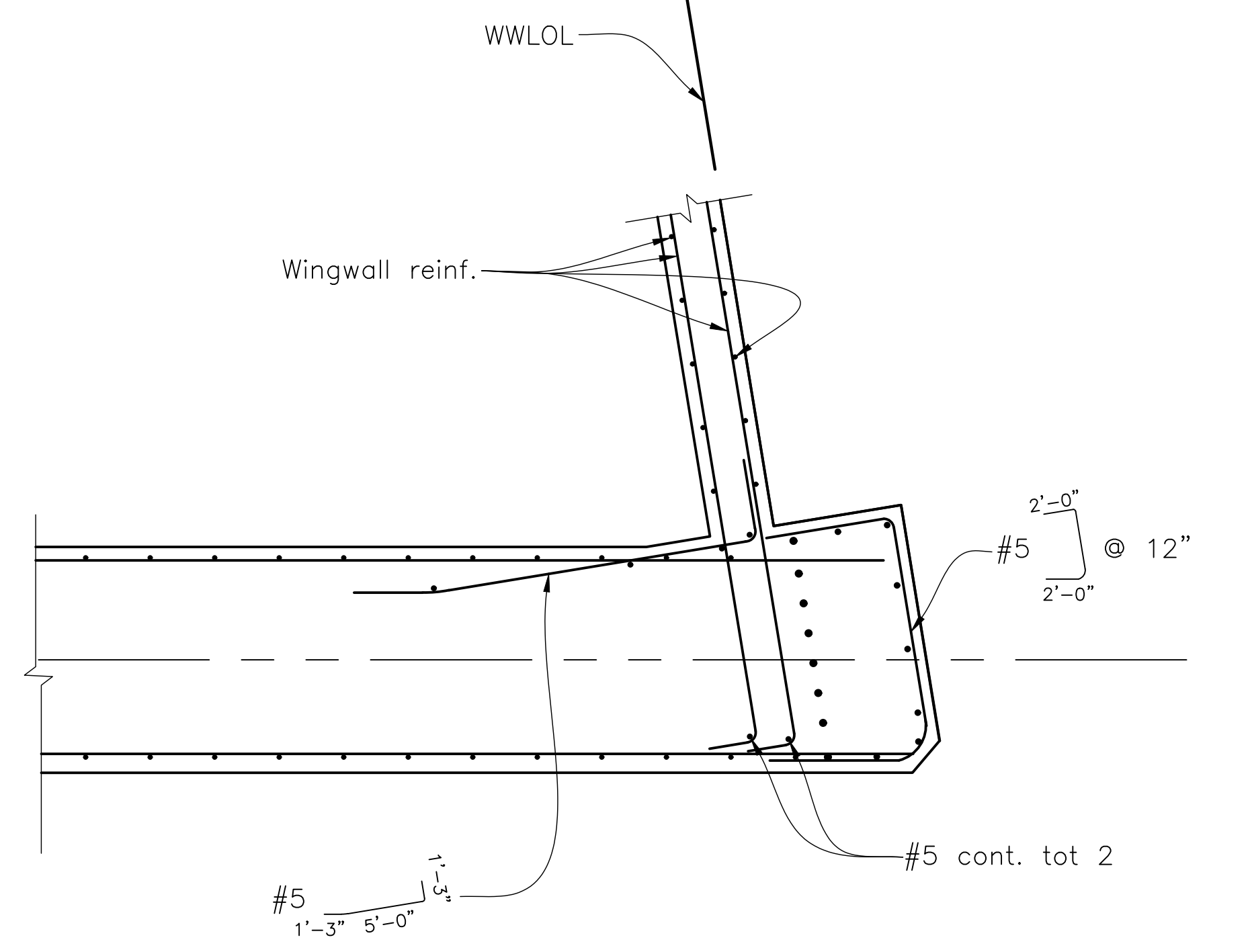
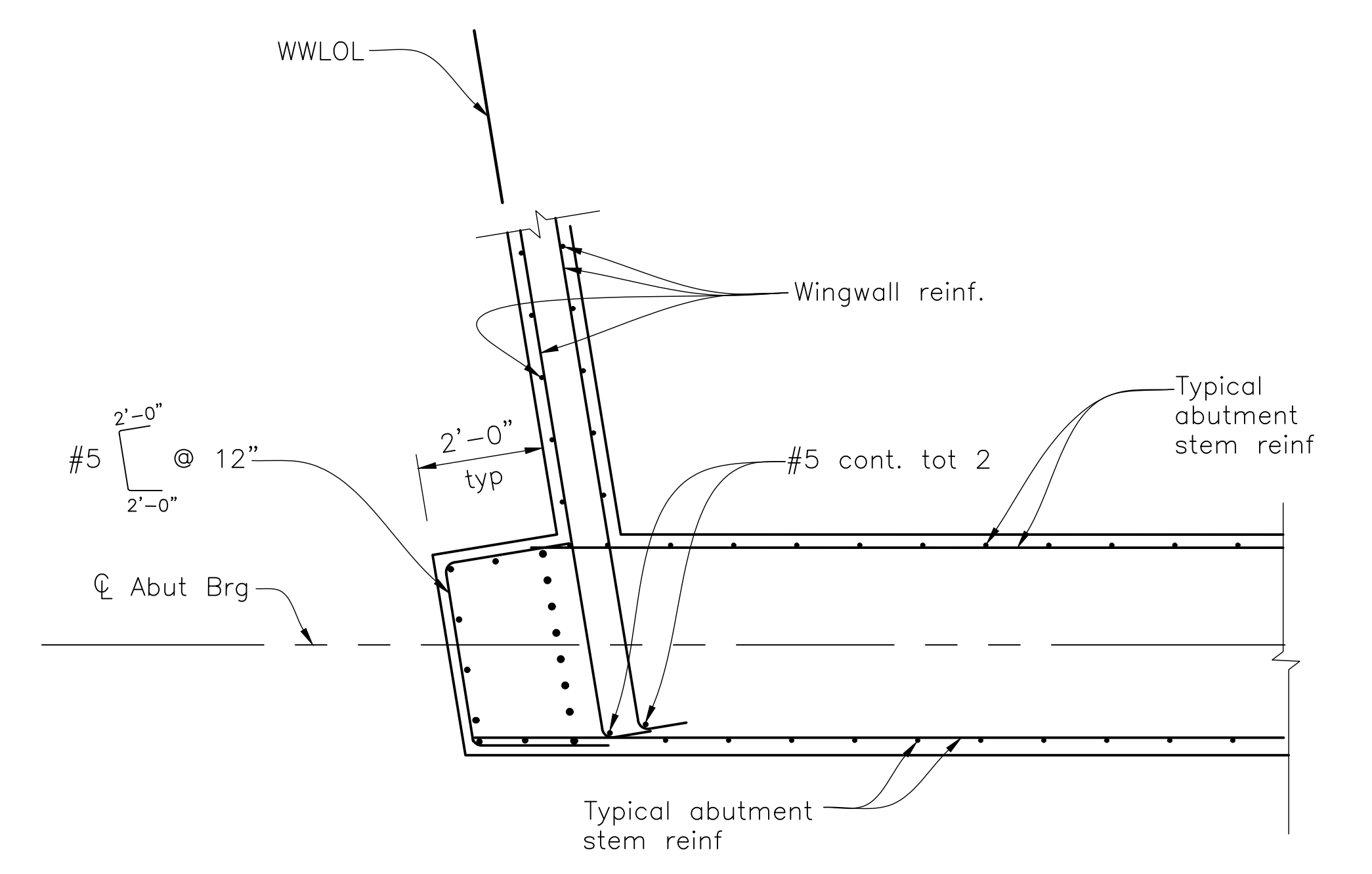

 REGISTERED CIVIL ENGINEER DATE 4/27/2023
 PLANS APPROVAL DATE 4/28/2023
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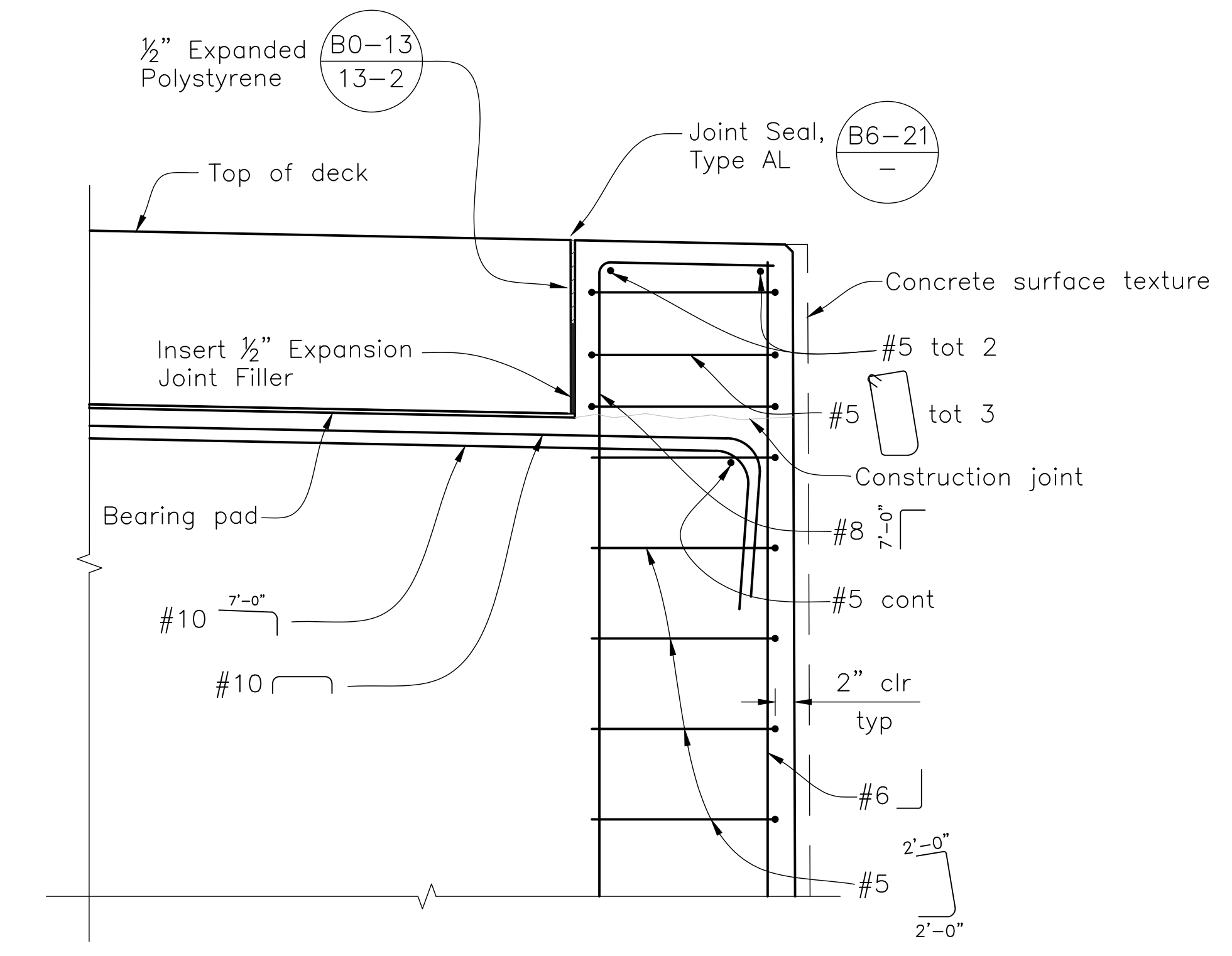
SECTION C-C
1/2"=1'-0"

NOTE:
Abut 1 shown, Abut 2 similar.



SECTION D-D
1/2"=1'-0"

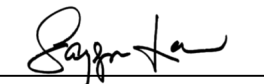
NOTES:
1. Abut 1 shown, Abut 2 similar.
2. See 'Section C-C' for details not shown.



Note:
Not all abutment reinf. shown.

SHEAR KEY ELEVATION
3/4"=1'-0"

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.


 DESIGN OVERSIGHT SAYGUNN LOW
 4/28/2023
 SIGN OFF DATE

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

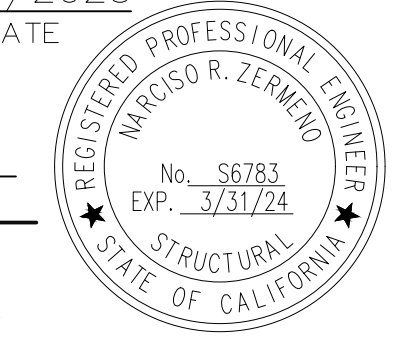
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 DEPARTMENT OF TRANSPORTATION

BRIDGE No. 44-0301
 PROJECT ENGINEER NARCISO R. ZERMENO
 POST MILE 0.9

FORTAG PEDESTRIAN UNDERCROSSING
ABUTMENT DETAILS NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	130	195

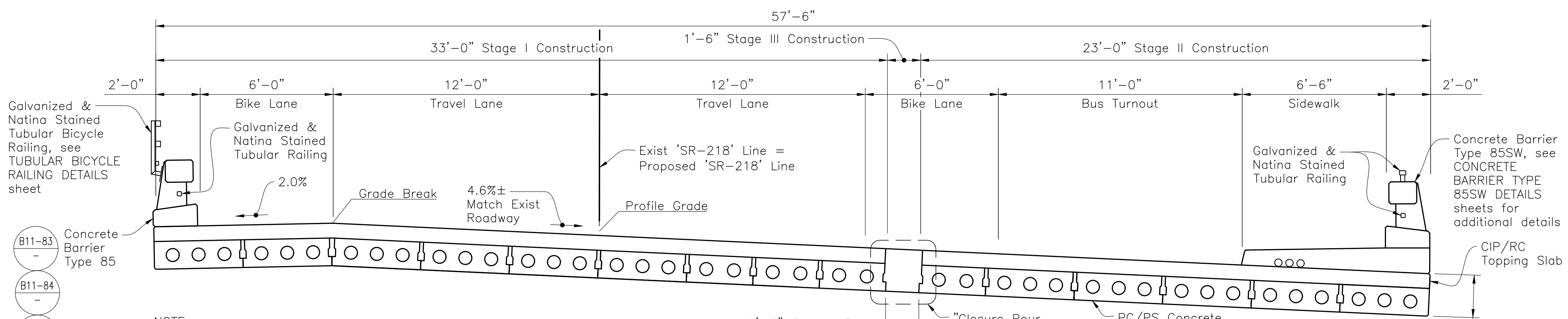
Narciso R. Zermeno
 REGISTERED CIVIL ENGINEER
 DATE 4/27/2023
 4/28/2023
 PLANS APPROVAL DATE



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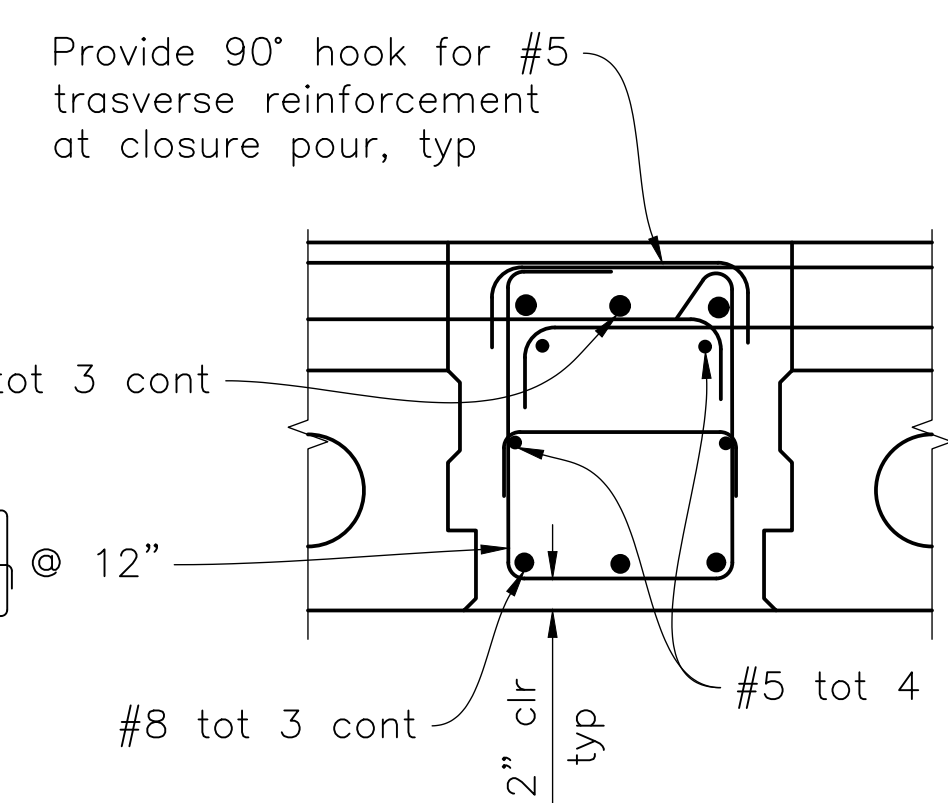
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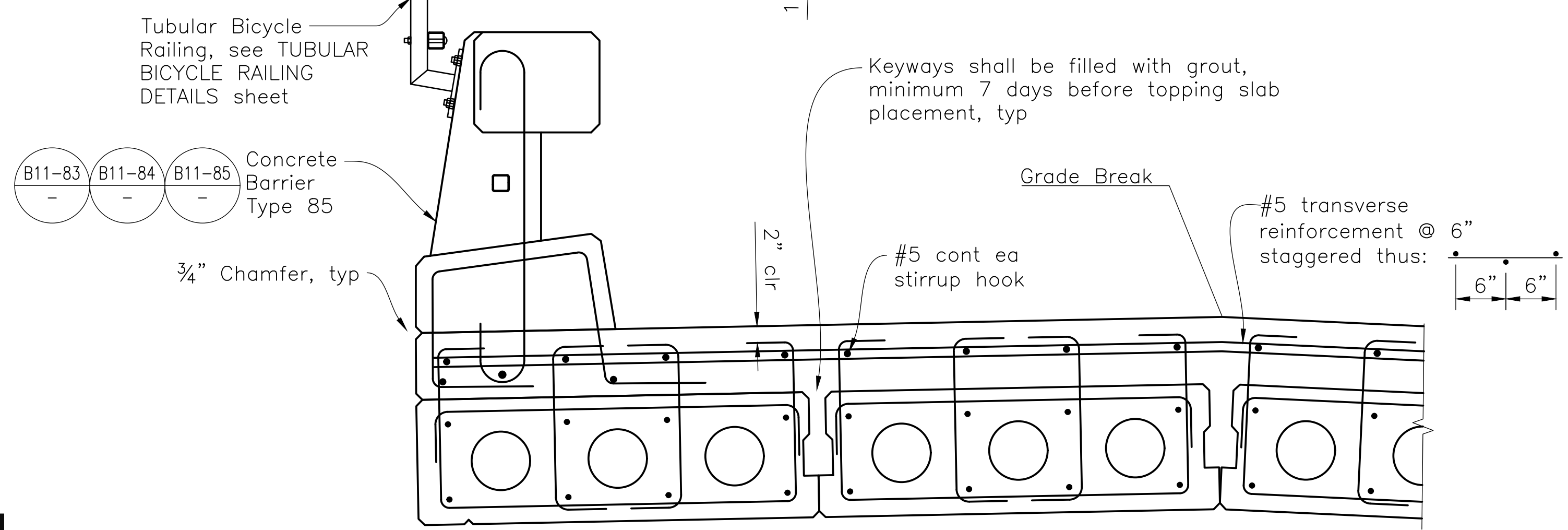
NOTE:
 1. The closure pour concrete shall be Structural Concrete Bridge (Polymer Fiber) (f'c = 4,000 psi @ 28 days). The deck closure pour shall not be placed until 14 days after Stage II deck is placed.

TYPICAL SECTION
 1/2"=1'-0"

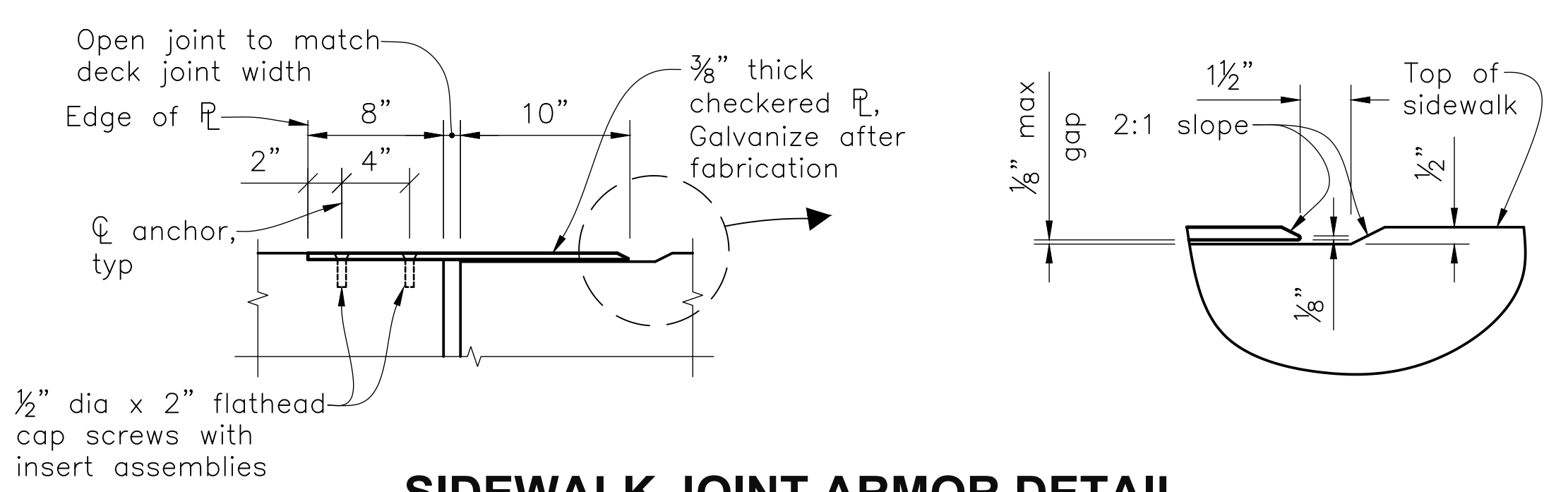
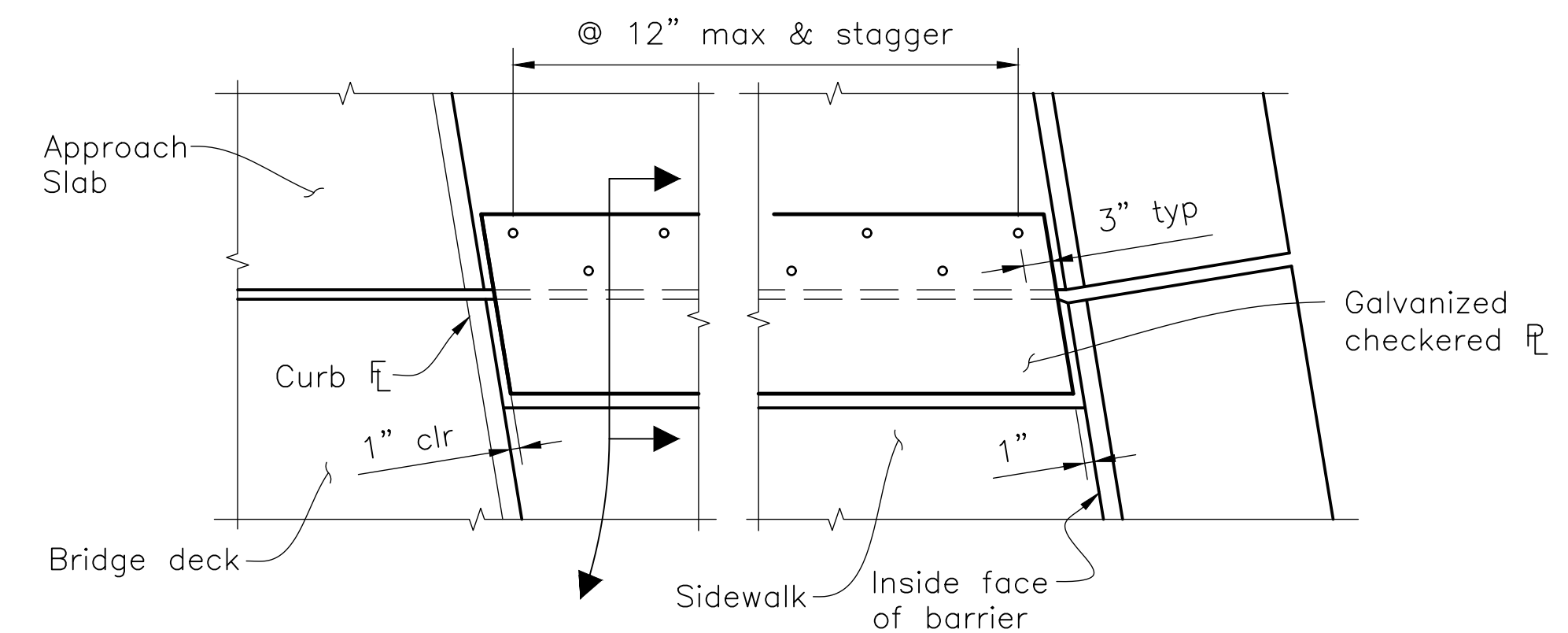
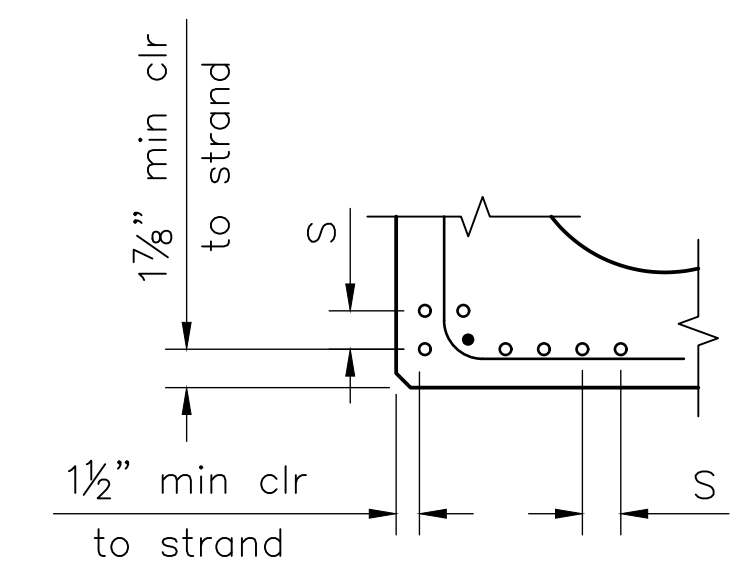


CLOSURE POUR DETAIL
 1"=1'-0"

PARTIAL TYPICAL SECTION
 1"=1'-0"

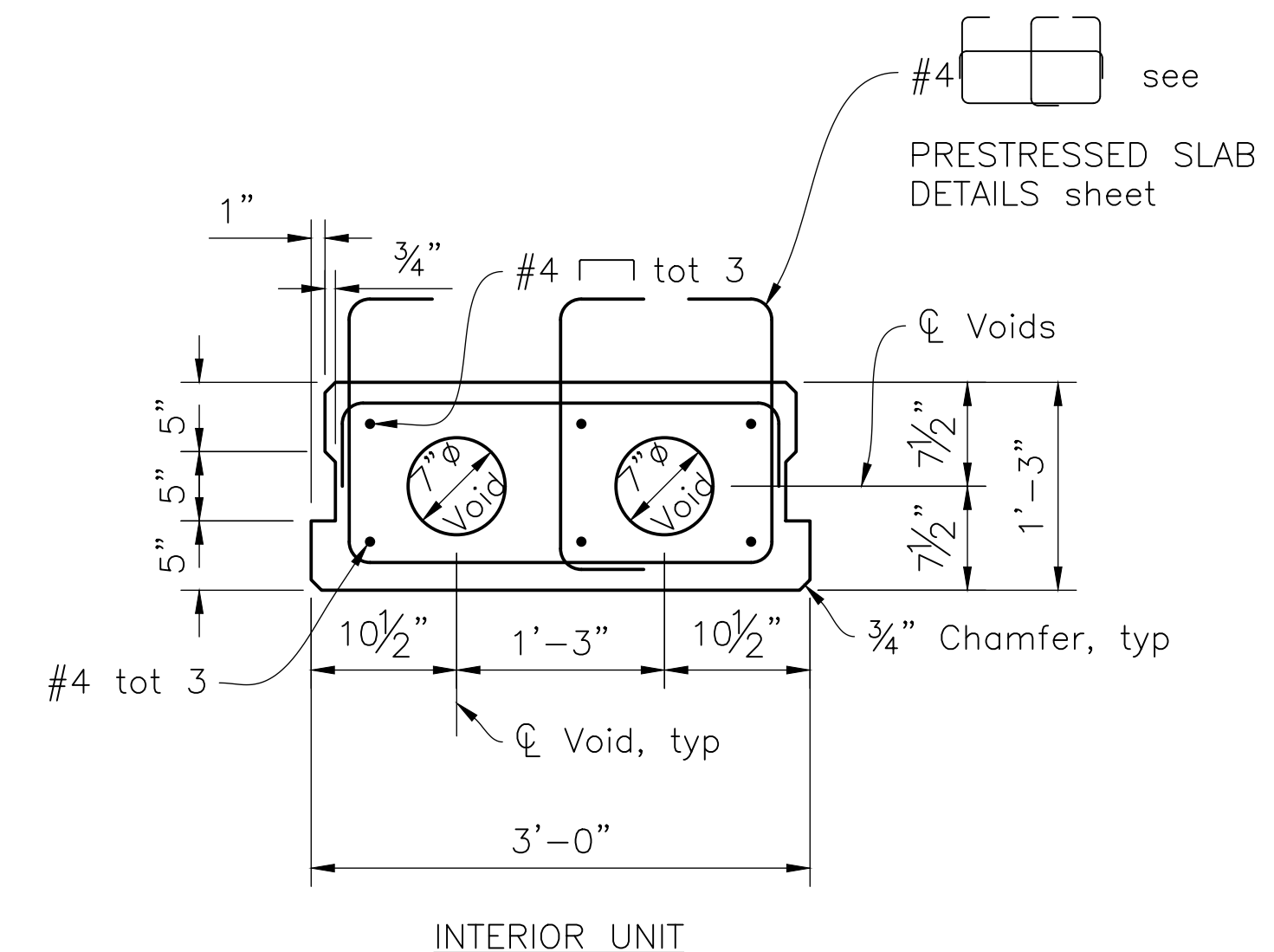


CLEARANCES FOR PRETENSIONED STRANDS
 NO SCALE

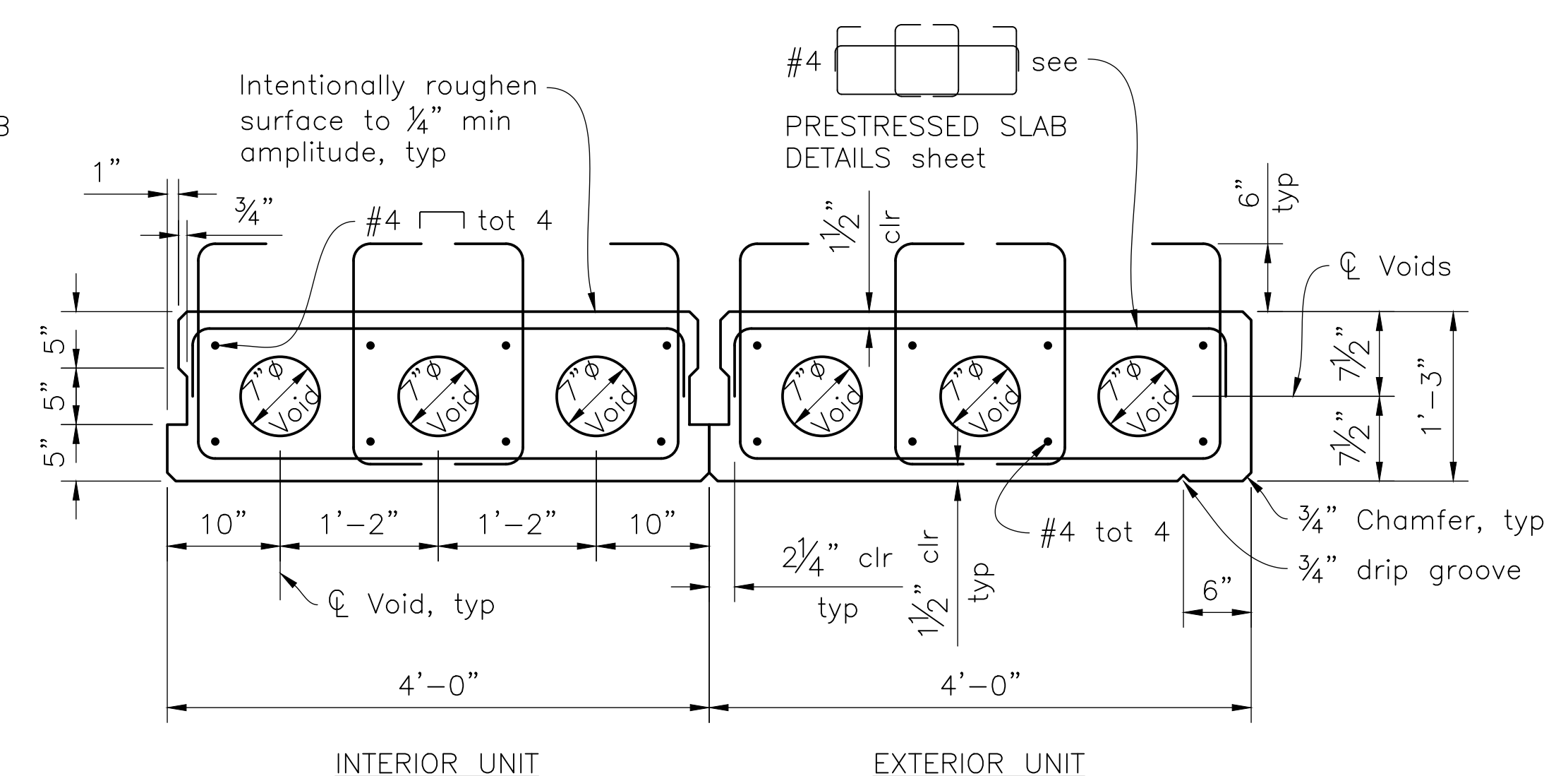


SIDEWALK JOINT ARMOR DETAIL
 NO SCALE

NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.



INTERIOR UNIT



INTERIOR UNIT

EXTERIOR UNIT

TYPICAL PRECAST PRESTRESSED SLAB UNITS
 1"=1'-0"

DESIGN OVERSIGHT
 4/28/2023
 SIGN OFF DATE

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

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 FILE => \$REQUEST

TIME PLOTTED => \$TIME
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

NARCISO R. ZERMENO
 PROJECT ENGINEER

BRIDGE No.
 44-0301
 POST MILE
 0.9

FORTAG PEDESTRIAN UNDERCROSSING
TYPICAL SECTION

PRESTRESSING NOTES

- The Jacking Force (P) is the jacking force required at the point of control along the span. The jacking force does not include any fabrication specific losses.
- The maximum tensile stress in the prestressing steel upon release shall not exceed 75% of the specified minimum ultimate tensile strength of the prestressing steel.
- The maximum temporary tensile stress (jacking stress) in the prestressing steel shall not exceed 80% of the specified minimum ultimate tensile strength of the prestressing steel.
- Concrete Strength:
 f'_{ci} is at the time of initial stressing
 f'_c is at 28 days
- Keyways to be filled with grout.

Precast Prestressed unit location or designation and length	Jacking Force (P) (kips)	Concrete Strength (ksi)	
		f'_{ci}	f'_c
36" Interior/42'-4"	527.3	4.0	5.0
48" Interior/42'-4"	703.1	4.0	5.0
48" Exterior/42'-4"	703.1	4.0	5.0

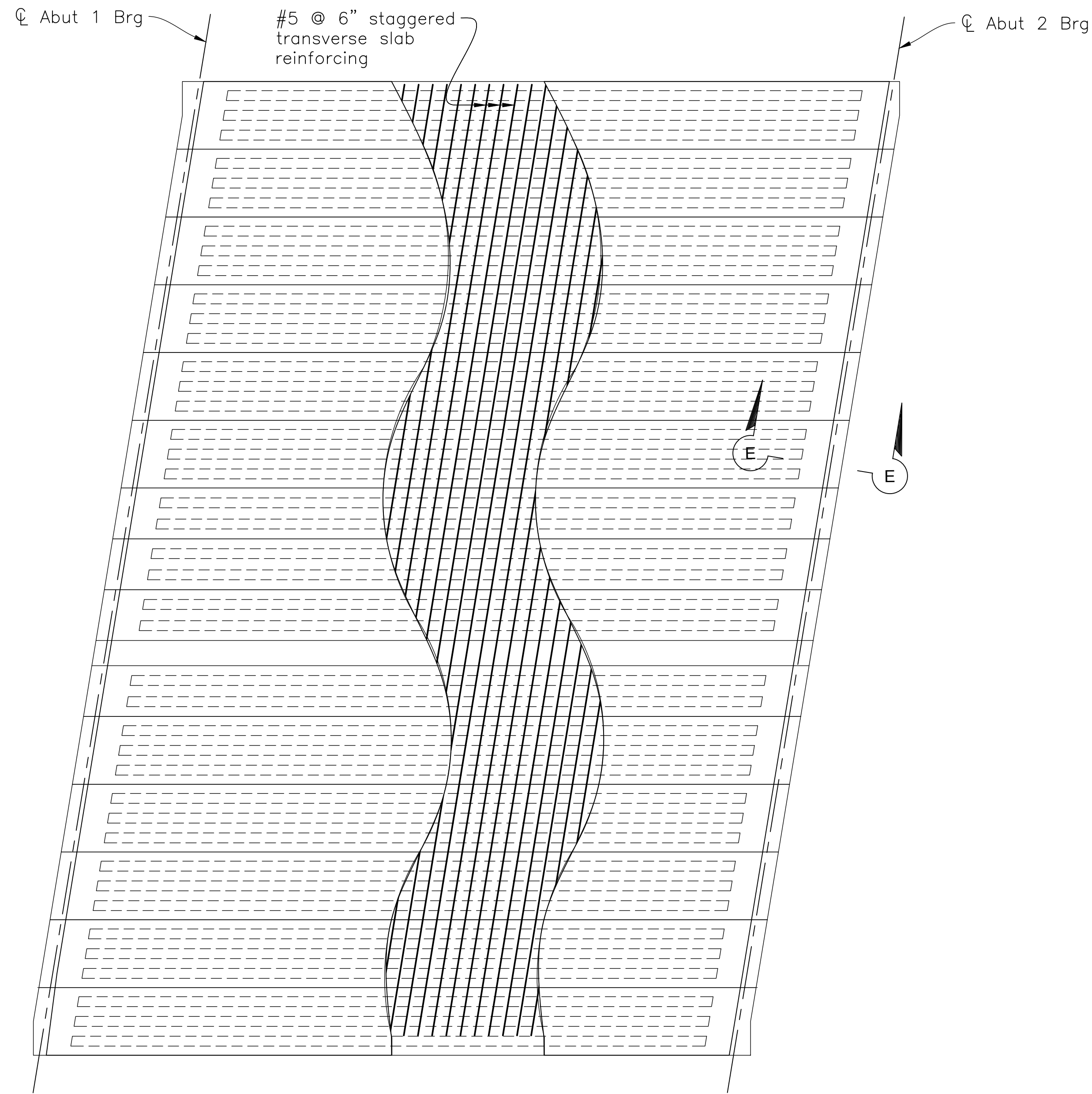
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Narciso R. Zermeno
 REGISTERED CIVIL ENGINEER DATE 4/27/2023
 PLANS APPROVAL DATE 4/28/2023
 No. S6783
 EXP. 3/31/24
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 STRUCTURAL

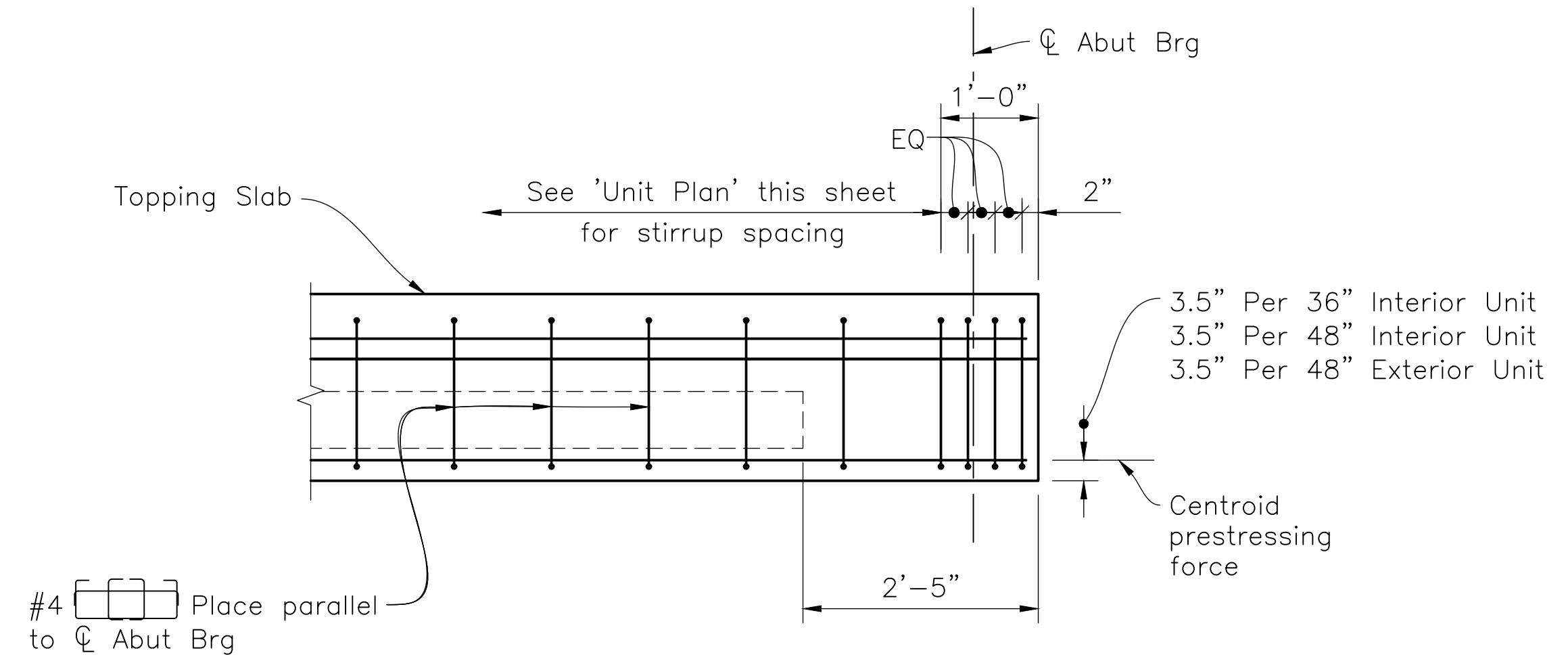
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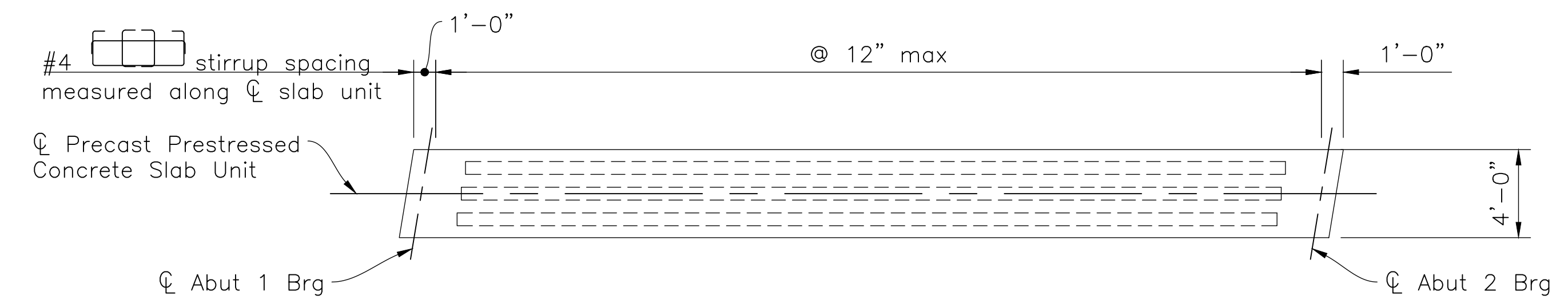
CORNERSTONE STRUCTURAL ENGINEERING GROUP
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 Fresno, California 93711
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TOPPING SLAB TRANSVERSE REINFORCING LAYOUT
1" = 5'-0"

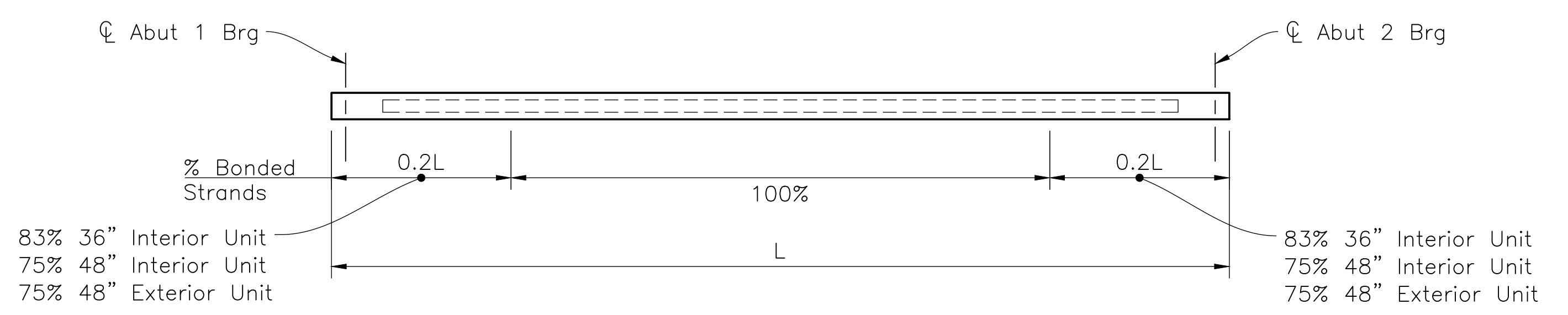


SECTION E-E
3/4" = 1'-0"



UNIT PLAN
1" = 5'-0"

Note:
48" Unit shown, 36" unit similar.




UNIT ELEVATION
1" = 5'-0"

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

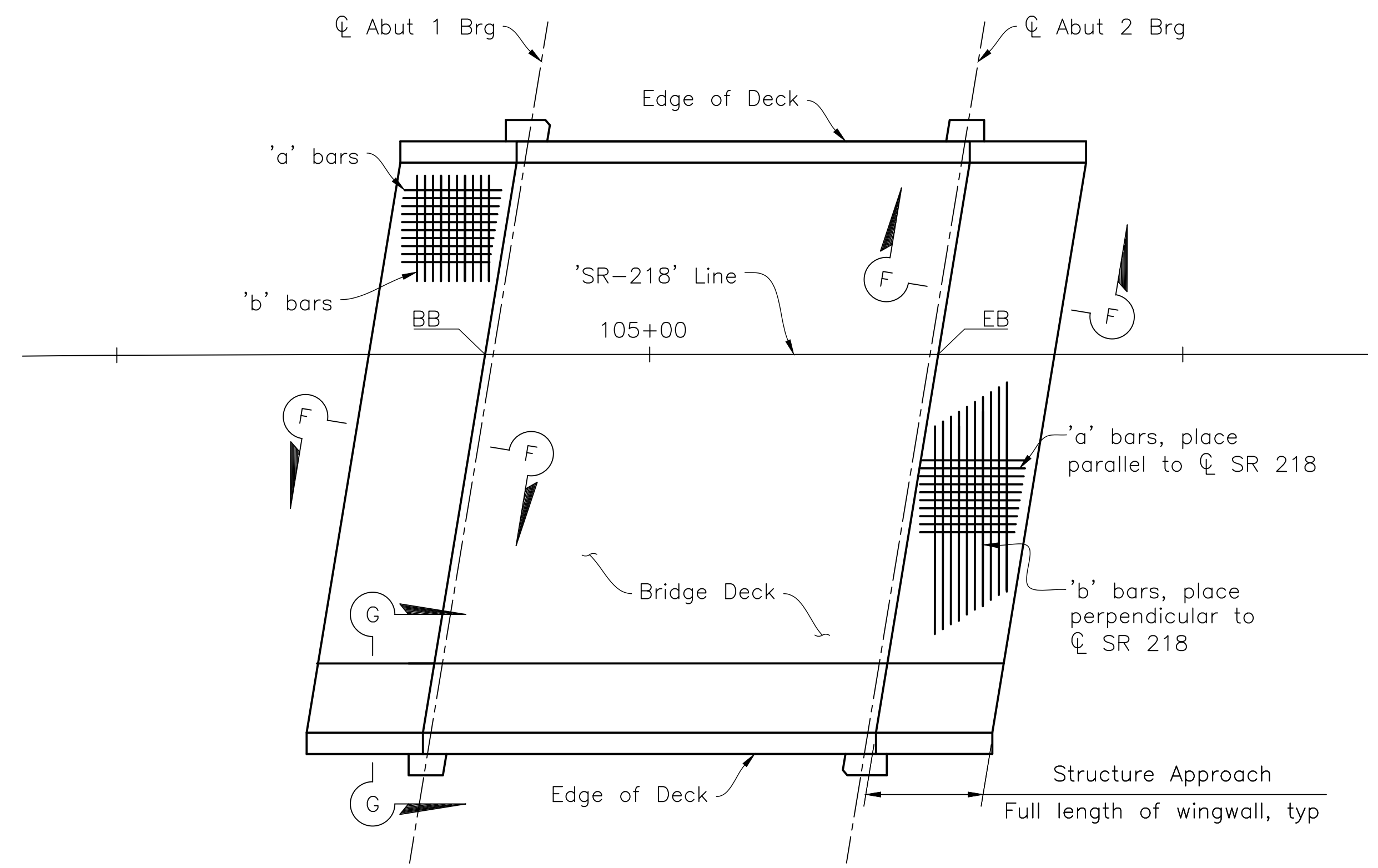
DESIGN OVERSIGHT <i>Sayun Low</i> SAYUNN LOW 4/28/2023 SIGN OFF DATE	DESIGN	BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	FORTAG PEDESTRIAN UNDERCROSSING PRESTRESSED SLAB DETAILS	
	DETAILS	BY D. Fagundes	CHECKED T. Eaton		PROJECT ENGINEER		44-0301
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz		PROJECT ENGINEER		0.9
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE	TIME PLOTTED => \$TIME	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	PROJECT NUMBER & PHASE: 0520000029	COUNTY/ROUTE: MON/218	DISREGARD PRINTS BEARING EARLIER REVISION DATES	
	FILE => \$REQUEST	USERNAME => \$USER			CONTRACT No.: 05-1M570	REVISION DATES 3/22/21 4/21/23 4/2/23	
						SHEET 8 OF 18	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	132	195

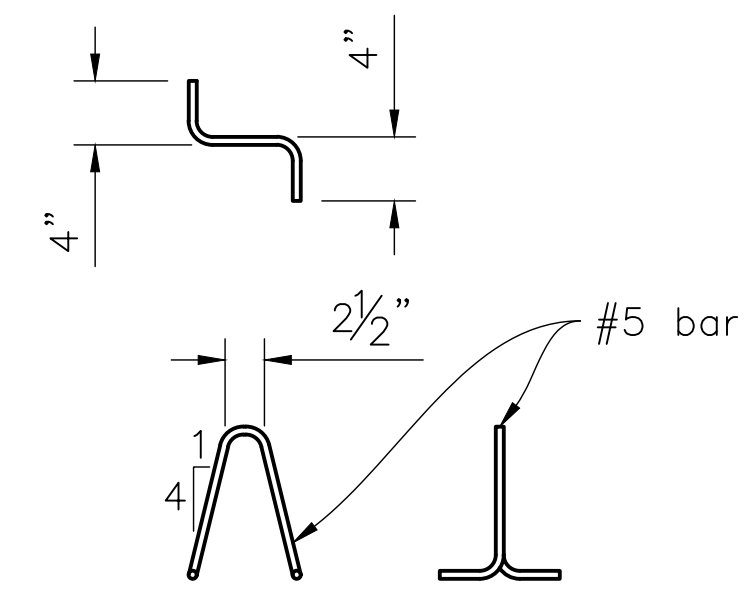

 REGISTERED CIVIL ENGINEER DATE 4/27/2023
 4/28/2023
 PLANS APPROVAL DATE
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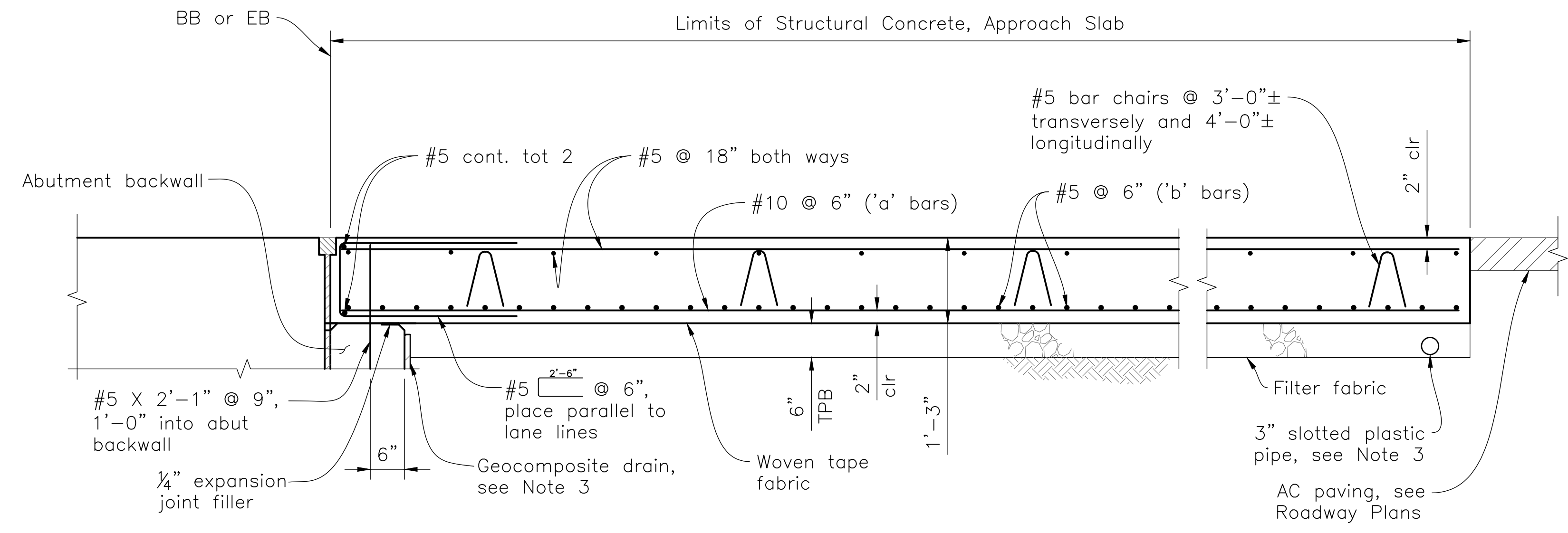
TRANSPORTATION AGENCY FOR MONTEREY COUNTY
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 Salinas, California 93901
 (831) 775-0903
 CORNERSTONE STRUCTURAL ENGINEERING GROUP
 986 W. Alluvial Ave, Suite 201
 Fresno, California 93711
 (559)320-3200



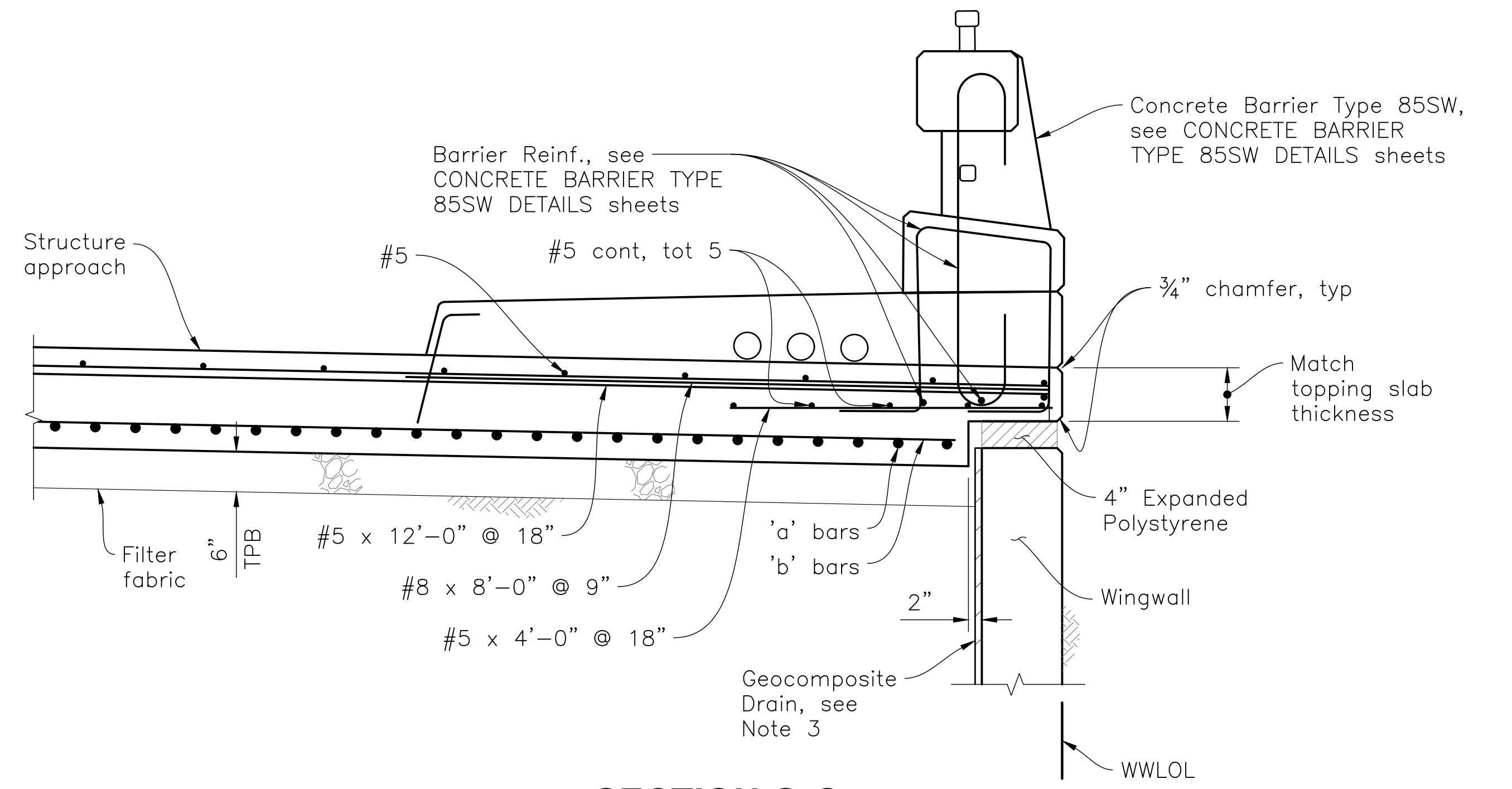
PLAN
1"=10'-0"



BAR CHAIR DETAIL
NO SCALE

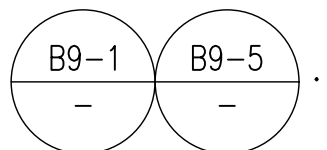


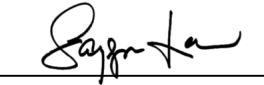
SECTION F-F
3/4"=1'-0"




SECTION G-G
3/4"=1'-0"

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

- NOTES:
- For details not noted or shown see ABUTMENT DETAILS NO. 1 sheet.
 - Adjust bar reinforcement to clear sawcut for sealed joints when required.
 - For drainage details, see STRUCTURE APPROACH DRAINAGE DETAILS sheet.
 - For additional information please refer to .

 DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE SAYGUNN LOW	DESIGN BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 44-0301	FORTAG PEDESTRIAN UNDERCROSSING STRUCTURE APPROACH SLAB DETAILS
	DETAILS BY D. Fagundes	CHECKED T. Eaton		PROJECT ENGINEER NARCISO R. ZERMENO	
	QUANTITIES BY D. Fagundes	CHECKED K. De La Cruz			
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE	TIME PLOTTED => \$TIME	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	1 2 3	PROJECT NUMBER & PHASE: 0520000029
	FILE => \$REQUEST	USERNAME => \$USER			COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570
					DISREGARD PRINTS BEARING EARLIER REVISION DATES
					REVISION DATES: 3/22/23, 4/21/23, 4/27/23
					SHEET 9 OF 18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	133	195



 REGISTERED CIVIL ENGINEER DATE 4/27/2023

 PLANS APPROVAL DATE 4/28/2023

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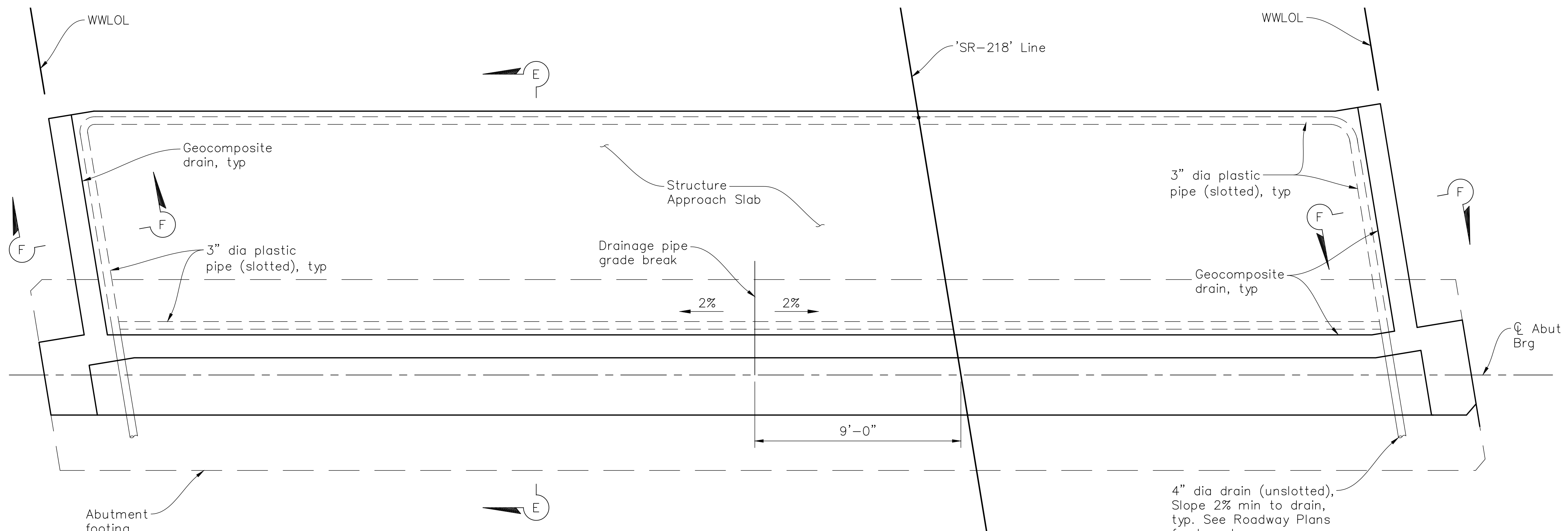
 (831) 775-0903

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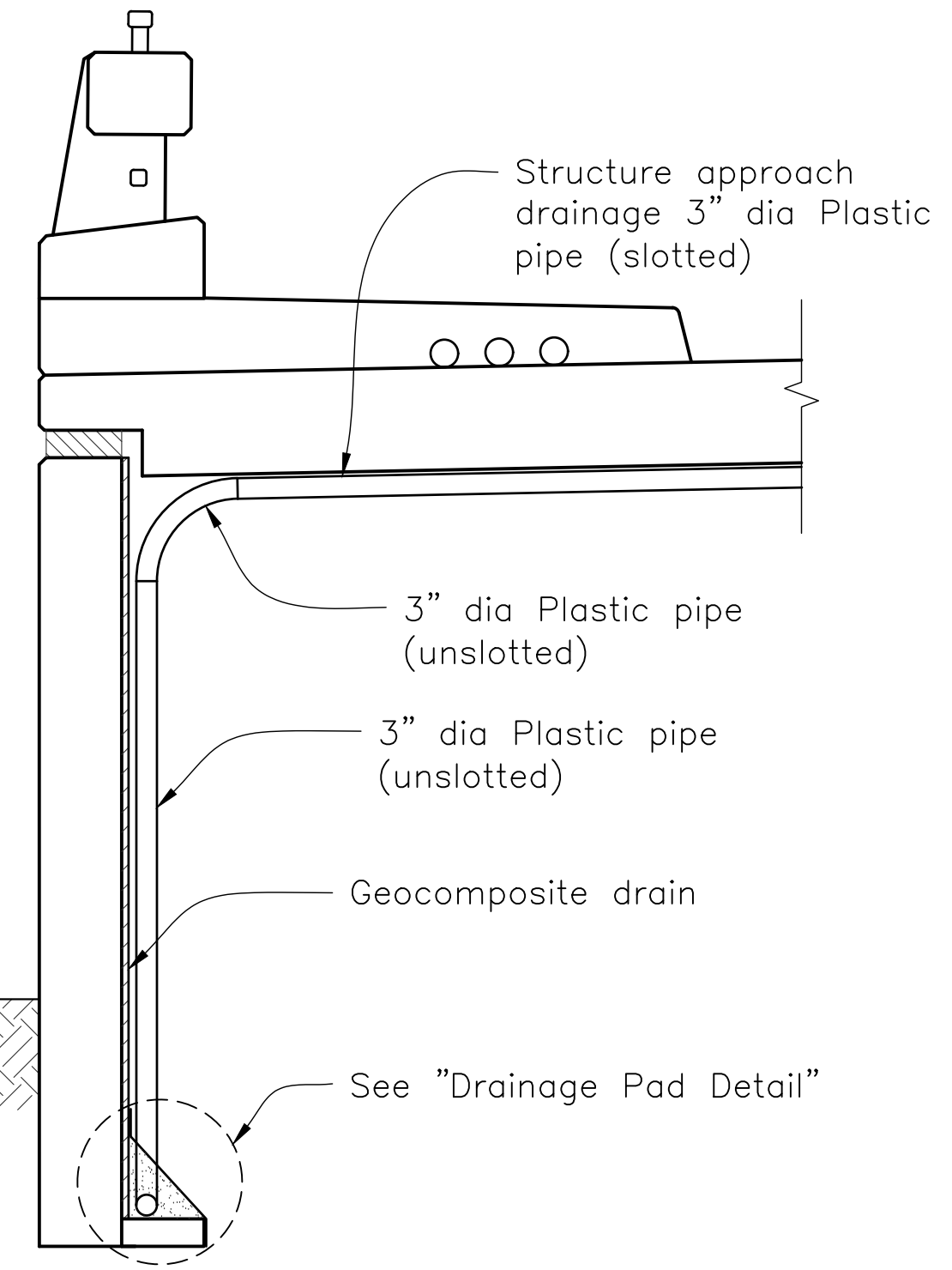
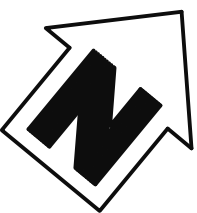
 Fresno, California 93711

 (559)320-3200

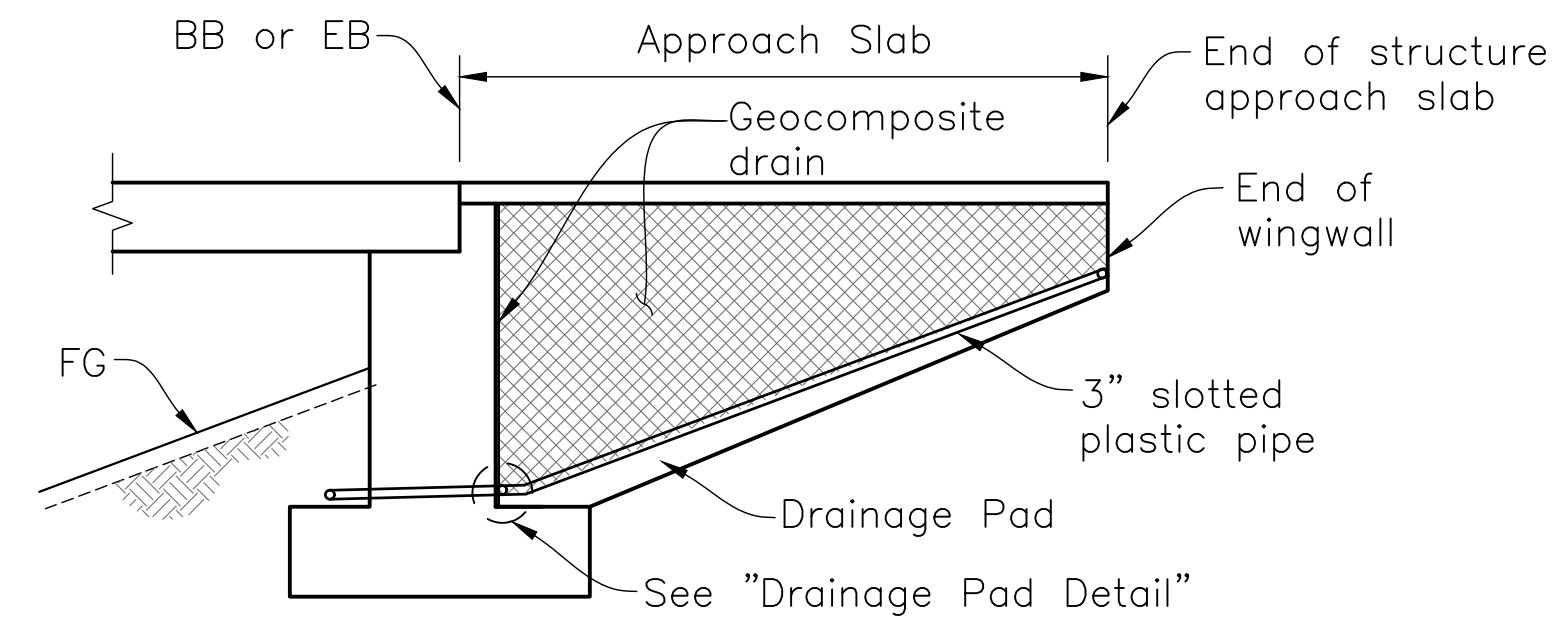


- NOTES:
1. Abut 1 shown, Abut 2 similar.
 2. All bends in plastic pipe must have 3'-0" radius min. Plastic pipe used for bends is not required to be slotted.

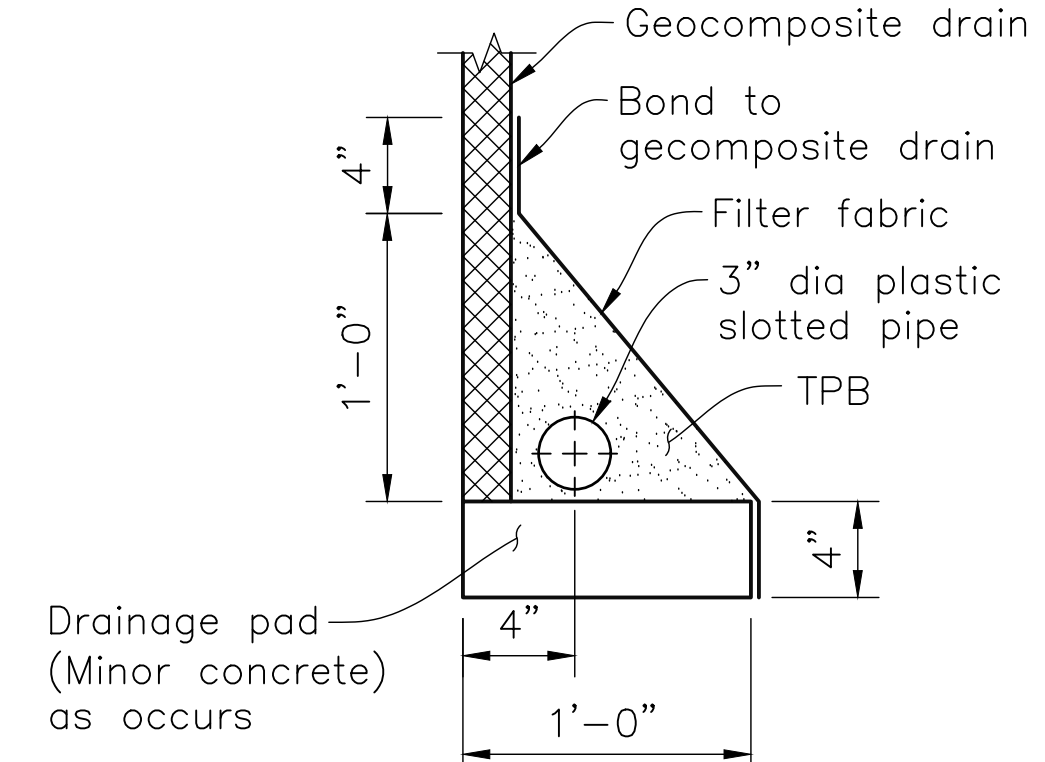
ABUT 1 PLAN
3/8" = 1'-0"



SECTION F-F
1/2" = 1'-0"




SECTION E-E
3/16" = 1'-0"



DRAINAGE PAD DETAIL
1-1/2" = 1'-0"

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.


 DESIGN OVERSIGHT
 4/28/2023
 SIGN OFF DATE
 SAYGUNN LOW


DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 NARCISO R. ZERMENO
 PROJECT ENGINEER

BRIDGE No.	44-0301
POST MILE	0.9

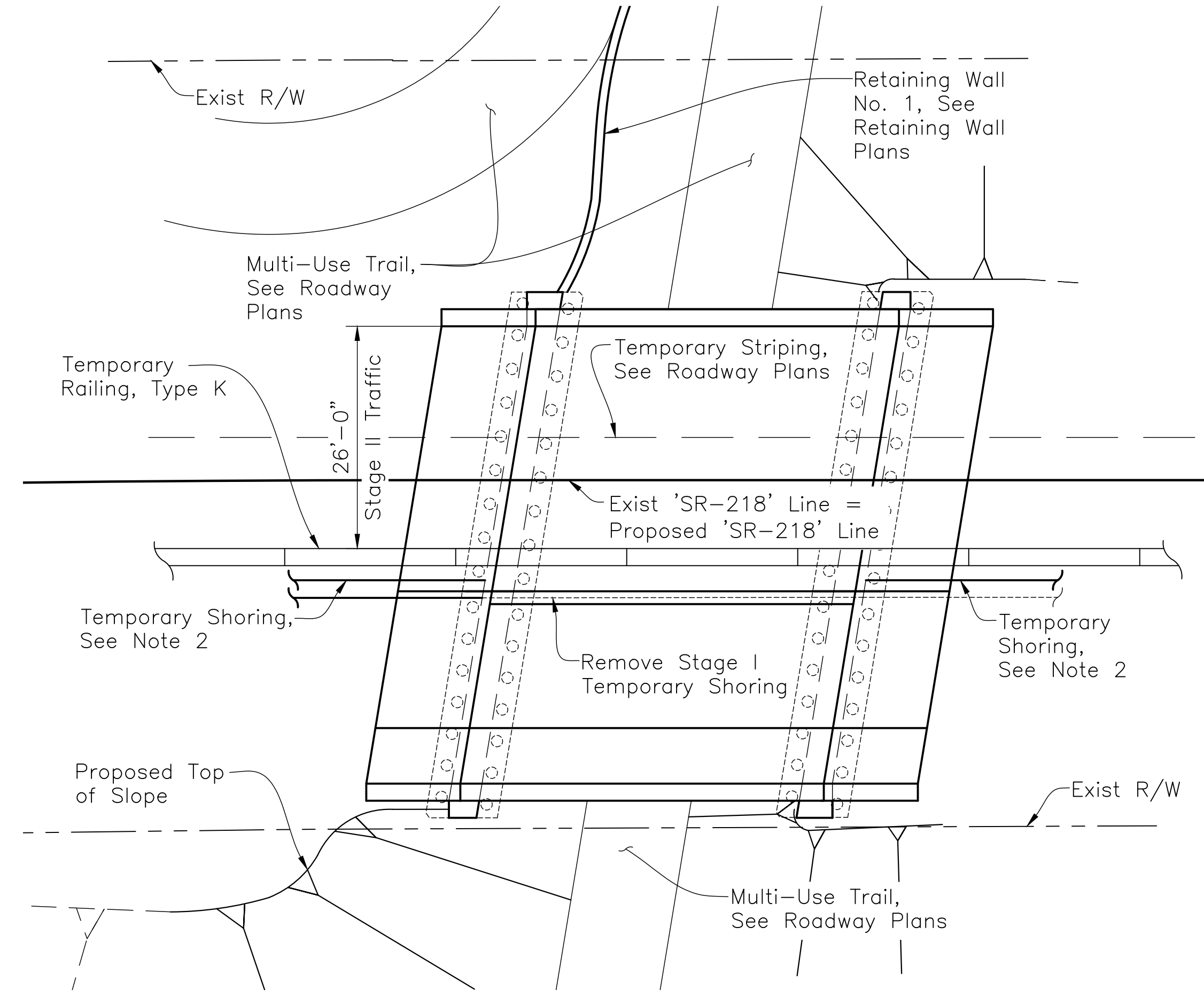
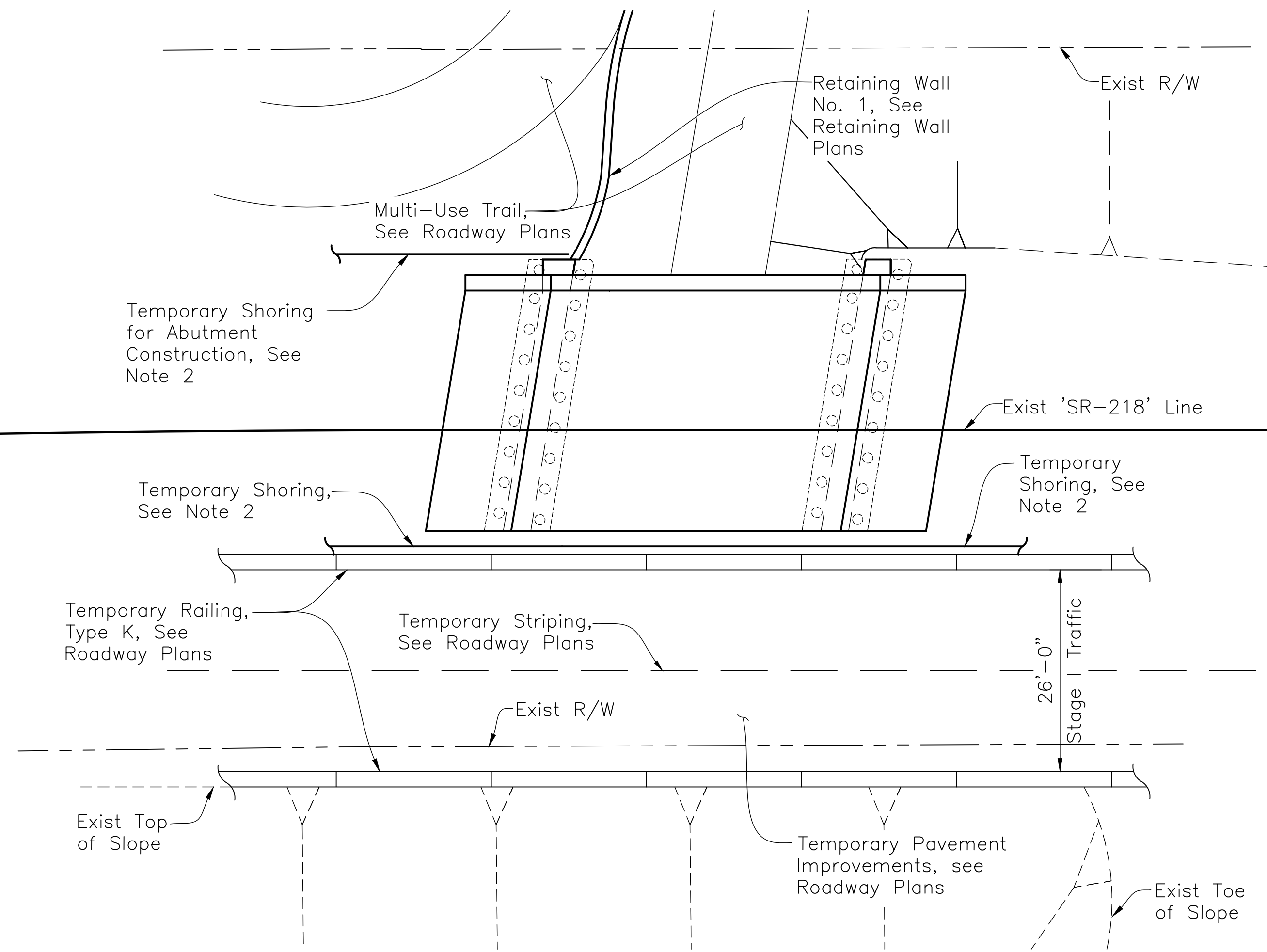
FORTAG PEDESTRIAN UNDERCROSSING
STRUCTURE APPROACH DRAINAGE DETAILS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	134	195

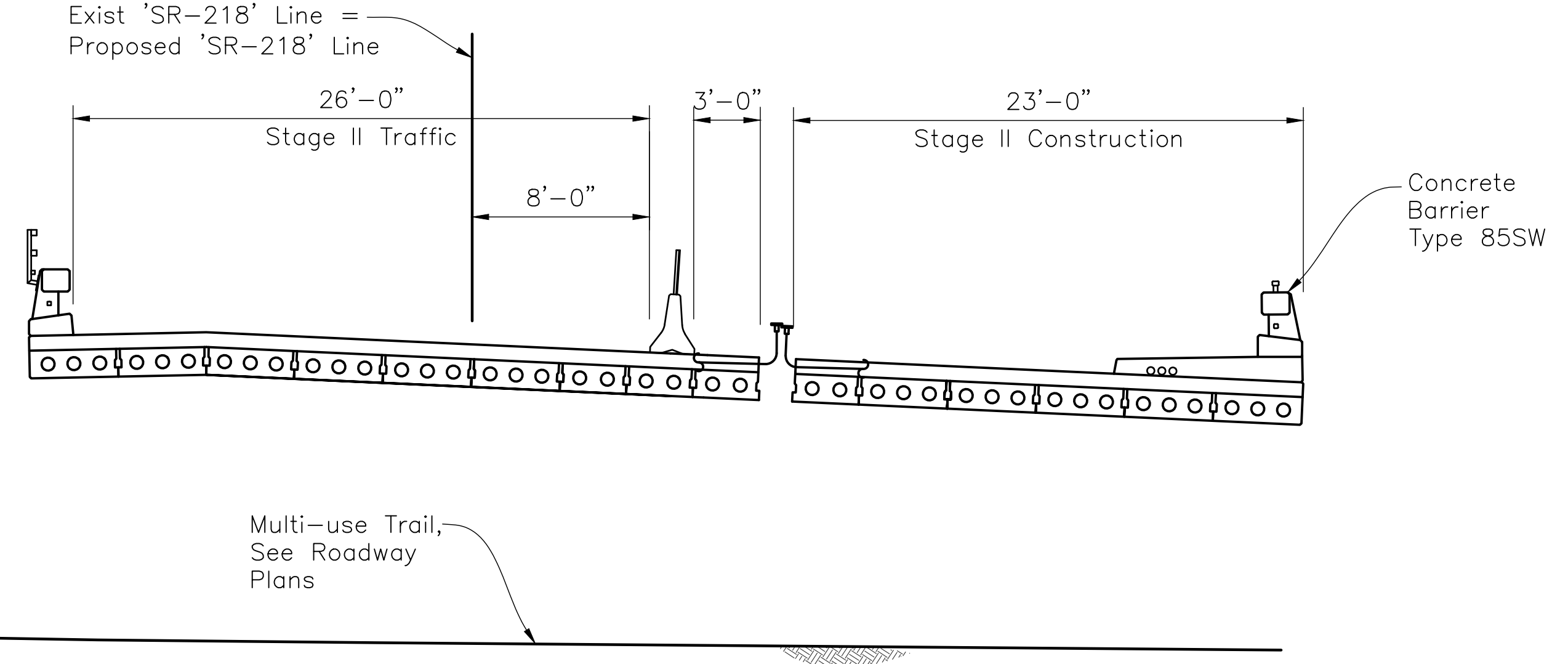
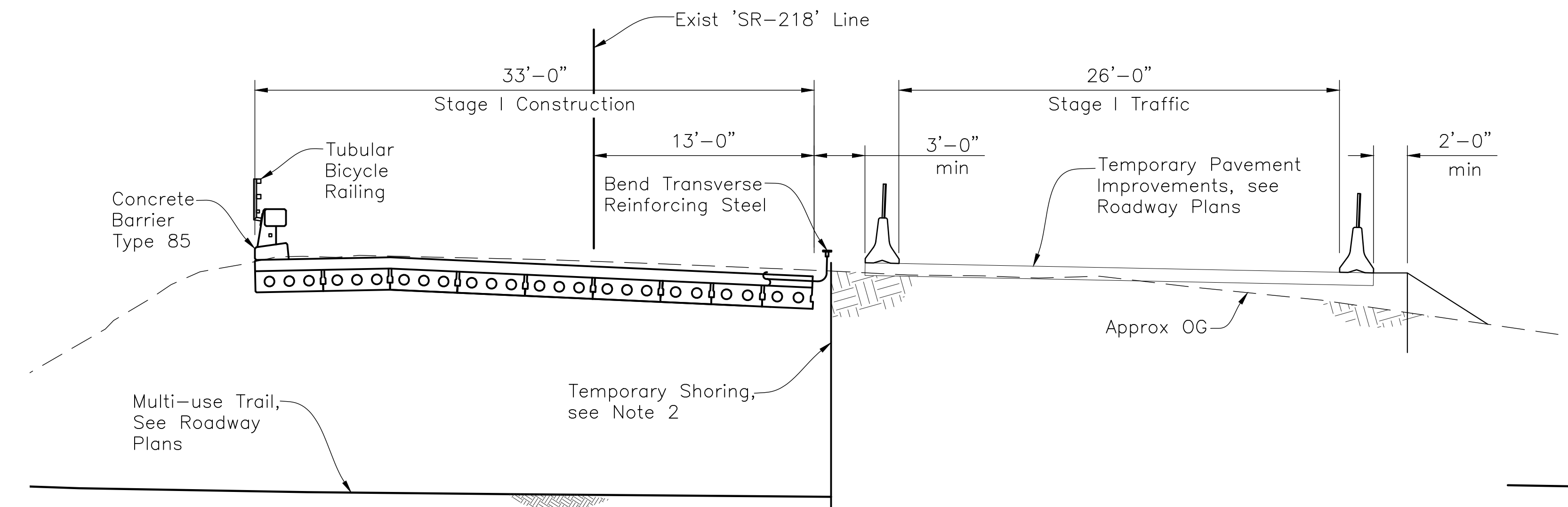

 REGISTERED CIVIL ENGINEER
 DATE 4/27/2023
 PLANS APPROVAL DATE 4/28/2023
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 Fresno, California 93711
 (559)320-3200

- GENERAL NOTES:**
- See CONSTRUCTION STAGING PLAN NO. 2 for "K-Rail Attachment" detail.
 - Temporary shoring may be required to accommodate the staged construction of the bridge structure. The locations of temporary shoring are schematic and the Contractor shall be responsible for the location and design of all temporary shoring. Temporary shoring shall be designed and constructed in accordance with the Caltrans Standard Specifications.



PLAN VIEWS 



STAGE CONSTRUCTION - STAGE I

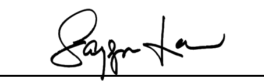
SECTION VIEWS

STAGE CONSTRUCTION - STAGE II

- Step**
1. Implement Stage I traffic handling plan per Roadway Plans.
 2. Remove portion of existing roadway per Roadway Plans.
 3. Install temporary shoring as required.
 4. Construct Retaining Wall No. 1.
 5. Construct Stage I of proposed bridge.

- Step**
1. Implement Stage II traffic handling plan per Roadway Plans.
 2. Install temporary shoring as required.
 3. Remove remaining portion of existing roadway per Roadway Plans.
 4. Remove portion of temporary shoring between abutments.
 5. Construct Stage II of proposed bridge.

NOTE:
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 DESIGN OVERSIGHT
 4/28/2023
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 SAGUNN LOW

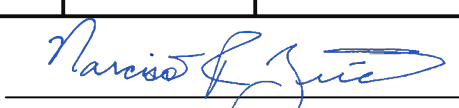
DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

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BRIDGE No.
 44-0301
 POST MILE
 0.9
 PROJECT ENGINEER
 NARCISO R. ZERMENO

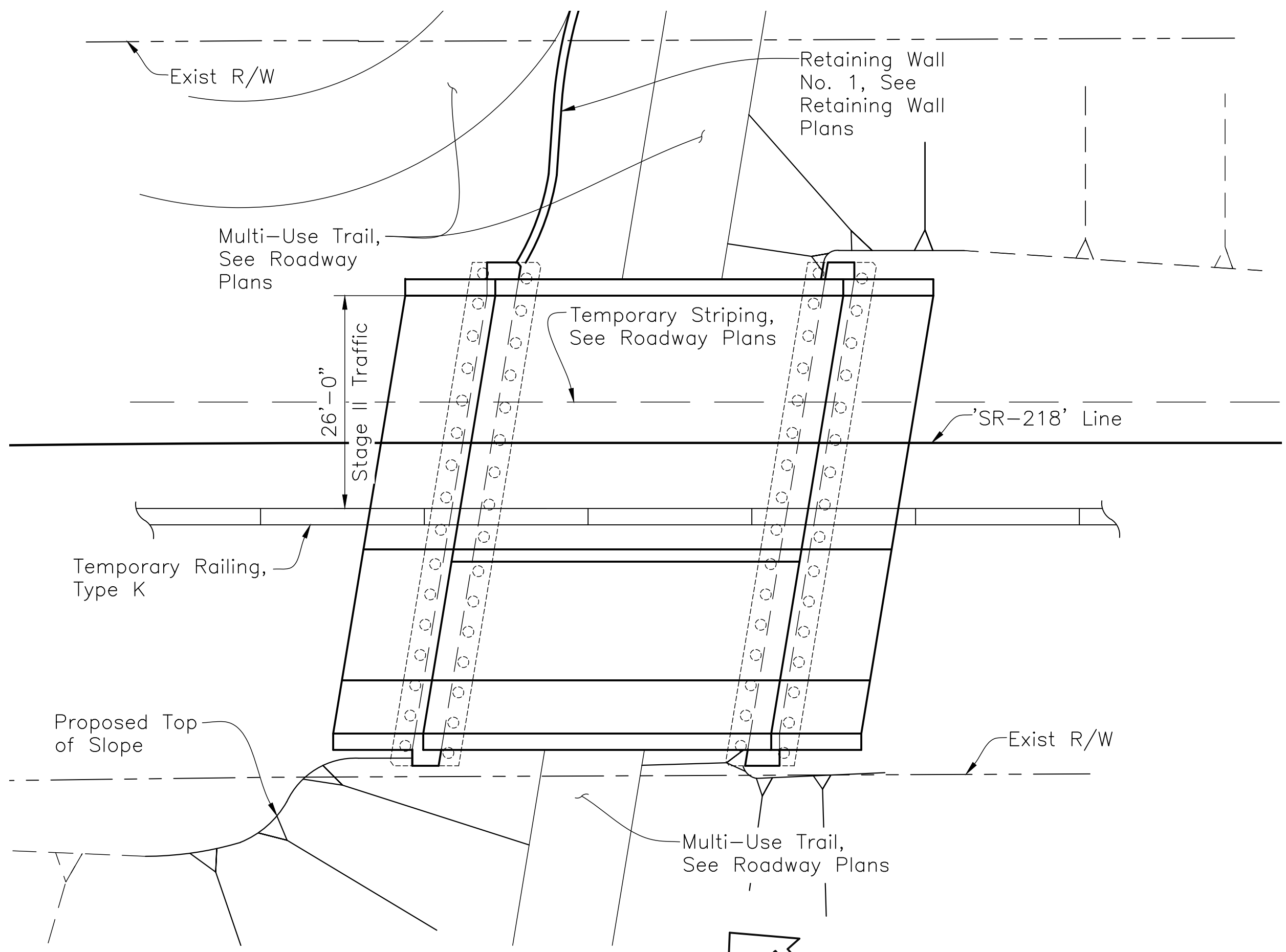
FORTAG PEDESTRIAN UNDERCROSSING
CONSTRUCTION STAGING NO. 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	135	195

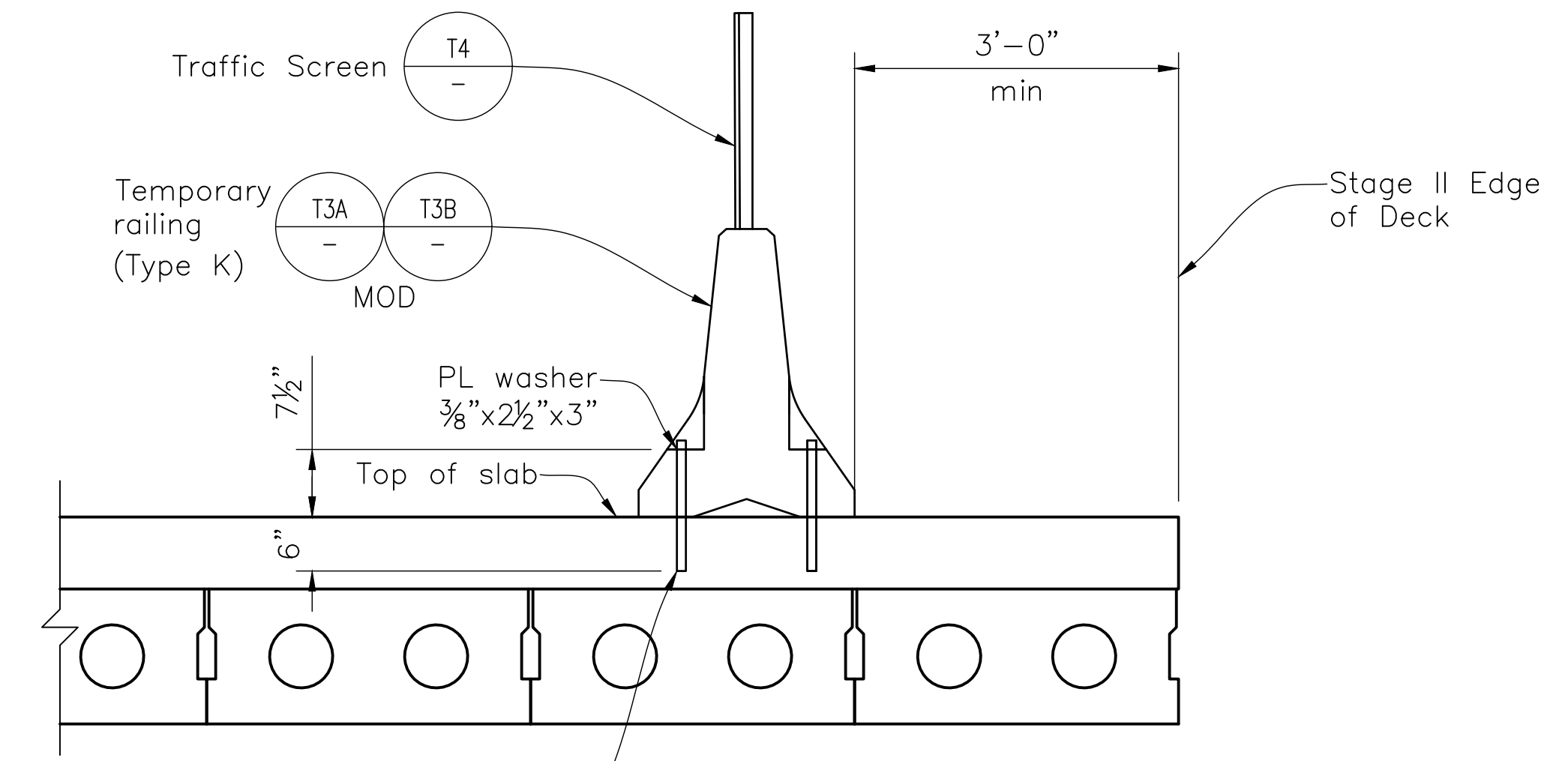

 REGISTERED CIVIL ENGINEER DATE 4/27/2023
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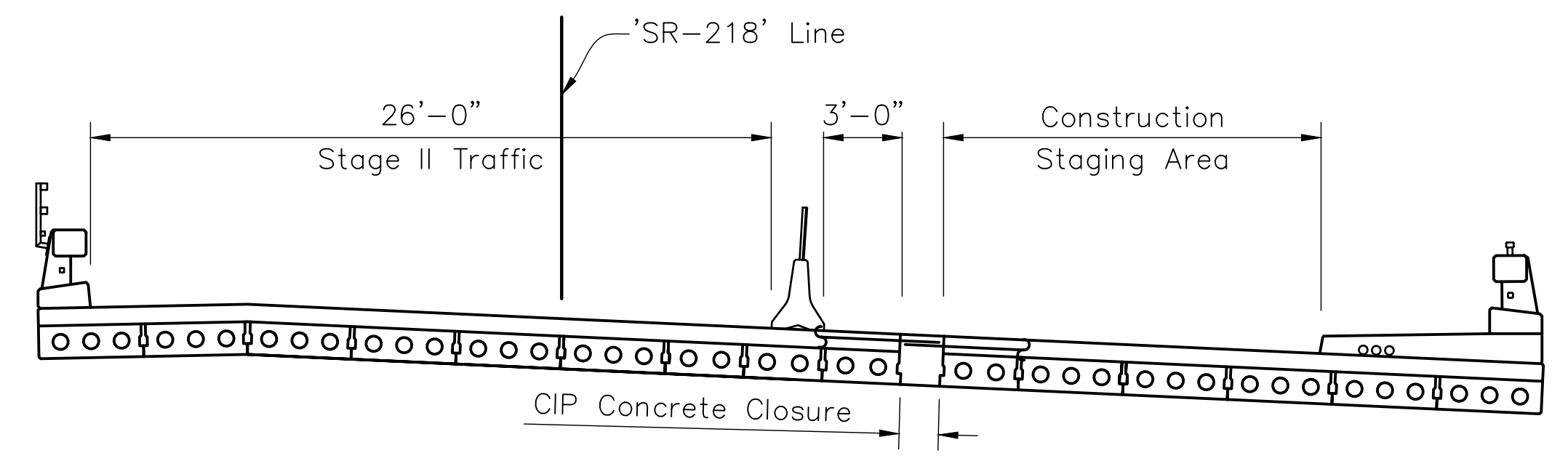
PLAN VIEW



Drill and bond 1" dia rod threaded full length, with nut into hole, total 4 per panel. Drill and bond detail required only on bridge as shown.

NOTE:
 After railing removal, remove threaded rod to a minimum depth of 1" below top of slab and fill hole with rapid setting concrete.

K-RAIL ATTACHMENT DETAIL
NO SCALE



SECTION VIEW

STAGE CONSTRUCTION - STAGE III

NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

- Step
- Maintain Stage II traffic handling plan.
 - Place concrete for CIP concrete closure pour.

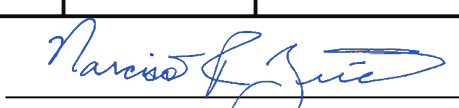

DESIGN OVERSIGHT
 SAYGUNN LOW
 4/28/2023
 SIGN OFF DATE

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

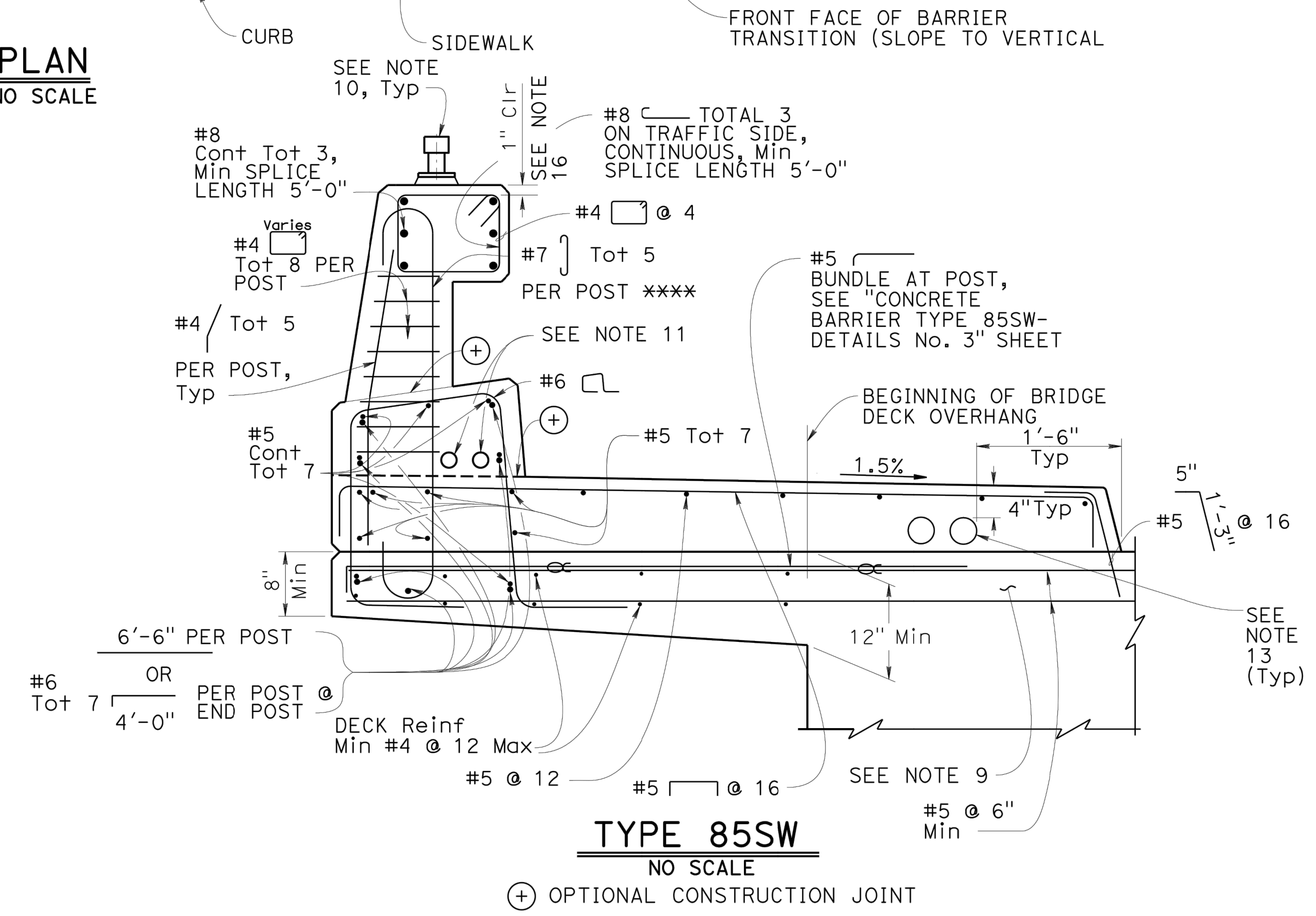
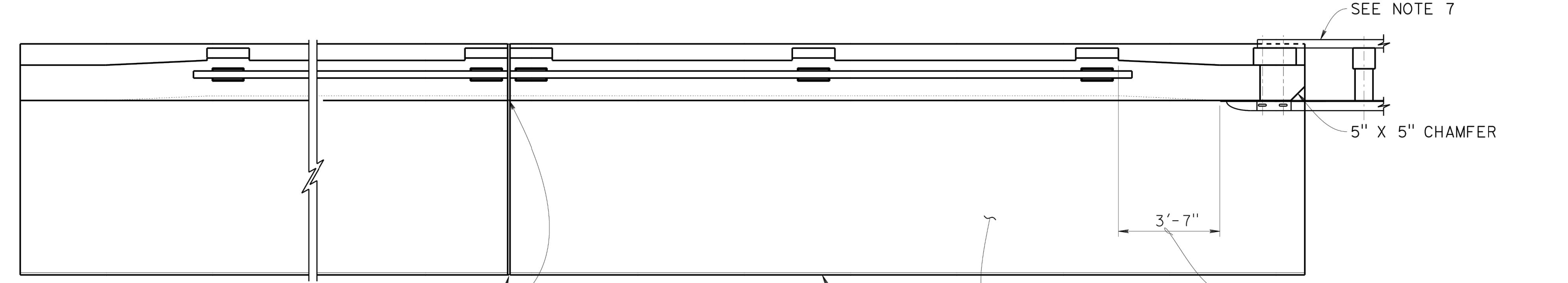
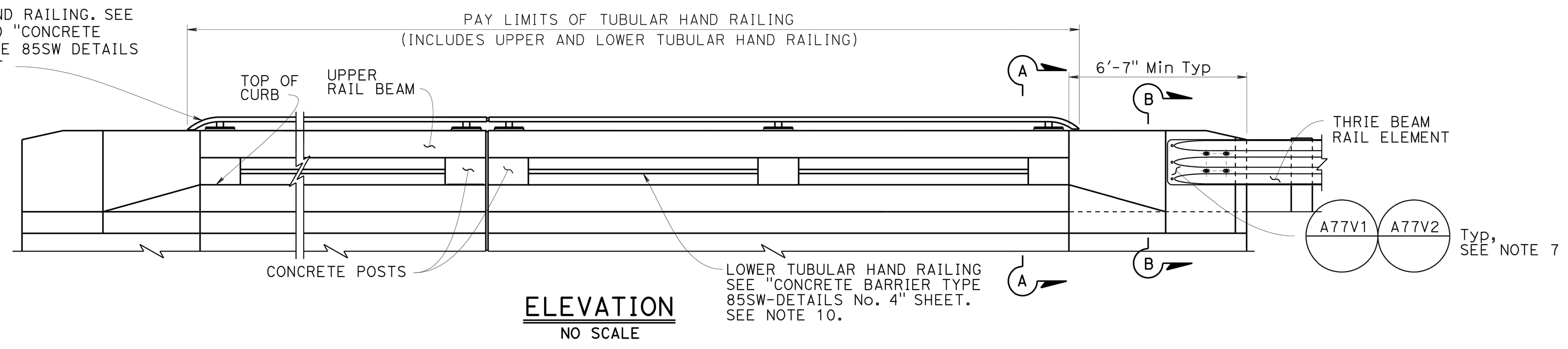
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BRIDGE No. 44-0301
 POST MILE 0.9
 PROJECT ENGINEER NARCISO R. ZERMENO

FORTAG PEDESTRIAN UNDERCROSSING
CONSTRUCTION STAGING NO. 2


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	136	195
 REGISTERED CIVIL ENGINEER			4/27/2023	DATE	
4/28/2023 PLANS APPROVAL DATE					
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TUBULAR HAND RAILING. SEE NOTE 10 AND "CONCRETE BARRIER TYPE 85SW DETAILS No. 4" SHEET




- NOTES:
- This barrier is to be used only for posted speeds of 45 MPH or less.
 - Walls are to be backfilled before the barrier is placed.
 - Longitudinal reinforcing steel to stop at all expansion joints.
 - The front face dimensions are to be constant above the finish roadway profile, but the overall height will vary with certain thicknesses of surfacing and roadway cross slopes.
 - Expansion joint to match deck joint.
 - Splicing in longitudinal rail reinforcing must be staggered.
 - For typical metal railing connection details not shown, see Standard Plans A77V1 and A77V2.
 - Chain link railing is not allowed on Type 85 Barriers.
 - For additional reinforcement details, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2" and "CONCRETE BARRIER TYPE 85SW DETAILS No. 3" sheets.
 - Upper tubular hand railing to extend to where level bench elevation along exterior face of wing wall is within 1'-0" of roadway shoulder FG.
 - The maximum number of conduits is limited to two 1 1/2" Dia and must be placed in front half of the lower beam/curb.
 - For reinforcement not shown, see other details.
 - A minimum of two 4" round openings for future utilities and a maximum of six 4" round openings for a 6'-2" sidewalk. One 4" round opening can be added for each additional 1'-0" of sidewalk width. Utility opening must be a minimum of 6" from face of barrier parapet. Openings are to be sealed at ends and extended 8" minimum past end of sidewalk if not used. Duct forms are to be tied down. For exact number and placement of utility openings see other details. Minimum 2" clear between conduits.
 - For dimensions not shown, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2 and "CONCRETE BARRIER TYPE 85SW DETAILS No. 3 sheets.
 - For sections A-A and B-B, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2" sheet.
 - 1" clearance, typical for bridge rail except for 2" clearance at traffic face and back side of lower beam (curb).

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE 	DESIGN	BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	FORTAG PEDESTRIAN UNDERCROSSING CONCRETE BARRIER TYPE 85SW DETAILS NO. 1	
	DETAILS	BY D. Fagundes	CHECKED T. Eaton		44-0301		
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz		0.9		
DATE PLOTTED => \$DATE FILE => \$REQUEST	TIME PLOTTED => \$TIME USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	1 2 3	PROJECT NUMBER & PHASE: 0520000029	COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570	DISREGARD PRINTS BEARING EARLIER REVISION DATES	
					REVISION DATES 3/9/21 4/21/23 4/27/23	SHEET 13	OF 18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	137	195



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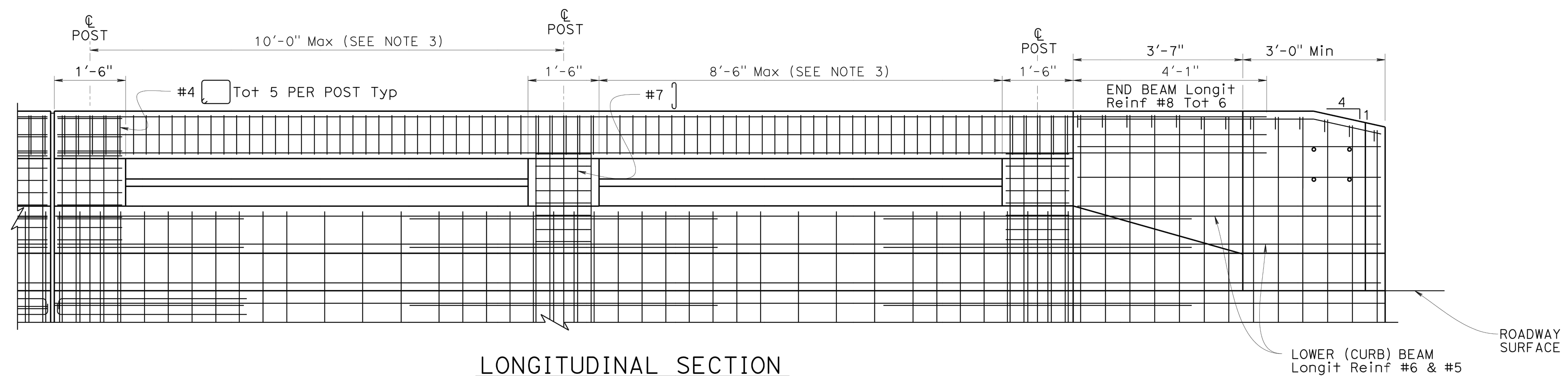
 (831) 775-0903

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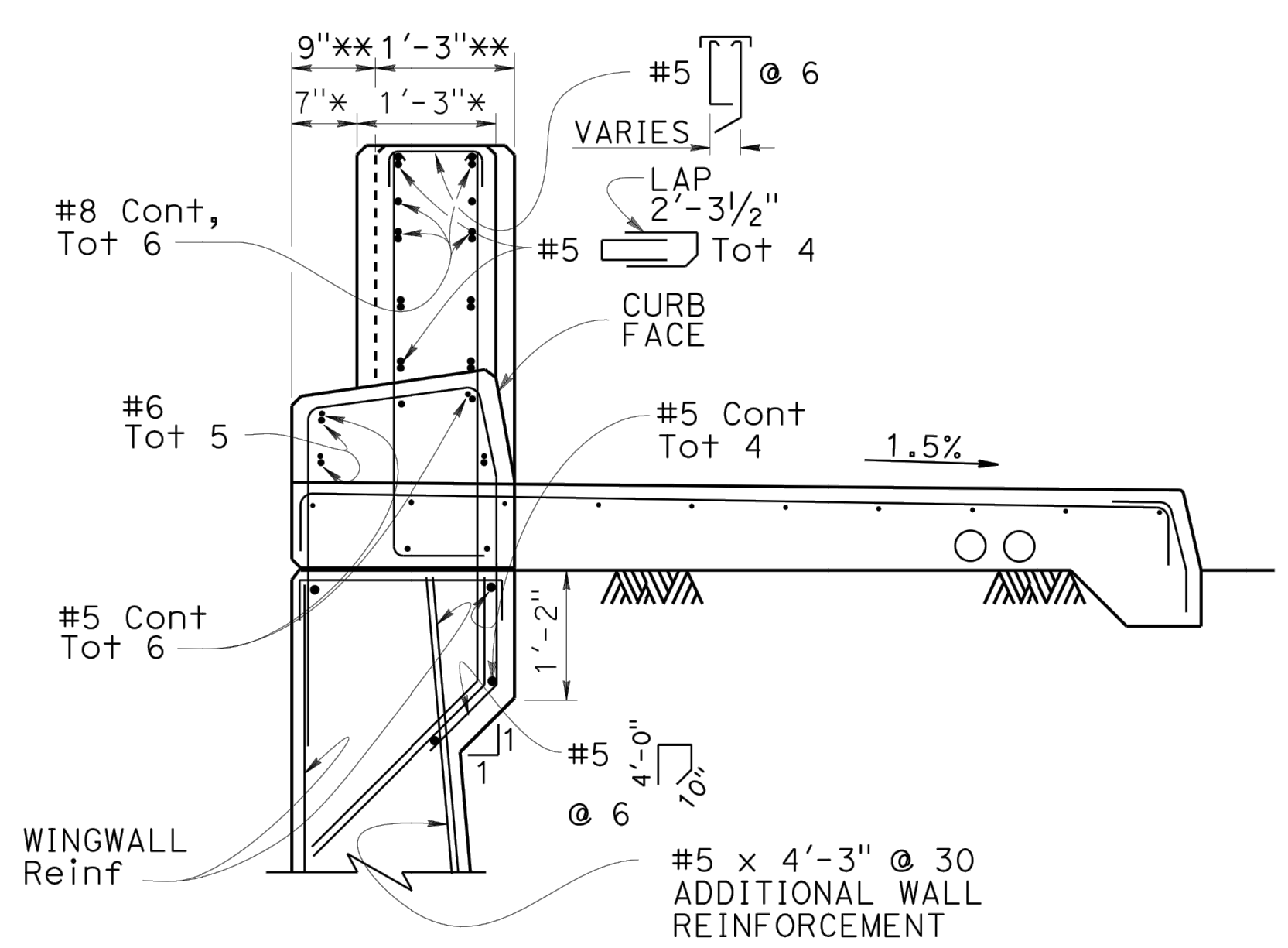
 (559)320-3200



LONGITUDINAL SECTION
NO SCALE

- Notes:
- Deck or wingwall reinforcing not shown.
 - Upper Tubular Hand Railing not shown for clarity.

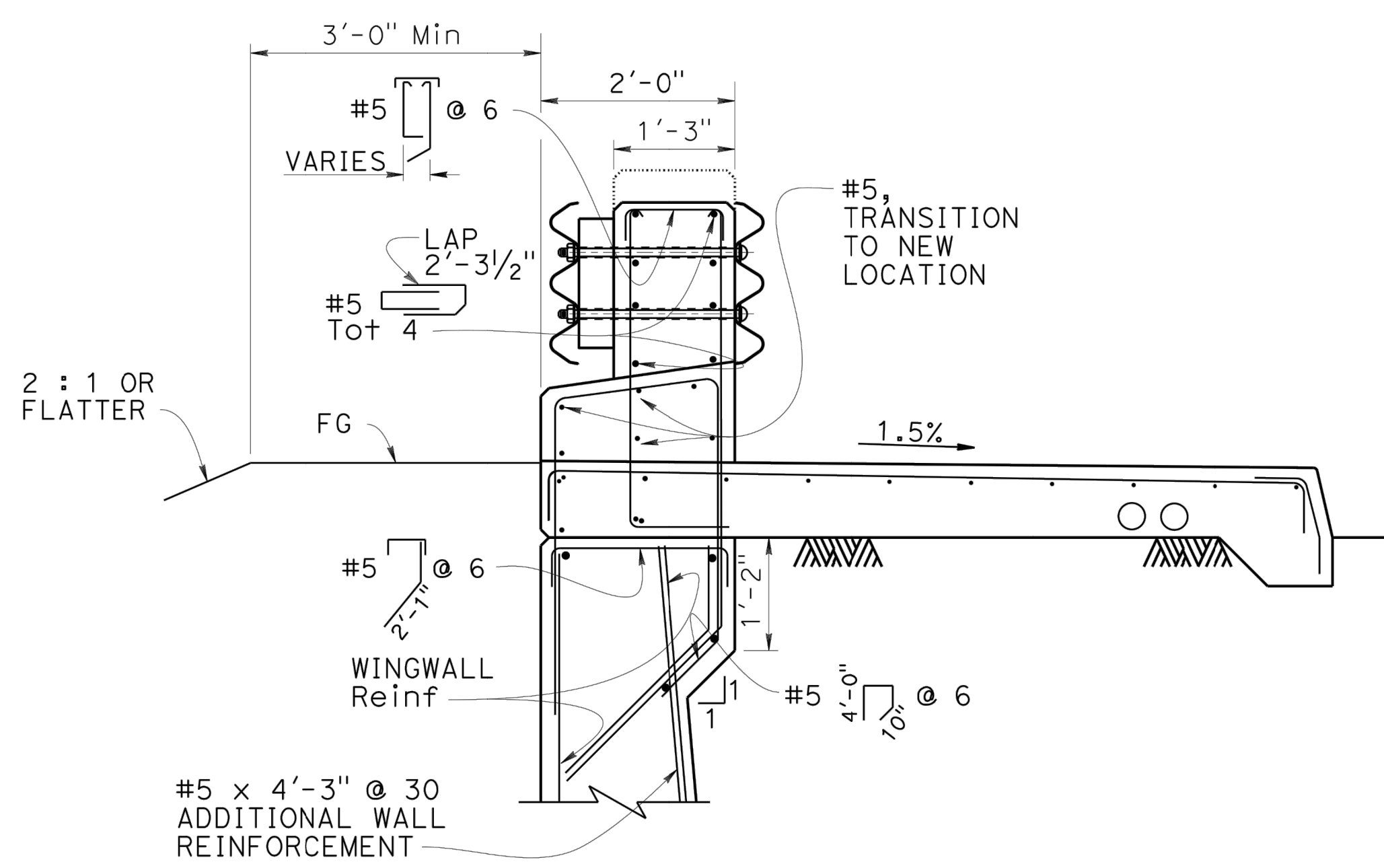
- NOTES:
- For Sections A-A and B-B, see "CONCRETE TYPE 85SW DETAILS No. 1" sheet.
 - Expansion joint to match deck joint.
 - Posts to be spaced equally, typically 10'-0" spacing. Post spacing may be reduced where location of expansion joints or the length of wingwalls will not accommodate the 10'-0" spacing. Maximum see-through availability is to be strived for, where 10'-0" post spacing cannot be achieved.
 - For reinforcement not shown, see other details.
 - For locations of Section A-A and B-B, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 1" sheet.



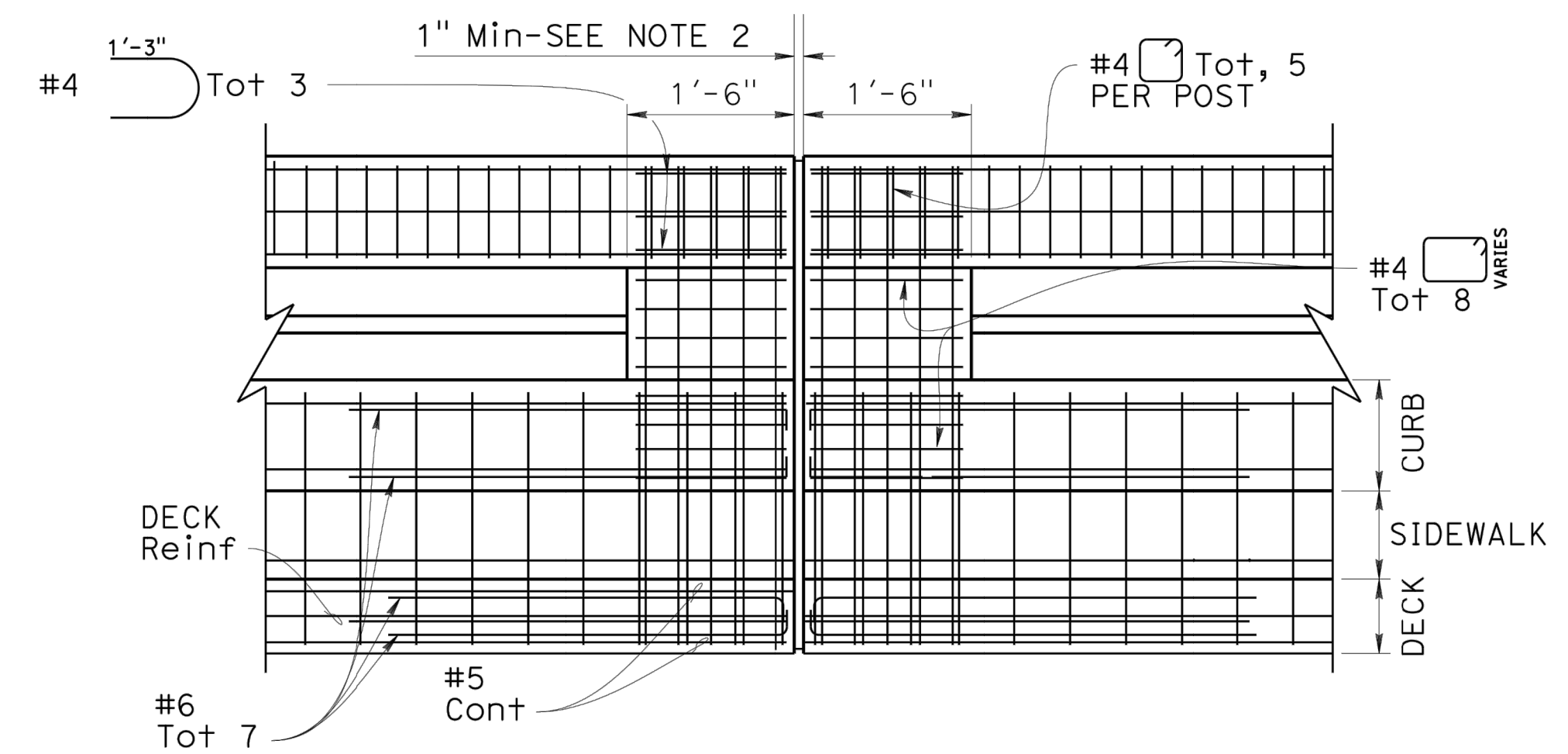
SECTION A-A
1" = 1'-0"

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

* BEGIN BARRIER TRANSITION
** END BARRIER TRANSITION

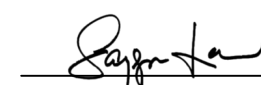


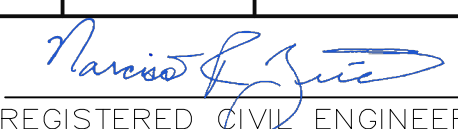

SECTION B-B
1" = 1'-0"

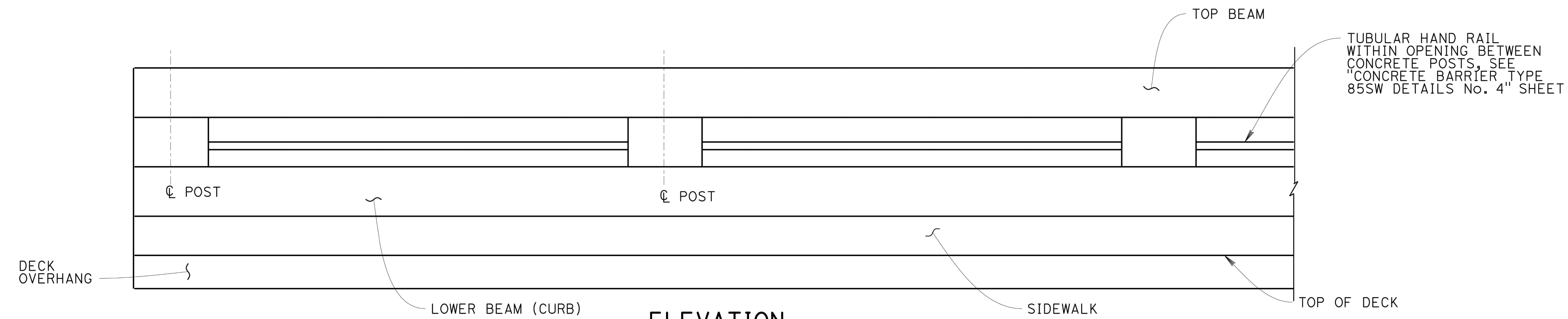


EXPANSION JOINT DETAIL
NO SCALE
SEE NOTE 4

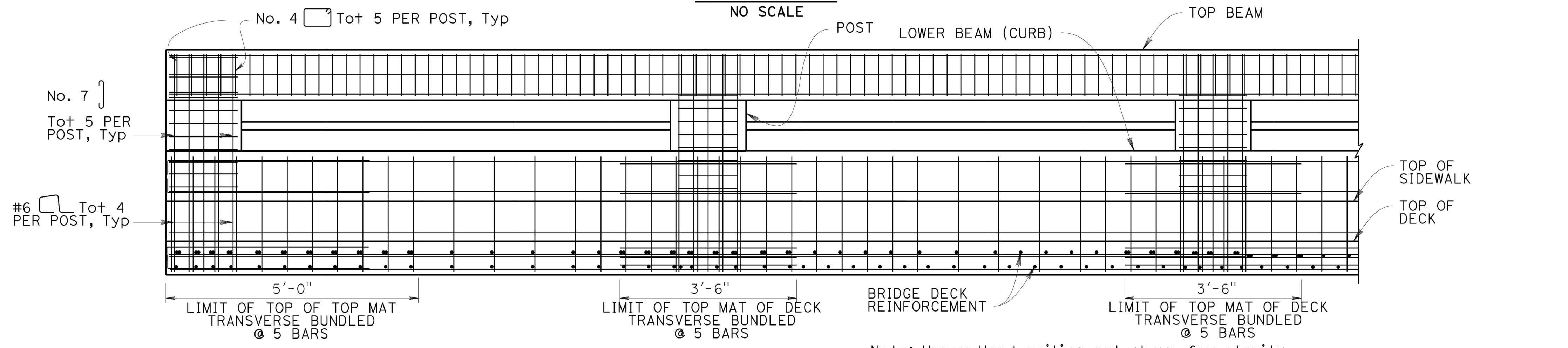
Note: Upper Hand railing not shown for clarity.

 DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE SAGUNN LOW	DESIGN	BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	44-0301	FORTAG PEDESTRIAN UNDERCROSSING CONCRETE BARRIER TYPE 85SW DETAILS NO. 2											
	DETAILS	BY D. Fagundes	CHECKED T. Eaton		PROJECT ENGINEER	POST MILE		0.9										
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz			COUNTY/ROUTE: MON/218		CONTRACT No.: 05-1M570										
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE	FILE => \$REQUEST	TIME PLOTTED => \$TIME USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	PROJECT NUMBER & PHASE: 0520000029	COUNTY/ROUTE: MON/218	CONTRACT No.: 05-1M570	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	3/9/21	4/21/23	4/23/23	SHEET 14	OF 18

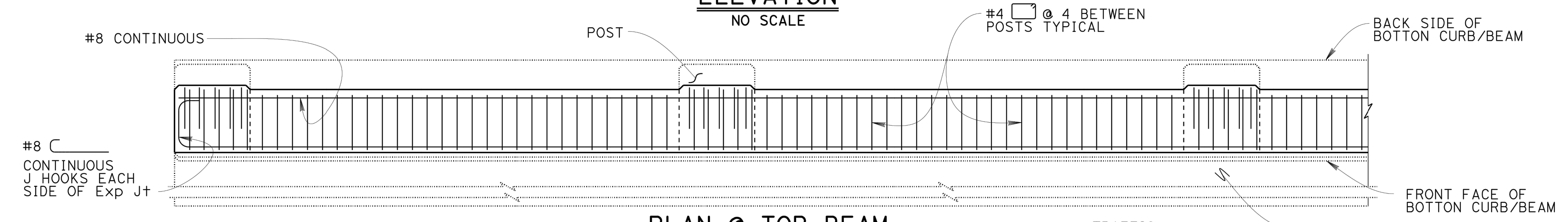
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	138	195
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4/28/2023 PLANS APPROVAL DATE					
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CORNERSTONE STRUCTURAL ENGINEERING GROUP 986 W. Alluvial Ave, Suite 201 Fresno, California 93711 (559)320-3200					



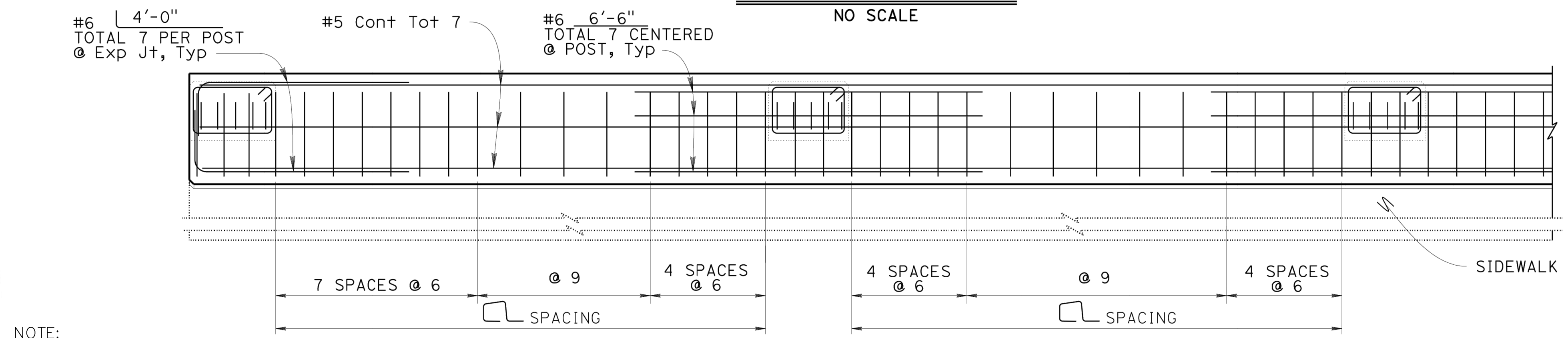
ELEVATION
NO SCALE



ELEVATION
NO SCALE

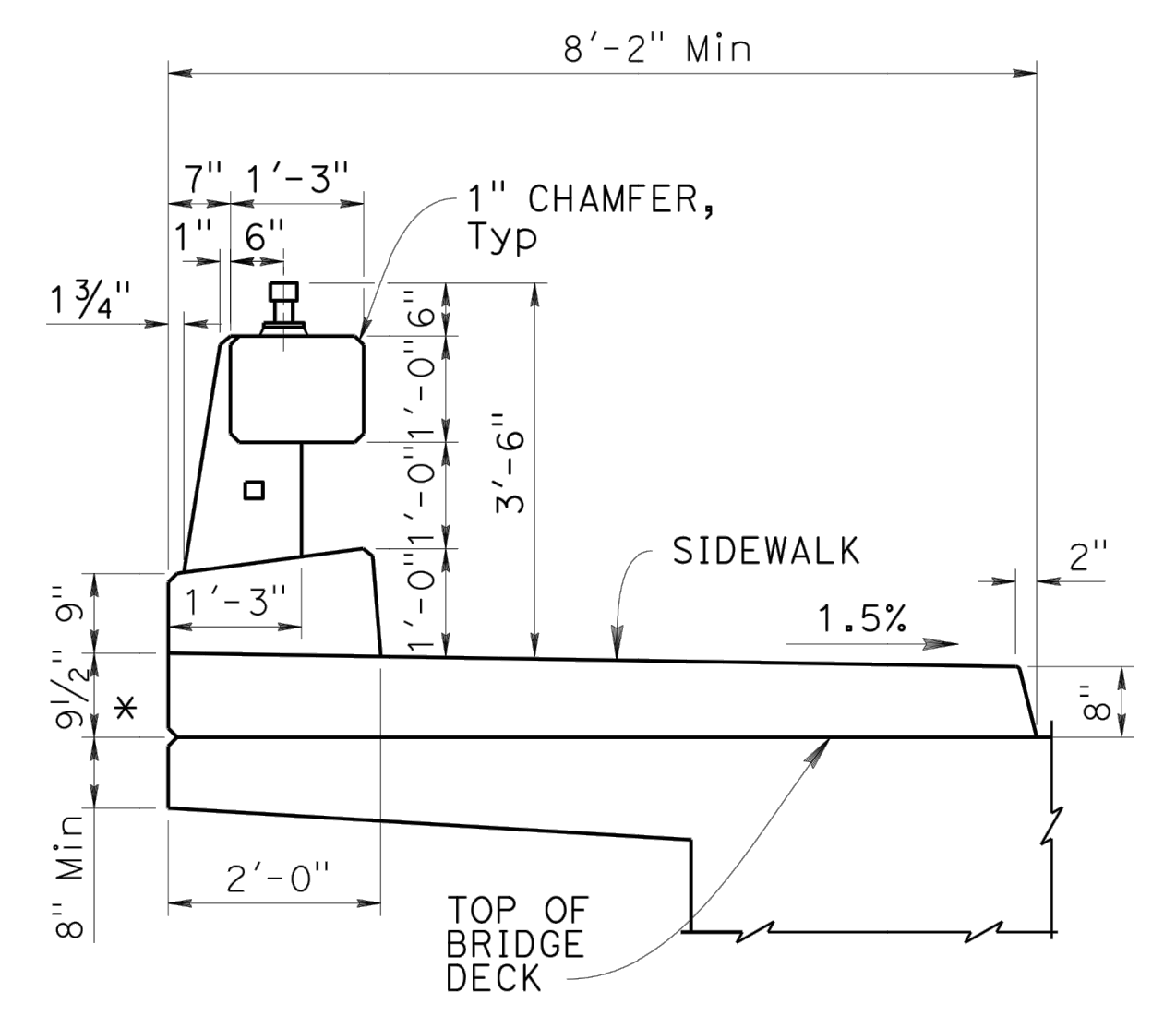


PLAN @ TOP BEAM
NO SCALE



PLAN @ LOWER BEAM (CURB)
NO SCALE


NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.



TYPICAL SECTION

*Dimension may vary with bridge cross-slope and with certain thickness of surfacing. See Structural Plans.

DESIGN OVERSIGHT
4/28/2023
SIGN OFF DATE


SAYGUNN LOW

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NARCISO R. ZERMENO
PROJECT ENGINEER

BRIDGE No.	44-0301
POST MILE	0.9

FORTAG PEDESTRIAN UNDERCROSSING
CONCRETE BARRIER TYPE 85SW DETAILS NO. 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	139	195

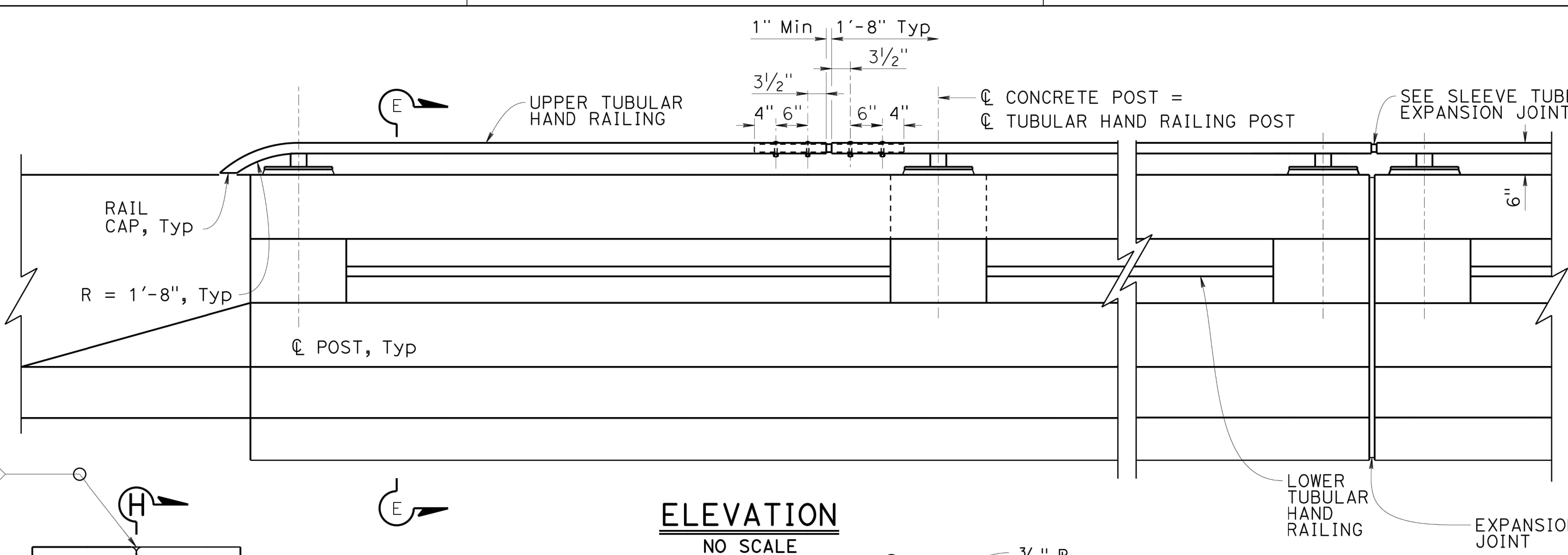
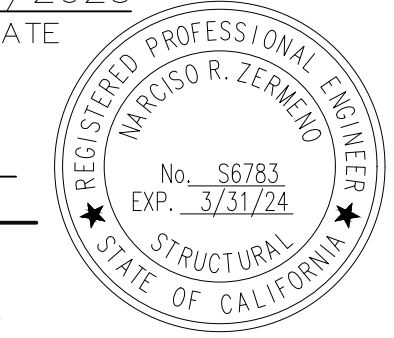
4/27/2023
 REGISTERED CIVIL ENGINEER DATE

4/28/2023
 PLANS APPROVAL DATE

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

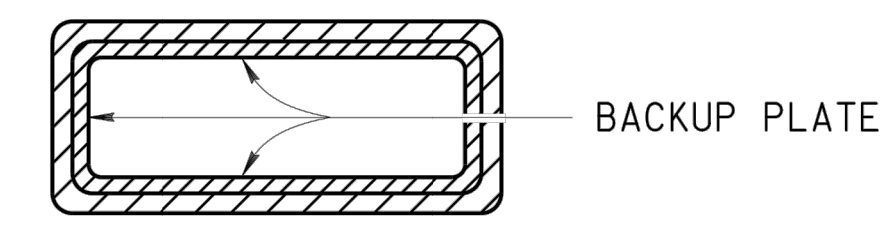
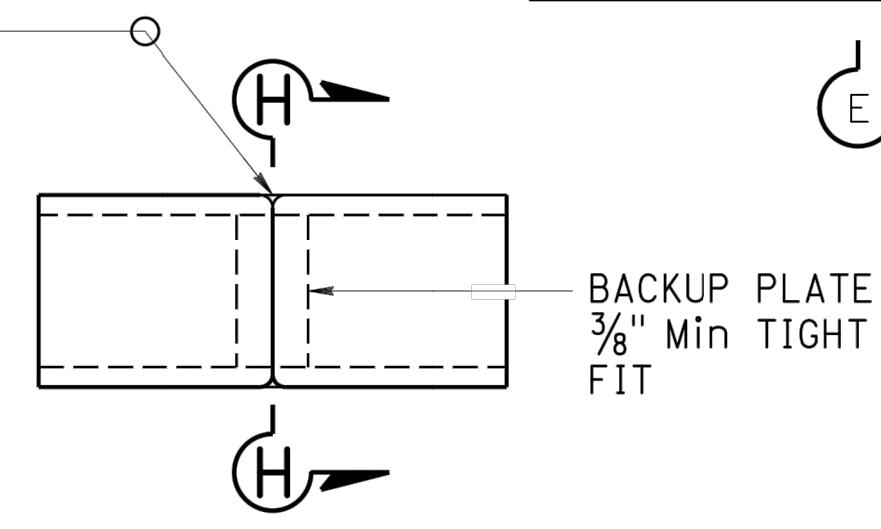
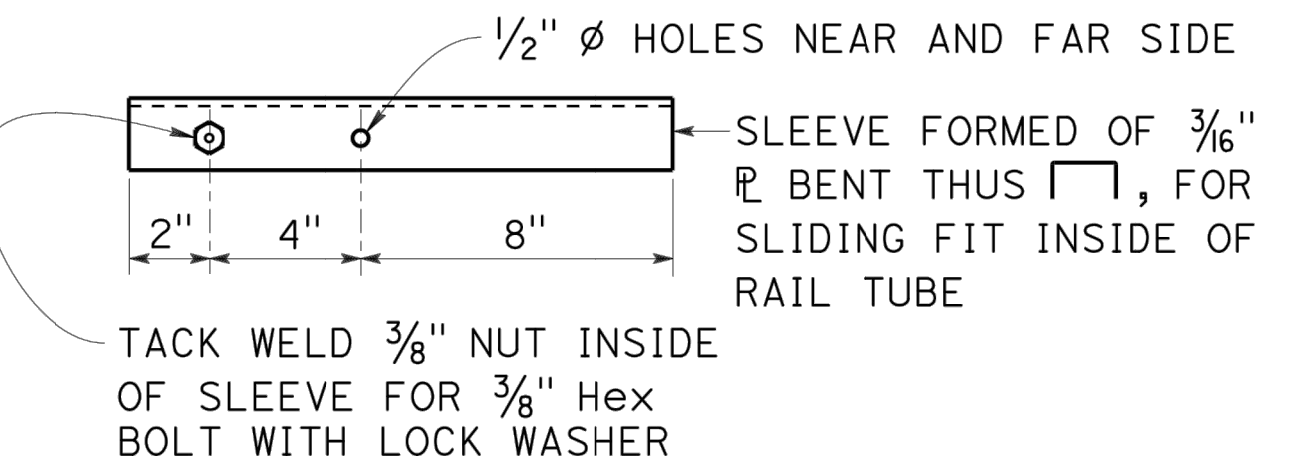
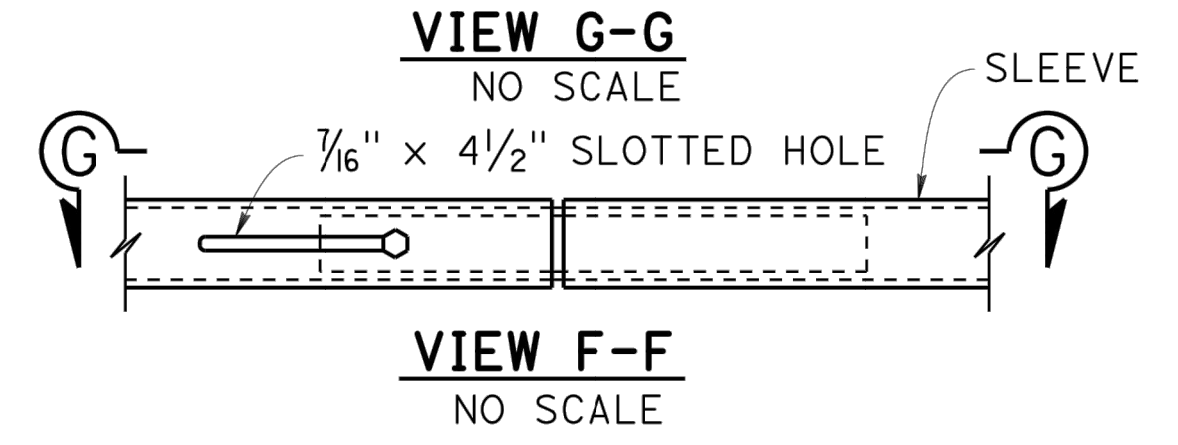
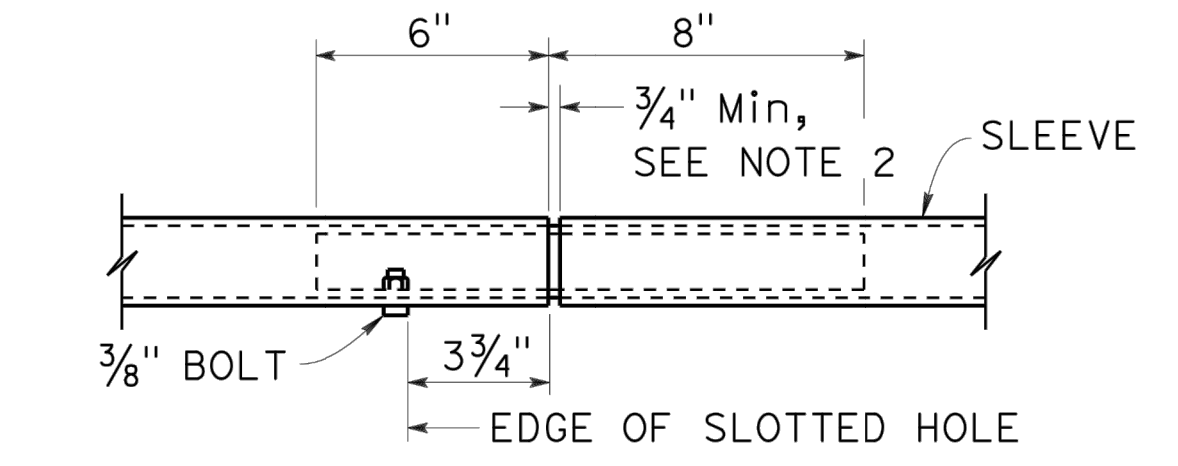
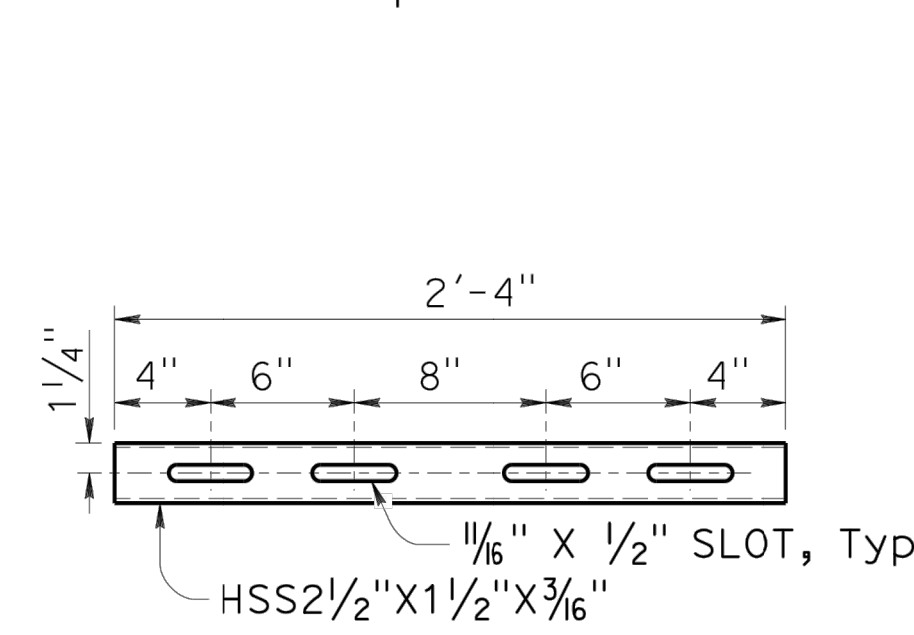
TRANSPORTATION AGENCY FOR MONTEREY COUNTY
 55-B Plaza Circle,
 Salinas, California 93901
 (831) 775-0903

CORNERSTONE STRUCTURAL ENGINEERING GROUP
 986 W. Alluvial Ave, Suite 201
 Fresno, California 93711
 (559)320-3200

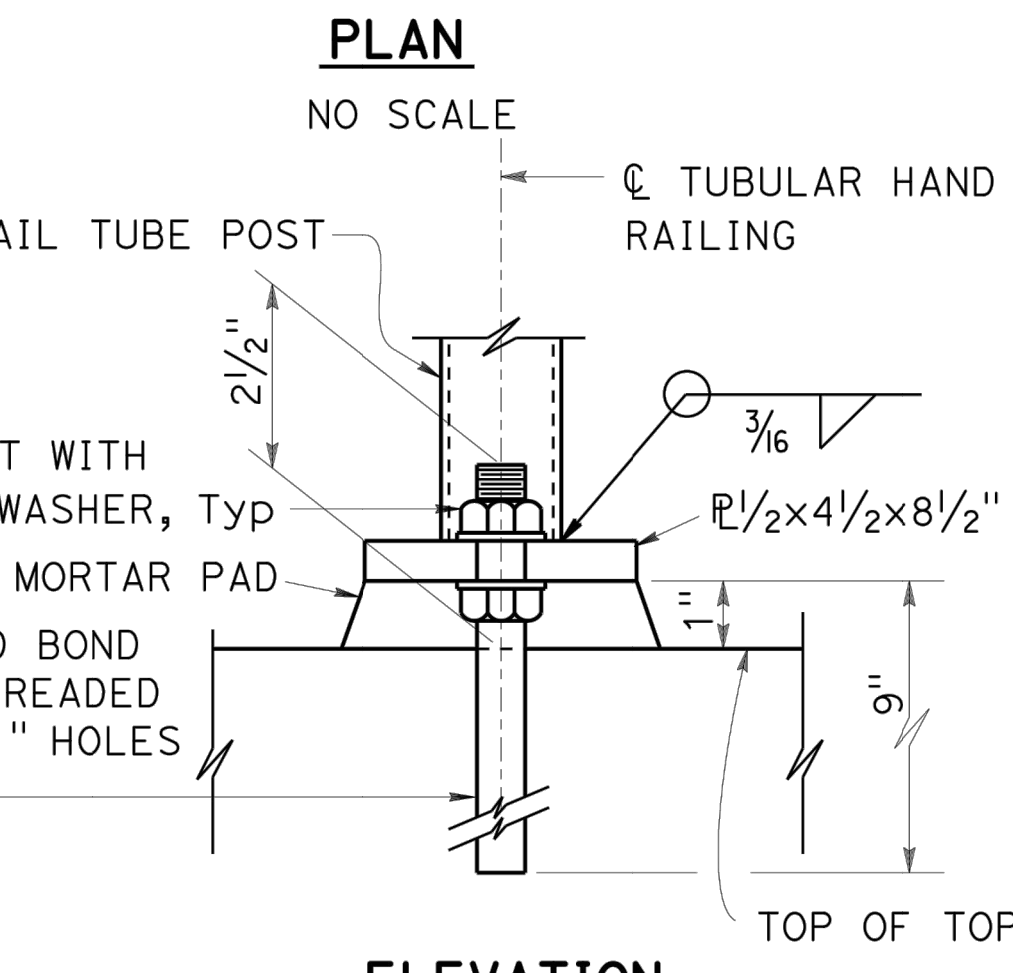
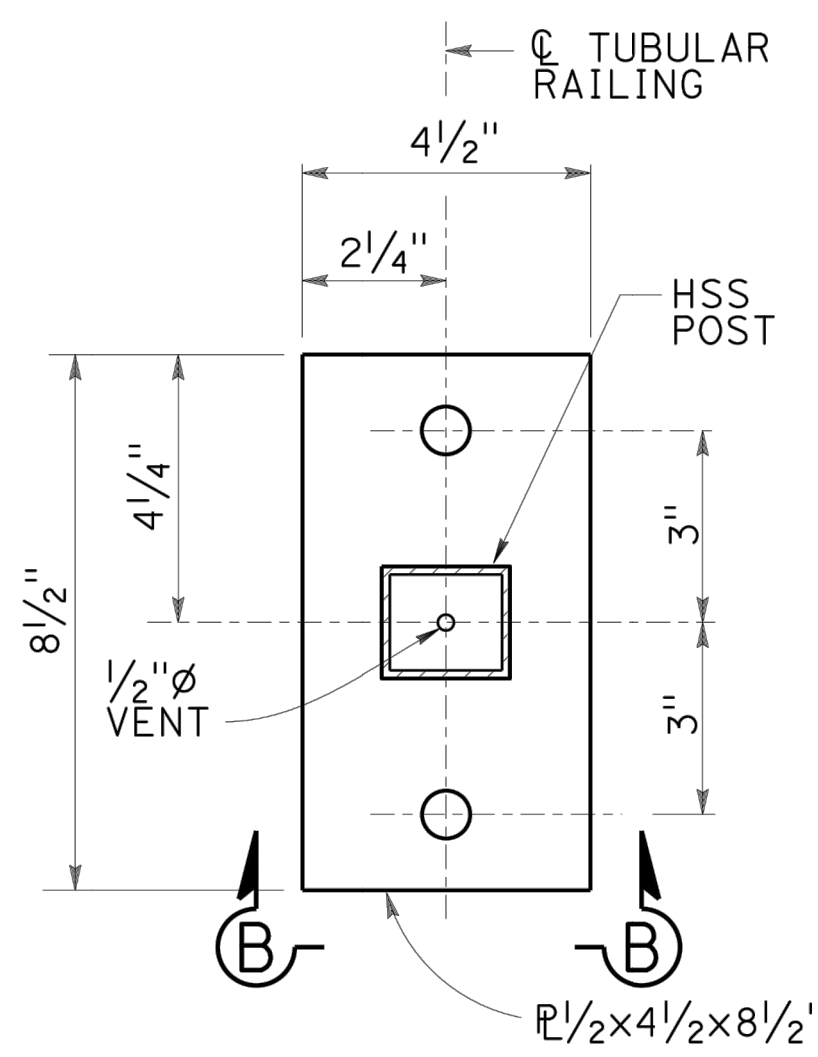
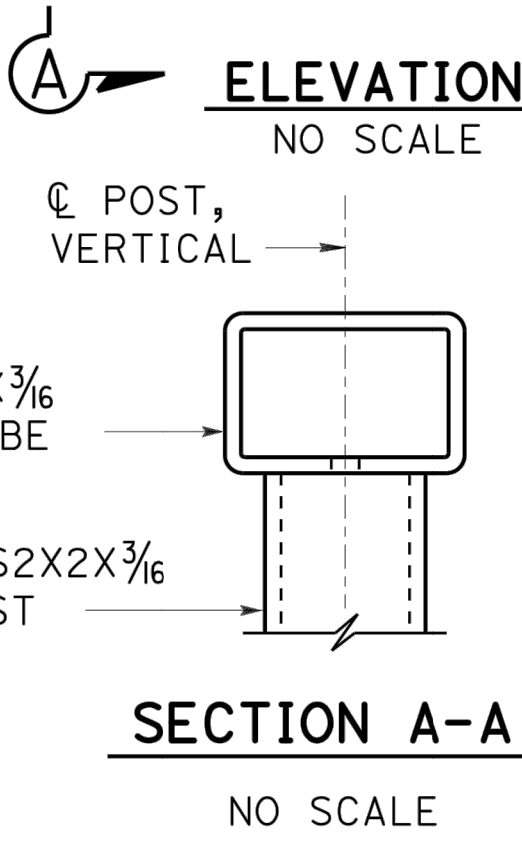
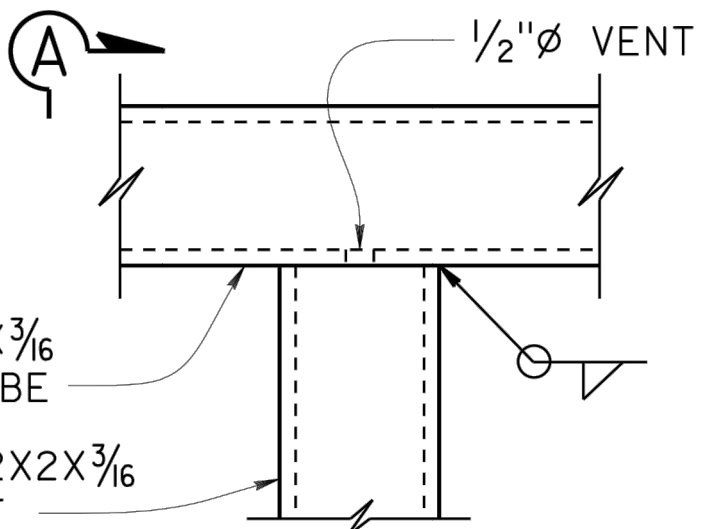


NOTES:

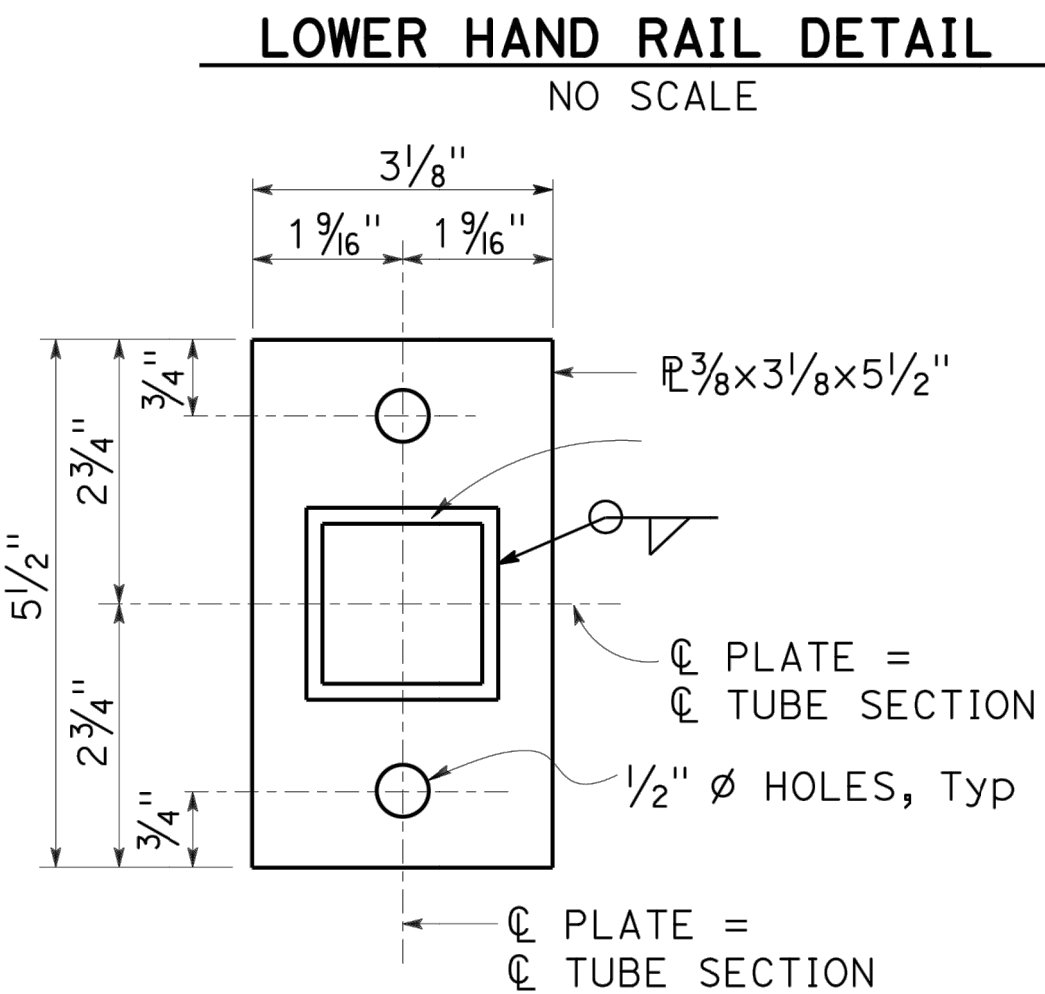
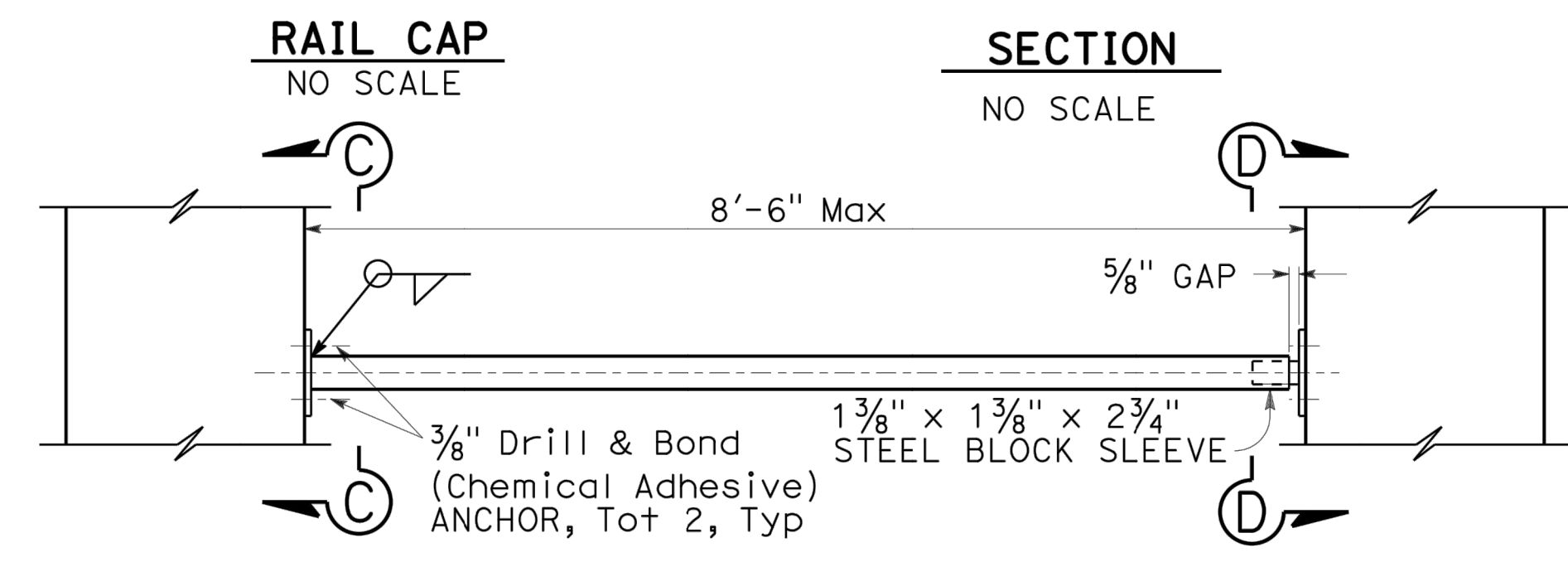
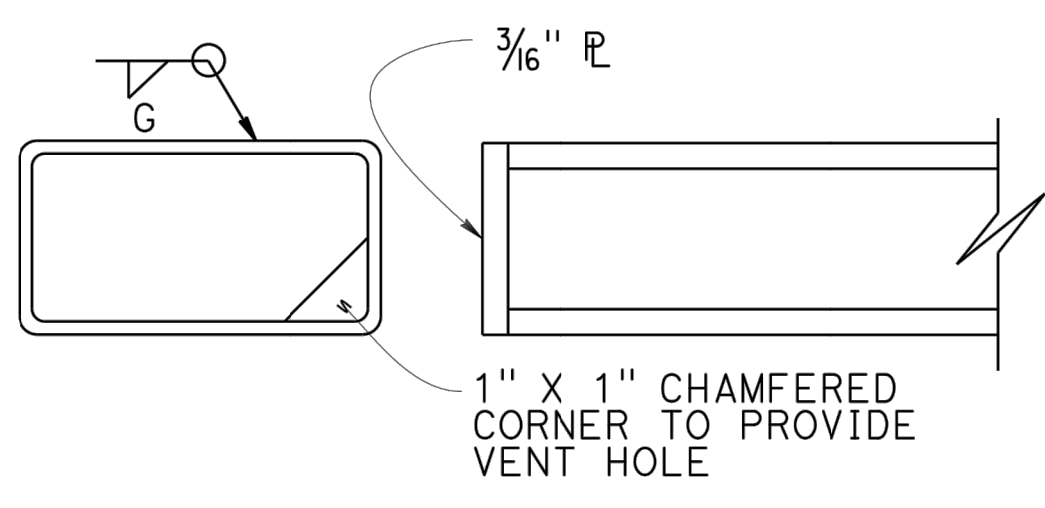
1. Tubular railing posts shall be normal to railing.
2. Tube splices shall be located in the tubes spanning deck or wall joints. Increase joint width in tubes to match expansion joint width and increase sleeve length accordingly.
3. Top rail tube shall be continuous over not less than two posts.



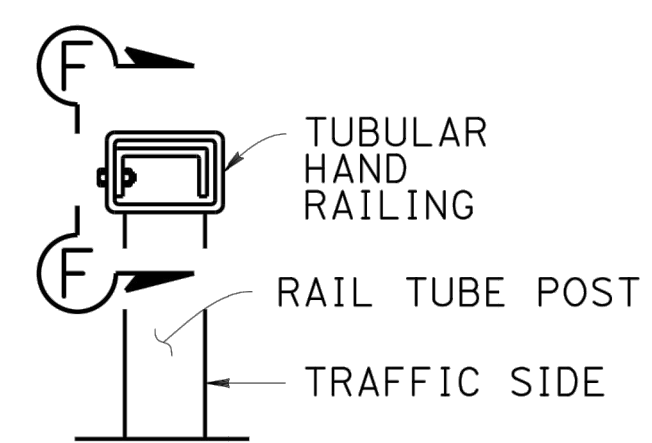
SECTION H-H
ALTERNATIVE TUBE WELDED STANDARD SPLICE
 FOR SPLICES NOT AT EXPANSION JOINTS
 NO SCALE



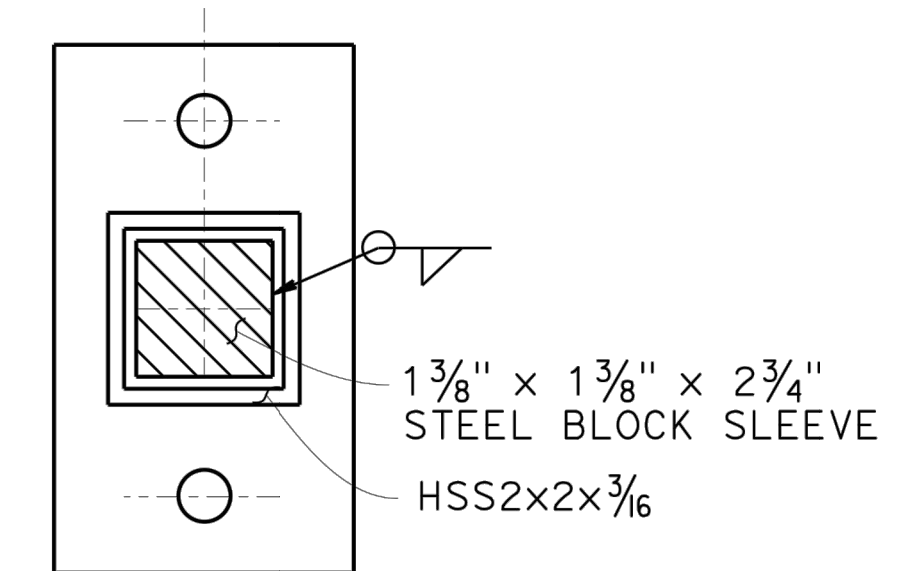
SECTION B-B
TUBULAR HAND RAILING DETAILS
 NO SCALE



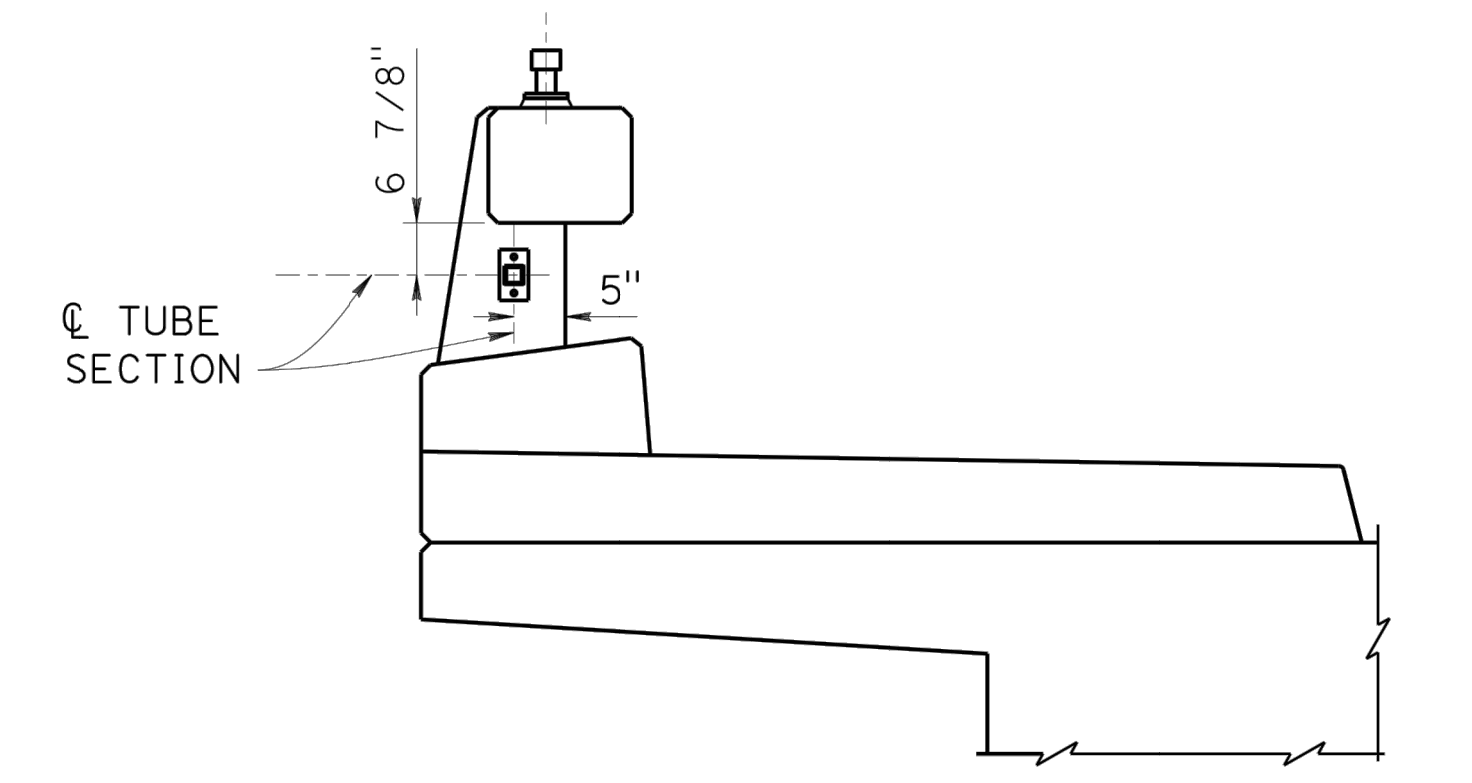
SECTION C-C
 NO SCALE



SECTION D-D
 NO SCALE



SECTION D-D
 NO SCALE



SECTION E-E
 NO SCALE

DESIGN OVERSIGHT
 4/28/2023
 SIGN OFF DATE

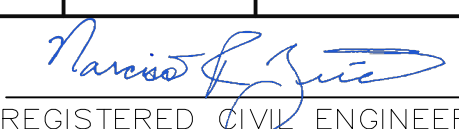
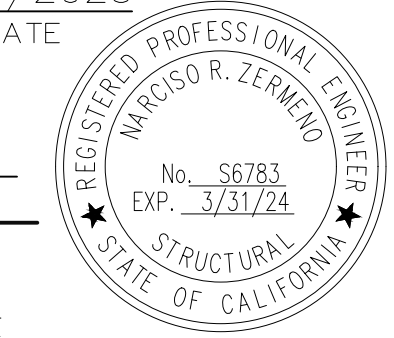
DESIGN BY: N. Zermeno
 CHECKED BY: T. Eaton
 DETAILS BY: D. Fagundes
 CHECKED BY: T. Eaton
 QUANTITIES BY: D. Fagundes
 CHECKED BY: K. De La Cruz

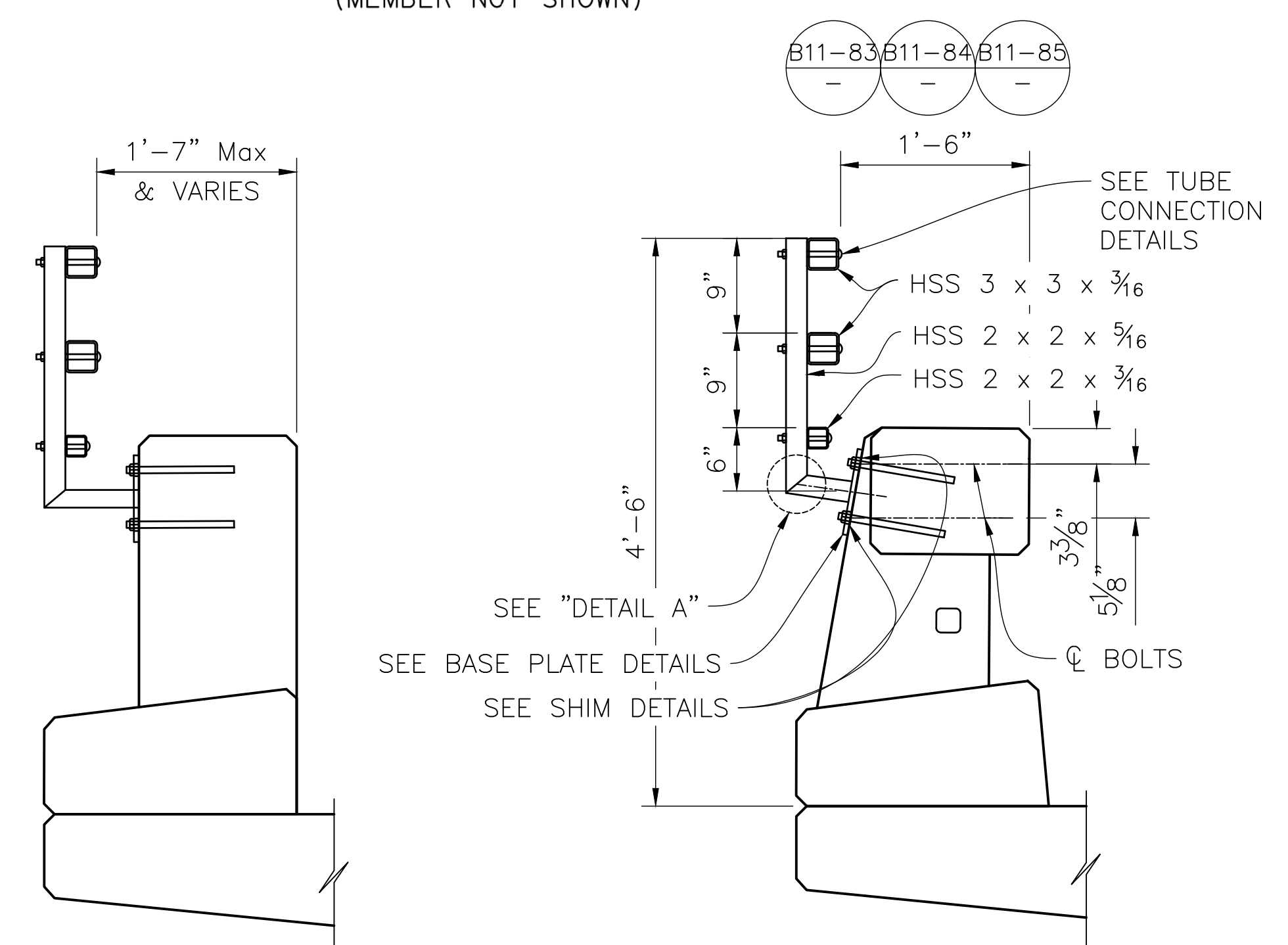
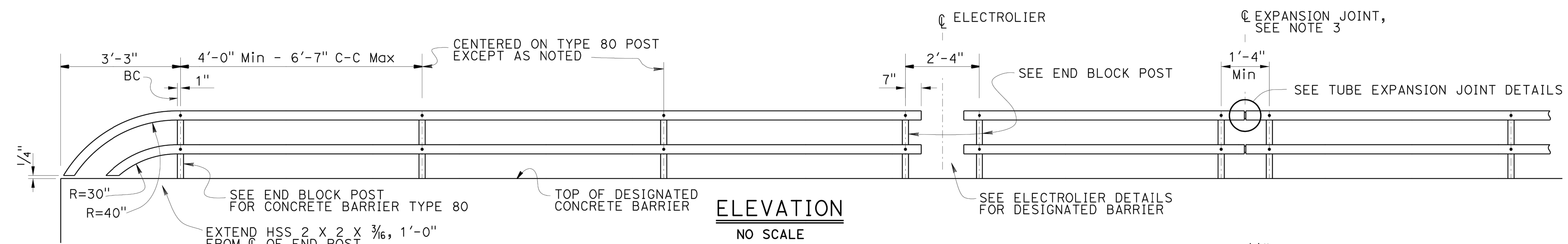
DATE PLOTTED => \$DATE
 FILE => \$REQUEST

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

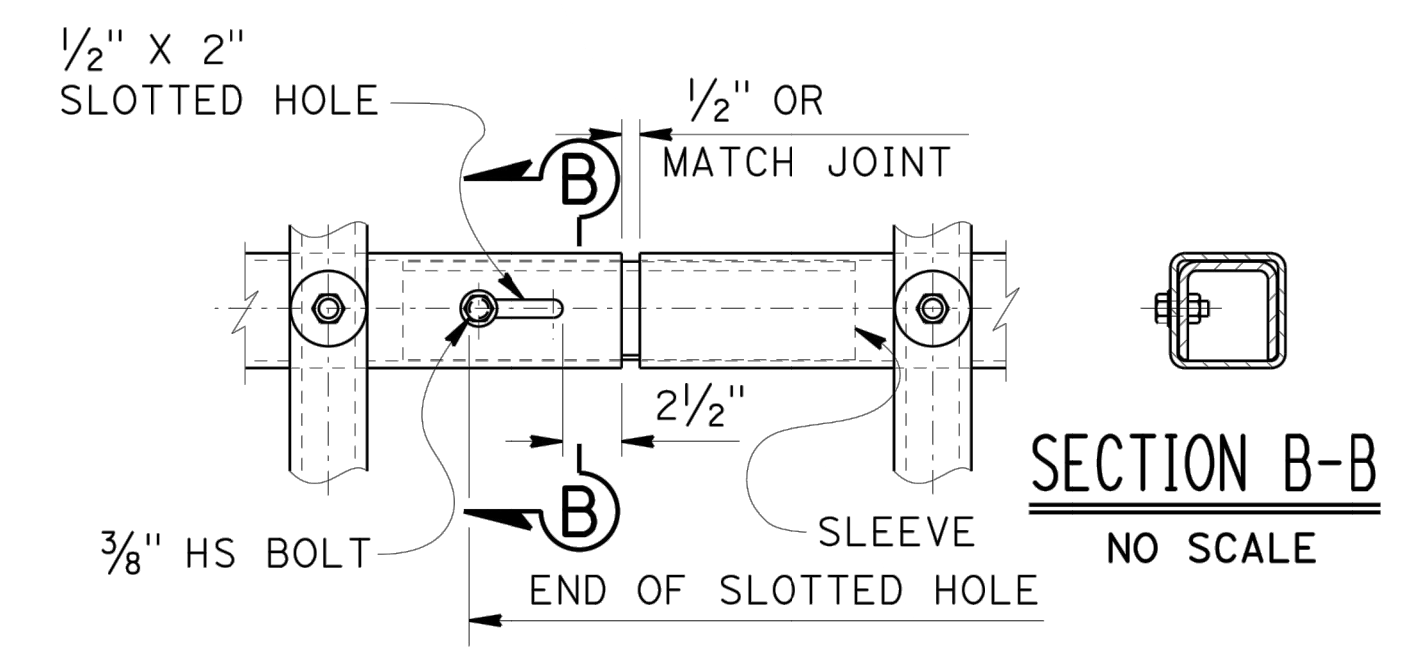
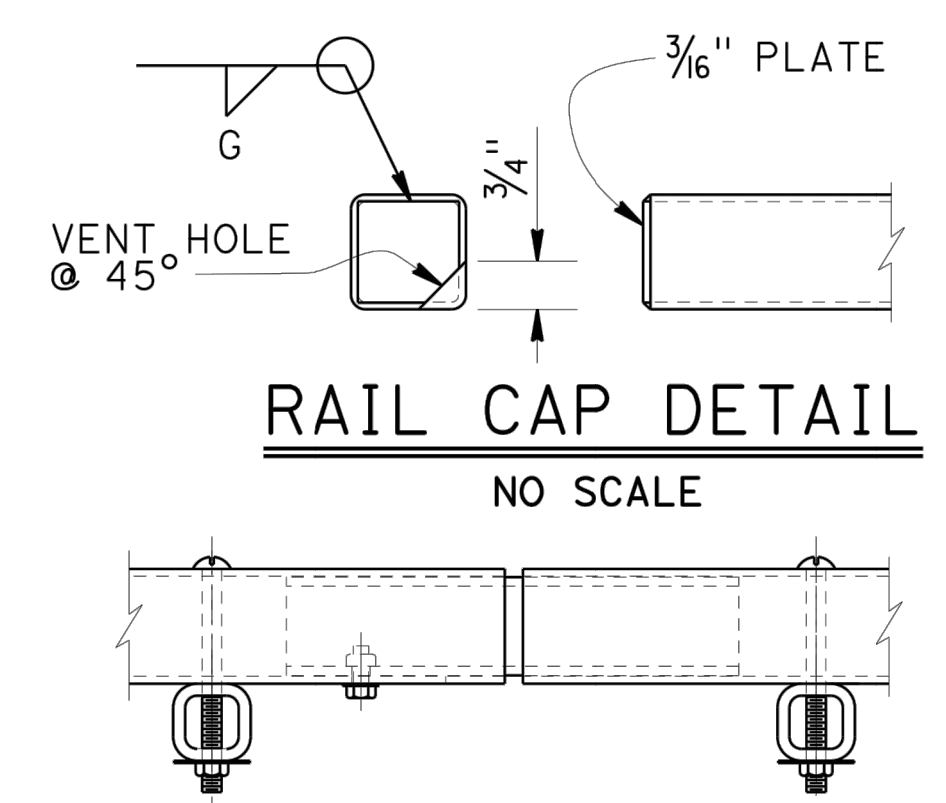
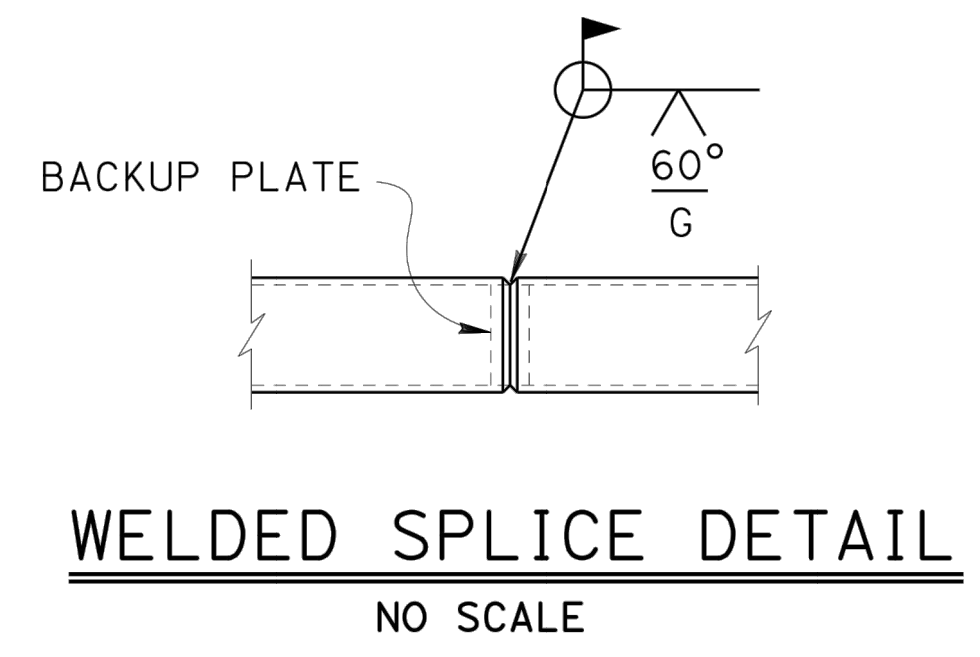
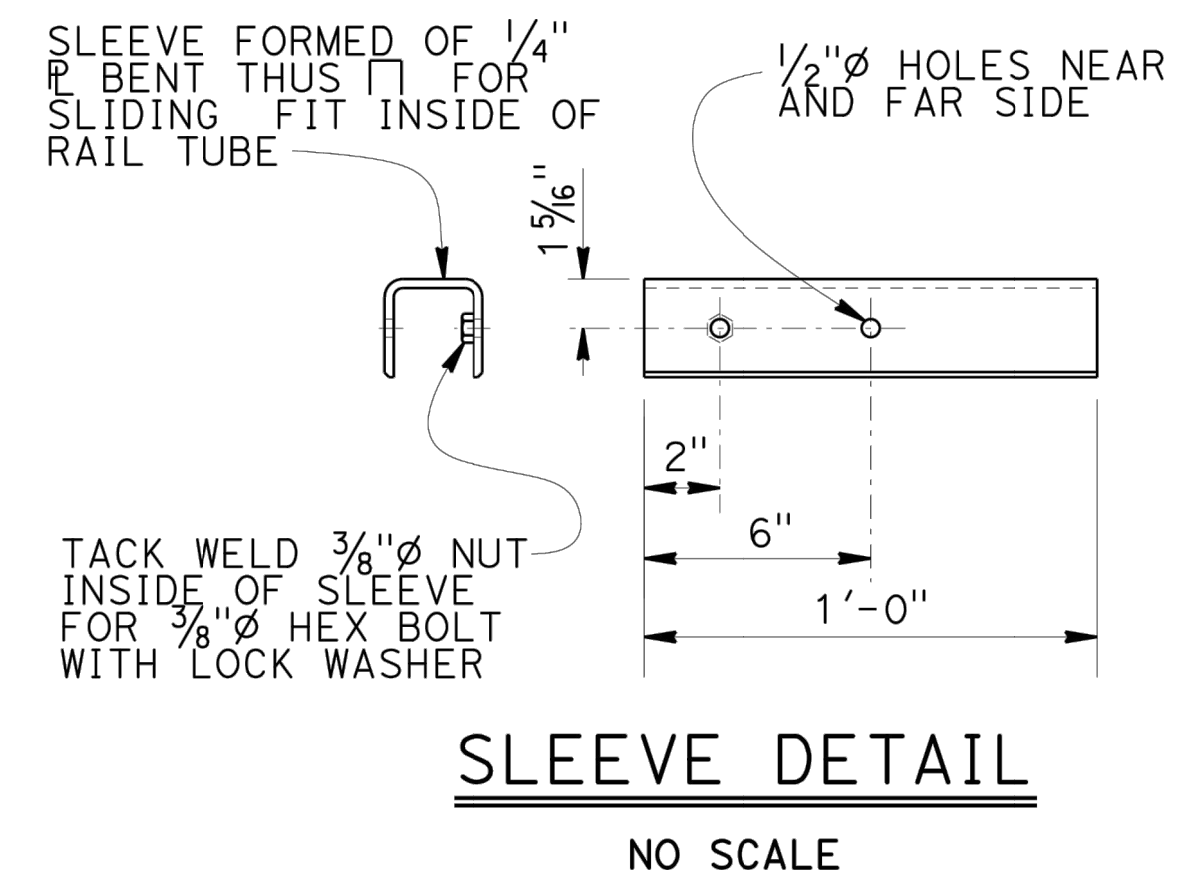
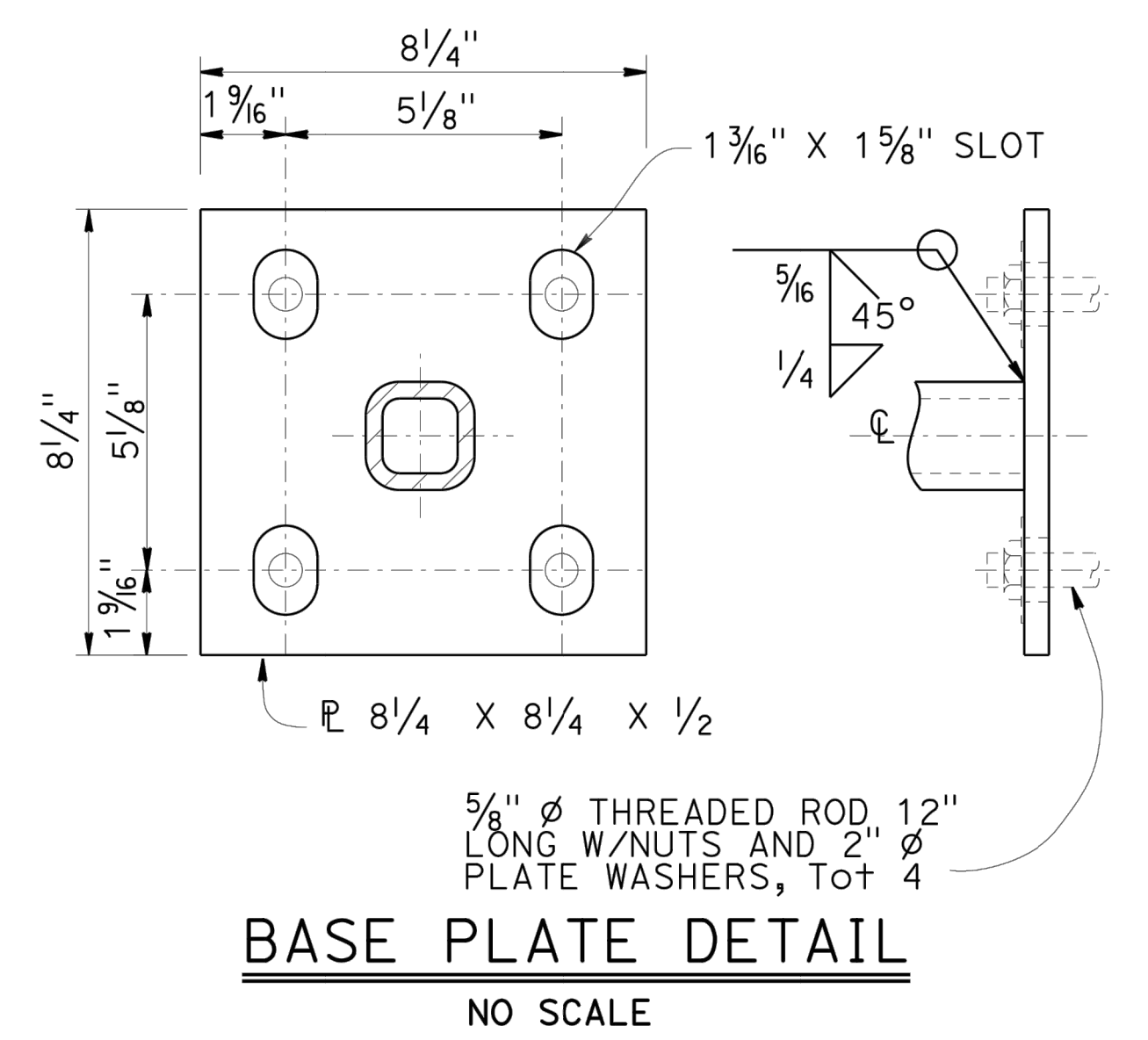
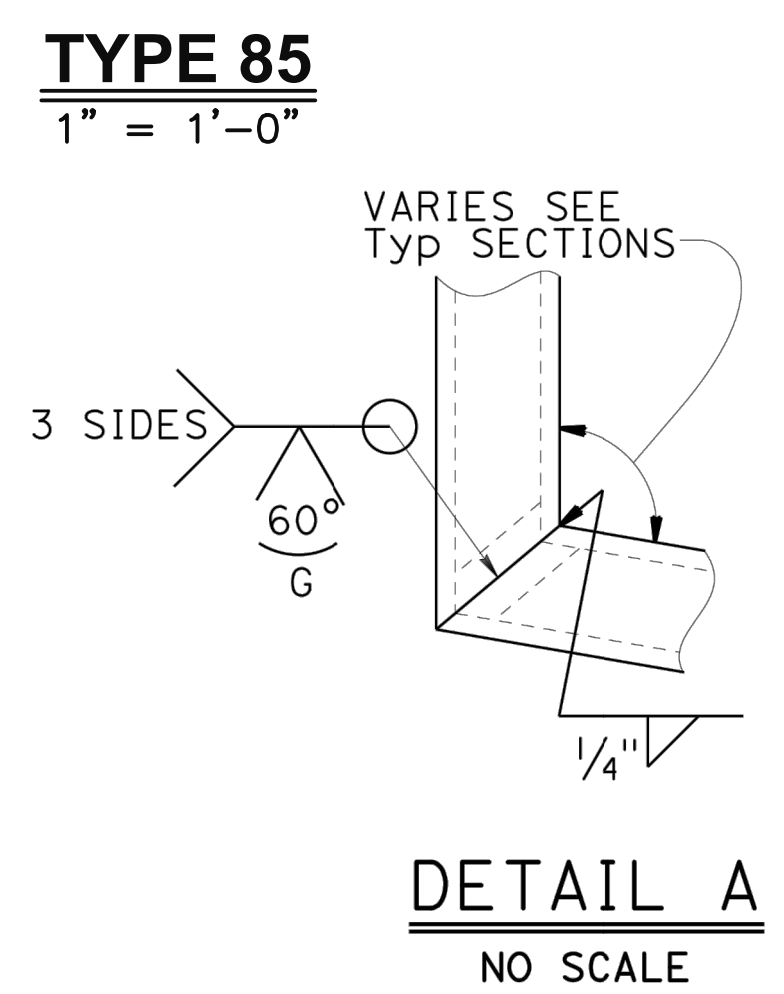
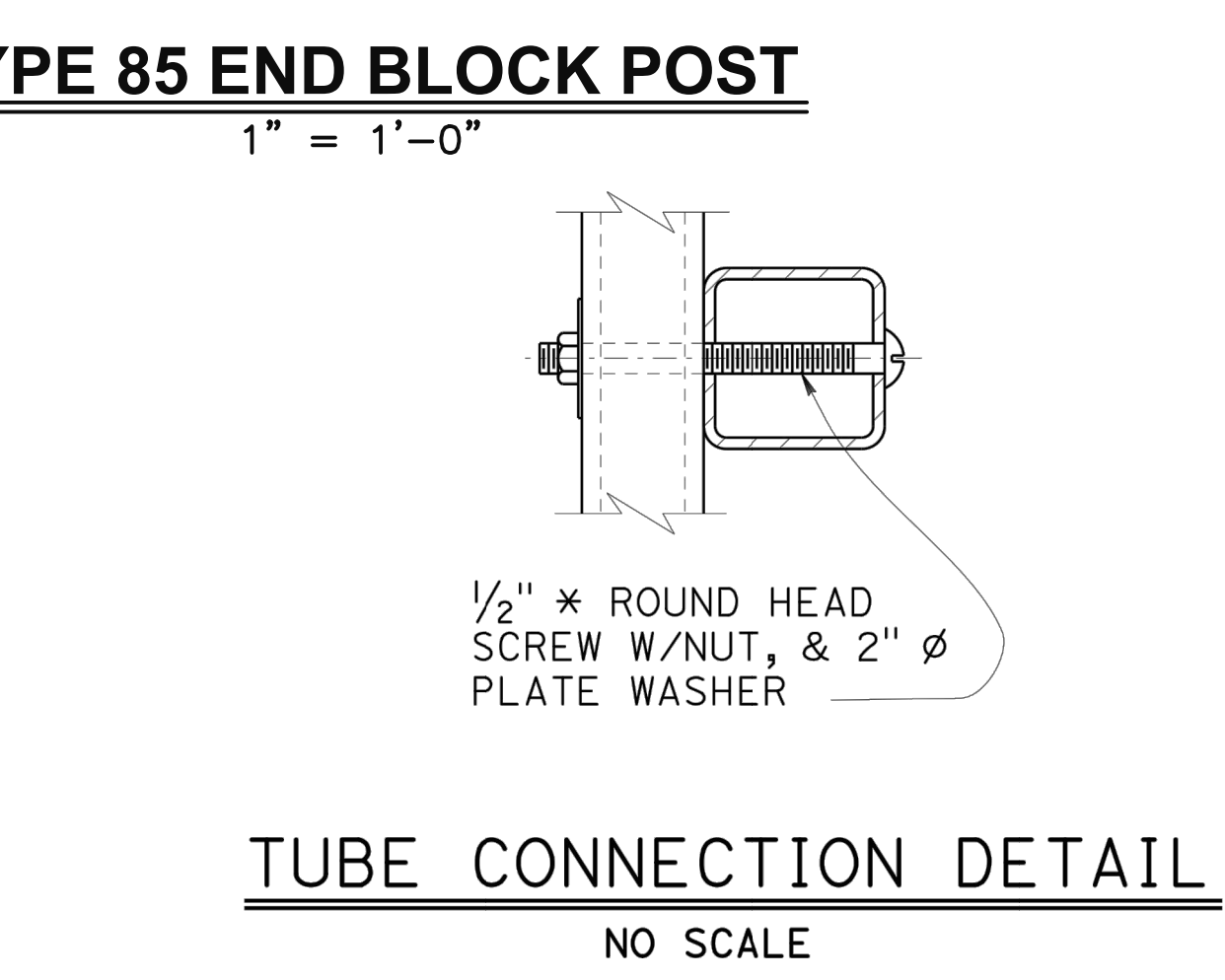
BRIDGE No. 44-0301
 POST MILE 0.9

FORTAG PEDESTRIAN UNDERCROSSING
CONCRETE BARRIER TYPE 85SW DETAILS NO. 4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	140	195
 REGISTERED CIVIL ENGINEER			4/27/2023	DATE	
4/28/2023 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
TRANSPORTATION AGENCY FOR MONTEREY COUNTY 55-B Plaza Circle, Salinas, California 93901 (831) 775-0903					
CORNERSTONE STRUCTURAL ENGINEERING GROUP 986 W. Alluvial Ave, Suite 201 Fresno, California 93711 (559)320-3200					



NOTE:
For details not shown, see "TYPE 85".

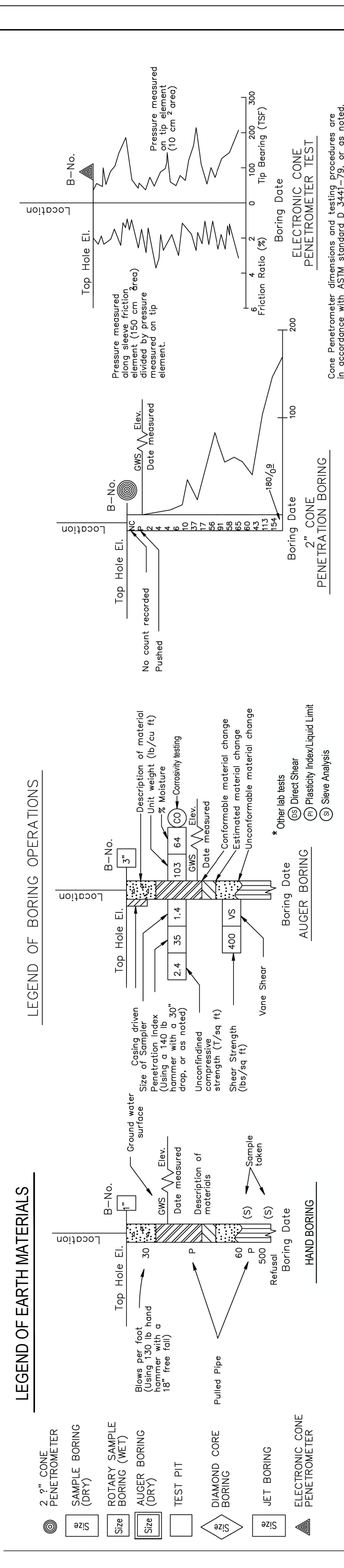


TUBE EXPANSION JOINT DETAILS
NO SCALE

- NOTES:**
1. Post must be normal to railing.
 2. Rail tubes must be shop bent or fabricated to fit horizontal curve when radius is less than 950'.
 3. Tube expansion joints must be located in the tubes spanning deck or wall joints. Increase joint width in tubes to match expansion joint width and increase sleeve length correspondingly.
 4. Top rail tube must be continuous over not less than two posts except a short post spacing is permitted near deck or wall joints, electroliers, or other rail discontinuities as noted.
 5. See Project Plans for limits of tubular bicycle railing.

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE SAYGUNN LOW	DESIGN	BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	44-0301	FORTAG PEDESTRIAN UNDERCROSSING TUBULAR BICYCLE RAILING DETAILS									
	DETAILS	BY D. Fagundes	CHECKED T. Eaton		PROJECT ENGINEER	POST MILE		0.9								
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz			COUNTY/ROUTE: MON/218		CONTRACT No.: 05-1M570								
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE	FILE => \$REQUEST	TIME PLOTTED => \$TIME	USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	PROJECT NUMBER & PHASE: 0520000029	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF		
												3/9/21	4/21/23	4/2/23	17	18



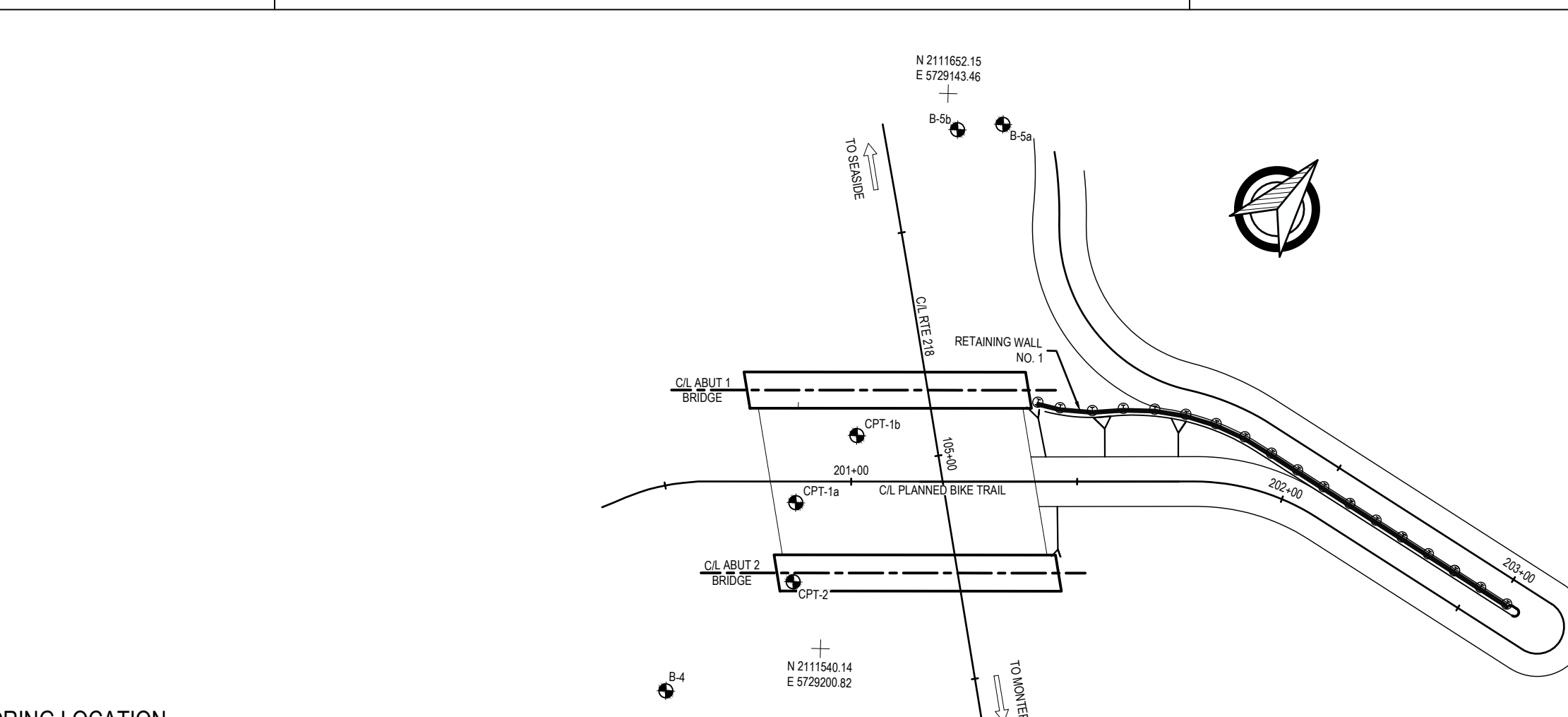
CONSISTENCY CLASSIFICATION FOR SOILS
According to the Standard Penetration Test

SPT N-Value (Blows/foot)	Granular	SPT N-Value (Blows/foot)	Cohesive
0-4	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-30	Medium Dense	5-8	Firm
31-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		>31	Hard

LEGEND OF EARTH MATERIALS

SAND	SANDY SILT or SILTY SAND
SILT	SILTY CLAY or CLAYEY SILT
ELASTIC SILT	PEAT and/or ORGANIC MATTER
LEAN CLAY	
FAT CLAY	
SANDY CLAY or CLAYEY SAND	

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.



SITE BENCH MARK
1/2" DIAMETER REBAR WITH PLASTIC CAP.
N 2111496.87
E 5729331.47
ELEVATION: 85.23'
HORIZ: NAD83 (USFT)
VERT: NAVD88

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	141	195

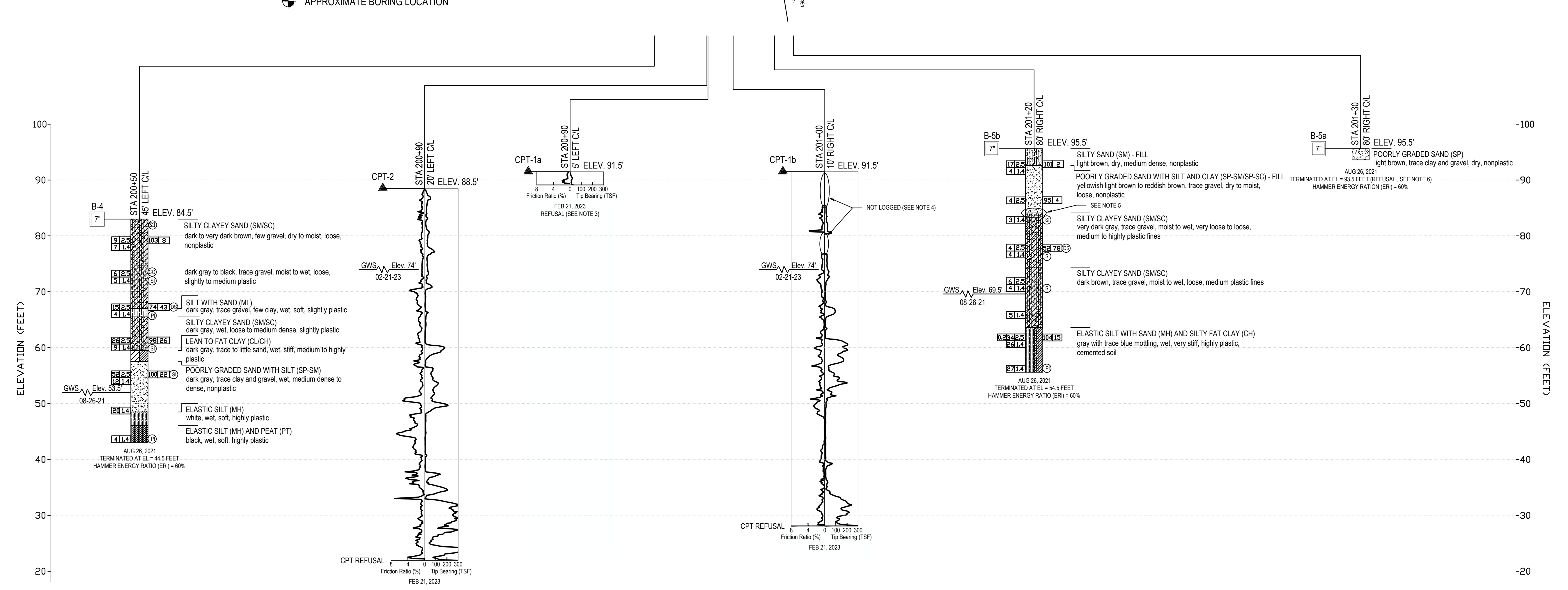
REGISTERED CIVIL ENGINEER: *Norman A. Joyal* DATE: 4/27/23
PLANS APPROVAL DATE: X 4/28/2023

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

MCMILLEN JACOBS ASSOCIATES
1350 Treat Blvd, Suite 100
Walnut Creek, California 94597
(925) 839-5374

TRANSPORTATION AGENCY FOR MONTEREY COUNTY
55-B Plaza Circle,
Salinas, California 93901
(831) 775-0903

PLAN
1" = 30'



PROFILE
VERT: 1" = 10'

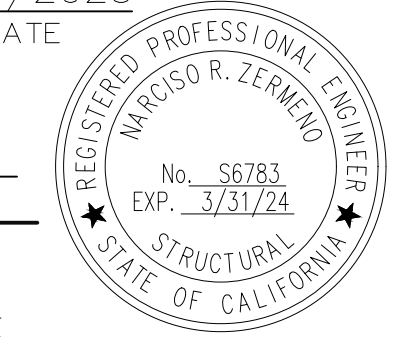
- NOTES:**
1. Test borings were made with a SIMCO 2400 SK-1 Longstroke drill rig using 7-inch diameter continuous hollow stem augers.
 2. Penetration resistance (blow per foot) are the last 12 inches of an 18-inch drive using a 140-pound cathead sampling hammer falling 30 inches per blow unless noted otherwise.
 3. CPT rig shifted when refusal was encountered on suspected concrete and had to be abandoned
 4. Hand augered to 6'; obstruction encountered from 11' to 15'; punched through the obstruction and advanced to refusal.
 5. Concrete between 10.5' - 12' bgs.
 6. Refusal in fill on concrete and metal.

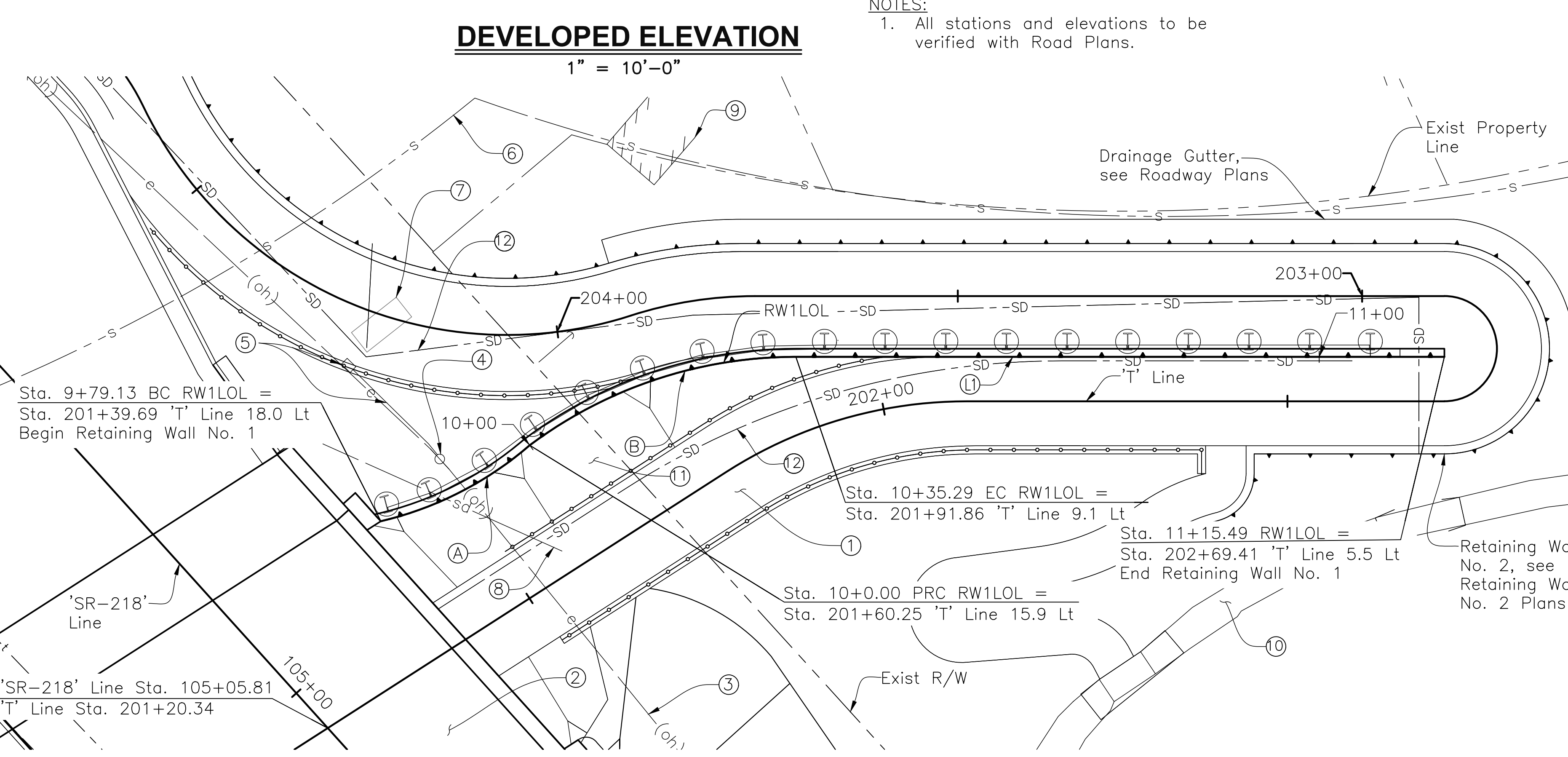
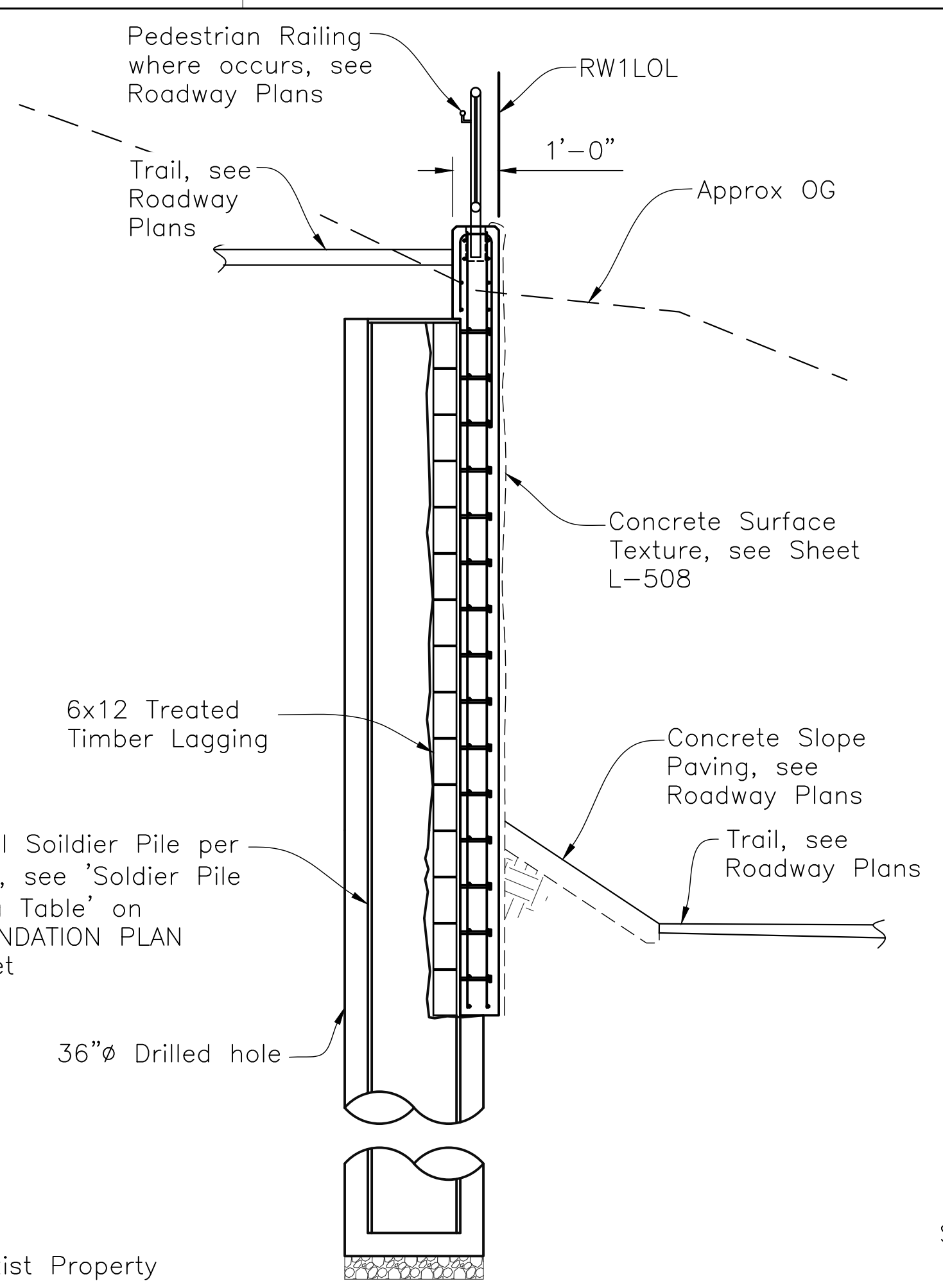
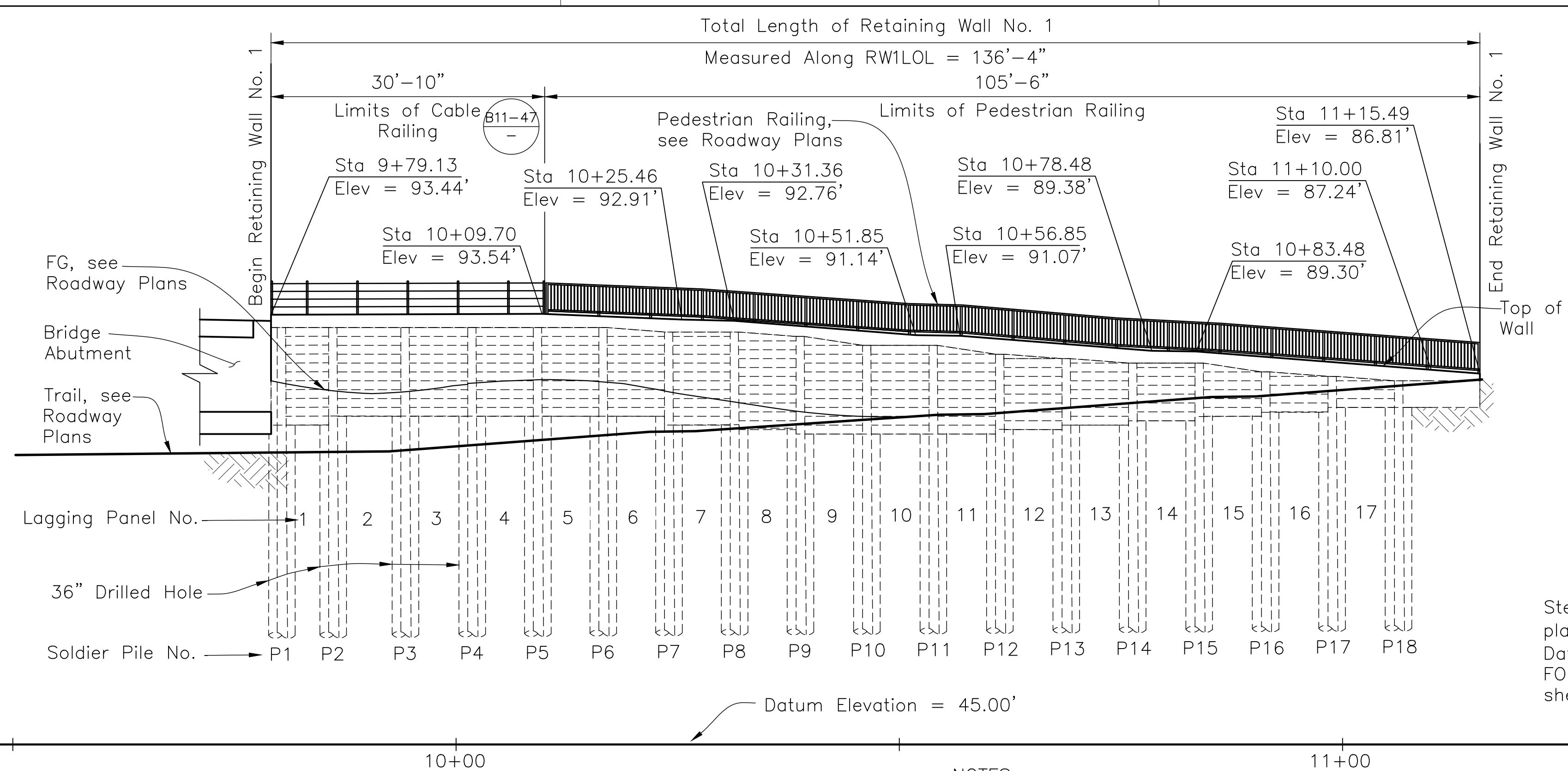
DESIGN OVERSIGHT: SAYGUNN LOW
4/28/2023
SIGN OFF DATE

DRAWN BY: S. Soe
CHECKED BY: N. JOYAL
FIELD INVESTIGATION BY: S. Soe
DATE: AUG 26, 2021 AND FEB 21, 2023

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
N. JOYAL, G.E., P.E.
PROJECT ENGINEER

BRIDGE No. 44-E0026
POST MILE 0.9
FORTAG PEDESTRIAN UNDERCROSSING
LOG OF TEST BORINGS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	142	195
			4/27/2023	DATE	
			4/28/2023	PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
CORNERSTONE STRUCTURAL ENGINEERING GROUP 986 W. Alluvial Ave, Suite 201 Fresno, California 93711 (559) 320-3200 TRANSPORTATION AGENCY FOR MONTEREY COUNTY 55-B Plaza Circle, Salinas, California 93901 (831) 775-0903					



NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any materials.

PLAN
1"=10'-0"

LINE DATA		
No.	BEARING	LENGTH
Ⓐ	N83°11'37"E	80.20'

CURVE DATA			
No.	RADIUS	DELTA	LENGTH
Ⓐ	43.32'	27°36'07"	20.87'
Ⓑ	55.00'	36°45'38"	35.29'

TYPICAL SECTION
3/8" = 1'-0"

Legend

- Indicates New Construction
- ① Multi-use Trail, See Roadway Plans
- ② Proposed FORTAG Pedestrian Undercrossing (Br. No. 44-0301), See Bridge Plans
- ③ Exist Overhead Electric Lines to Remain
- ④ Exist Overhead Electric Pole to Remain
- ⑤ Exist Electrical Box and Supply Line to Remain
- ⑥ Exist Sanitary Sewer Line to Remain
- ⑦ Existing Pressure Regulating Station to be Relocated, see Roadway Plans
- ⑧ Exist Storm Water Line to be Removed, see Roadway Plans
- ⑨ Exist Building to Remain
- ⑩ Existing Trail to Remain
- ⑪ Concrete Slope Paving, see Roadway Plans
- ⑫ Proposed Storm Drain Pipe, see Roadway Plans

GENERAL NOTES:


- These plans are for the retaining wall only. See Roadway Plans for additional notes and details.
- For General Notes, see TYPICAL SECTION sheet.
- Contractor to field verify limits of drilled hole.
- Contractor must be responsible for maintaining roadway and wall stability during all temporary conditions and construction operations to include construction equipment and traffic surcharges.
- Utility locations shown are schematic. Contractor to verify all utilities with Roadway Plans.

STANDARD PLANS DATED 2022

- A3A ABBREVIATIONS (SHEET 1 OF 3)
- A3B ABBREVIATIONS (SHEET 2 OF 3)
- A3C ABBREVIATIONS (SHEET 3 OF 3)
- A10A LEGEND - LINES & SYMBOLS (SHEET 1 OF 5)
- A10B LEGEND - LINES & SYMBOLS (SHEET 2 OF 5)
- A10C LEGEND - LINES & SYMBOLS (SHEET 3 OF 5)
- A10D LEGEND - LINES & SYMBOLS (SHEET 4 OF 5)
- A10E LEGEND - LINES & SYMBOLS (SHEET 5 OF 5)
- B0-3 BRIDGE DETAILS
- B0-13 BRIDGE DETAILS
- B3-6 RETAINING WALL DETAILS NO. 2
- B11-47 CABLE RAILING

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN
2	FOUNDATION PLAN
3	TYPICAL SECTION
4	RETAINING WALL DETAILS NO. 1
5	RETAINING WALL DETAILS NO. 2
6	RETAINING WALL DETAILS NO. 3
7	LOG OF TEST BORINGS

 DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE	DESIGN	BY N. Zermeno	CHECKED T. Eaton	SEISMIC ANALYSIS	BY D. Fagundes	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	44-E0026	RETAINING WALL NO. 1 GENERAL PLAN
	DETAILS	BY D. Fagundes	CHECKED T. Eaton	LAYOUT	BY N. Zermeno	CHECKED T. Eaton		PROJECT ENGINEER	NARCISO R. ZERMENO	
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz	SPECIFICATIONS	BY N. Zermeno	PLANS AND SPECS COMPARED				

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	143	195

4/27/2023
 REGISTERED CIVIL ENGINEER DATE
 4/28/2023
 PLANS APPROVAL DATE

NARCISO R. ZERMENO
 REGISTERED PROFESSIONAL ENGINEER
 No. S6783
 EXP. 3/31/24
 STRUCTURAL
 STATE OF CALIFORNIA

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CORNERSTONE STRUCTURAL ENGINEERING GROUP
 986 W. Alluvial Ave, Suite 201
 Fresno, California 93711
 (559)320-3200

TRANSPORTATION AGENCY FOR MONTEREY COUNTY
 55-B Plaza Circle,
 Salinas, California 93901
 (831) 775-0903

SOLDIER PILE DATA TABLE

Pile No.	'RW1LOL' Station	'T' Line Station	Pile Type	Top of Pile Elevation	Pile Tip Elevation
P1	9+80.30	201+41.31	W24x176	92.00'	50.00'
P2	9+86.10	201+46.70	W24x176	92.00'	50.00'
P3	9+94.25	201+54.49	W24x176	92.00'	50.00'
P4	10+01.78	201+61.97	W24x176	92.00'	50.00'
P5	10+09.17	201+69.57	W24x176	92.00'	50.00'
P6	10+16.57	201+77.07	W24x176	92.00'	50.00'
P7	10+23.98	201+83.25	W24x176	91.50'	50.00'
P8	10+31.38	201+89.15	W24x176	91.50'	50.00'
P9	10+38.83	201+95.17	W24x176	91.00'	50.00'
P10	10+46.33	202+01.49	W24x176	90.00'	50.00'
P11	10+53.83	202+08.05	W24x176	90.00'	50.00'
P12	10+61.33	202+15.25	W24x176	89.00'	50.00'
P13	10+68.83	202+22.75	W24x176	88.50'	50.00'
P14	10+76.33	202+30.25	W24x176	88.00'	50.00'
P15	10+83.83	202+37.75	W24x176	88.00'	50.00'
P16	10+91.33	202+45.25	W24x176	87.00'	50.00'
P17	10+98.83	202+52.75	W24x176	86.50'	50.00'
P18	11+06.33	202+60.25	W24x176	86.00'	50.00'

Legend

- 90- Indicates Contour Elevation
- ① Exist Overhead Electric Lines to Remain
- ② Exist Overhead Electric Pole to Remain
- ③ Exist Electrical Box and Supply Line to be Relocated, see Roadway Plans
- ④ Existing Pressure Regulating Station to be Relocated, see Roadway Plans
- ⑤ Exist Storm Drain Pipe to be Removed, see Roadway Plans
- ⑥ Exist Water Equipment to be Relocated, see Roadway Plans
- ⑦ Proposed Storm Drain Pipe, see Roadway Plans

BENCHMARK AND DATUM

Monument	Datum	Elevation (ft)	Description/Location
941 3450 M TIDAL	NAVD 88	11.70	TIDAL BENCHMARK

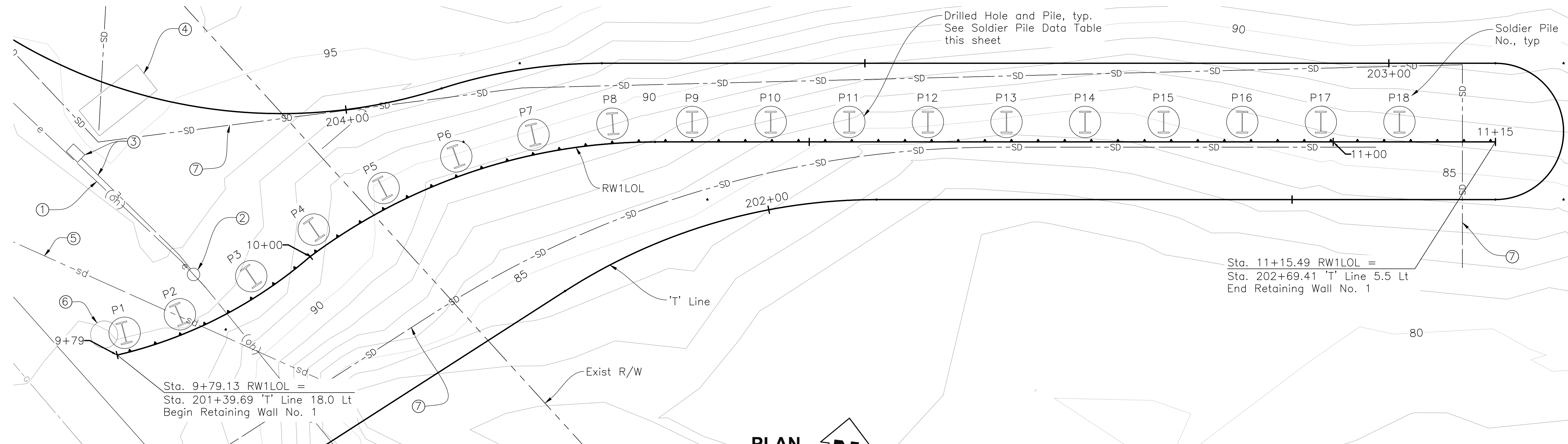
PROJECT SURVEY CONTROL

Monument	Coordinates (NAD83)		Elevation (NAVD88) (ft)	Description/Location
	North	East		
521 (MON-218-PM0.91)	2111621.68	5729184.99	93.94	Set Mag & Shiner
511 (MON-218-PM0.95)	2111493.76	5729336.84	85.23	Set Rebar & Cap

Notes:

1. Utility locations shown are approximate, for utility relocations see Roadway Plans.
2. See Roadway Plans for right-of-way data and limits of work.
3. Contour interval = 1'.
4. Contours shown indicate existing conditions. For finished grade contours, see Roadway Plans.
5. Retaining Wall No. 2 not shown.
6. Bridge foundations not shown.

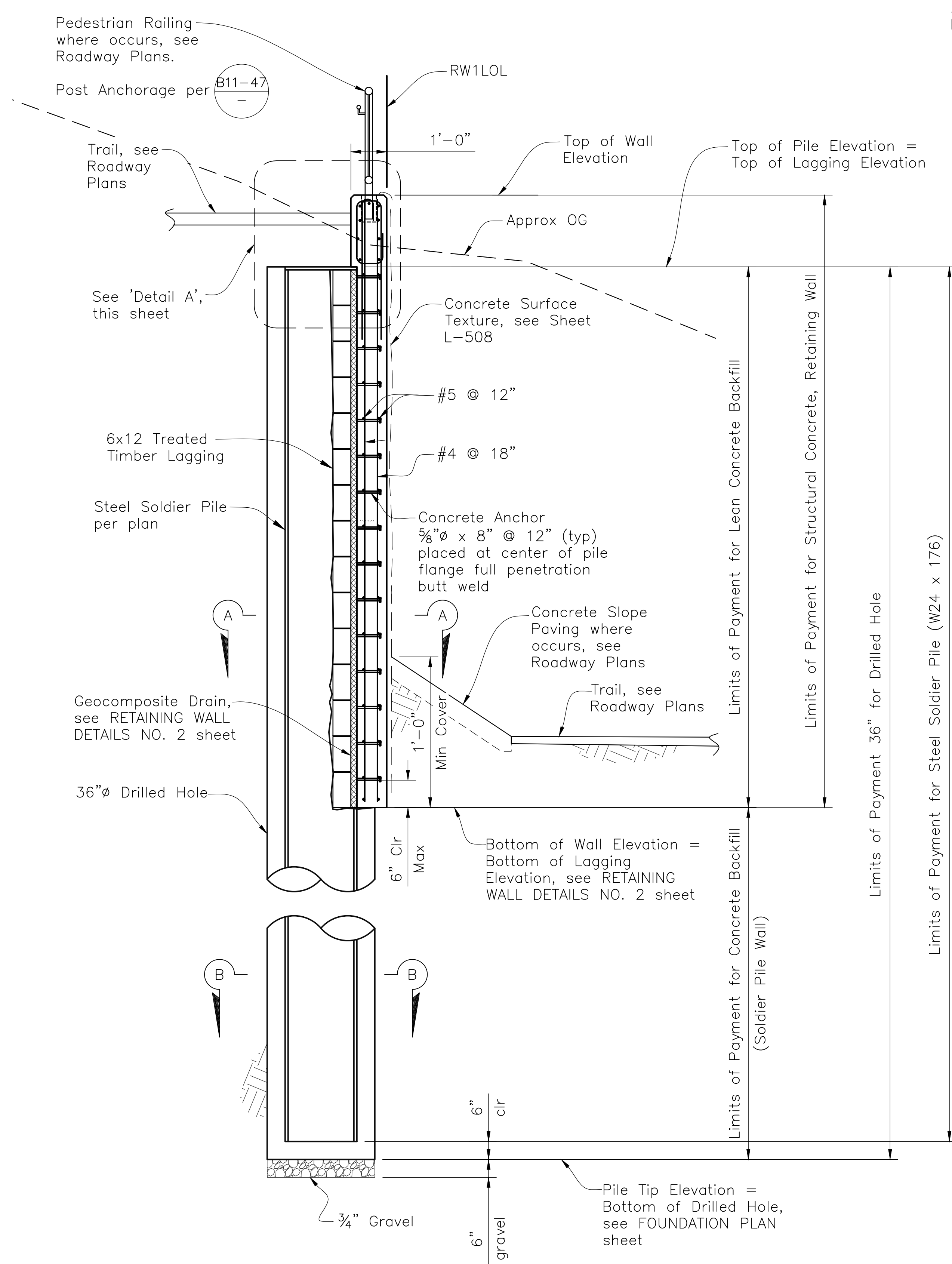
Note:
W shapes are to be orientated perpendicular, respectively, to the curved portion of the wall alignment.



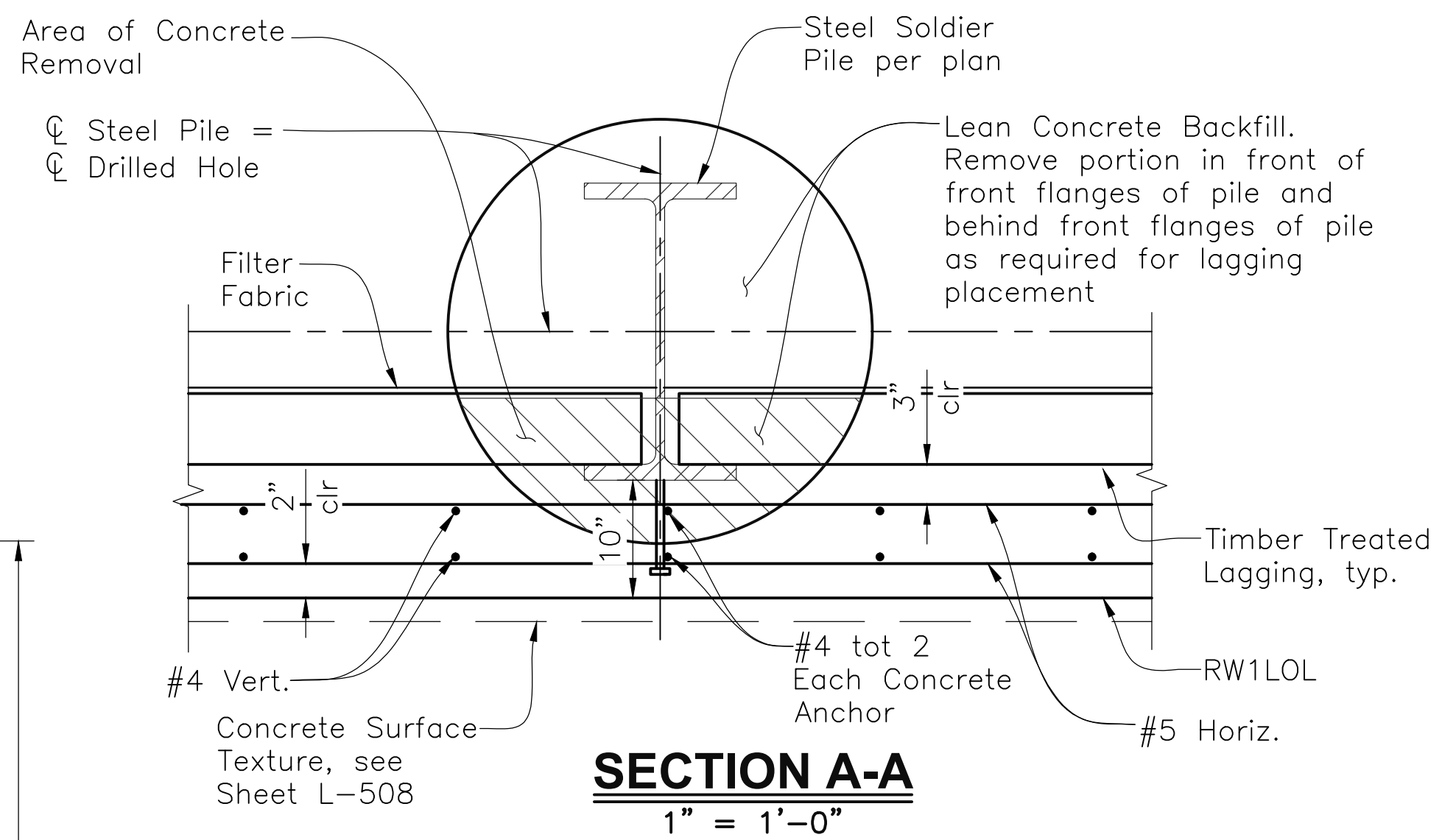
NOTE:
The Contractor shall verify all controlling field dimensions prior to ordering or fabricating any materials.

DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE SAYGUNN LOW	SCALE: AS NOTED	VERT. DATUM NAVD88 GU4116	HORIZ. DATUM NAD83 (2011) CCS83, Zone 4	DESIGN BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 44-E0026	RETAINING WALL NO. 1 FOUNDATION PLAN
	PHOTOGRAMMETRY AS OF: October 16, 2020	ALIGNMENT TIES: See PROJECT SURVEY CONTROL Table	SURVEYED BY T. Hannah	DRAFTED BY R. Weber	DETAILS BY D. Fagundes		CHECKED T. Eaton	
	FIELD CHECKED BY T. Hannah	CHECKED BY R. Weber		QUANTITIES BY D. Fagundes	CHECKED K. De La Cruz		POST MILE 0.9	
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE	FILE => \$REQUEST	TIME PLOTTED => \$TIME	USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	PROJECT NUMBER & PHASE: 052000029	COUNTY/ROUTE: MON/218	CONTRACT No.: 05-1M570
							DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 3/21/21 4/21/23 4/23/23 SHEET 2 OF 7

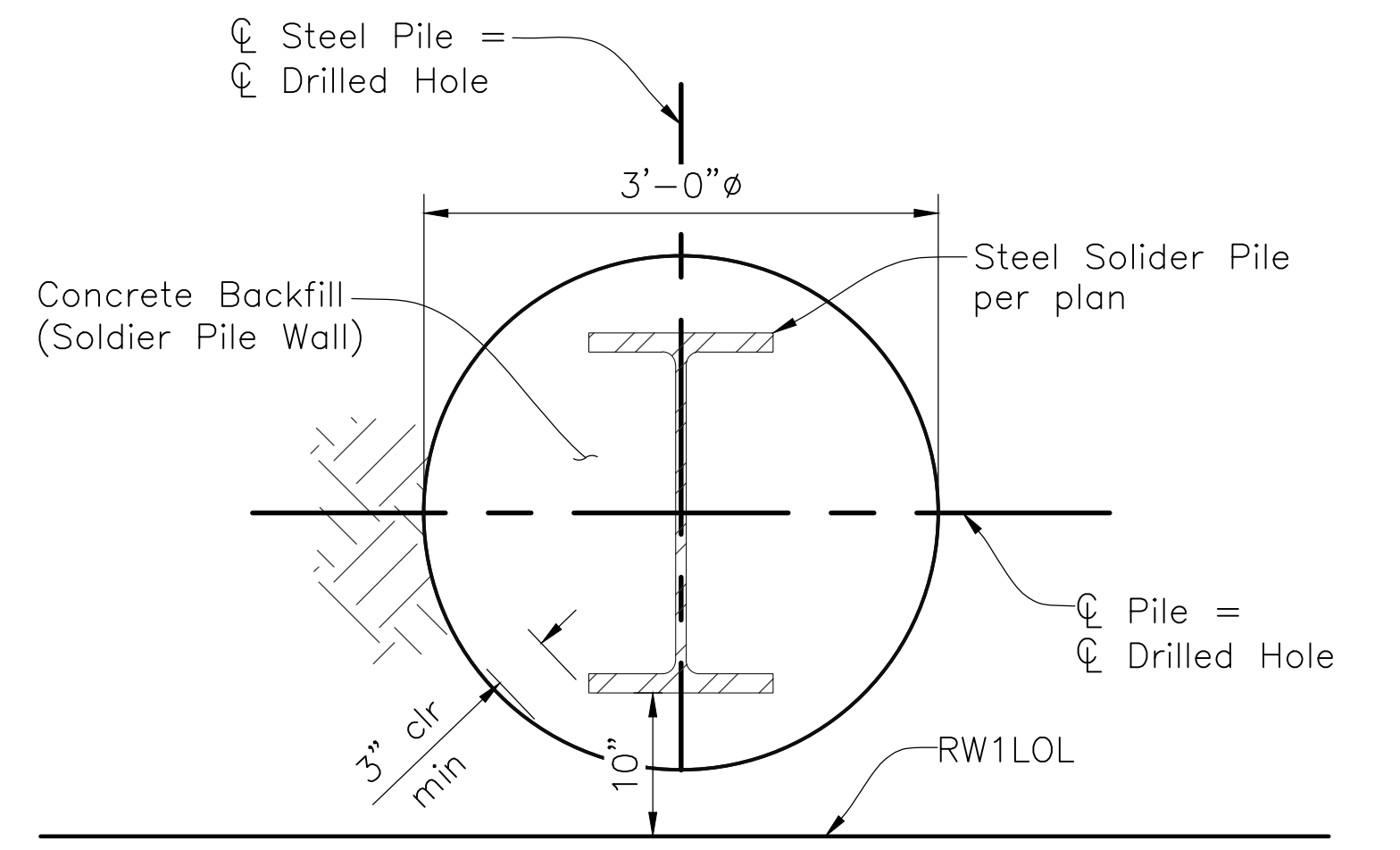
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	144	195
			4/27/2023		
			REGISTERED CIVIL ENGINEER	DATE	
			4/28/2023	PLANS APPROVAL DATE	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CORNERSTONE STRUCTURAL ENGINEERING GROUP 986 W. Alluvial Ave, Suite 201 Fresno, California 93711 (559)320-3200					
TRANSPORTATION AGENCY FOR MONTEREY COUNTY 55-B Plaza Circle, Salinas, California 93901 (831) 775-0903					



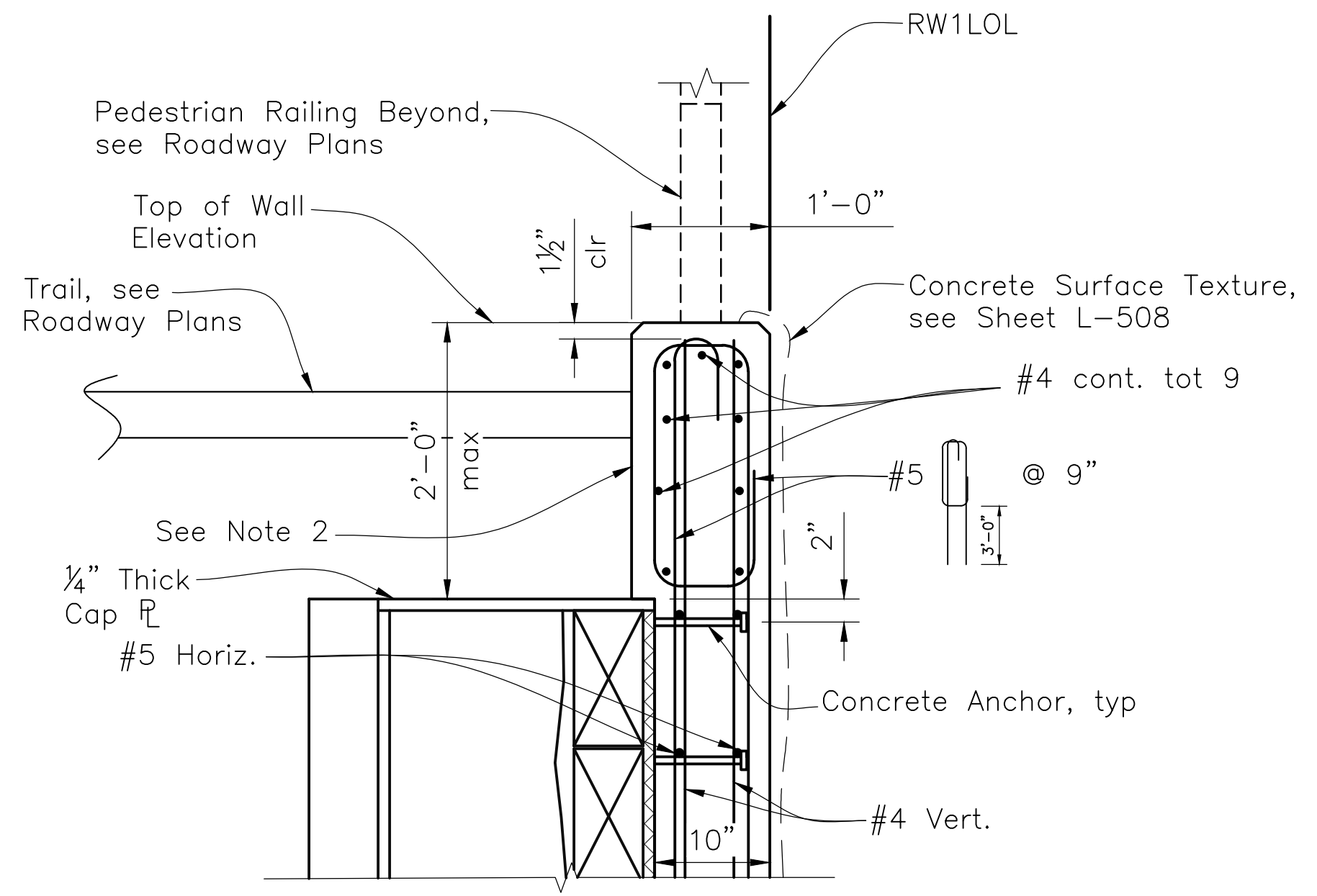
WALL SECTION
1/2" = 1'-0"



SECTION A-A
1" = 1'-0"



SECTION B-B
1" = 1'-0"



DETAIL A
1" = 1'-0"

GENERAL NOTES:

- Design: AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments
- Soil Parameters: Per "FOUNDATION REPORT FOR RETAINING WALL NO. 1" by Delve Underground dated April 2023. Backfill soil weight = 120 pcf. Level Backfill: Active pressure coefficient, $K_a = 0.30$
- Seismic Parameters: Level Backfill: Uniform Seismic Incremental Pressure = 30H psf, $k_h = 0.30$
- Steel Soldier Piles: ASTM A992 Grade 50 Min
- Reinforced Concrete (Facing): $f'_c = 4000$ psi, $f_y = 60$ ksi
- Structural Timber: Treated Douglas Fir, Grade No. 1 or better. Timber to be full sawn
- Structural Steel: Steel shapes conforming to ASTM A992: $f_y = 50$ ksi, $f_u = 65$ ksi

QUANTITIES

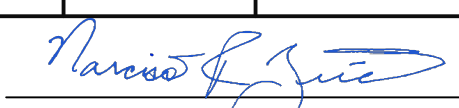
STRUCTURE EXCAVATION (SOLDER PILE WALL)	113	CY
STRUCTURE BACKFILL (SOLDER PILE WALL)	31	CY
CONCRETE BACKFILL (SOLDER PILE WALL)	148	CY
LEAN CONCRETE BACKFILL	41	CY
STEEL SOLDIER PILE (W24 X 176)	710	LF
36" DRILLED HOLE	719	LF
STRUCTURAL CONCRETE, RETAINING WALL	43	CY
CONCRETE SURFACE TEXTURE	1,336	SF
BAR REINFORCING STEEL (RETAINING WALL)	8,000	LB
TIMBER LAGGING	7.0	MFBM
CLEAN AND PAINT STEEL SOLDIER PILING	1	LS
MISCELLANEOUS METAL (RETAINING WALL)	126	LB
CABLE RAILING	31	LF

- NOTES:
- Formed surface above top of drilled hole.
 - The construction of soldier piles shall be staggered with no adjacent open holes.
 - Remove lean concrete backfill to bottom of lagging where required.

NOTE:
The Contractor shall verify all controlling field dimensions prior to ordering or fabricating any materials.

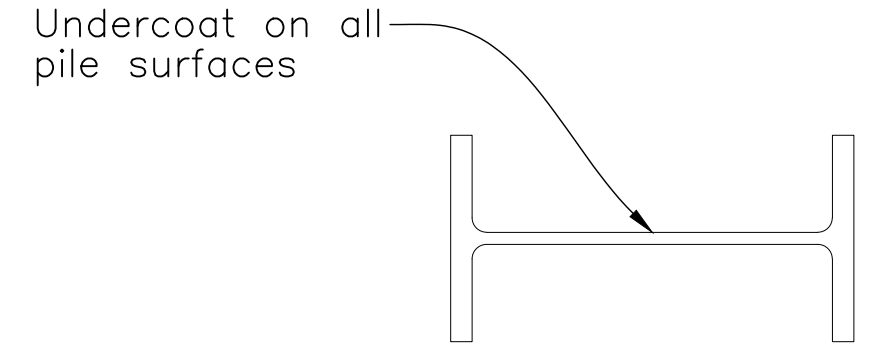
DESIGN OVERSIGHT 4/28/2023 SIGN OFF DATE SAYGUNN LOW	DESIGN	BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	44-E0026	RETAINING WALL NO. 1 TYPICAL SECTION	
	DETAILS	BY D. Fagundes	CHECKED T. Eaton		PROJECT ENGINEER	0.9		
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz					
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE FILE => \$REQUEST	TIME PLOTTED => \$TIME USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	PROJECT NUMBER & PHASE: 0520000029	COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3 OF 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	145	195


 REGISTERED CIVIL ENGINEER DATE 4/27/2023
 4/28/2023
 PLANS APPROVAL DATE
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 (831) 775-0903

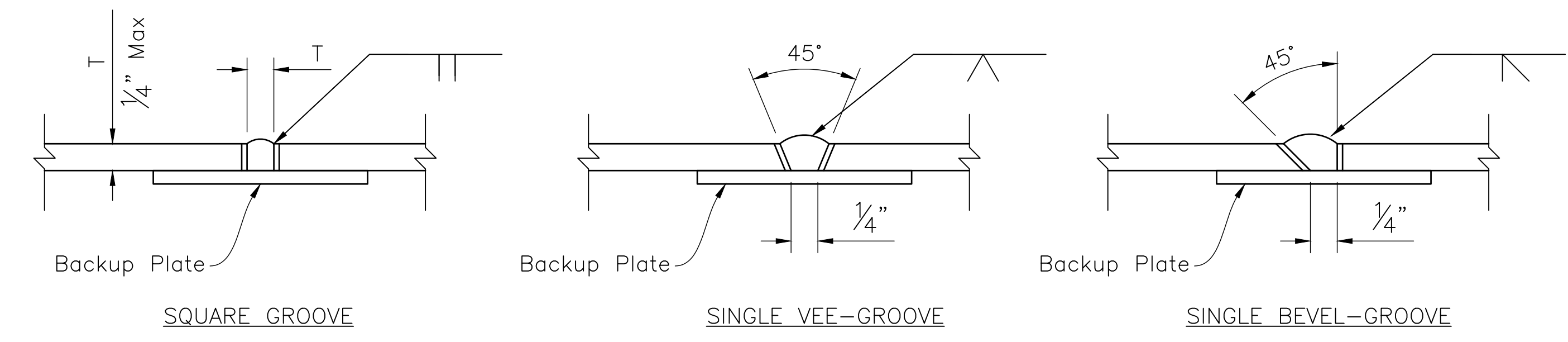


PAINTING NOTES:

1. Clean and paint Steel Soldier Pile from top of pile to 5'-0" minimum below bottom of lagging.

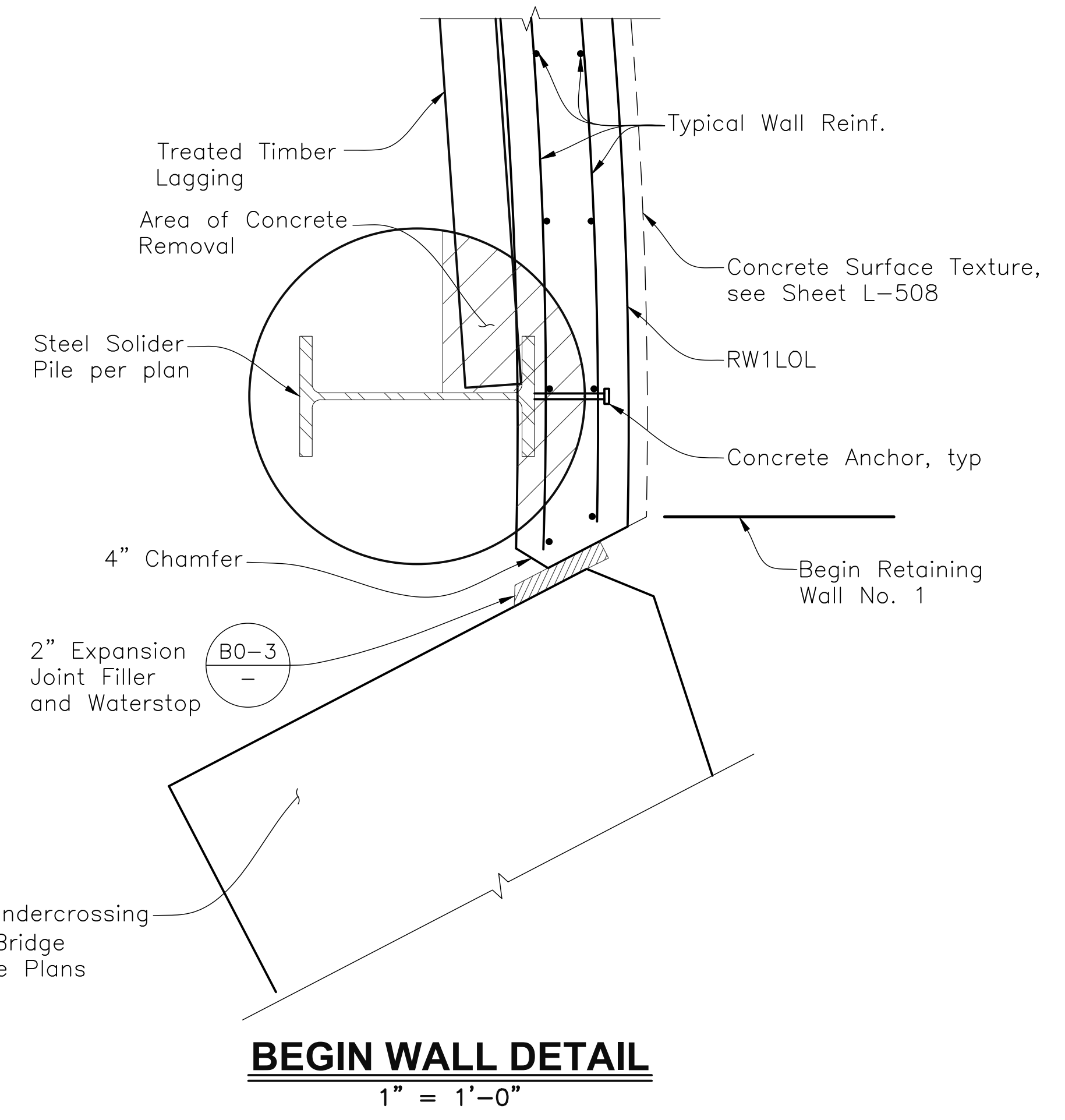
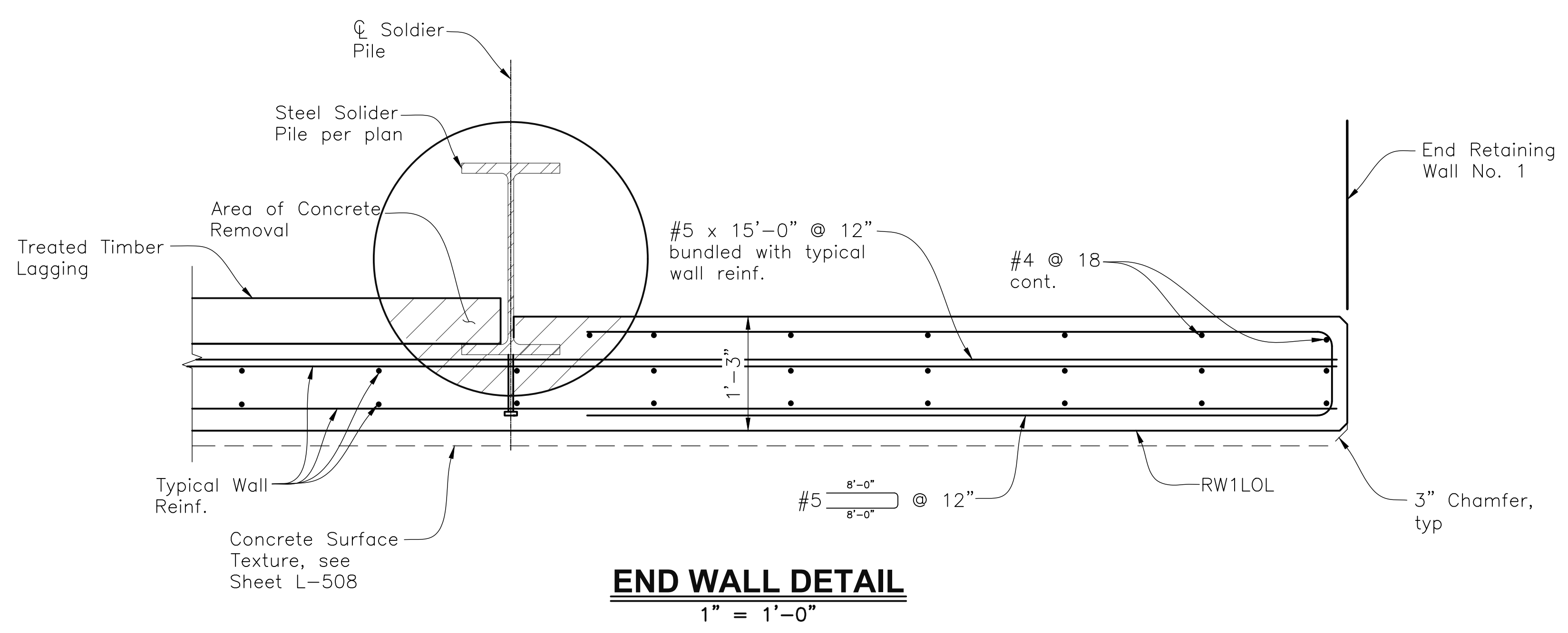
LIMITS OF CLEAN & PAINT STEEL SOLDIER PILE

NO SCALE




PILE WELDING DETAIL-BUTT JOINTS

NO SCALE



NOTE:
The Contractor shall verify all controlling field dimensions prior to ordering or fabricating any materials.

DESIGN OVERSIGHT 4/28/2023 SAYGUNN LOW SIGN OFF DATE	DESIGN BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 44-E0026	RETAINING WALL NO. 1 RETAINING WALL DETAILS NO. 1				
	DETAILS BY D. Fagundes	CHECKED T. Eaton		PROJECT ENGINEER NARCISO R. ZERMENO					
	QUANTITIES BY D. Fagundes	CHECKED K. De La Cruz		POST MILE 0.9					
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE FILE => \$REQUEST	TIME PLOTTED => \$TIME USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	PROJECT NUMBER & PHASE: 052000029	COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 4	OF 7



 REGISTERED CIVIL ENGINEER DATE 4/27/2023

 PLANS APPROVAL DATE 4/28/2023

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CORNERSTONE STRUCTURAL ENGINEERING GROUP

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 TRANSPORTATION AGENCY FOR MONTEREY COUNTY

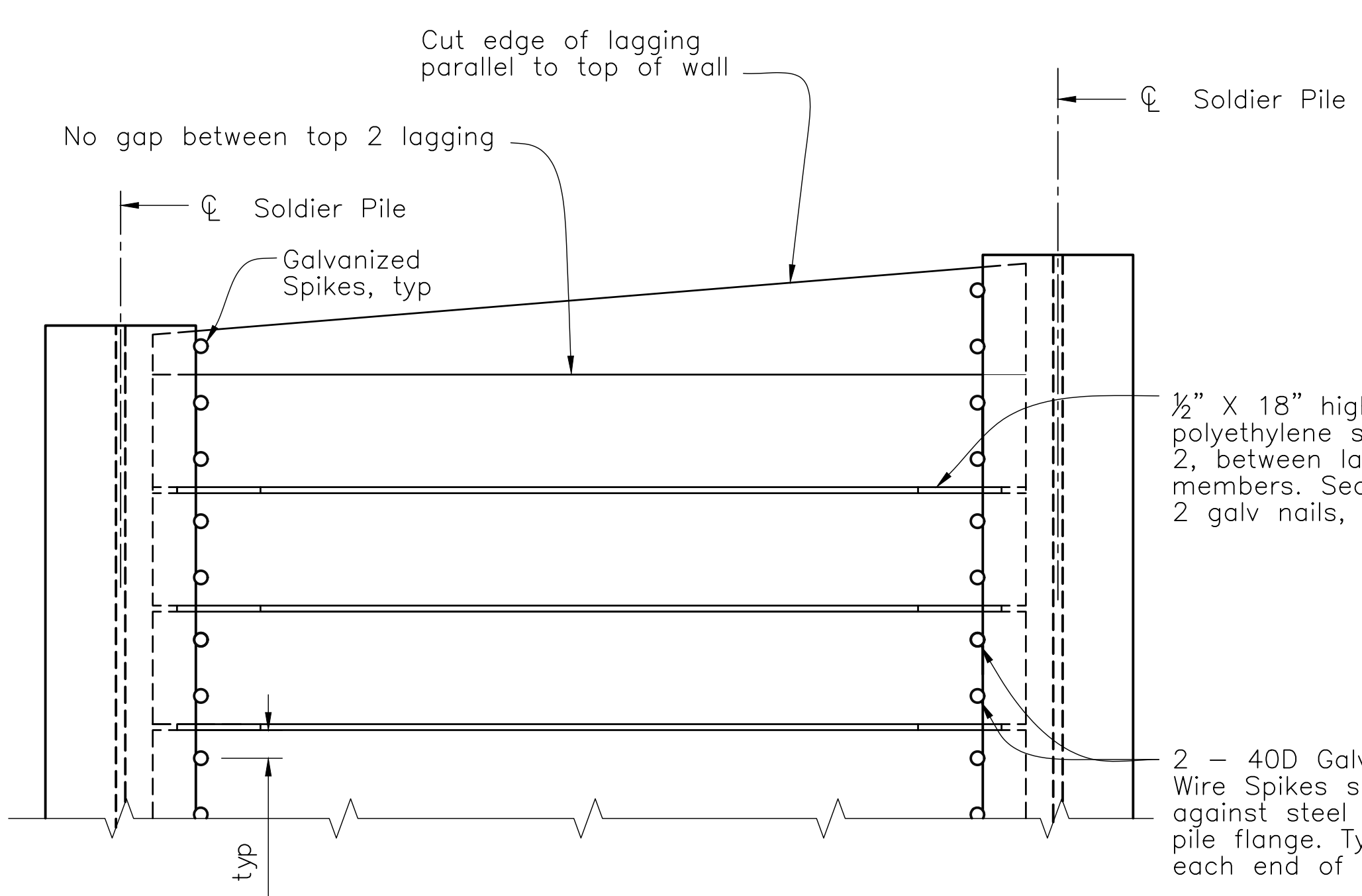
 55-B Plaza Circle,

 Salinas, California 93901

 (831) 775-0903

TIMBER LAGGING CHART

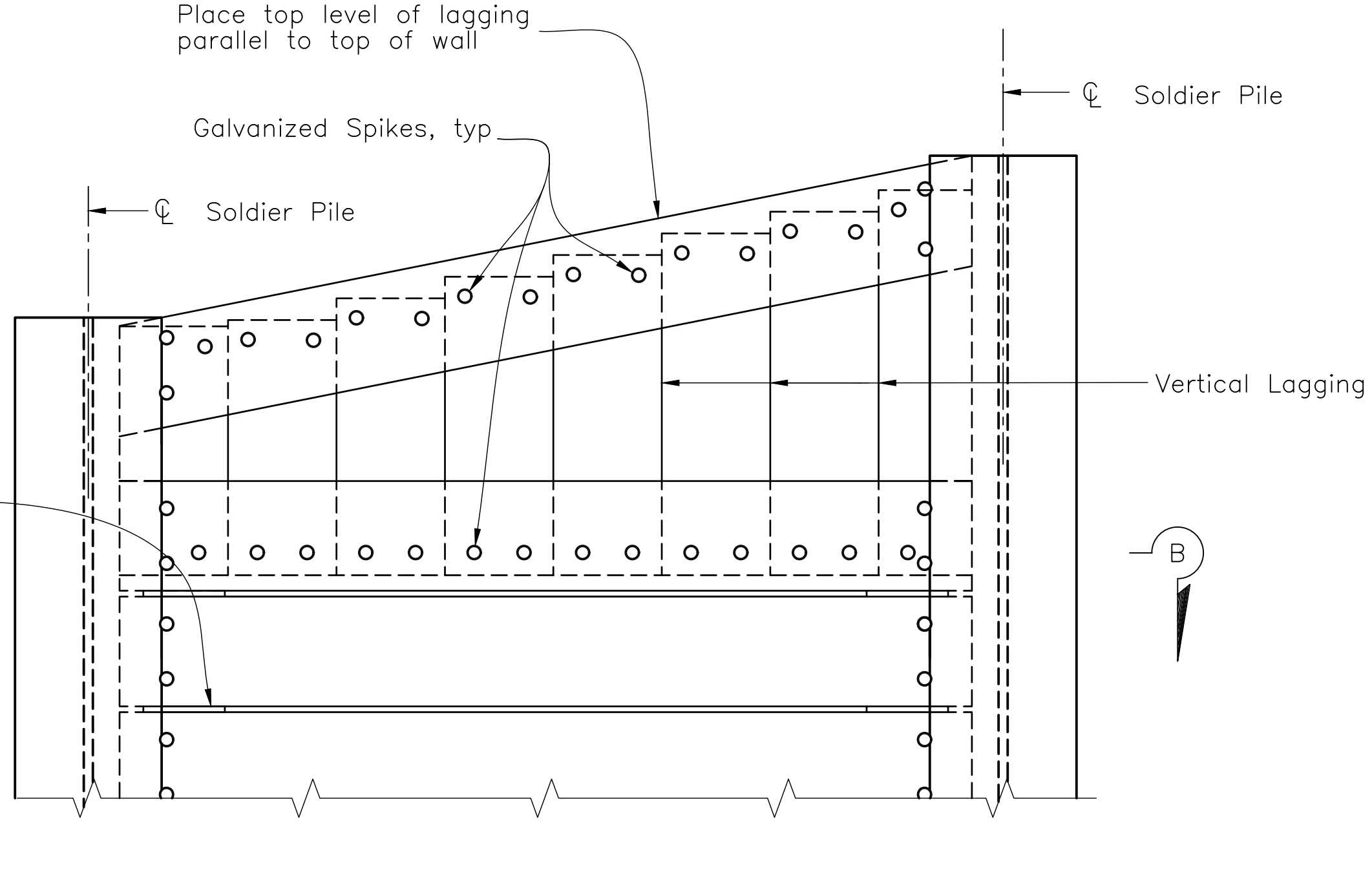
TIMBER LAGGING DATA		
Panel No.	Lagging Type	Bottom of Lagging Elevation
1	6x12	81.00'
2	6x12	82.00'
3	6x12	82.00'
4	6x12	82.00'
5	6x12	82.00'
6	6x12	82.00'
7	6x12	81.00'
8	6x12	80.50'
9	6x12	80.00'
10	6x12	80.00'
11	6x12	80.00'
12	6x12	80.50'
13	6x12	81.00'
14	6x12	81.50'
15	6x12	82.00'
16	6x12	82.50'
17	6x12	83.00'



PART ELEVATION

LAGGING DETAILS (ALTERNATIVE 1)

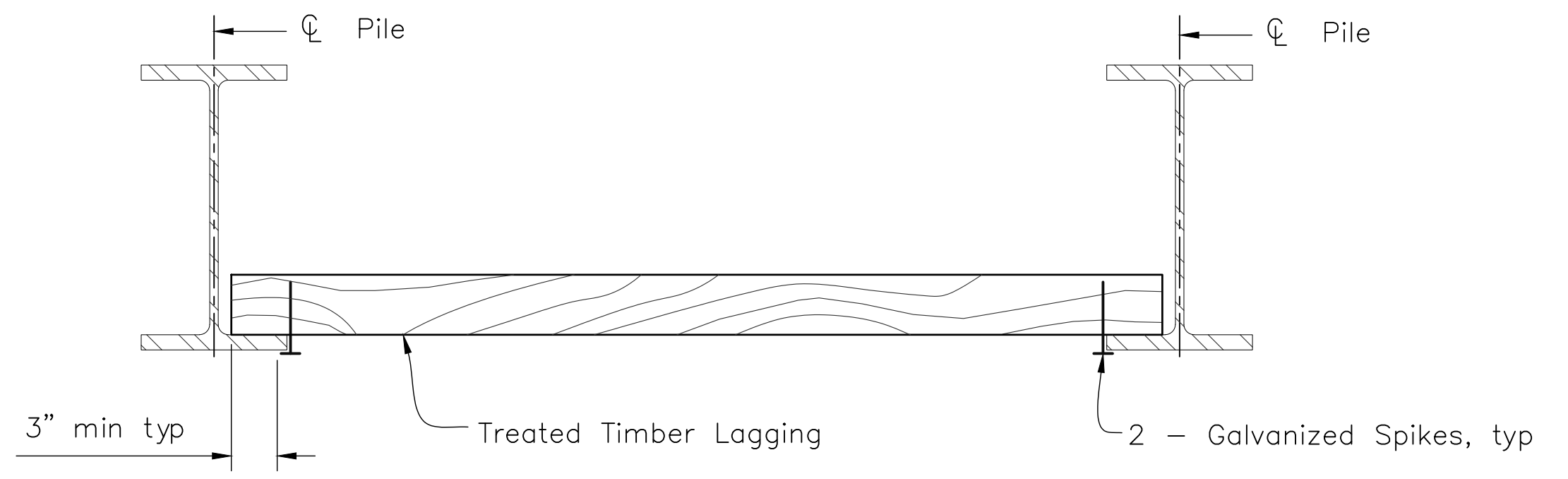
NO SCALE



PART ELEVATION

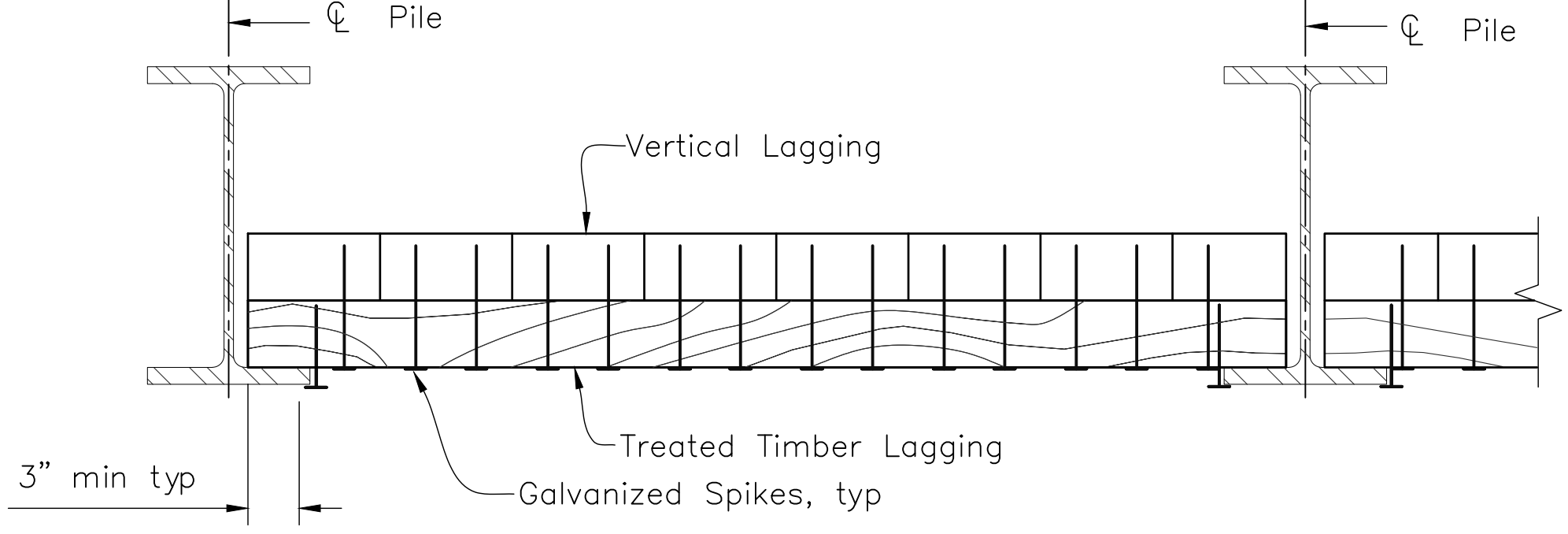
LAGGING DETAILS (ALTERNATIVE 2)

NO SCALE



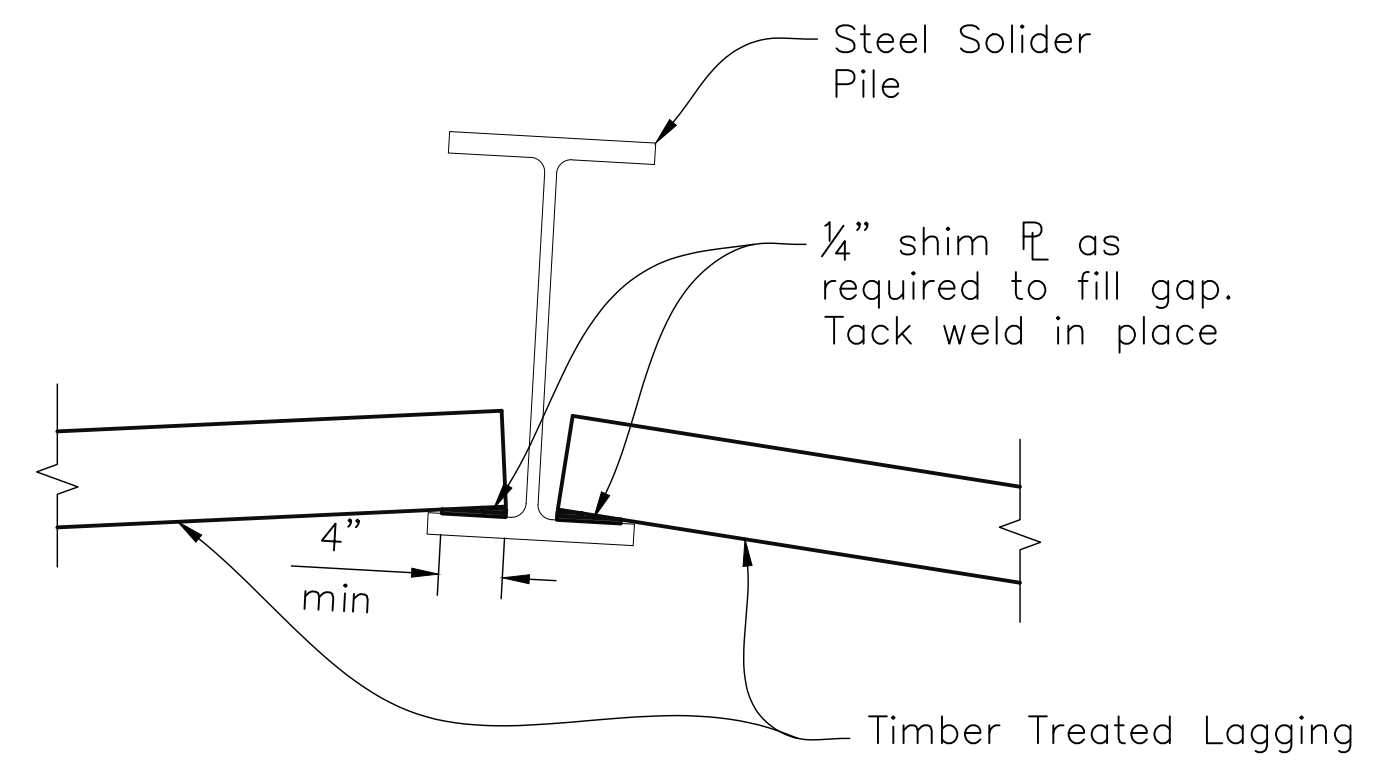
PART PLAN

NO SCALE



SECTION B-B

NO SCALE



LAGGING SHIM DETAIL

1" = 1'-0"

NOTE:
 The Contractor shall verify all controlling field dimensions prior to ordering or fabricating any materials.

- NOTES:
- No clipping of timber lagging corners allowed.
 - Use 40 d galv wire spikes for 6 x 12 lagging.
 - Spikes shall not be bent.
 - All plates, angles, and tees shall be hot-dipped galvanized. To repair damaged galvanized surfaces after welding, contractor to clean by thoroughly wire brushing damaged areas and removing loose and cracking coating. Cleaned areas to be painted with 2 applications of organic zinc rich primer from Caltrans Authorized Material List.


 DESIGN OVERSIGHT
 4/28/2023
 SIGN OFF DATE
 SAYGUNN LOW

DESIGN	BY N. Zermeno	CHECKED T. Eaton
DETAILS	BY D. Fagundes	CHECKED T. Eaton
QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

BRIDGE No.
 44-E0026
 PROJECT ENGINEER
 NARCISO R. ZERMENO

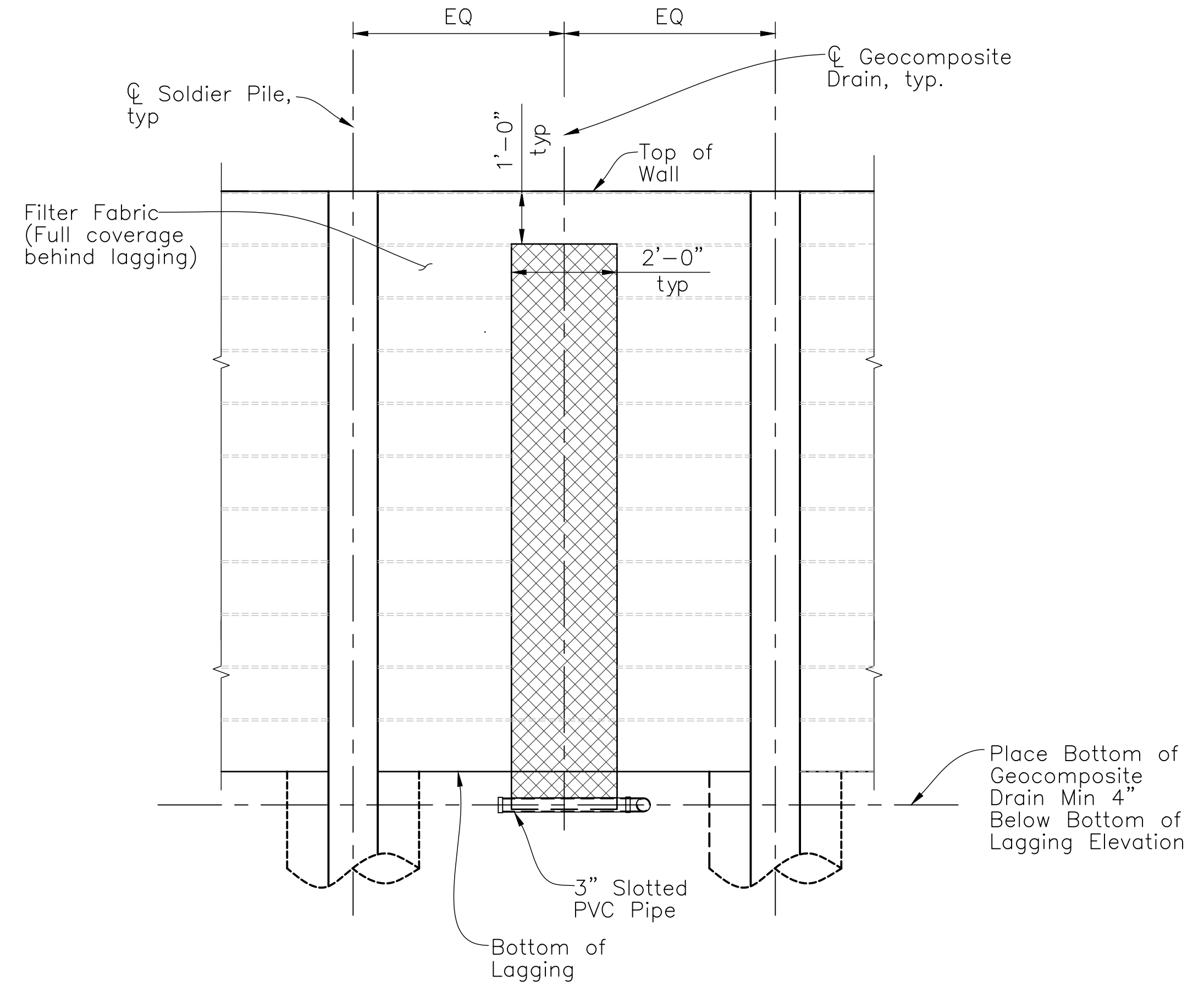
POST MILE
 0.9

RETAINING WALL NO. 1
RETAINING WALL DETAILS NO. 2

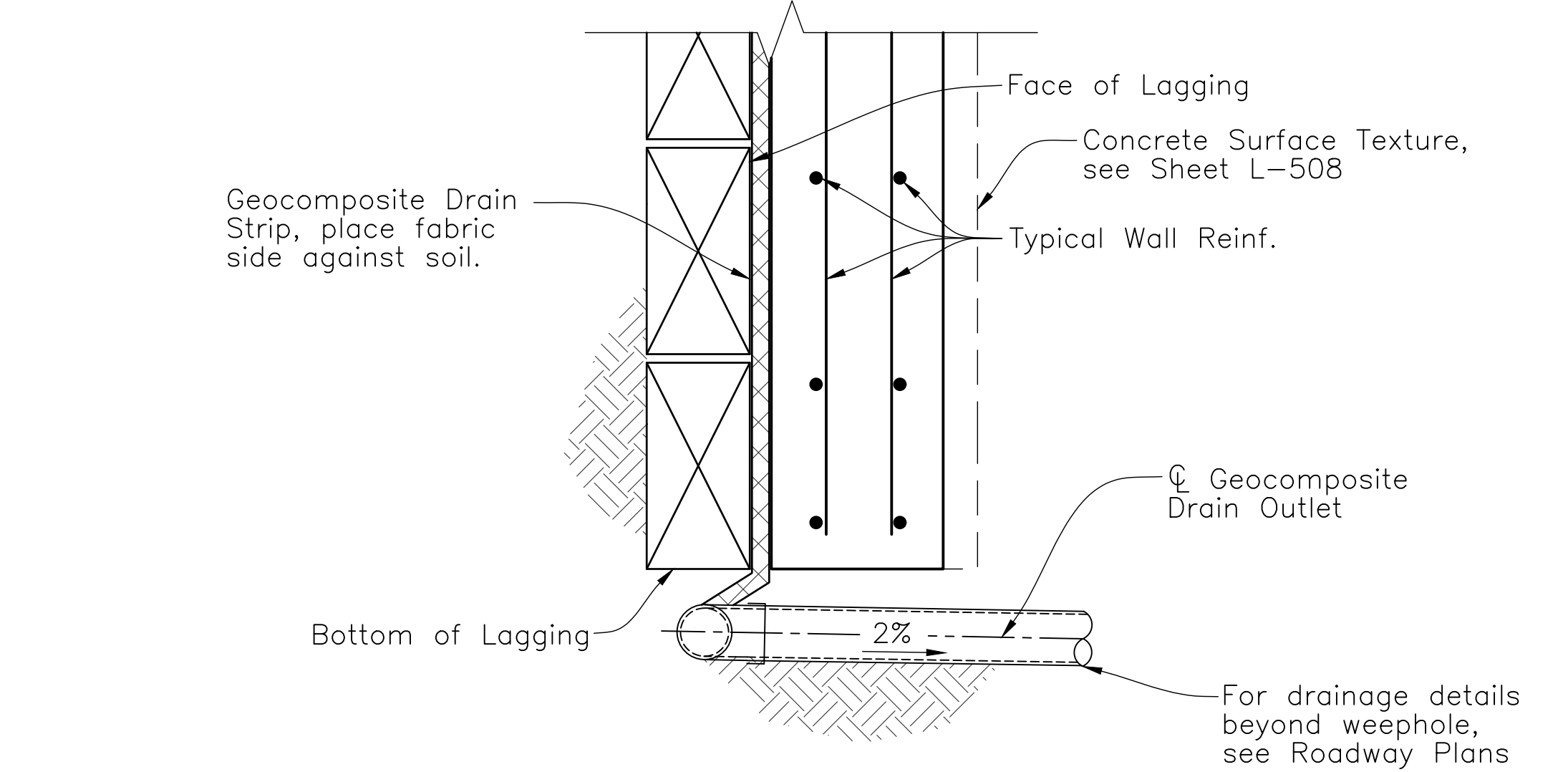
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	147	195

REGISTERED CIVIL ENGINEER **NARCISO R. ZERMENO** DATE **4/27/2023**
 PLANS APPROVAL DATE **4/28/2023**
 No. **S6783** EXP. **3/31/24**
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

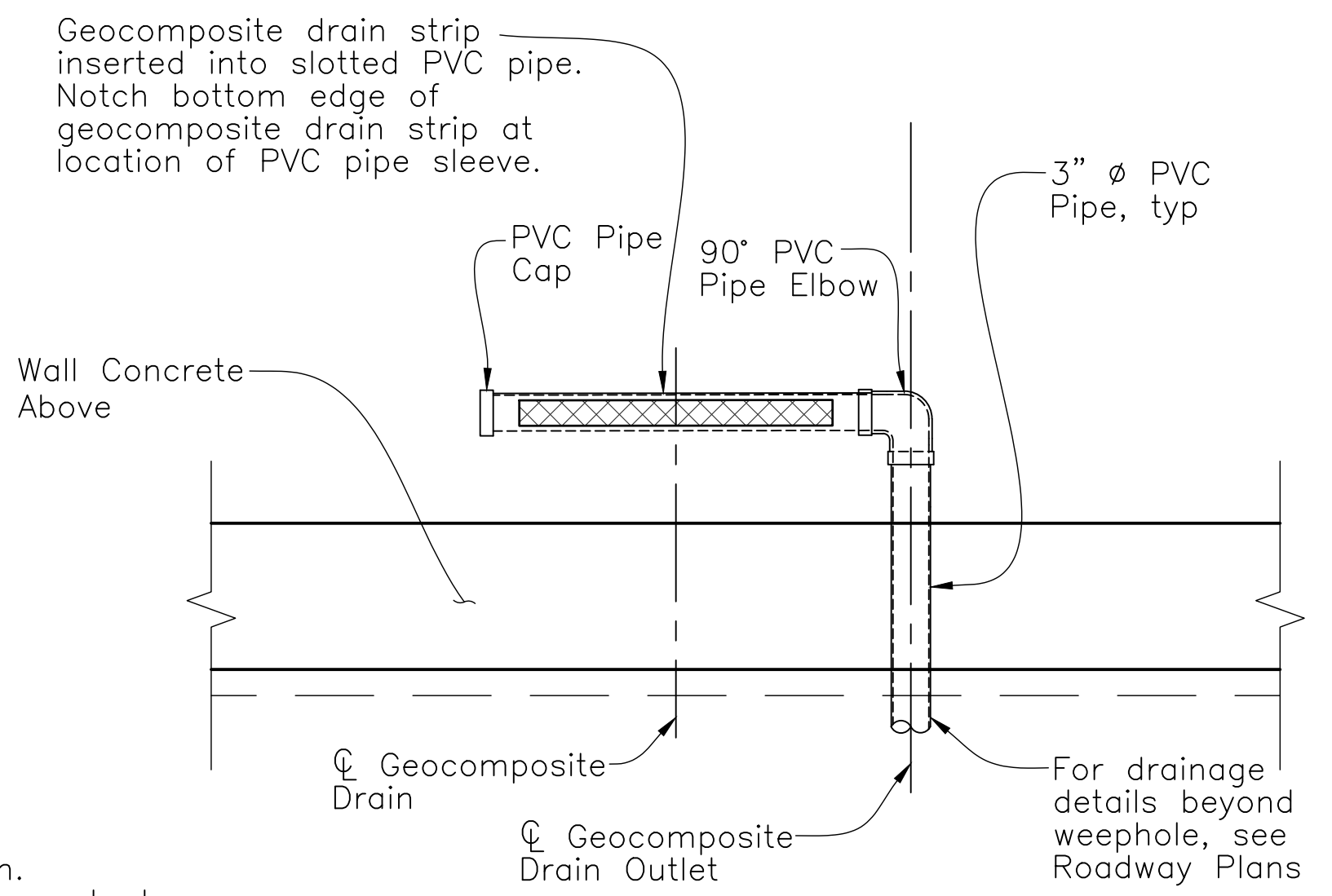
CORNERSTONE STRUCTURAL ENGINEERING GROUP
 986 W. Alluvial Ave, Suite 201
 Fresno, California 93711
 (559) 320-3200
 TRANSPORTATION AGENCY FOR MONTEREY COUNTY
 55-B Plaza Circle,
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DRAINAGE ELEVATION
NO SCALE

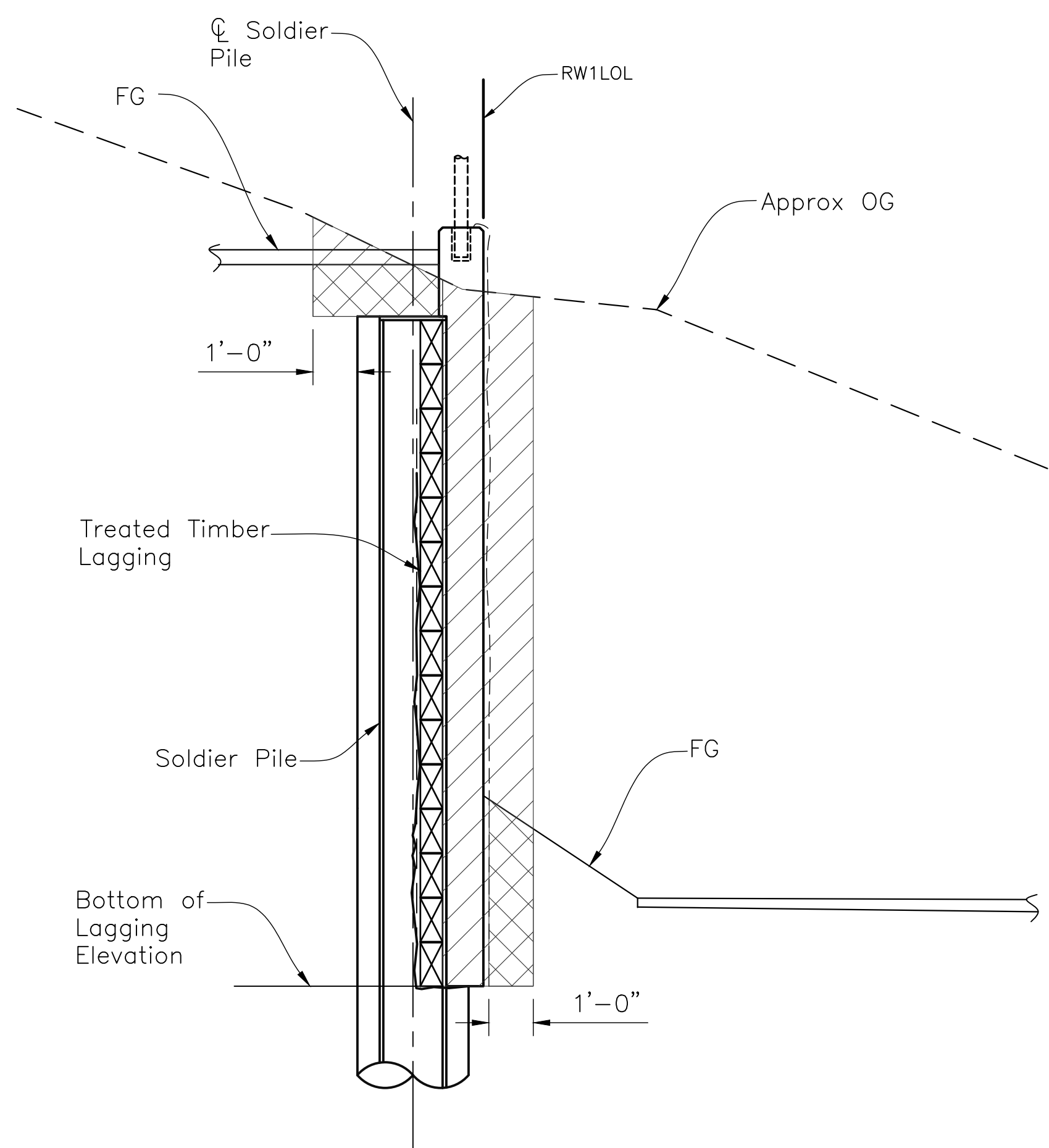


WALL DRAINAGE DETAIL AT WEEP HOLE
1 1/2" = 1'-0"

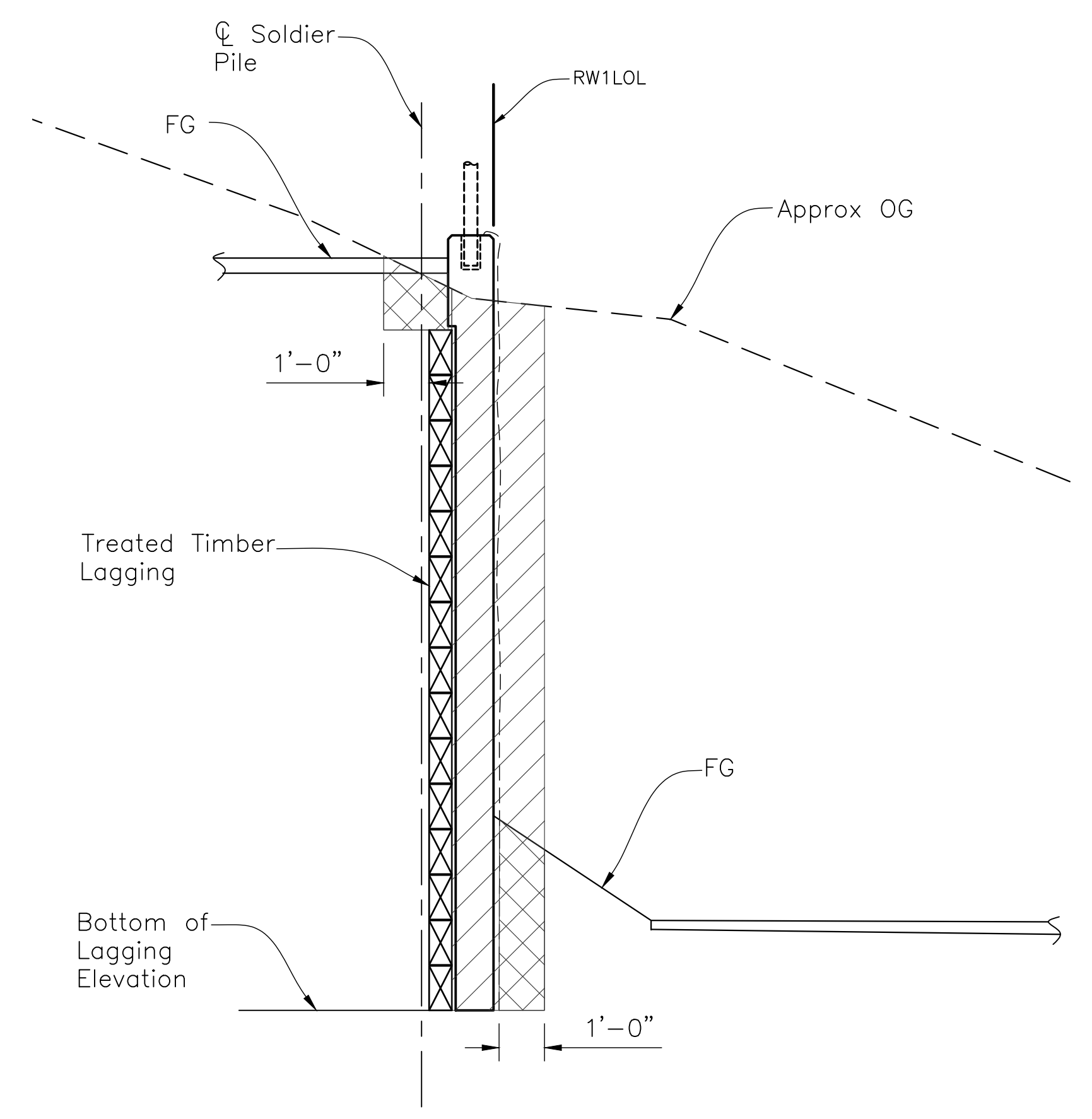


DRAINAGE CONNECTION DETAIL
1" = 1'-0"

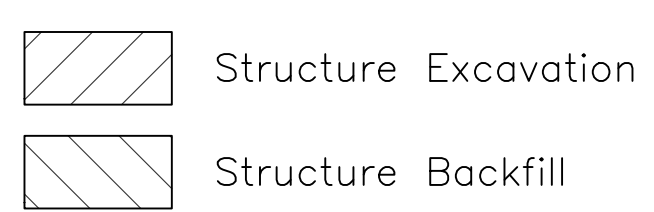
NOTES:
 1. Wall reinf. not shown.
 2. Timber Lagging above not shown.



TYPICAL SECTION AT SOLDIER PILE



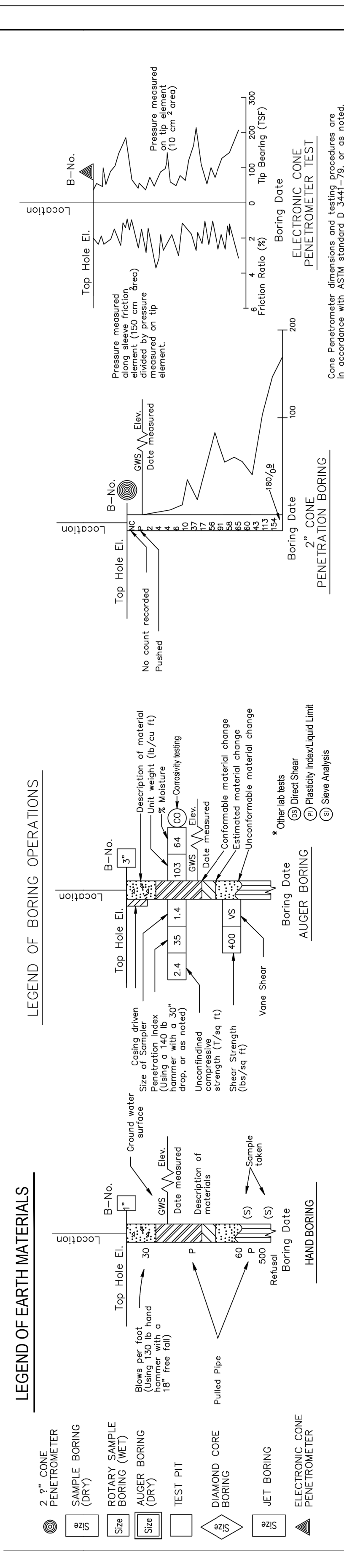
TYPICAL SECTION BETWEEN SOLDIER PILE



LIMITS OF STRUCTURE EXCAVATION AND BACKFILL
NO SCALE

NOTE:
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DESIGN OVERSIGHT SAYGUNN LOW 4/28/2023 SIGN OFF DATE	DESIGN	BY N. Zermeno	CHECKED T. Eaton	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	RETAINING WALL NO. 1 RETAINING WALL DETAILS NO. 3
	DETAILS	BY D. Fagundes	CHECKED T. Eaton		44-E0026	
	QUANTITIES	BY D. Fagundes	CHECKED K. De La Cruz		POST MILE 0.9	
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 8/16/2021)	DATE PLOTTED => \$DATE FILE => \$REQUEST	TIME PLOTTED => \$TIME USERNAME => \$USER	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	PROJECT NUMBER & PHASE: 0520000029	COUNTY/ROUTE: MON/218 CONTRACT No.: 05-1M570	DISREGARD PRINTS BEARING EARLIER REVISION DATES
			0 1 2 3			REVISION DATES 3/2/21 4/21/23 4/2/23 SHEET 6 OF 7



CONSISTENCY CLASSIFICATION FOR SOILS

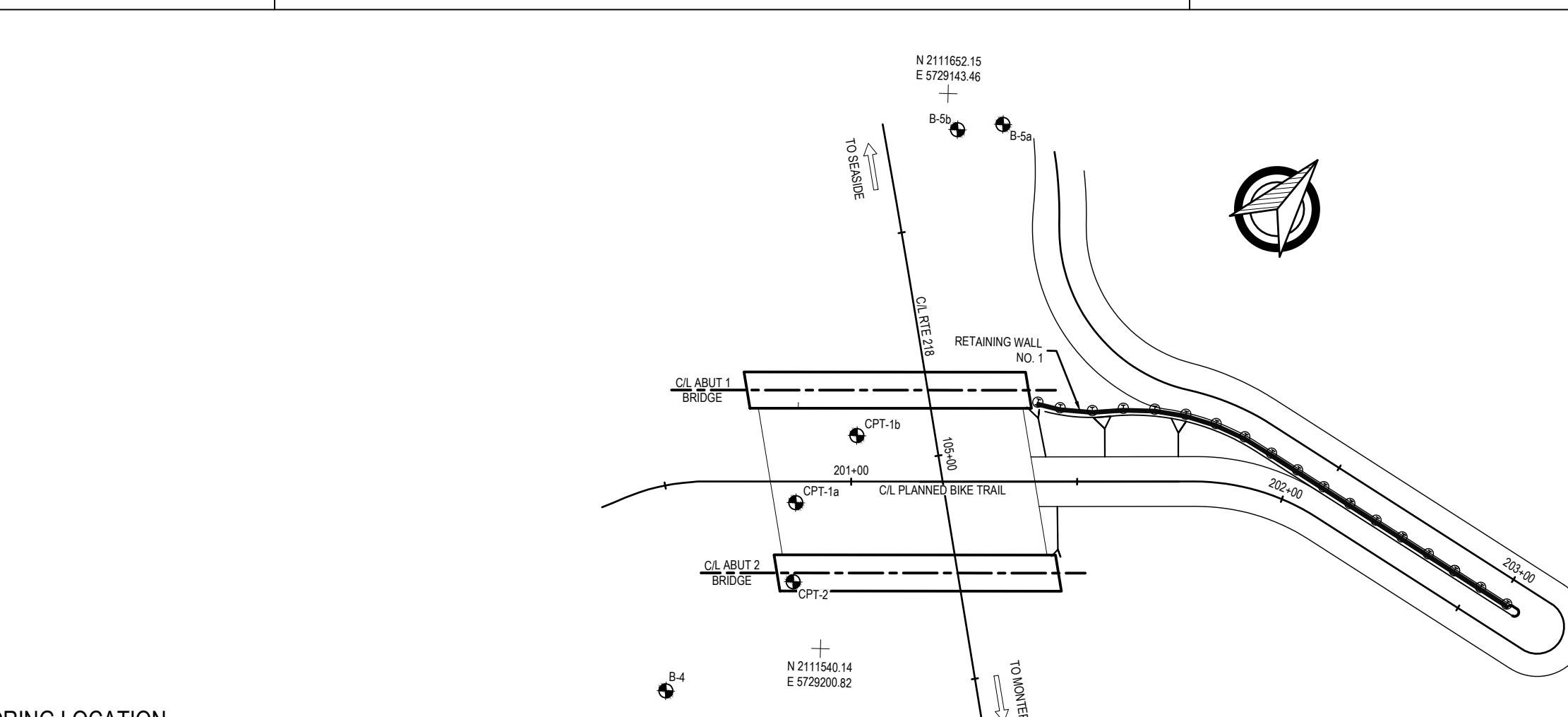
According to the Standard Penetration Test

SPT N-Value (Blows/foot)	Granular	SPT N-Value (Blows/foot)	Cohesive
0-4	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-30	Medium Dense	5-8	Firm
31-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		>31	Hard

LEGEND OF EARTH MATERIALS

SAND	SANDY SILT or SILTY SAND
SILT	SILTY CLAY or CLAYEY SILT
ELASTIC SILT	PEAT and/or ORGANIC MATTER
LEAN CLAY	
FAT CLAY	
SANDY CLAY or CLAYEY SAND	

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	MON	218	0.9	148	195

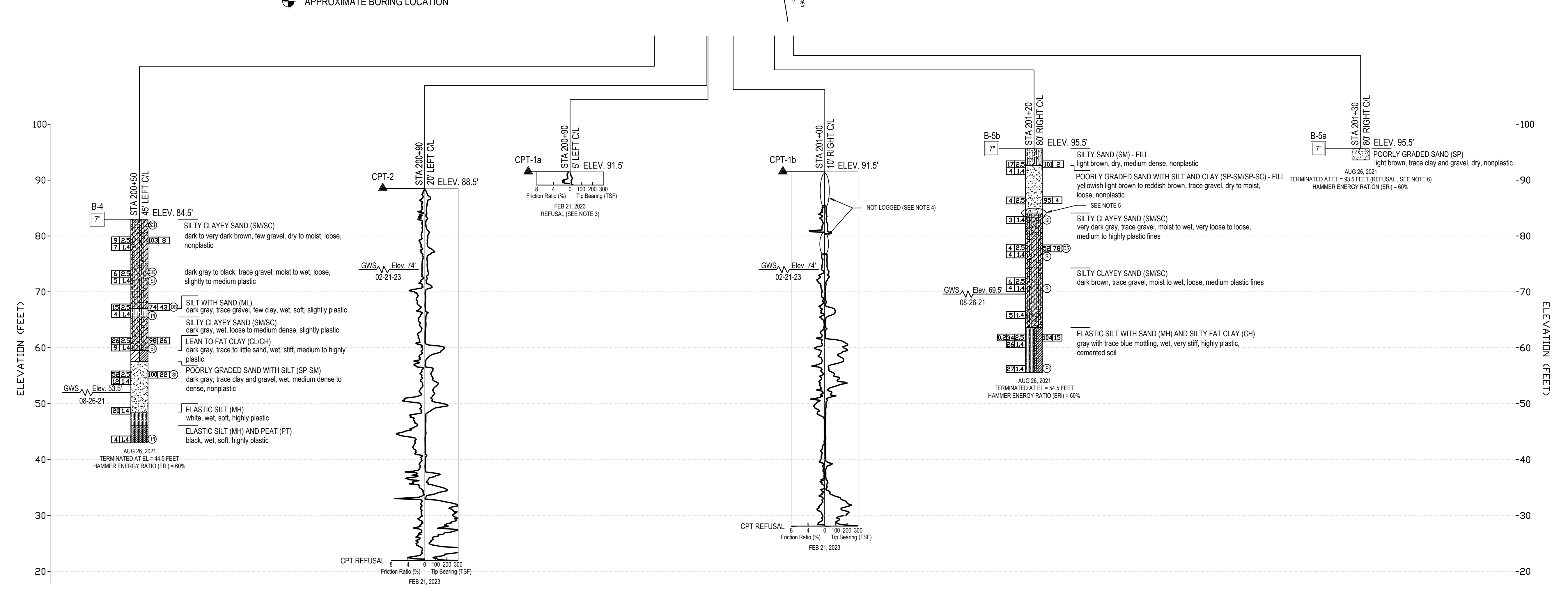
REGISTERED CIVIL ENGINEER
 DATE: 4/27/23
 PLANS APPROVAL DATE: 4/28/2023

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MC MILLEN JACOBS ASSOCIATES
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 (925) 839-5374

TRANSPORTATION AGENCY FOR MONTEREY COUNTY
 55-B Plaza Circle,
 Salinas, California 93901
 (831) 775-0903

REGISTERED PROFESSIONAL ENGINEER
 NORMAN A. JOYAL
 GE 449
 STATE OF CALIFORNIA














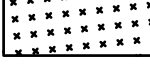

EROSION CONTROL NOTES

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- THESE PLANS PROVIDE BOTH THE MINIMUM LEVELS OF TEMPORARY WATER POLLUTION CONTROL DURING THE CONSTRUCTION OF THE PROJECT AS WELL AS THE EROSION CONTROL MEASURE THAT SHOULD BE TAKEN PRIOR TO SITE COMPLETION IN ORDER TO CONDITION THE SOIL, SEED, AND PROVIDE BIODEGRADABLE EROSION AND SEDIMENT CONTROLS NEEDED TO ACHIEVE SITE STABILIZATION.
- THE EROSION CONTROL, SEDIMENT CONTROL, AND POLLUTION CONTROL MEASURES SHOWN ON THESE PLANS ARE THE MINIMUM MEASURE THAT SHOULD BE TAKEN. THE CONTRACTOR SHALL MAKE ADJUSTMENTS/MODIFICATIONS TO ADDRESS ACTUAL SITE CONDITIONS AS DIRECTED BY THE ENGINEER AND IMPLEMENT ANY ADDITIONAL MODIFICATIONS AS DEFINED BY THE PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- ALL WATER POLLUTION CONTROL ITEMS SHALL CONFORM TO THE STORM WATER QUALITY HANDBOOK SPECIFICATIONS. SEE: <http://www.dot.ca.gov/hq/constuc/stormwater/manuals.htm>.
- NUMBER AND LOCATIONS OF TEMPORARY CONCRETE WASHOUTS SHOWN FOR INFORMATION ONLY. PAID FOR AS LUMP SUM.
- AN APPROVED TEMPORARY SEED MIX SHALL BE APPLIED TO GRADED SLOPES, EXPOSED SOIL SURFACES, AND NON-CONCRETE SWALES BEFORE RAINY SEASON. OTHERWISE, APPLY HYDROMULCH OR ANOTHER APPROVED TEMPORARY EROSION CONTROL MEASURE PER ENGINEER RECOMMENDATION AND/OR PROJECT SWPPP.
- THE EROSION CONTROL TYPES AND SEQUENCING REQUIREMENTS (AS SHOWN ON THIS SHEET), INCLUDING SOIL CONDITIONING, SEED MIX AND APPLICATION, AND ANY ROLLED EROSION CONTROL PRODUCTS AND/OR BIODEGRADABLE SEDIMENT CONTROL PRODUCTS SHALL BE APPLIED PRIOR TO SITE CLOSEOUT.

SHEET KEYNOTES

- PLANTS IDENTIFIED BY KEYNOTE IN SEED MIX 1 SHALL BE DRY SEEDED. SEED SHALL BE BROADCAST NO CLOSER THAN 4' FROM EDGE OF TRAIL.
- PRIOR TO HYDROSEEDING, SEED SPECIES IDENTIFIED IN KEYNOTE 1 SHALL BE DRY SEEDED PER SPECIFICATIONS AND KEYNOTE 1.

LEGEND

-  TEMPORARY CONSTRUCTION ENTRANCE TC-1
-  TEMPORARY INLET PROTECTION SC-10
-  CONCRETE WASHOUT WM-8
-  TEMPORARY STOCKPILE WM-3
-  TEMPORARY MATERIAL STORAGE WM-1
-  TEMPORARY FIBER ROLLS
-  TEMPORARY SILT FENCE (HIGH VISIBILITY ORANGE)
-  TEMPORARY FENCE (TYPE ESA)
-  TEMPORARY CHECK DAMS
-  EROSION CONTROL TYPE 1
-  EROSION CONTROL TYPE 2
-  EROSION CONTROL TYPE 3
-  EROSION CONTROL TYPE 4

EROSION CONTROL TYPE 1					
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	DEPTH
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	MEDIUM	270 CY/ACRE	2"
STEP 2	INCORPORATE MATERIALS	-	-	-	6"
STEP 3	HYDROSEED	SEED	MIX 1	38.75 LB/ACRE	-
		FIBER	CELLULOSE	500 LB/ACRE	-
STEP 4	HYDROMULCH	FIBER	WOOD	2,000 LB/ACRE	-
		TACKIFIER	GUAR	150 LB/ACRE	-

EROSION CONTROL TYPE 2					
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	DEPTH
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	MEDIUM	270 CY/ACRE	2"
STEP 2	INCORPORATE MATERIALS	-	-	-	4"
STEP 3	HYDROSEED	SEED	MIX 1	38.75 LB/ACRE	-
		FIBER	CELLULOSE	500 LB/ACRE	-
STEP 3	HYDROMULCH	FIBER	WOOD	2,000 LB/ACRE	-
		TACKIFIER	GUAR	150 LB/ACRE	-
STEP 5	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE B	-	-

EROSION CONTROL TYPE 3					
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	DEPTH
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	MEDIUM	270 CY/ACRE	2"
STEP 2	INCORPORATE MATERIALS	-	-	-	6"
STEP 3	HYDROSEED	SEED	MIX 2	38.75 LB/ACRE	-
		FIBER	CELLULOSE	500 LB/ACRE	-
STEP 4	HYDROMULCH	FIBER	WOOD	2,000 LB/ACRE	-
		TACKIFIER	GUAR	150 LB/ACRE	-
STEP 5	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE B	-	-

EROSION CONTROL TYPE 4					
SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	DEPTH
		DESCRIPTION	TYPE		
STEP 1	HYDROSEED	SEED	MIX 2	38.75 LB/ACRE	-
		FIBER	CELLULOSE	500 LB/ACRE	-
STEP 2	HYDROMULCH	FIBER	WOOD	2,000 LB/ACRE	-
		TACKIFIER	GUAR	150 LB/ACRE	-
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE B	-	-

SEED MIX 1

AREA: 1.02 AC

BOTANICAL NAME / COMMON NAME	PERCENT GERMINATION (MINIMUM)	BROADCAST RATES (#LBS./ACRE)	SEEDS REQUIRED (#LBS./ACRE)
ARTEMISIA CALIFORNICA / CALIFORNIA SAGEBRUSH	80%	0.05	0.05
BACCHARIS PILULARIS / COYOTE BUSH	80%	0.05	0.05
LUPINUS ALBIFRONS / SILVER BUSH LUPINE	80%	16.00	16.30
ESCHSCHOLZIA CALIFORNICA / CALIFORNIA POPPY	80%	2.25	2.30
LAYIA PLATYGLOSSA / TINY TIPS	80%	1.50	1.50
LUPINUS BICOLOR / MINIATURE LUPINE	80%	5.0	5.10
BROMUS CARINATUS / CALIFORNIA BROME	80%	14.50	14.80
ELYMUS GLAUCUS / BLUE WILD RYE	80%	7.25	7.40
ELYMUS TRITICOIDES / CREEPING WILDRYE	80%	4.00	4.10
FESTUCA MICROSTACHYS / SMALL FESCUE	80%	3.00	3.10
TOTAL		53.60	54.70

SEED MIX 2

AREA: 0.09 AC

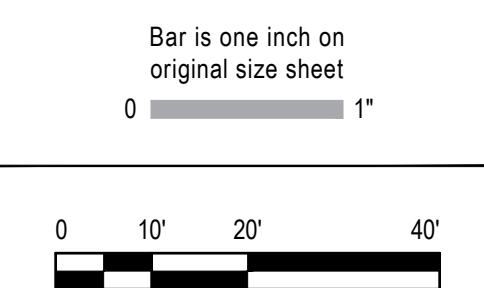
BOTANICAL NAME / COMMON NAME	PERCENT GERMINATION (MINIMUM)	BROADCAST RATES (#LBS./ACRE)	SEEDS REQUIRED (#LBS./ACRE)
CLAYTONIA PERFOLIATA / MINER'S LETTUCE	80%	0.50	0.05
CAREX BARBARAE / SANTA BARBARA SEDGE	80%	2.25	0.20
ELEOCHARIS MACROSTACHYA / COMMON SPIKERUSH	80%	1.00	0.1
JUNCUS EFFUSUS / COMMON RUSH	80%	0.10	0.01
DANTHONIA CALIFORNICA / CALIFORNIA OATGRASS	80%	11.00	1.00
DESCHAMPSIA CESPITOSA / TUFTED HAIRGRASS	80%	0.50	0.05
DISTICHLIS SPICATA / SALTGRASS	80%	1.75	0.15
TOTAL		17.10	1.56

2

2

1

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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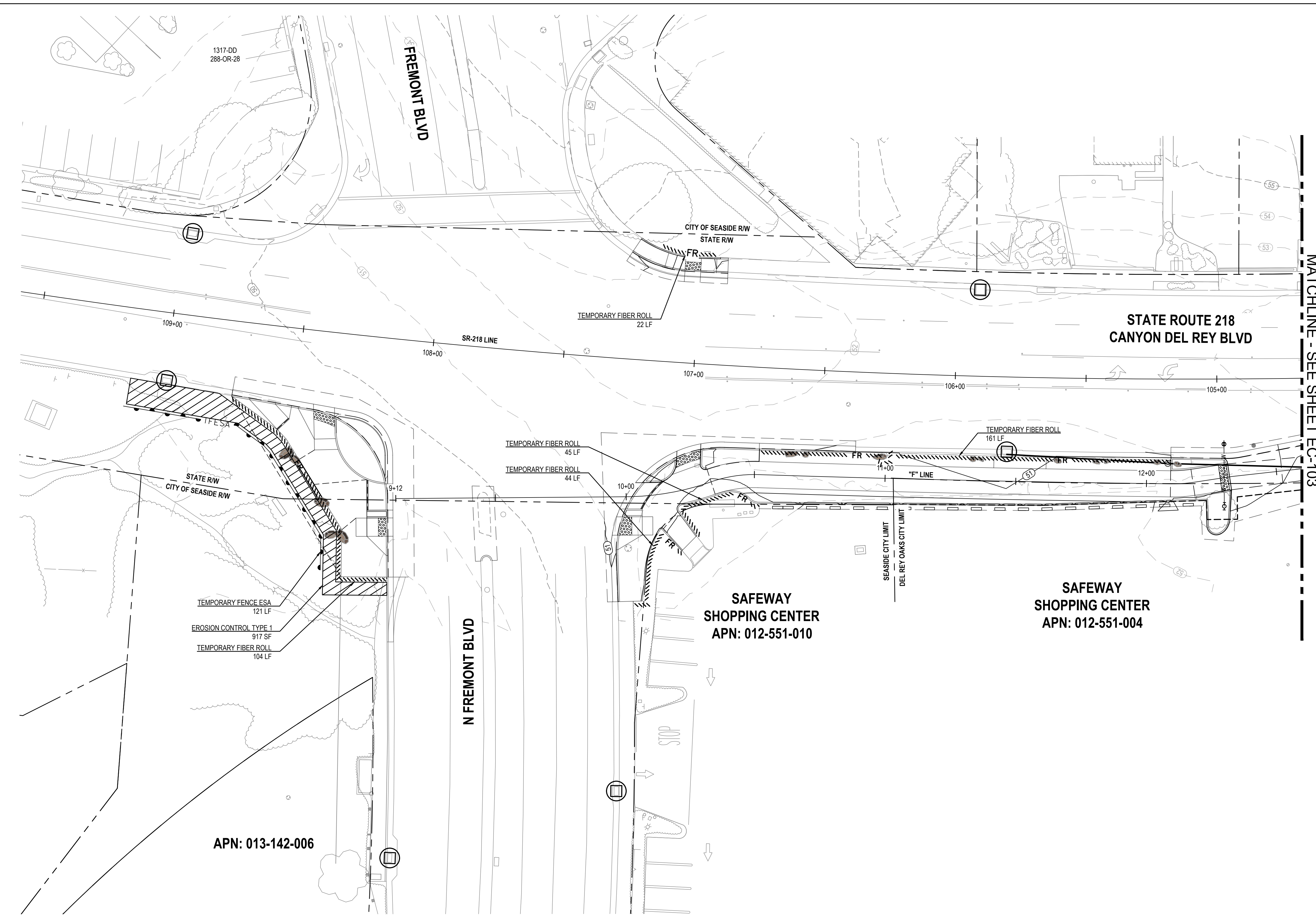
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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

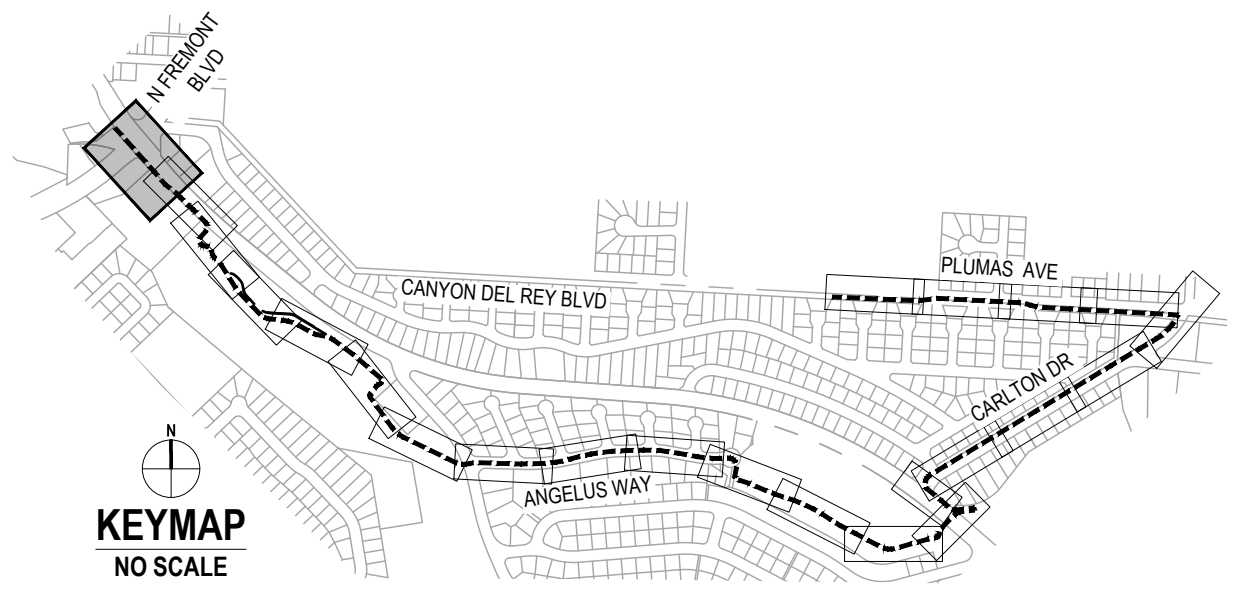
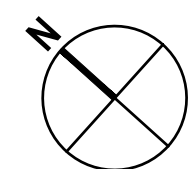
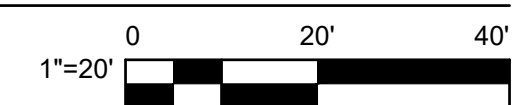
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Size	ANSI D
Status Code	
Sheet No.	EC-101
Sheet	149 of 195

- SHEET GENERAL NOTES**
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 - SEE EROSION CONTROL LEGEND SHEET FOR LEGEND, SEED MIX, AND EROSION CONTROL TYPES.
 - INSTALL TEMPORARY CONSTRUCTION FENCING PER SPECIFICATIONS AND TEMPORARY HIGH VISIBILITY FENCING PER TREE REMOVAL PLAN.

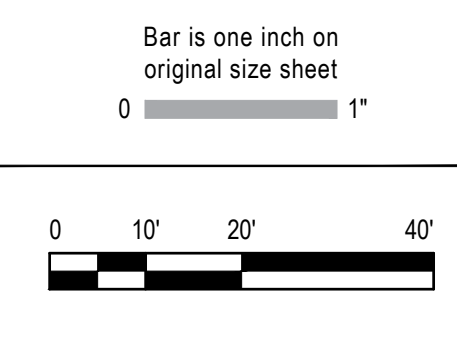


MATCHLINE - SEE SHEET EC-103

1 EROSION CONTROL PLAN



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Designer	CO	Design Check	SG	Project Director
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Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **EROSION CONTROL PLAN - 1**

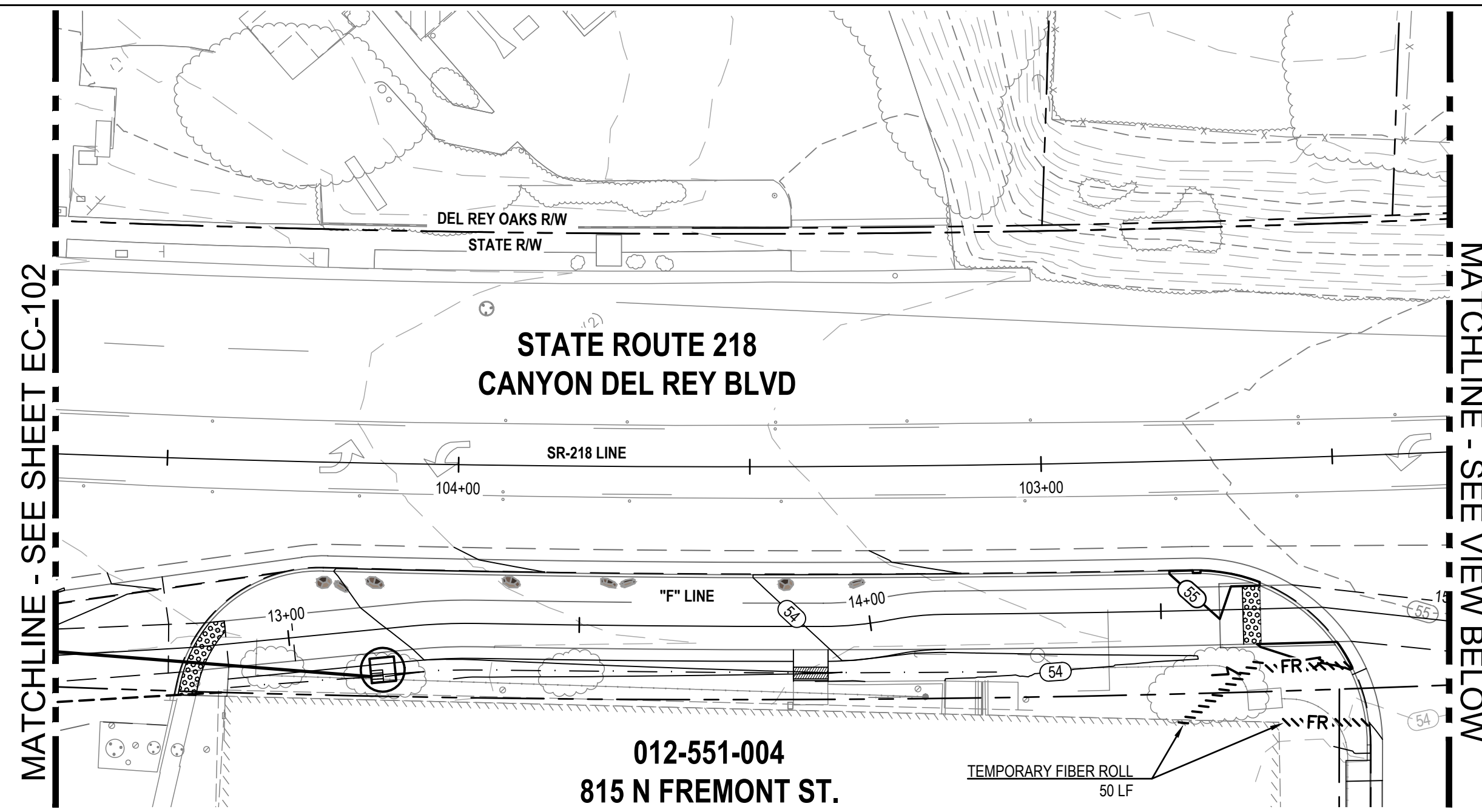
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Status Code

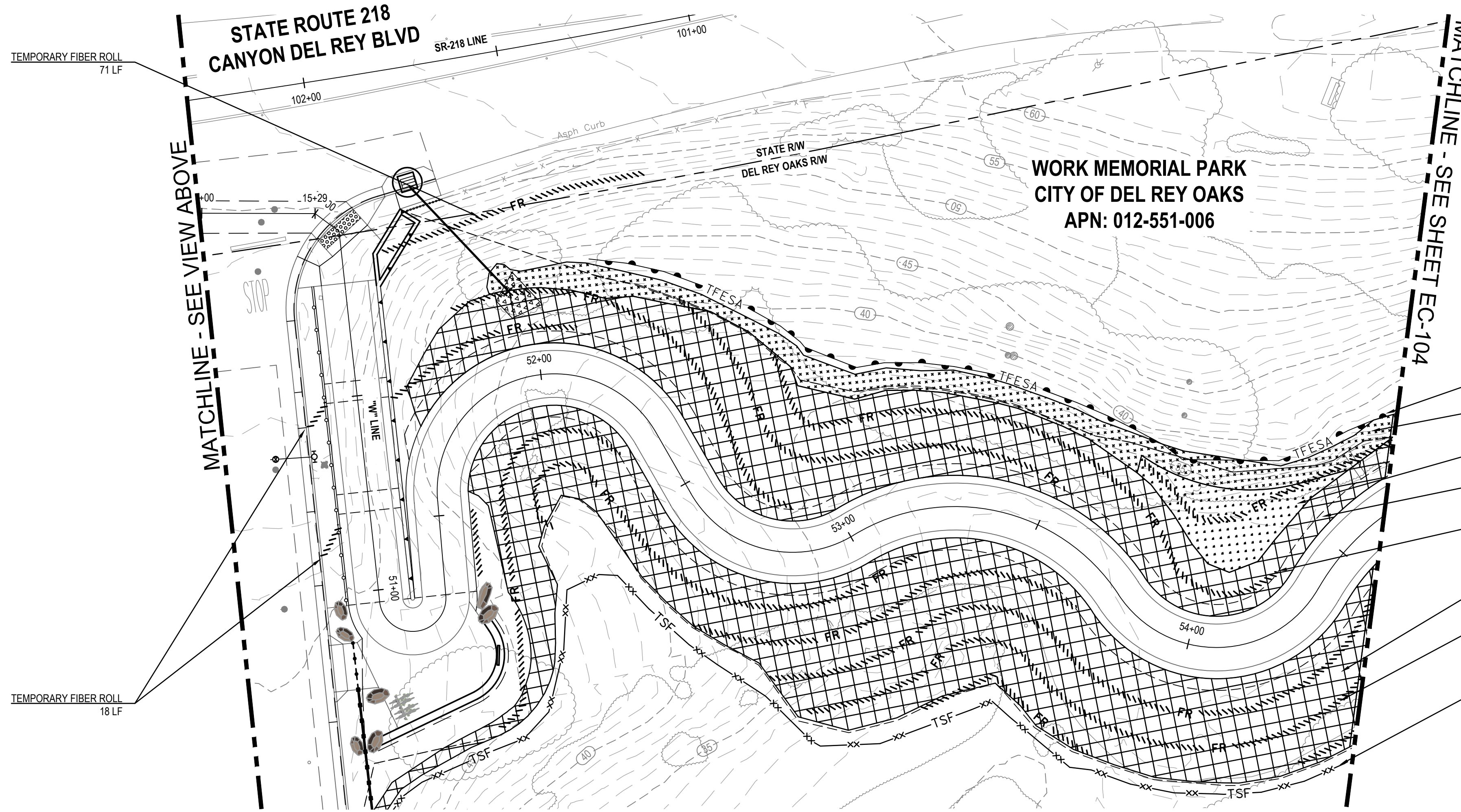
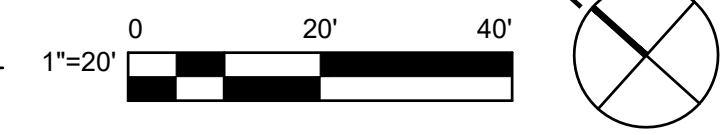
Sheet No. **EC-102** Sheet **150 of 195**

SHEET GENERAL NOTES

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2. SEE EROSION CONTROL LEGEND SHEET FOR LEGEND, SEED MIX, AND EROSION CONTROL TYPES.
3. INSTALL TEMPORARY CONSTRUCTION FENCING PER SPECIFICATIONS AND TEMPORARY HIGH VISIBILITY FENCING PER TREE REMOVAL PLAN.



1 EROSION CONTROL PLAN



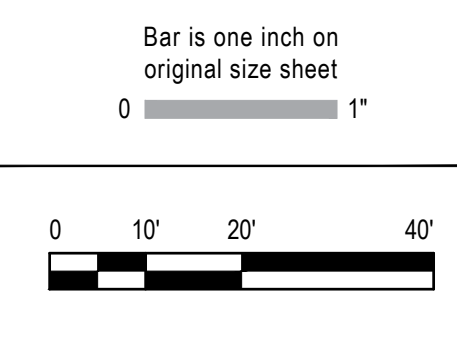
2 EROSION CONTROL PLAN



- TEMPORARY FENCE ESA
220 LF
- EROSION CONTROL TYPE 3
1445 SF
- EROSION CONTROL TYPE 4
630 SF
- EROSION CONTROL TYPE 2
5220 SF
- TEMPORARY FIBER ROLL
532 LF
- EROSION CONTROL TYPE 2
7677 SF
- TEMPORARY FIBER ROLL
764 LF
- TEMPORARY SILT FENCE
317 LF



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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **EROSION CONTROL PLAN - 2**

ANSI D

Status Code

Sheet No. **EC-103**

Sheet 151 of 195

SHEET GENERAL NOTES

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2. SEE EROSION CONTROL LEGEND SHEET FOR LEGEND, SEED MIX, AND EROSION CONTROL TYPES.
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TEMPORARY FENCE ESA
340 LF
EROSION CONTROL TYPE 3
738 SF
TEMPORARY FIBER ROLL
160 LF
EROSION CONTROL TYPE 2
1814 SF

**WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006**

TEMPORARY FIBER ROLL
60 LF
EROSION CONTROL TYPE 2
465 SF
EROSION CONTROL TYPE 3
306 SF

MATCHLINE - SEE SHEET EC-103

MATCHLINE - SEE VIEW BELOW

1 EROSION CONTROL PLAN



TEMPORARY FENCE ESA
170 LF
EROSION CONTROL TYPE 2
3442 SF
TEMPORARY FIBER ROLL
532 LF
EROSION CONTROL TYPE 3
606 SF

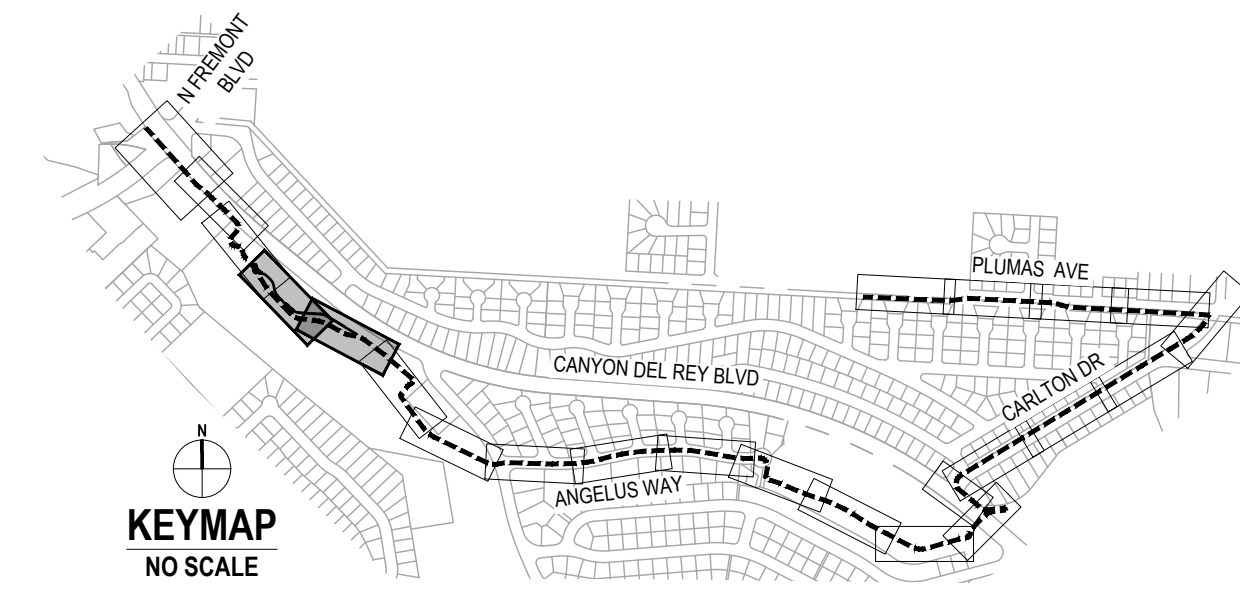
**WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006**

TEMPORARY FENCE ESA
225 LF

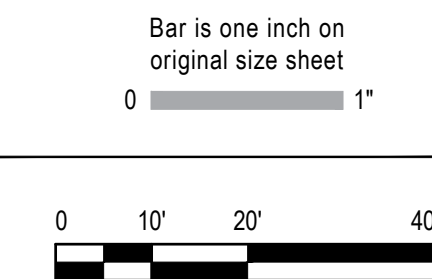
MATCHLINE - SEE VIEW ABOVE

MATCHLINE - SEE SHEET EC-105

2 EROSION CONTROL PLAN



No.	Issue	Author	Checked	Approved	Date
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		CO	SG	K. VEDULA	



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Project FORTAG TRAIL PROJECT	Title EROSION CONTROL PLAN - 3		

Size
ANSI D

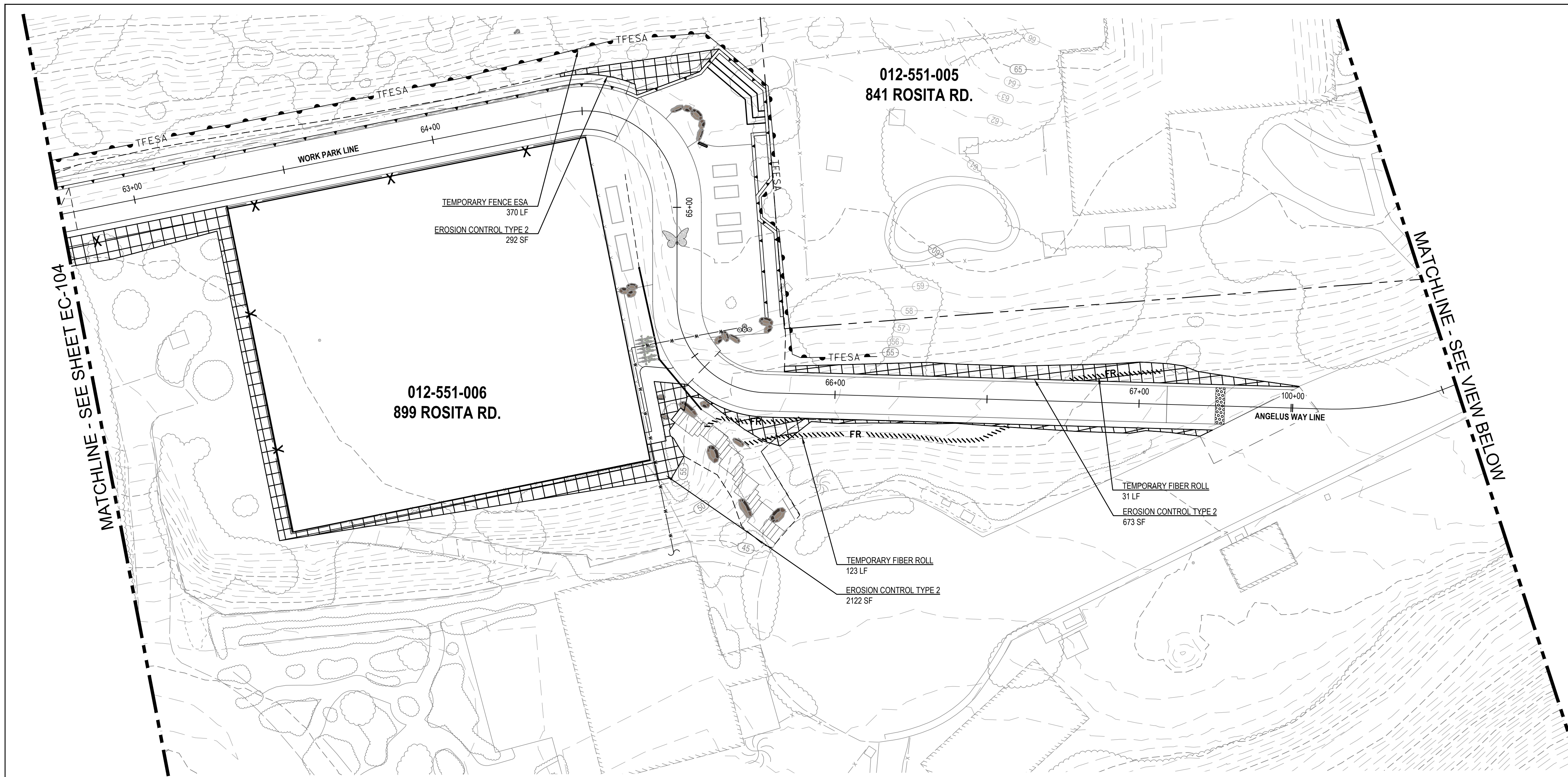
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EC-104

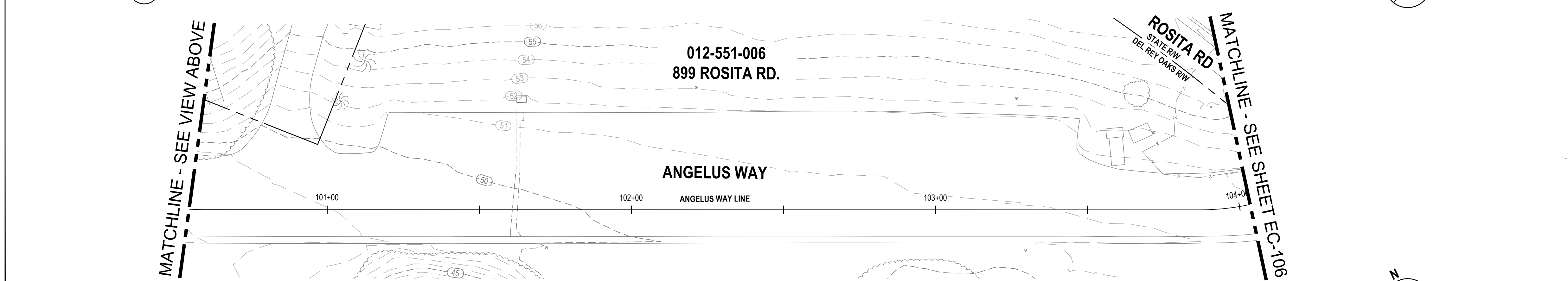
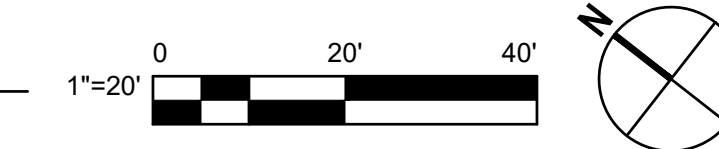
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152 of 195

SHEET GENERAL NOTES

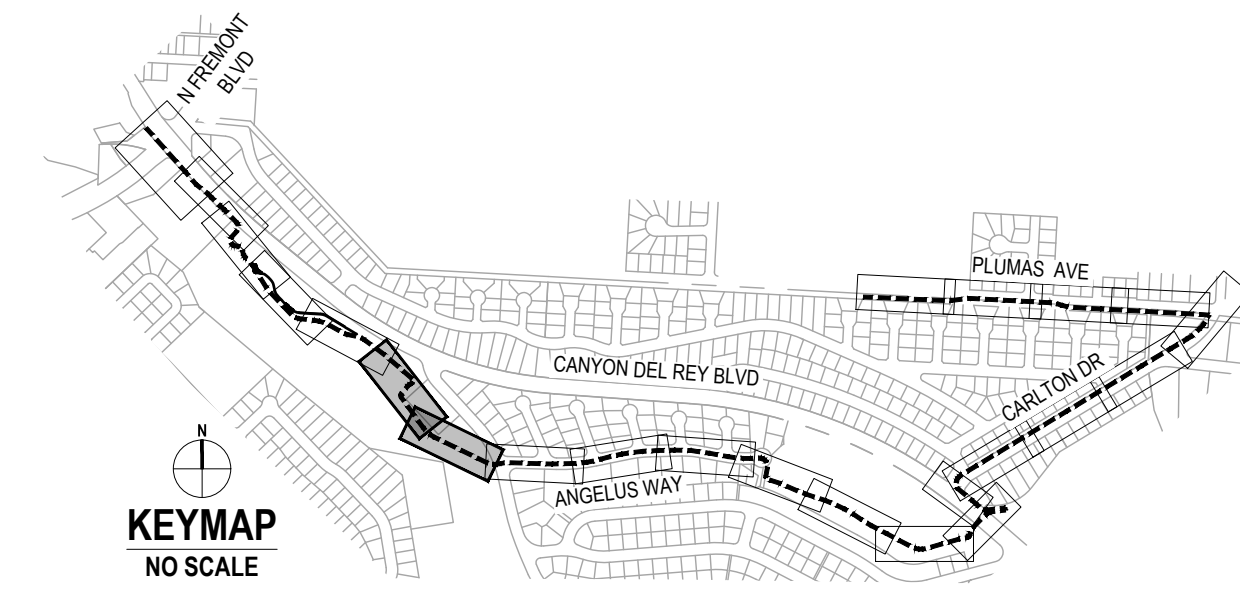
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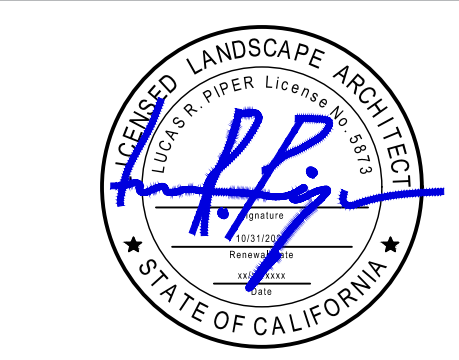
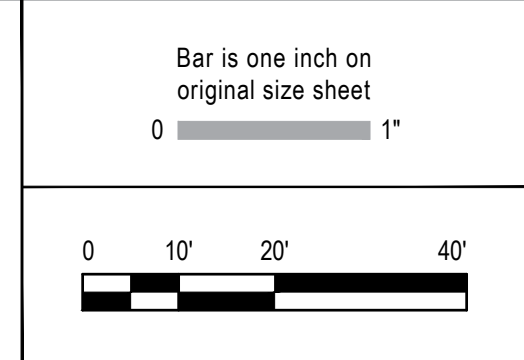
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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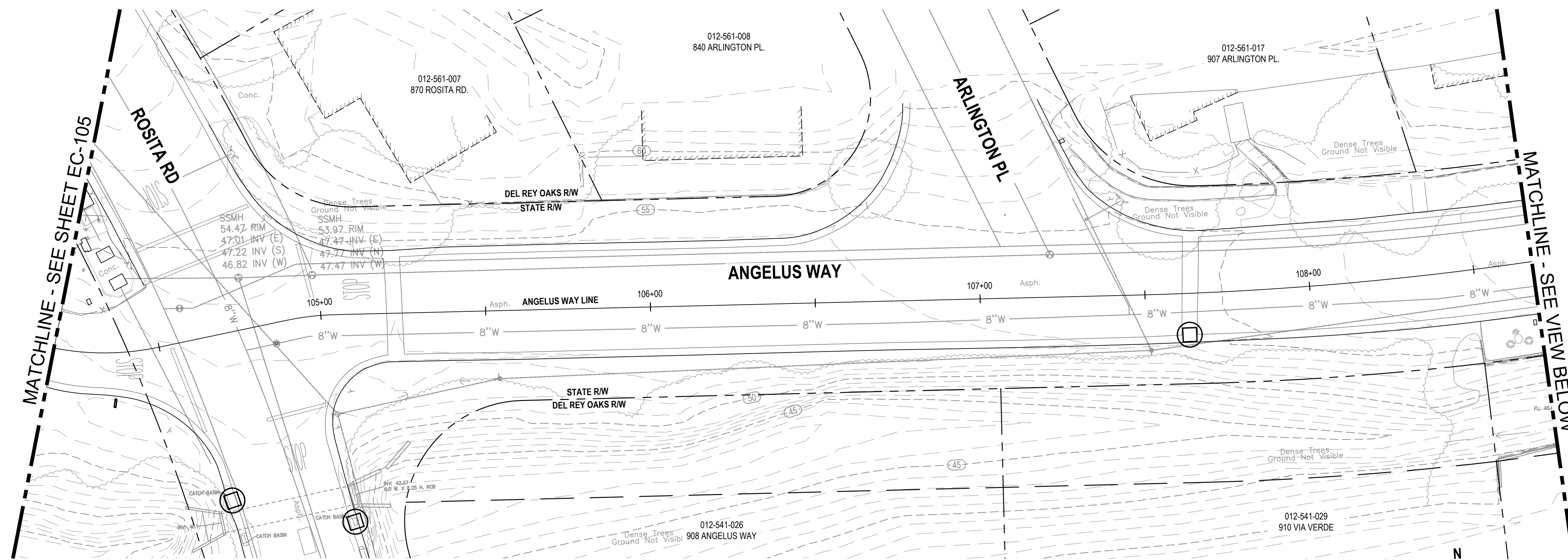


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
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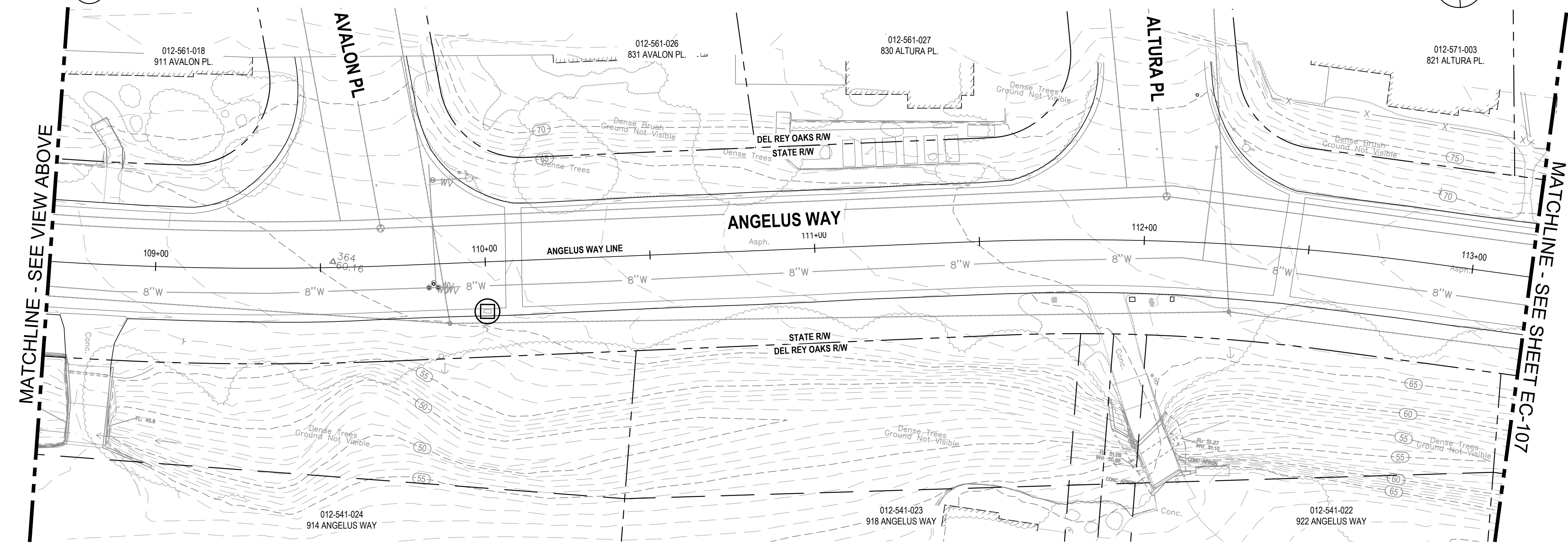
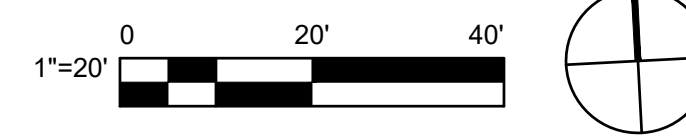
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Sheet No.	EC-105
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SHEET GENERAL NOTES

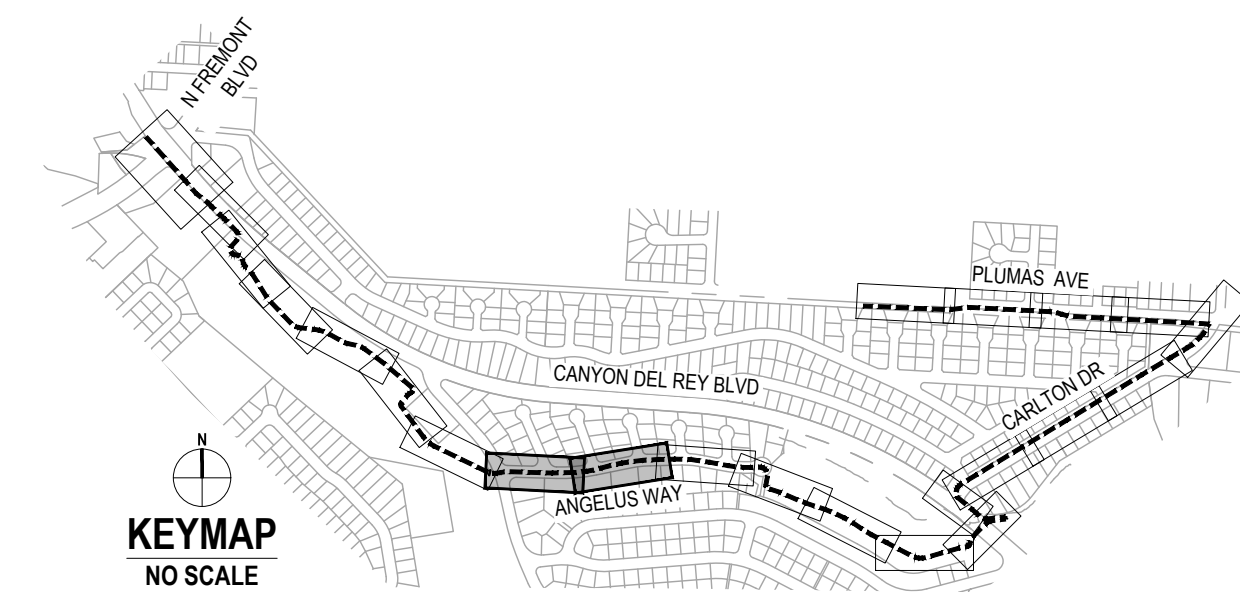
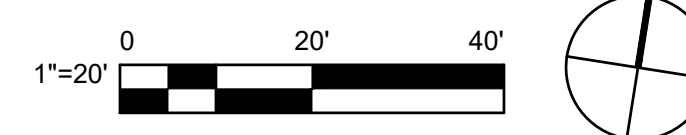
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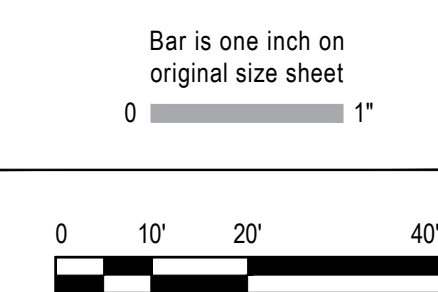
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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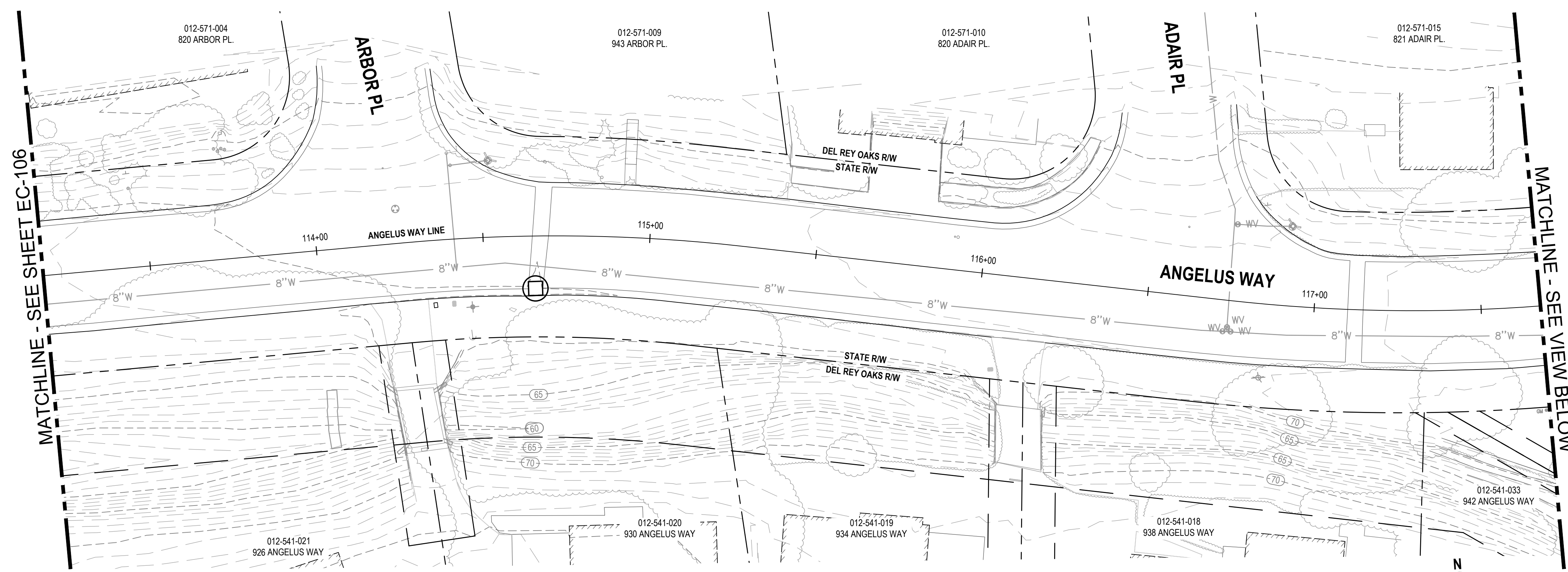


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

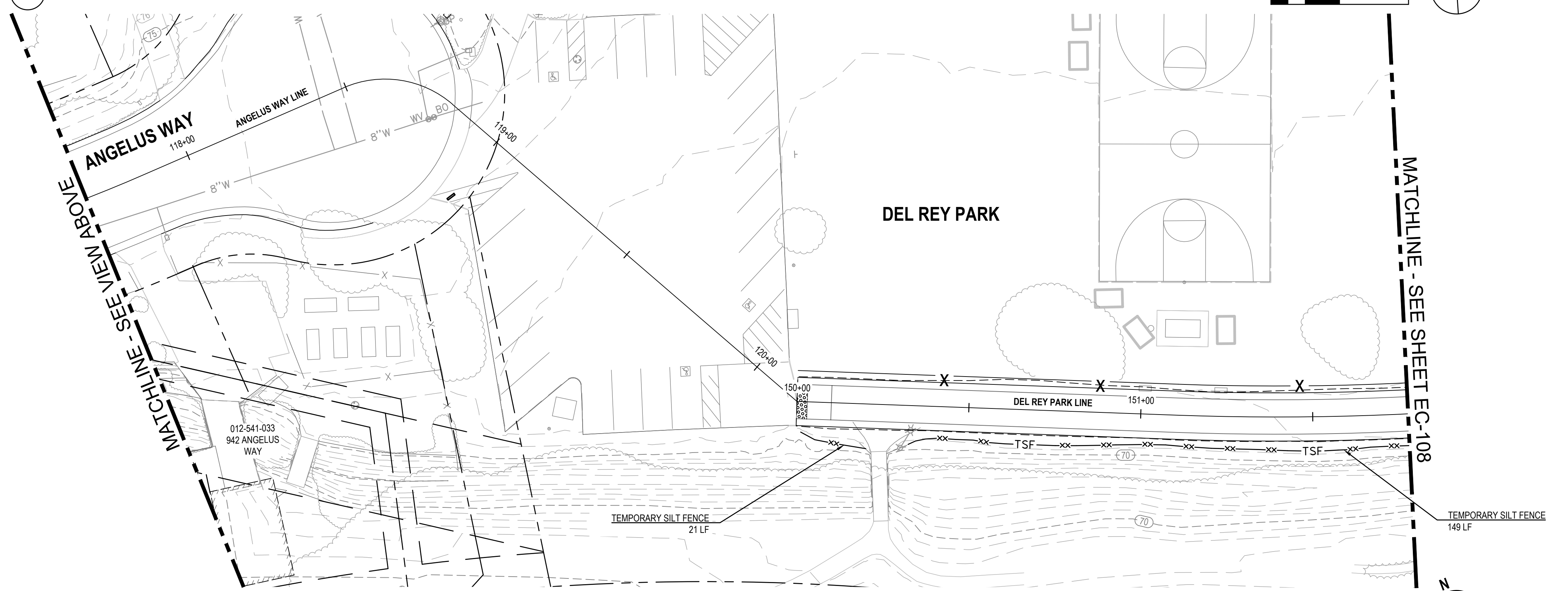
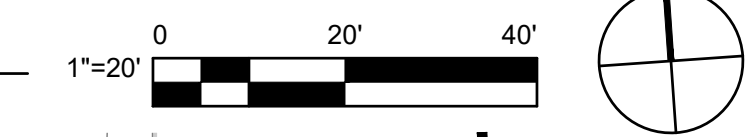
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Sheet No.	EC-106
Sheet	154 of 195
Status Code	

SHEET GENERAL NOTES

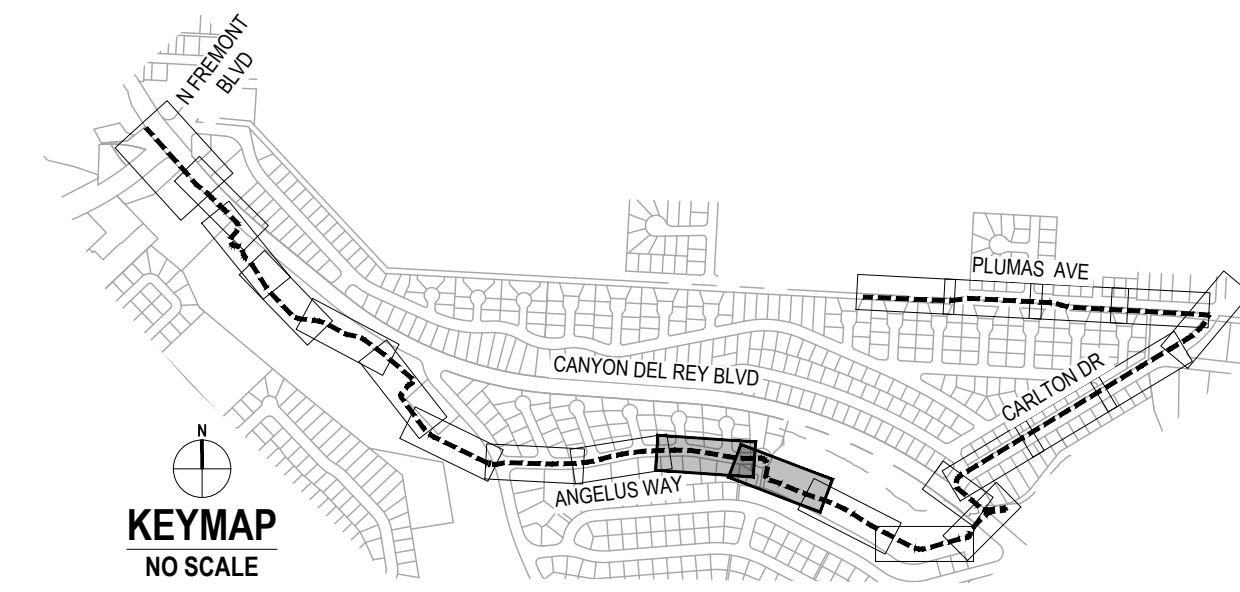
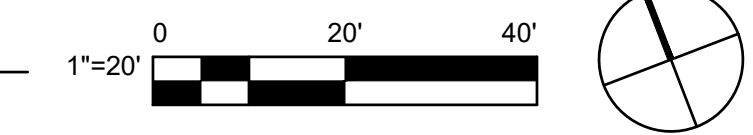
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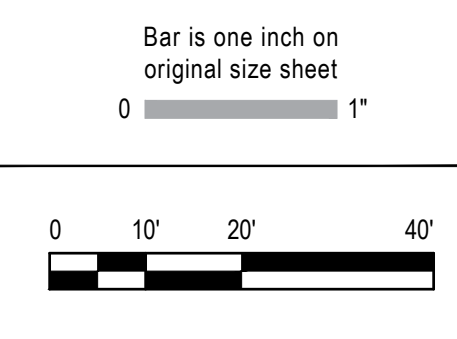
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



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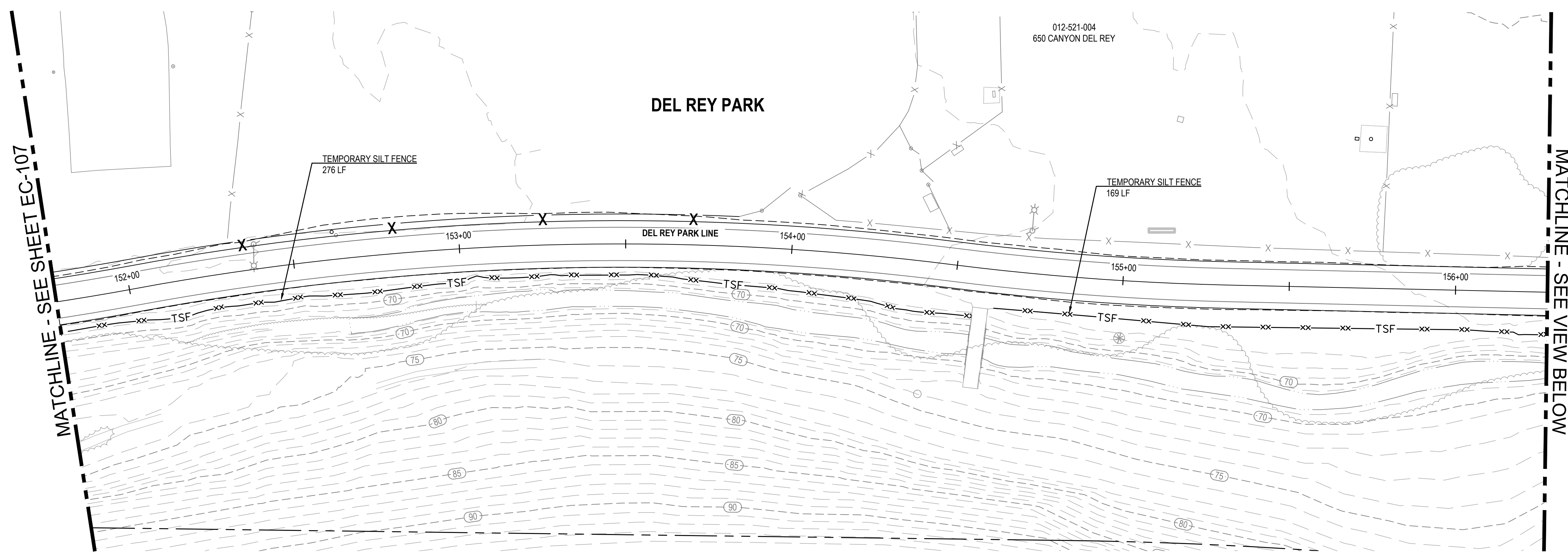
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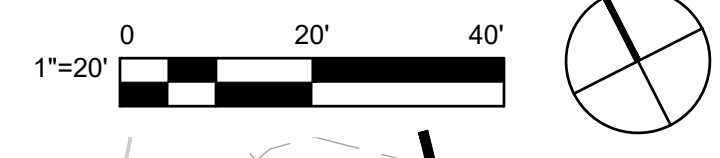
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
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Title	EROSION CONTROL PLAN - 6
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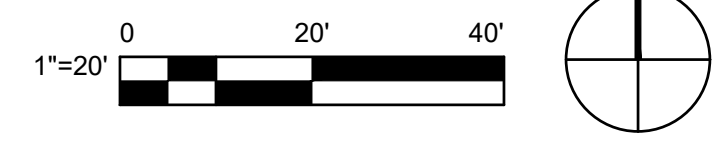
- SHEET GENERAL NOTES**
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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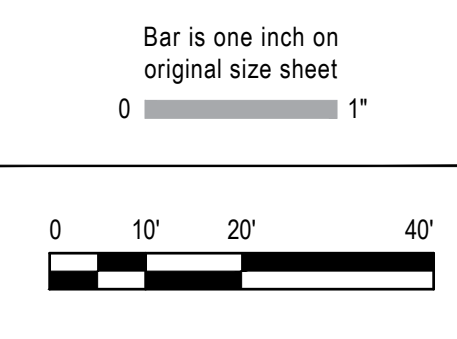
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



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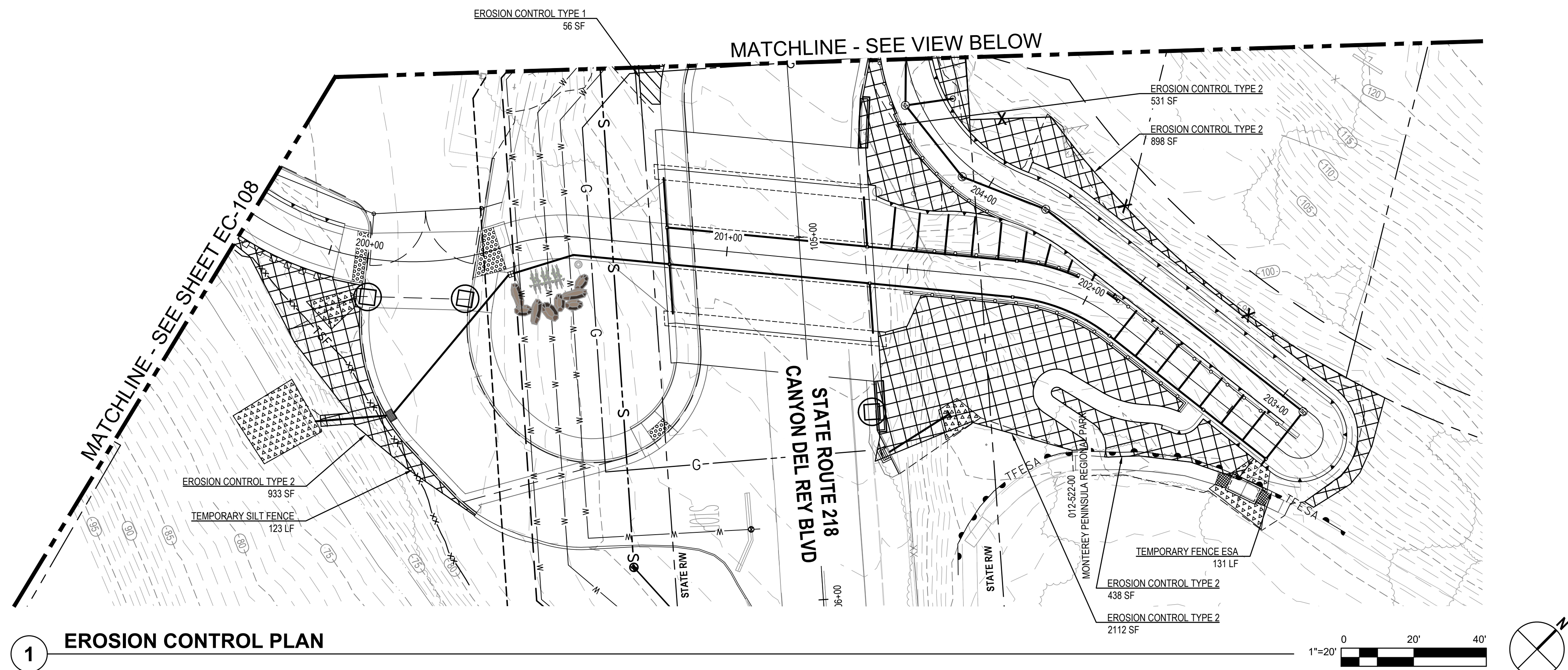
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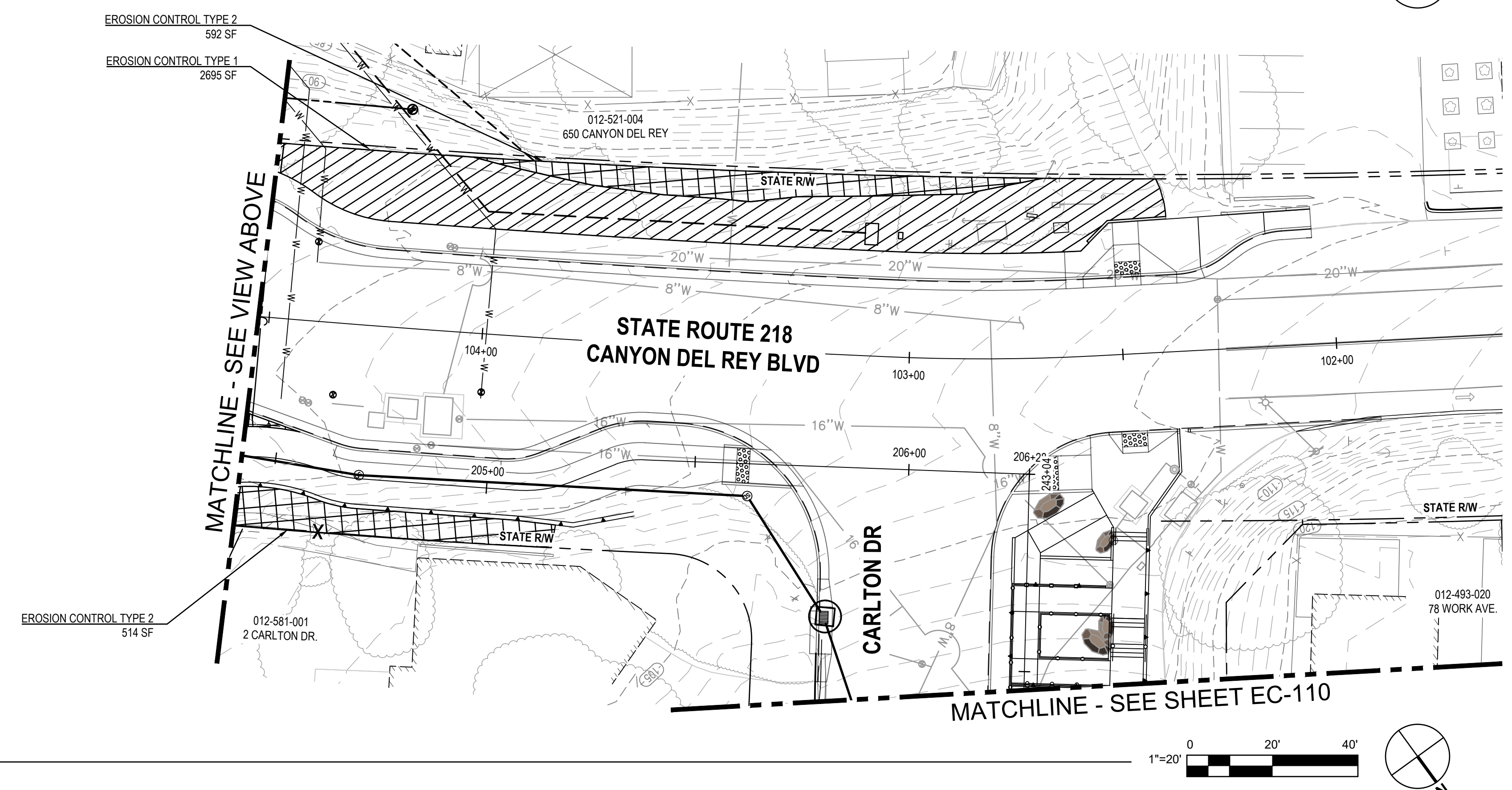
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	EROSION CONTROL PLAN - 7
Sheet No.	EC-108
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- SHEET GENERAL NOTES**
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 - SEE EROSION CONTROL LEGEND SHEET FOR LEGEND, SEED MIX, AND EROSION CONTROL TYPES.
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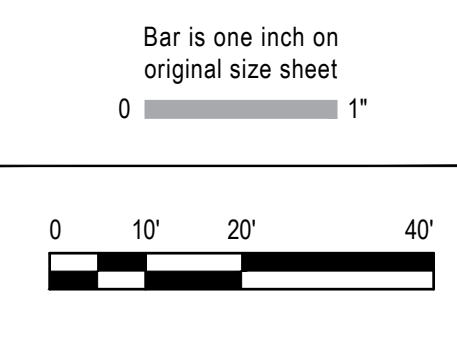
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



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Designer	CO	Design Check	SG	Project Director
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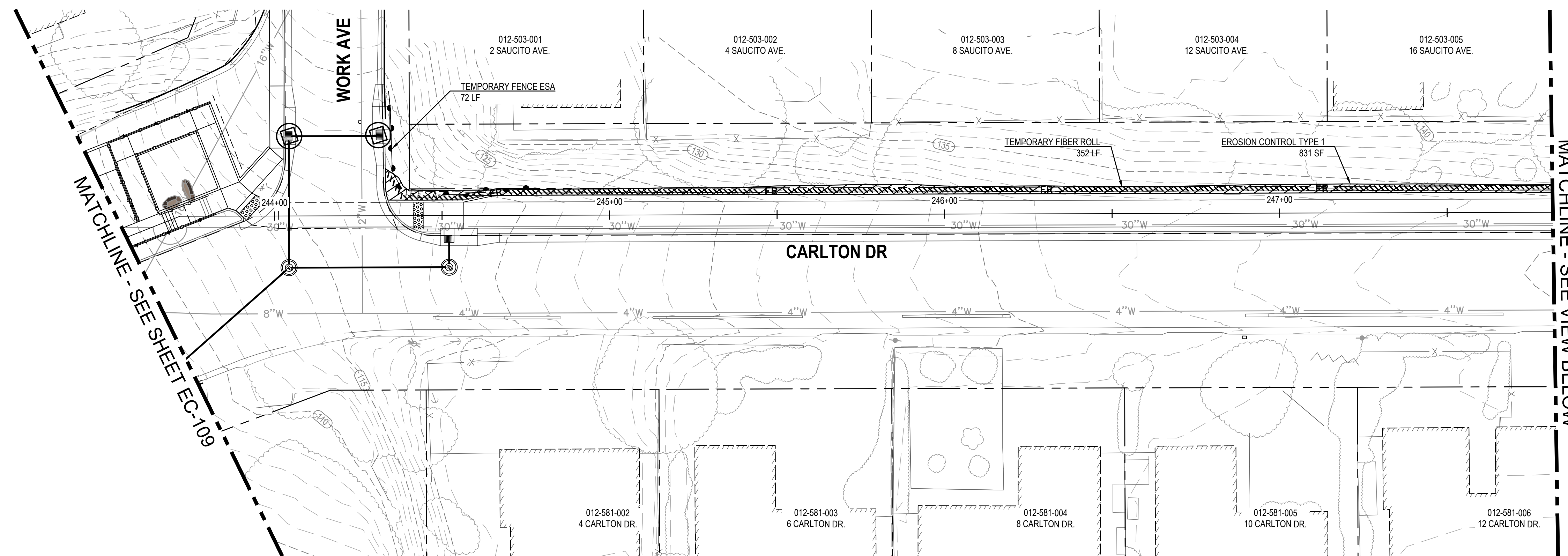
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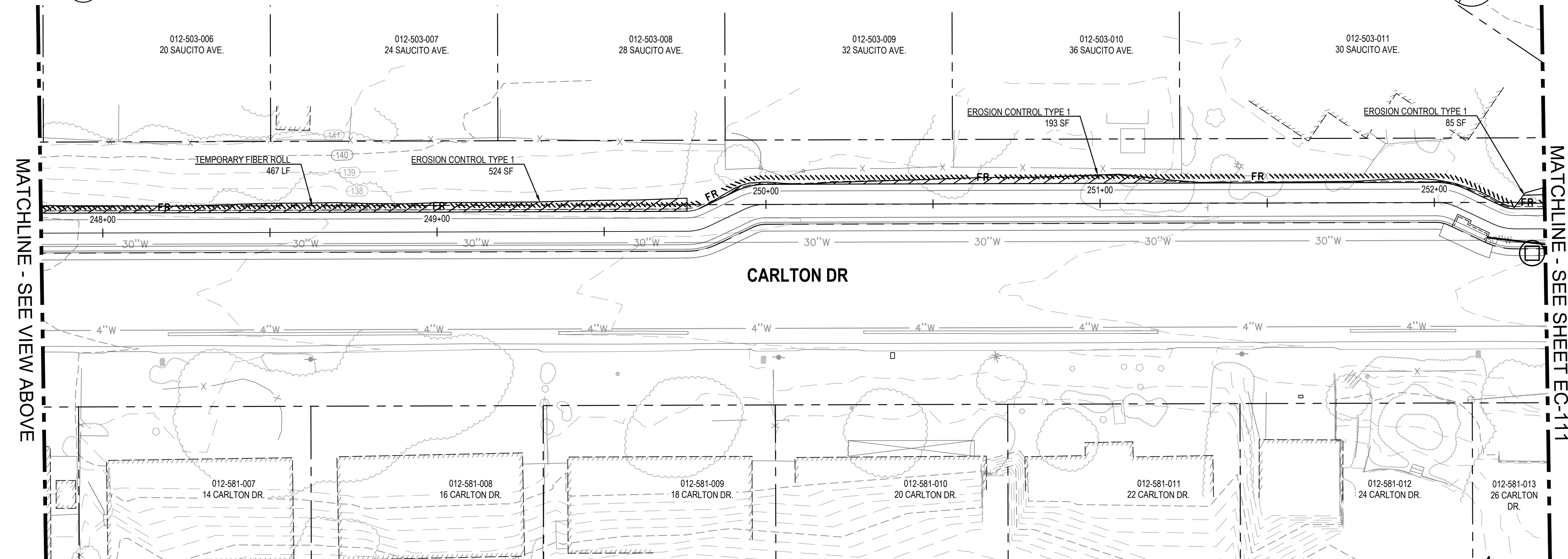
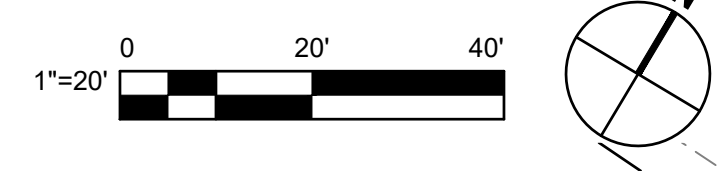
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	EROSION CONTROL PLAN - 8
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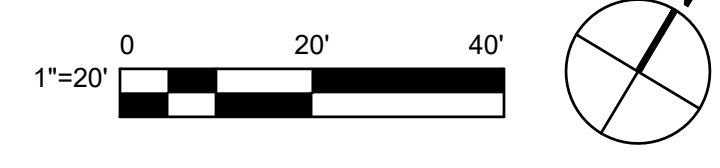
- SHEET GENERAL NOTES**
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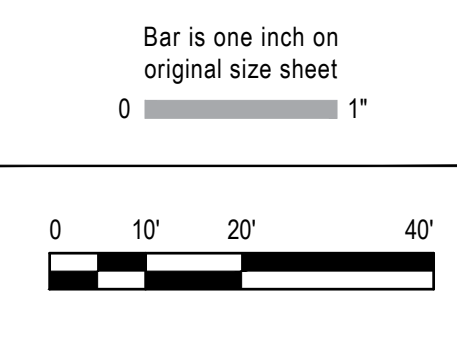
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
		L. VAN PARYS		
		K. VEDULA		



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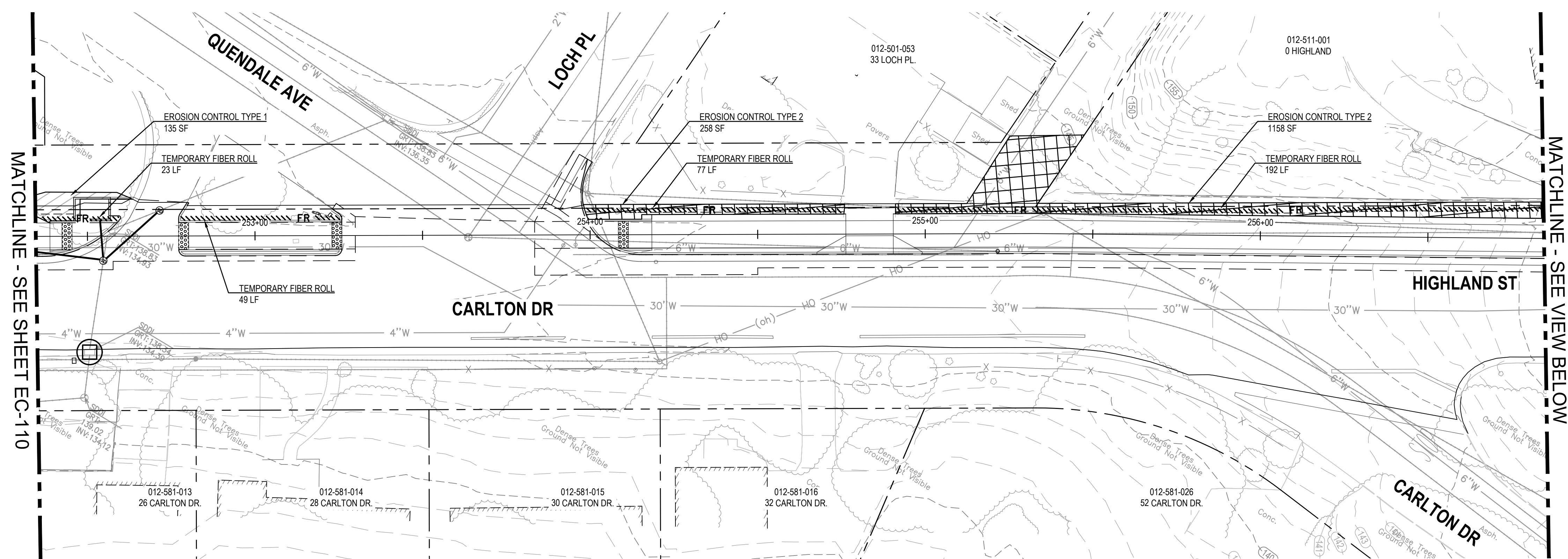
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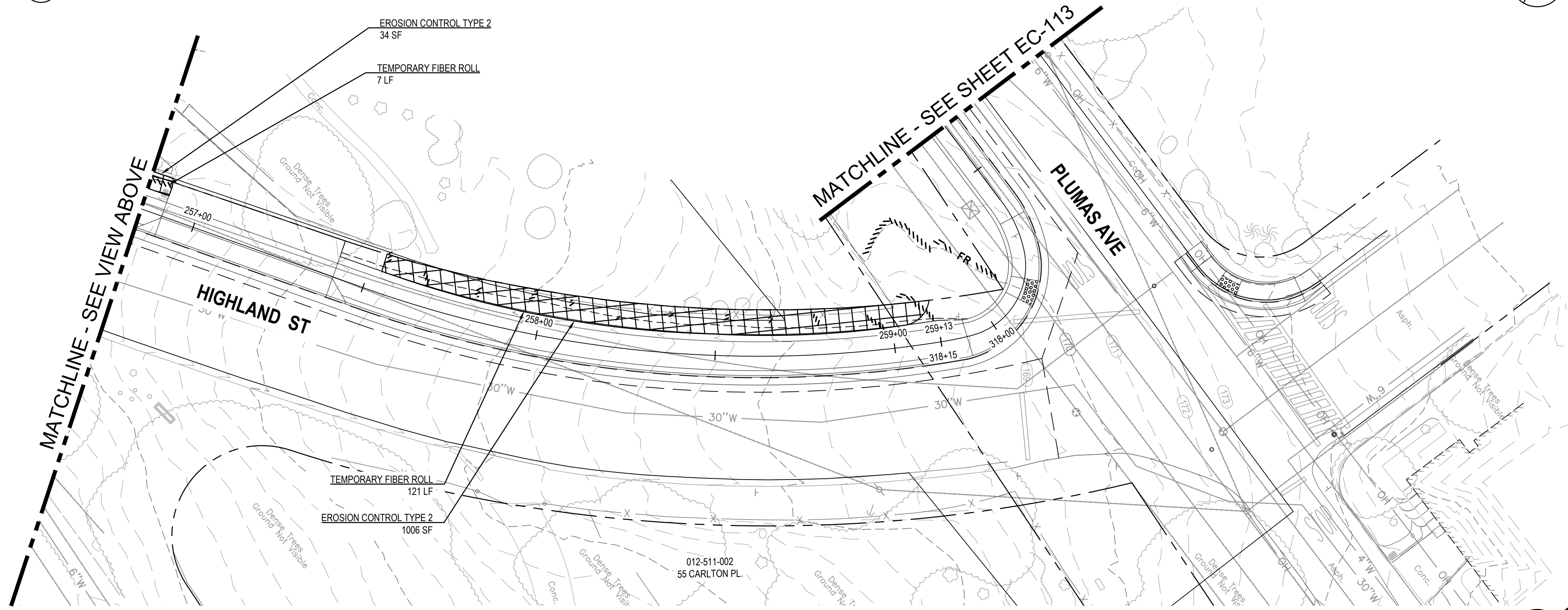
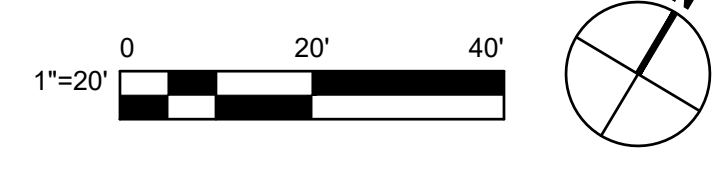
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Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	EROSION CONTROL PLAN - 9
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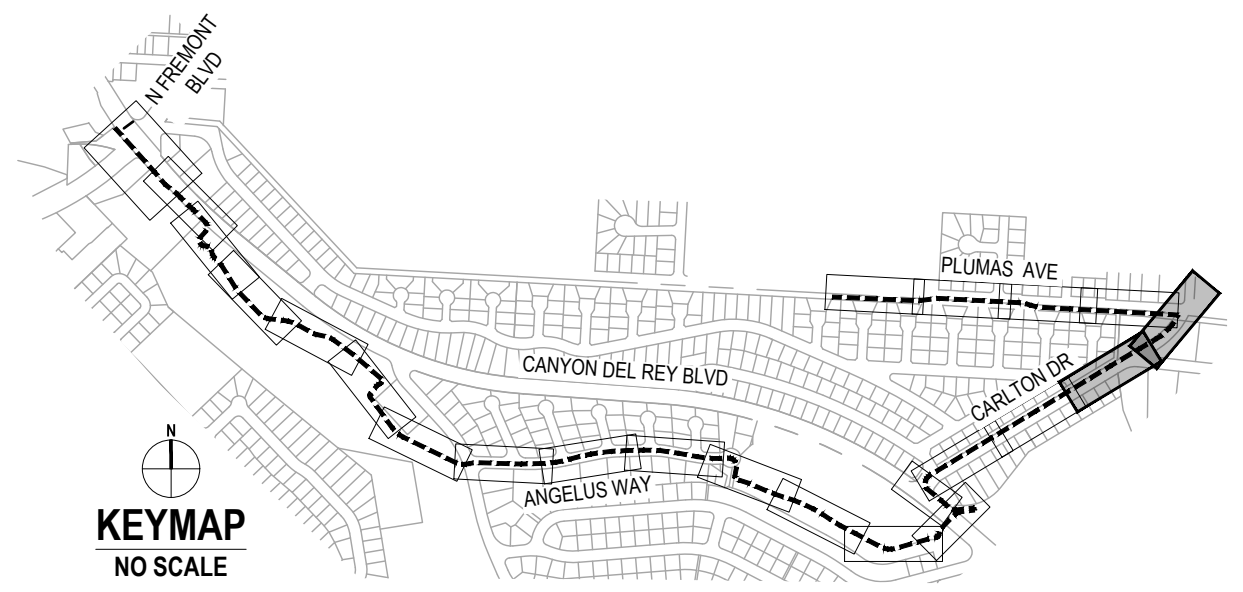
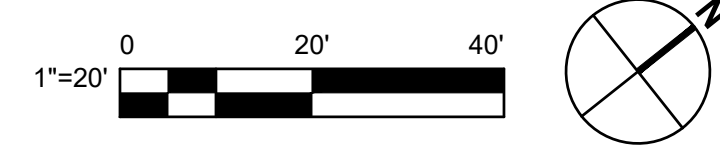
- SHEET GENERAL NOTES**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - SEE EROSION CONTROL LEGEND SHEET FOR LEGEND, SEED MIX, AND EROSION CONTROL TYPES.
 - INSTALL TEMPORARY CONSTRUCTION FENCING PER SPECIFICATIONS AND TEMPORARY HIGH VISIBILITY FENCING PER TREE REMOVAL PLAN.



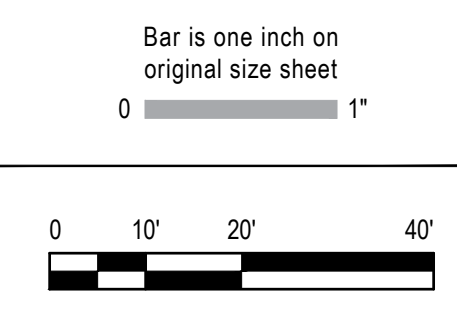
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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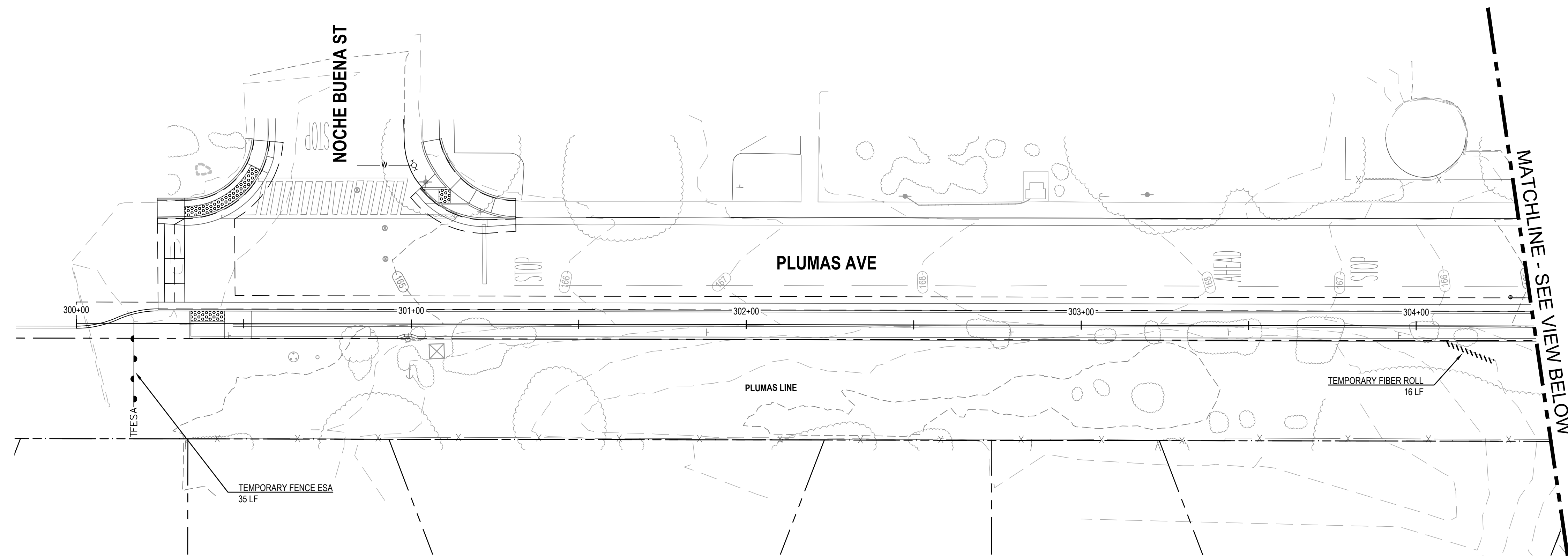
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

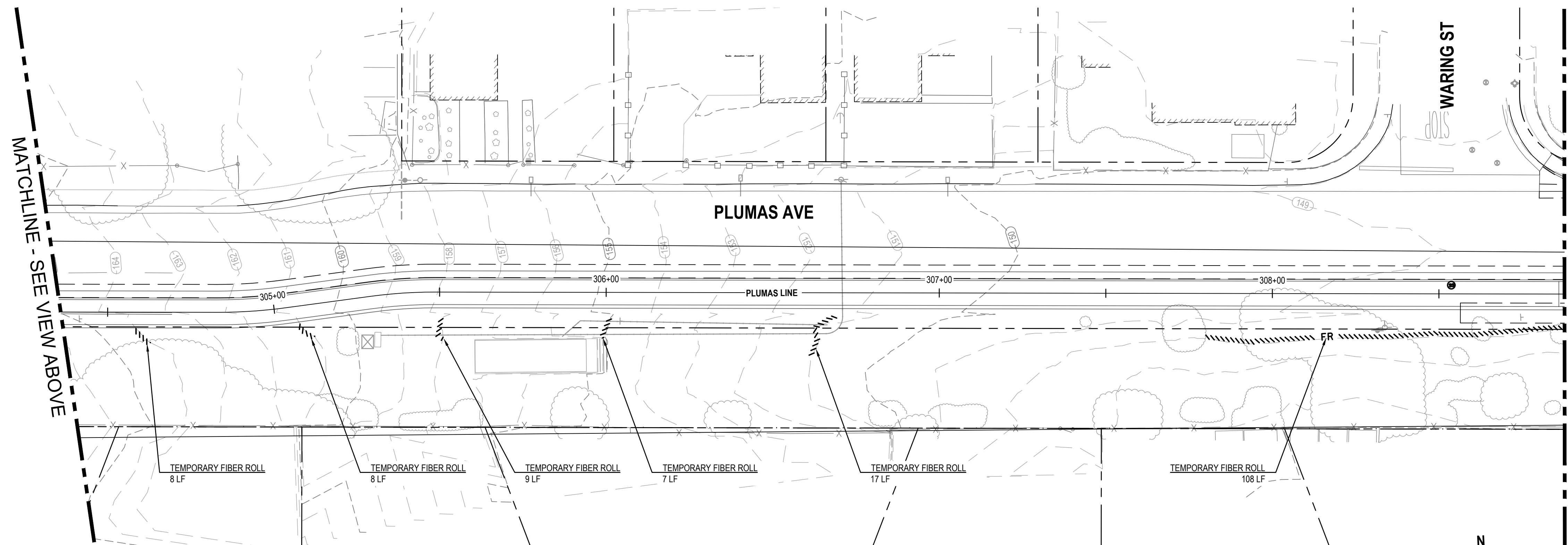
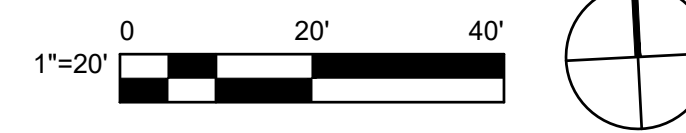
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Project No.	Date	Scale	Size
11220281	December 1, 2023	AS SHOWN	ANSI D
Sheet No.			Status Code
EC-111			199 of 195

SHEET GENERAL NOTES

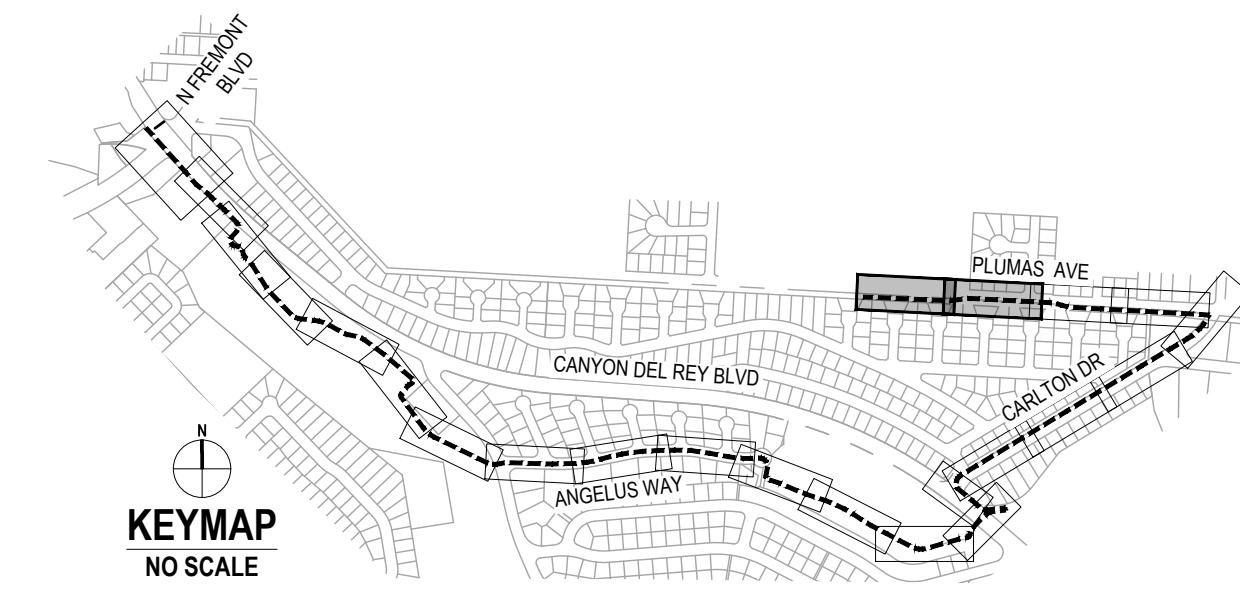
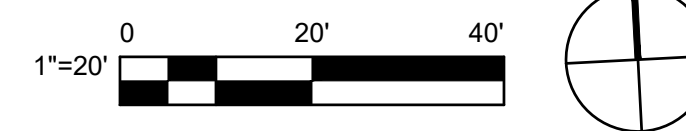
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1 EROSION CONTROL PLAN

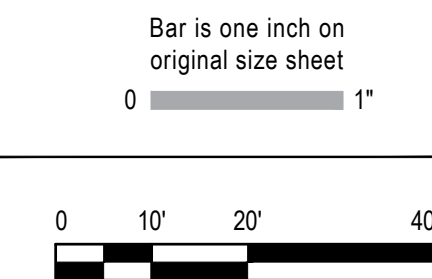


2 EROSION CONTROL PLAN



KEYMAP
NO SCALE

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **EROSION CONTROL PLAN - 11**

Size **ANSI D**

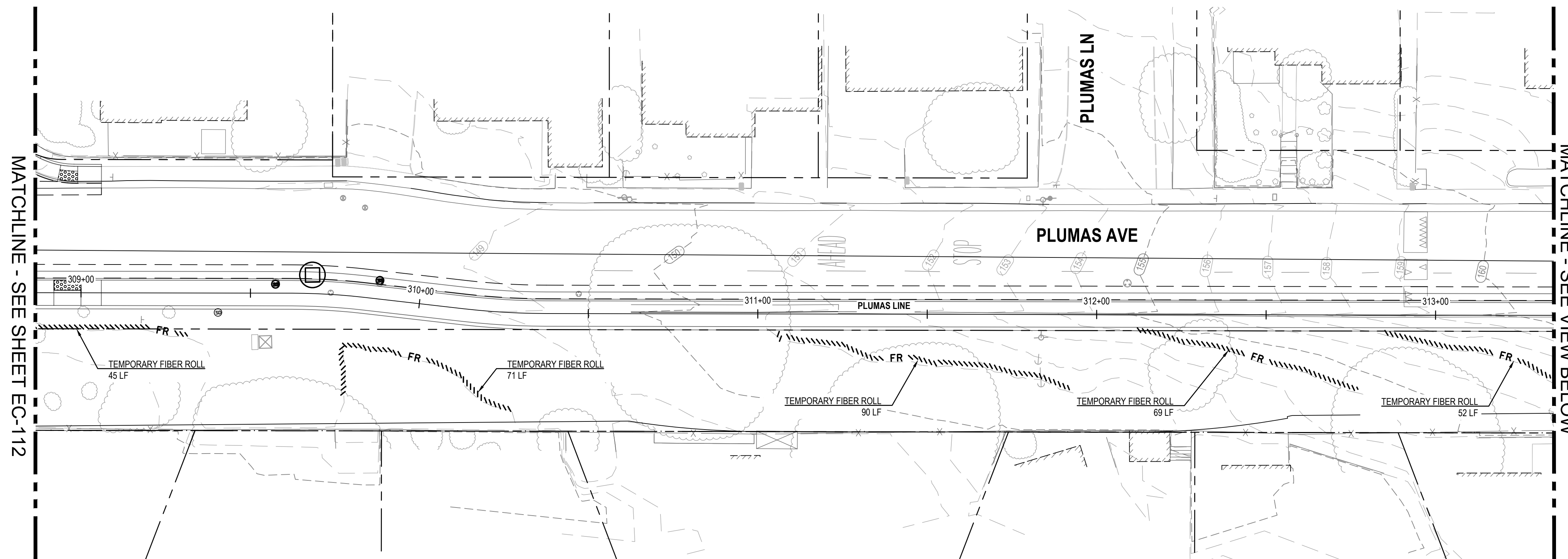
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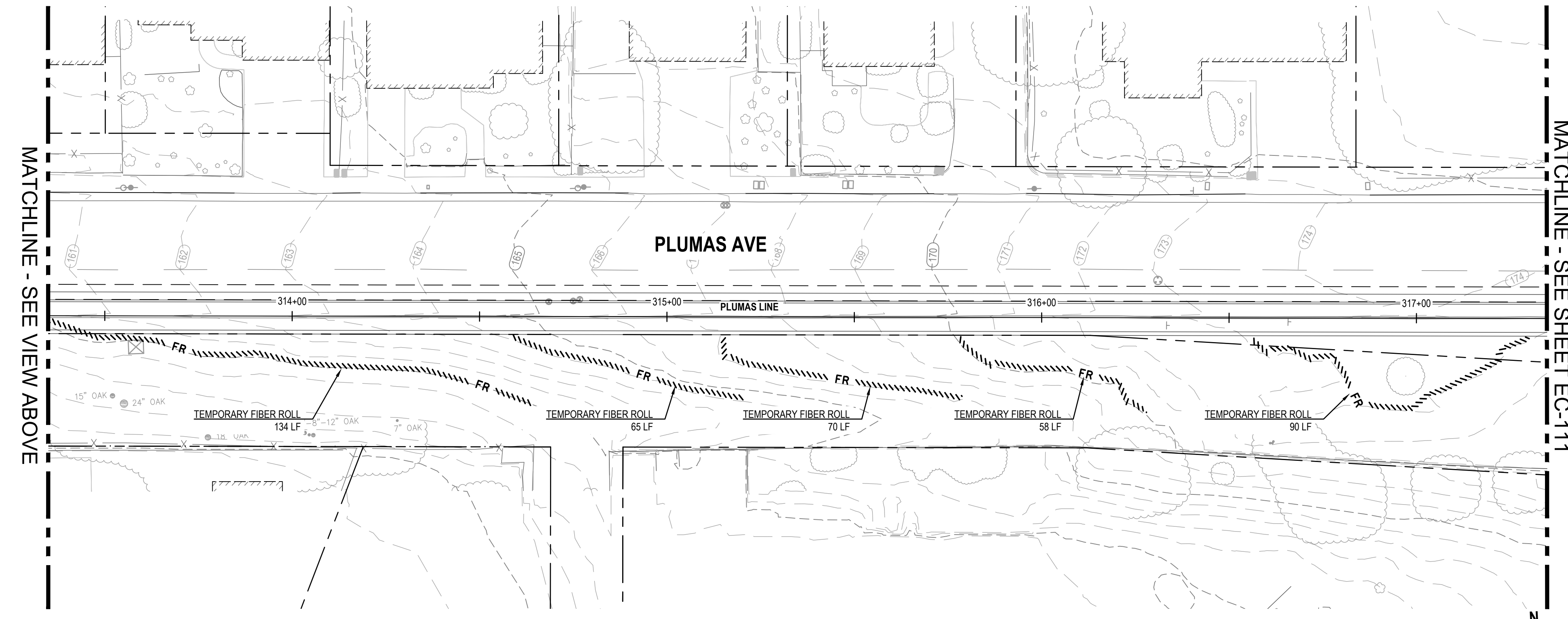
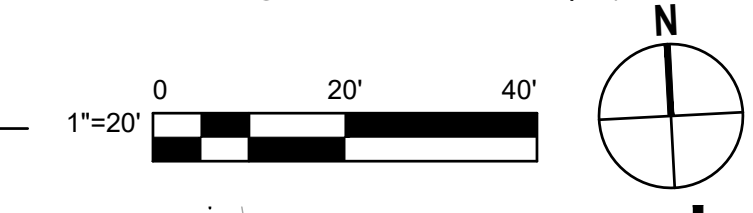
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SHEET GENERAL NOTES

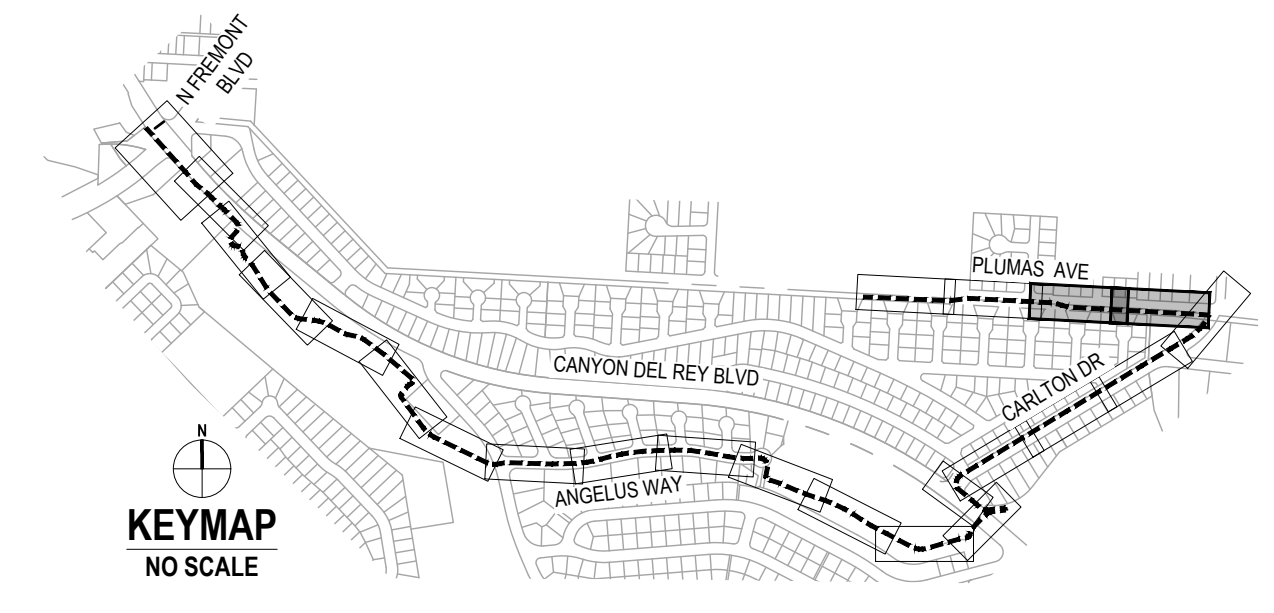
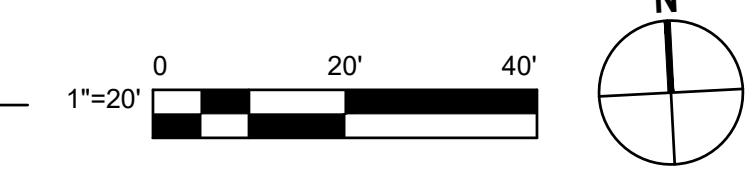
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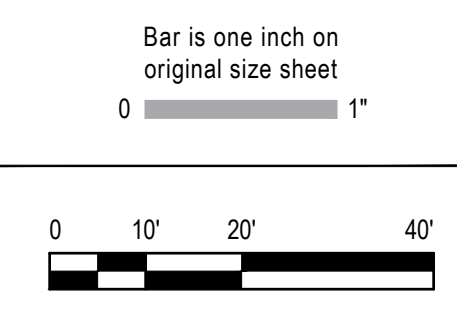
1 EROSION CONTROL PLAN



2 EROSION CONTROL PLAN



No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	CO	Design Check	SG	Project Director
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Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **EROSION CONTROL PLAN - 12**

Size **ANSI D**

Status Code

Sheet No. **EC-113** Sheet **161 of 195**

GENERAL LANDSCAPE NOTES

- The Contractor shall comply with Caltrans standard plans for traffic control/construction area signage, if needed for this project.
- Coordinate electrical needs for irrigation controller and other electrical irrigation components as needed. See improvement plans for coordination with other trades.
- IRRIGATION AUDIT:** Irrigation audit shall be conducted by a third party irrigation auditor. Landscape audits shall not be conducted by the person who designed the landscape or installed the landscape. Irrigation audit required for projects as described in the Model Water Efficient Landscape Ordinance, 23 CA Code of Regs § 490 et seq., and local water agency provisions.

The applicant shall submit an irrigation audit report with the Certificate of Completion to the local agency that may include, but is not limited to: inspection, system tune-up, system test with distribution uniformity, reporting overspray or run off that causes overland flow, and preparation of an irrigation schedule, including configuring irrigation controllers with application rate, soil types, plant factors, slope, exposure and other factors necessary for accurate programming.

- IRRIGATION RUNTIME SCHEDULE:** The Landscape Contractor shall provide the City of Del Rey Oaks, as part of the Irrigation Audit and Certification of Completion, an Irrigation Runtime Schedule. This schedule shall break down individual valve schedules and runtimes based on the irrigation volume requirements determined during the irrigation audit.

REFERENCE NOTES SCHEDULE

SYMBOL	01 GENERAL DESCRIPTION	QTY	DETAIL	SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
	01-01 PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS.		N/A		03-01 INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	17,440 SF	N/A
	01-02 STEEL RAISED PLANTERS. PLANTING AND SOIL BY OTHERS.		4/L-504		03-02 CONCRETE STAMP - A PATTERN: CEDAR WOOD PLANK BY BRICKFORM OR APPROVED EQUAL SEE DETAILS	536 SF	2/L-507
	02-01 DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	4,239 SF	7/L-505		03-03 CONCRETE STAMP - B STONE TEXTURE SEE DETAILS	2,057 SF	2/L-507
	02-02 ROCK BLANKET COBBLE ROCK SET IN CONCRETE. SEE LANDSCAPE DETAILS.	841 SF	1/L-506		03-04 DECORATIVE CONCRETE SURFACING ENDURABLEND OR APPROVED EQUAL COLOR-PMS 626 SEE LANDSCAPE DETAILS FOR LAYOUT		4/L-507
	02-03 RIVER COBBLE RIP RAP TYPE: RIVERBED MIX - 1/4"-8" COBBLE FROM HASTIE'S OR APPROVED EQUAL	569 SF	N/A		03-05 FORTAG LOGO - WAYFINDING AND TRAIL IDENTIFICATION. ORIENTATION TBD IN FIELD WITH CLIENT REPRESENTATIVE. MANUFACTURER: ENDURABLEND OR APPROVED EQUAL		1/L-507
	02-04 WOOD MULCH TYPE: WOOD MULCH SHALL BE WOOD CHIP DEPTH: 4"	2,518 SF	N/A		03-06 CONCRETE SEAT WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAIL 1/L508) WALL CAP: HANDELSTONE WC510. SANDSTONE - STONE FINISH -103		3/L-505
	02-05 BOLLARDS MANU: COLUMBIA CASCADE COMPANY MODEL: 2179-02.P CONTEMPORARY BOLLARD OR APPROVED EQUAL		2/L-504		03-07 CONCRETE WALL FORMLINER-01 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (COLORS AND MANUF. TBD) CONTRACTOR TO DEVELOP 4 SAMPLE PALLETTES FOR REVIEW AND APPROVAL. SEE CIVIL PLANS FOR RETAINING WALL DETAILS AND COORDINATION.		1/L-508
	02-06 CAMBER BENCH MANU: FORMS & SURFACES MODEL: SBCAM-72BW DESC: CAMBER BENCH, 6' FSC 100% CUMARU HARWOOD SLATS COLOR: RAL COLOR POWDERCOAT (TBD) OR APPROVED EQUAL		5/L-504		03-08 CONCRETE WALL FORMLINER-02 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH. FORMLINER:PATTERN 16956-CORPS FIN (BY FITZGERALD FORMLINERS OR APPROVED EQUAL) INTEGRAL CONCRETE COLOR: DAVIS COLOR-6804-CLIFFSIDE BROWN SEE CIVIL AND STRUCTURAL PLANS FOR RETAINING WALL DETAILS AND COORDINATION.		2/L-508
	02-07 CORDIATRASH AND RECYCLE RECEPTICLES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OPTIIONAL ALUMINUM RAIN COVER. OR APPROVED EQUAL		5/L-505		05 METAL DESCRIPTION		QTY
	02-08 HYDRATION STATION MANU: MDF (MOST DEPENDABLE FOUNTAINS) MODEL: 10145 SM OR SMSS W/ OPTIONAL PET FOUNTAIN COLOR: TEXTURED BLACK (TBD)		3/L-504		05-01 4' HIGH TWO RAIL PICKET FENCE COLOR: BLACK FABRICATE IN-FIELD. CONTRACTOR TO SELECT FABRICATOR AND SUPPLY SHOP DRAWINGS FOR APPROVAL.		N/A
	02-09 BAY CITY BIKE RACKS MANU: FORMS & SURFACES MODEL: SKBAY COLOR: TO MATCH OTHER FURNISHINGS (TBD)		4/L-505				
	02-10 BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2'-5' SELECTION AND FINAL PLACEMENT TBD IN-FIELD.		1/L-505				
	02-11 INTERPRETIVE SIGNAGE - SIGNAGE ATTACHMENT, GRAPHICS CONTENT AND DETAILS BY OTHERS. SHOWN FOR DESIGN INTENT ONLY.		7/L-504				
	02-12 NEW DEL REY OAKS WELCOME SIGNAGE. SEE DETAILS FOR CONCEPTUAL DESIGN.		5/L-506				
	02-13 BUTTERFLY GARDEN ARBOR STRUCTURE. MANU: POLIGON MODEL: MSE SIZE: CUSTOM 14'X16' ROOF: STANDING SEAM/T&G WOOD ROOF DECK COLOR: FRAME-POWDERCOAT BLACK (TBD), ROOF-PATINA GREEN. WOOD-BURNT HICKORY FINAL FINISH COLORS AND OPTIONS TBD		2/L-509				
	02-14 EDGING (METAL)		7/L-505				

No.	Issue	Checked	Approved	Date
Author	TH	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	TH	Design Check LP	Project Director K. VEDULA	



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Title
LANDSCAPE AMENITY NOTES & LEGENDS

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Size
ANSI D

Status Code

Sheet No. **L-001** Sheet **162 of 195**

GENERAL IRRIGATION NOTES

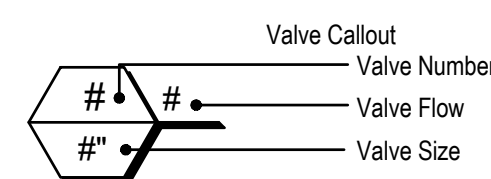
- Plan is diagrammatic and not intended to show exact locations of piping and valves. All main line, gate valves, remote control valves and quick coupler valves shall be installed within the project area, in planting areas, whether shown there or not, and per Caltrans standard plans.
- Place flow sensor data cable from controller to master valve/flow sensor in its own 1" diameter sch. 40 gray electrical conduit. Coordinate electrical needs for irrigation controller and other electrical irrigation components as needed. See plans for coordination with other trades.
- It is the contractor's responsibility for providing appropriate sleeving under all hardscape where it occurs. Routing of irrigation lines shown on plans is diagrammatic and it is the responsibility of the contractor to provide final irrigation piping locations and associated sleeving. At each mainline sleeve, provide a separate, appropriate-size sleeve for control/common wiring.
- The landscape Contractor shall coordinate his work with other trades involved (I.E. Grading, Plumbing and Electrical Contractors).
- Pressure at point of connection (POC) shown on plans was observed on site to be 40 psi at POC A, and 60 PSI at POC B. Contractor to pressure test all POC's prior to construction at multiple times of day to determine actual static pressure and provide results to Landscape Architect.
- Irrigation systems are designed to operate at 40 psi at point of connection to domestic water supply. Landscape Contractor shall test pressure at point of connection prior to installation of the irrigation backflow prevention device, booster pump or any other irrigation equipment. Notify Landscape Architect immediately if pressure is below 40 psi or over 60 psi to determine needed pressure regulation devices. (i.e. boost pump or regulating valve.)

SOIL SAMPLING NOTES

- LOCATIONS:** Soil test pits to be taken at various locations where planting occurs and/or is discontinuous. Additional test locations will need to be determined in the field based on grading and soil observations that indicate the potential for change in soil conditions that may impact plant growth.
- TIMING / SEQUENCE:** soil tests shall be conducted after site rough grading (as shown on civil improvement plans) and prior to soil preparation and finish grading.
- SOILS MANAGEMENT REPORT:** soils shall be collected and submitted for testing in accordance with the Del Rey Oaks city code water efficient landscape requirements. Amend soils per soil report recommendations.

IRRIGATION SCHEDULE POC A

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	HUNTER RZWS-SLEEVE-36-CV 3/8IN. LONG RZWS WITH FILTER FABRIC SLEEVE, .25 GPM OR .50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE	32	20
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM	3	
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-06-18 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.6 GPH EMITTERS AT 18" O.C. LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	3,995 S.F.	
	RAIN BIRD PESB PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. SIZE PER PLANS (1").	5	
	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	12	
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER (2") AT VALVE LOCATION.	3	
	GRISWOLD 2260KE 1-1/2" 1-1/2" PRESSURE REDUCING, NORMALLY OPEN MASTER VALVE. EPOXY COATING. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND WIRE DIRECTLY TO THE CONTROLLER.	1	
	HUNTER PED-SS-A2C-1200-M 12-STATION CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.	1	
	HUNTER ICD-100 SINGLE STATION DECODER W/SURGE SUPPRESSION AND GROUND WIRE. TO BE INSTALLED ON UNIVERSAL DECODER STAKE KIT (DECSTAKE10).	8	
	HUNTER WSS-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER X-CORE AND ACC CONTROLLERS, INSTALL AS NOTED. INCLUDES GUTTER MOUNT BRACKET. MODULE NOT INCLUDED.	1	
	CREATIVE SENSOR TECHNOLOGY FSI-T15-001 1.5IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE WALL IRRIGATION CONTROLLERS. FLOW RANGE 1.8 GPM - 108 GPM.	1	
	POINT OF CONNECTION EXISTING WELL 40 GPM ESTIMATED PRESSURE. CONTRACTOR TO VERIFY CONDITIONS IN FIELD PRIOR TO CONSTRUCTION TO DETERMINE SOURCE VIABILITY AND PUMP REQUIREMENTS.	1	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	1,653 L.F.	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	1,624 L.F.	

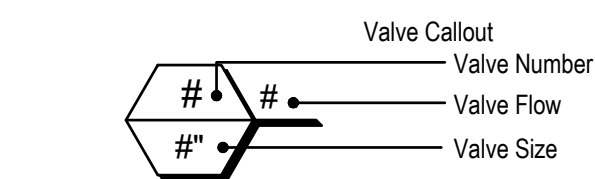


VALVE SCHEDULE - POC A

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
A1	RAIN BIRD PESB	1"	BUBBLER	3	650.3	21.8		1.7 in/h
A2	RAIN BIRD PESB	1"	BUBBLER	4.5	917.5	22.1	28.8	1.7 in/h
A3	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	9.59	1,035	30.8	39.2	0.43 in/h
A4	RAIN BIRD PESB	1"	BUBBLER	3.5	1,048	22.7	30.3	1.7 in/h
A5	RAIN BIRD PESB	1"	BUBBLER	3	1,042	21.9	29.4	1.7 in/h
A6	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	1.82	328.4	21.8	28.8	0.43 in/h
A7	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	6.37	344.7	26.5	36.2	0.43 in/h
A8	RAIN BIRD PESB	1"	BUBBLER	2.5	356.2	21.7	31.7	1.7 in/h
	Common Wire				1,630			

IRRIGATION SCHEDULE POC B

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	HUNTER RZWS-SLEEVE-36-CV 3/8IN. LONG RZWS WITH FILTER FABRIC SLEEVE, .25 GPM OR .50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE	12	20
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM	4	
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-06-18 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.6 GPH EMITTERS AT 18" O.C. LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	7,001 S.F.	20
	RAIN BIRD PESB PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. SIZE PER PLANS (1").	2	
	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	5	
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER (2") AT VALVE LOCATION.	4	
	GRISWOLD 2260KE 1-1/2" 1-1/2" PRESSURE REDUCING, NORMALLY OPEN MASTER VALVE. EPOXY COATING. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND WIRE DIRECTLY TO THE CONTROLLER.	1	
	HUNTER PED-SS-A2C-1200-M 12-STATION CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.	1	
	HUNTER ICD-100 SINGLE STATION DECODER W/SURGE SUPPRESSION AND GROUND WIRE. TO BE INSTALLED ON UNIVERSAL DECODER STAKE KIT (DECSTAKE10).	6	
	HUNTER WSS-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER X-CORE AND ACC CONTROLLERS, INSTALL AS NOTED. INCLUDES GUTTER MOUNT BRACKET. MODULE NOT INCLUDED.	1	
	CREATIVE SENSOR TECHNOLOGY FSI-T15-001 1.5IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE WALL IRRIGATION CONTROLLERS. FLOW RANGE 1.8 GPM - 108 GPM.	1	
	POINT OF CONNECTION 2" EXISTING CORP YARD METER FLOW, PRESSURE, CAPACITY AND AVAILABILITY UNKNOWN. INVESTIGATION AND USE AGREEMENT NEEDS COORDINATION. SOURCE TBD.	1	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	693.9 L.F.	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	625.4 L.F.	



VALVE SCHEDULE - POC B

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
B1	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	7.75	160.5	26.2		0.43 in/h
B2	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	7.07	193.6	25.8	27.2	0.43 in/h
B3	RAIN BIRD PESB	1"	BUBBLER	2.5	199.1	21.6	22.9	1.7 in/h
B4	RAIN BIRD PESB	1"	BUBBLER	3.5	459.9	21.8	23.2	1.7 in/h
B5	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	11.44	469.2	30.9	32.8	0.43 in/h
B6	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	6.09	527.5	25.3	26.8	0.43 in/h
	Common Wire				626.6			

CRITICAL ANALYSIS-POC A

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P.O.C. NUMBER: A
Water Source Information: EXISTING WELL
40 GPM ESTIMATED PRESSURE. CONTRACTOR TO VERIFY CONDITIONS IN FIELD PRIOR TO CONSTRUCTION TO DETERMINE SOURCE VIABILITY AND PUMP REQUIREMENTS.

FLOW AVAILABLE
Custom Max Flow: 90 GPM
Flow Available: 90 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 40 PSI
Pressure Available: 40 PSI

DESIGN ANALYSIS
Maximum Station Flow: 9.59 GPM
Flow Available at POC: 90 GPM
Residual Flow Available: 80.41 GPM

Critical Station: A3
Design Pressure: 20 PSI
Friction Loss: 3.45 PSI
Fittings Loss: 0.34 PSI
Elevation Loss: 0 PSI
Loss through Valve: 7.03 PSI
Pressure Req. at Critical Station: 30.8 PSI
Loss for Fittings: 0.09 PSI
Loss for Main Line: 0.89 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 0 PSI
Loss for Master Valve: 1.3 PSI
Critical Station Pressure at POC: 33.1 PSI
Pressure Available: 40 PSI
Residual Pressure Available: 6.89 PSI

CRITICAL ANALYSIS-POC B

Generated: 2023-02-28 15:31

P.O.C. NUMBER: B
Water Source Information: EXISTING CORP YARD METER
FLOW, PRESSURE, CAPACITY AND AVAILABILITY UNKNOWN. INVESTIGATION AND USE AGREEMENT NEEDS COORDINATION. SOURCE TBD.

FLOW AVAILABLE
Point of Connection Size: 2"
Flow Available: 77.18 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60 PSI
Pressure Available: 60 PSI

DESIGN ANALYSIS
Maximum Station Flow: 11.44 GPM
Flow Available at POC: 77.18 GPM
Residual Flow Available: 65.74 GPM

Critical Station: B5
Design Pressure: 20 PSI
Friction Loss: 1.79 PSI
Fittings Loss: 0.18 PSI
Elevation Loss: 0 PSI
Loss through Valve: 8.94 PSI
Pressure Req. at Critical Station: 30.9 PSI
Loss for Fittings: 0.05 PSI
Loss for Main Line: 0.54 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 0 PSI
Loss for Master Valve: 1.3 PSI
Critical Station Pressure at POC: 32.8 PSI
Pressure Available: 60 PSI
Residual Pressure Available: 27.2 PSI

No.	Issue	Checked	Approved	Date
Author	TH	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	TH	Design Check LP	Project Director K. VEDULA	



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Project No.
11220281

Date
December 1, 2023

Scale
AS SHOWN

Title
LANDSCAPE IRRIGATION NOTES & LEGENDS

Size
ANSI D

Status Code

Sheet No.
L-002
163 of 195

MWELO DOCUMENTATION

LANDSCAPE DOCUMENTATION PACKAGE

PROJECT INFORMATION:

1. Project Site / Location: Del Rey Oaks, CA
2. Total landscape area: 10,425 sf
3. Project type: Public Trail
4. Irrigation Water supply type: Potable Water + Well
5. Documents in this package include:
 - Irrigation specifications and plans / details
 - Planting specifications and plans / details
 - MAWA water budget calculations
 - ETWU water budget calculations
- See Civil plans for grading information

- Soils management report of site soil conditions to be PROVIDED BY CONTRACTOR after site grading completion, but prior to landscape planting
- Contractor to provide soil analysis certification of all imported soil used for back fill in planter areas.
 - The project applicant / or his/her designee, shall submit documentation verifying implementation of soil analysis report recommendations with the certificate of completion.

DESIGNER'S STATEMENT

I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete landscape documentation package.

Statement Prepared by



Thomas Hessel, CA LLA 6552 Landscape Architect

GHD, Inc.
916-256-2675
tom.hessel@ghd.com

CERTIFICATE OF COMPLIANCE

Upon completion of the installation of the landscaping, the Contractor shall notify the Landscape Architect so that the designer can certify that the landscape complies with all City water conserving landscape requirements. Certification shall be accomplished by completion of a certificate of compliance on a form approved by the City of Del Rey Oaks.

Water Efficient Landscape Worksheet

ETWU (Estimated Total Water Use) Calculation (Eto x .62 x ETAF x Area)

REGULAR LANDSCAPE AREAS

Hydro Zone	Valve Zones	PF	Irr Method	IE	ETAF (PF/IE)	Landscape Area	ETAF x Area	ETWU (gal/yr)
Water Features	na	1	NA	1	1.00	0.00	0.00	0.00
Very Low	na	0.1	NA	0.81	0.12	0.00	0.00	0.00
Low (Shrubs)	A3,A6,A7, B1,B2,B5B,6	0.3	Drip	0.81	0.37	9,822.00	3,637.78	10,487.71
Medium (Trees)	A1,A2,A4,A5,A8,B3, B4	0.5	Bubblers	0.81	0.62	603.00	372.22	1,073.12
High		0.8	Rotors	0.81	0.99	0.00	0.00	0.00
Totals						10,425.00	4,010.00	

SPECIAL LANDSCAPE AREAS

Pool and Spa					0	0	0.00	0.00
Turf Areas					0.45	0	0.00	0.00
Totals						0.00	0.00	
							ETWU Total	11,560.83
							MAWA	13,524.87

(ETWU should be less than MAWA)

ETAF Calculations

Total Sitewide (ETAF x Area) / Total Area **0.38**
Average ETAF should be below 0.55 for residential areas
Average ETAF should be below 0.45 for non-residential areas

REFERENCE FACTORS

ET o Rate	(Evaporation transpiration rate for area)	4.65	in / yr
ETAF	(factor from state for residential - used for MAWA)	0.45	
CF (Conversion Factor)	(used to convert acre-inches/year to gal/sf per year)	0.62	
IE (Irrigation Efficiency)	(from state - efficiency for drip)	0.81	
IE (Irrigation Efficiency)	(from state - efficiency for spray)	0.75	
PF (Plant Factor) High	(factor from state or jurisdiction)	.7-1.0	
PF (Plant Factor) Medium	(factor from state or jurisdiction)	.4-.6	
PF (Plant Factor) Low	(factor from state or jurisdiction)	.1-.3	
PF (Plant Factor) Very Low	(factor from state or jurisdiction)	0-.1	

Water Efficient Landscape Worksheet

MAWA (Maximum Allowed Water Allowance) Calculation

Formula per State = (Eto)(0.62)[(ETAF*LA) + ((1-ETAF)*SLA)]

Annual Gallons Allowed = 13,524.87

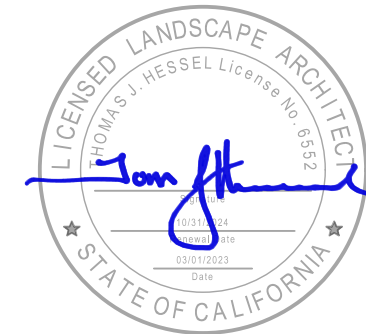
MAWA Criteria

Eto = 4.65
ETAF = 0.45
LA = 10,425.00
SLA = 0.00

No.	Issue	Checked	Approved	Date	
Author	TH	Drafting Check	LP	Project Manager	L. VAN PARYS
Designer	TH	Design Check	LP	Project Director	K. VEDULA



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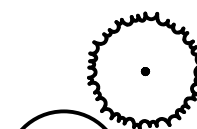
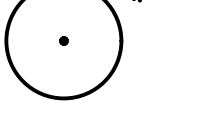
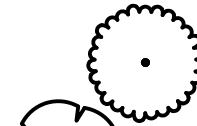




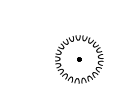
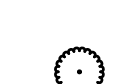




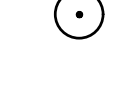


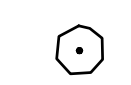

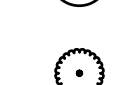

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TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project
FORTAG TRAIL PROJECT

Title
LANDSCAPE IRRIGATION MWELO DOCUMENTS

Project No. 11220281 Date December 1, 2023 Scale AS SHOWN

Sheet No. L-003 Sheet 164 of 195

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	7	PINUS RADIATA	MONTEREY PINE	15 GAL	
	20	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL	
ORNAMENTAL	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	9	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX	
	3	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	
NATIVE TEMP. IRRIGATED LANDSCAPE - UPLAND	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	5	CEANOTHUS THYRSIFLORUS	BLUEBLOSSOM	5 GAL	
	16	FRANGULA CALIFORNICA	COFFEEBERRY	5 GAL	
	199	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL	
	168	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	
	14	SALVIA MELLIFERA	BLACK SAGE	5 GAL	
ORNAMENTAL IRRIGATED LANDSCAPE	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	15	CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL	
	48	DIETES BICOLOR	FORTNIGHT LILY	1 GAL	
	36	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL	
	37	LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL	
	205	LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL	
	1	LUPINUS ALBIFRONS	BUSH LUPINE	1 GAL	
	5	MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	1 GAL	
	16	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL	
	2	SALVIA MICROPHYLLA 'LITTLE KISS'	LITTLE KISS GRAHAM SAGE	1 GAL	
	38	ZAUSCHNERIA CALIFORNICA 'BERTS BLUFF'	BERTS CALIFORNIA FUCHSIA	1 GAL	
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	128	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL.	36" o.c.

No.	Issue	Checked	Approved	Date
Author	TH	Drafting Check	LP	Project Manager
Designer	TH	Design Check	LP	Project Director



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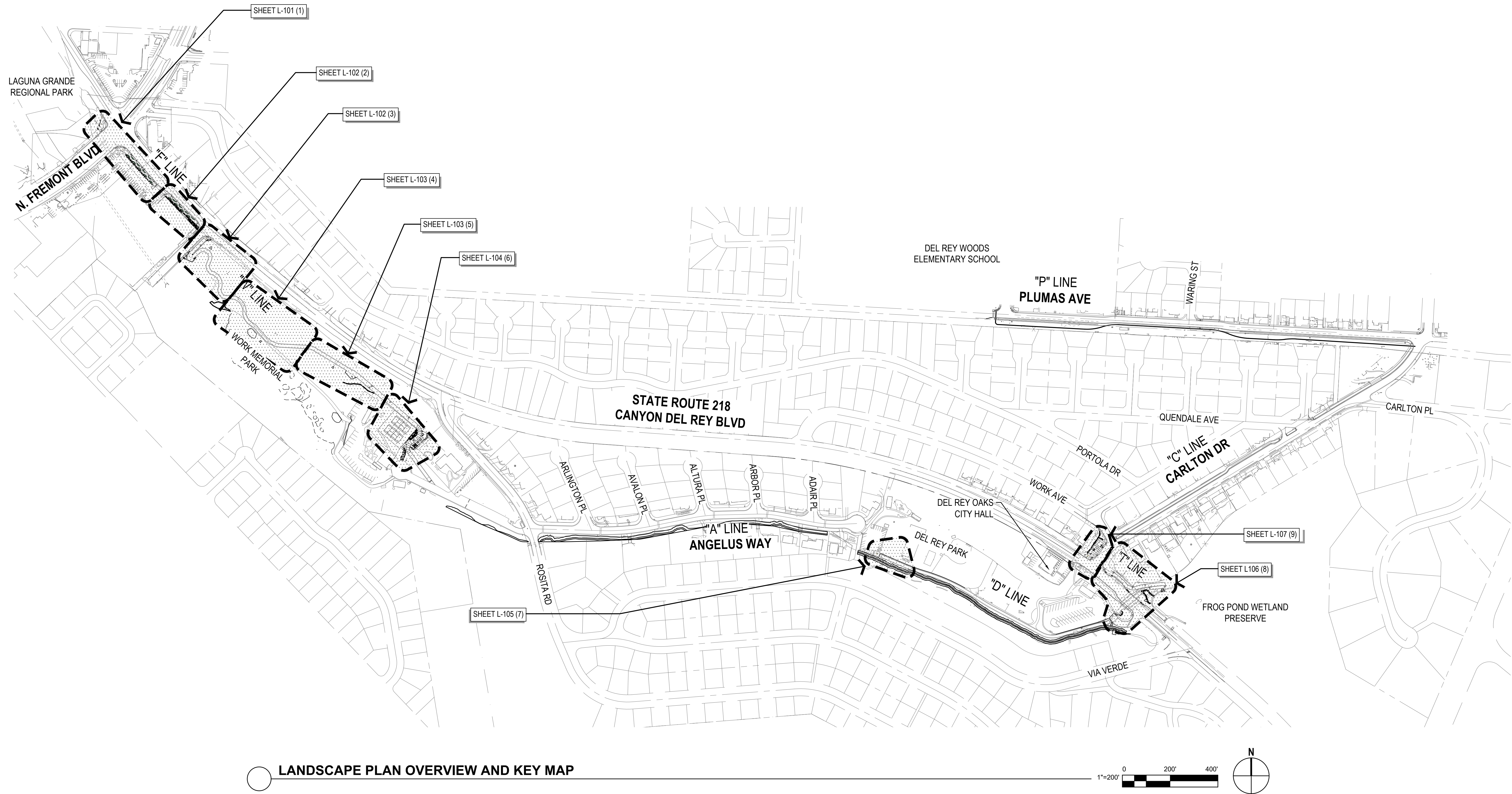
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Project
FORTAG TRAIL PROJECT

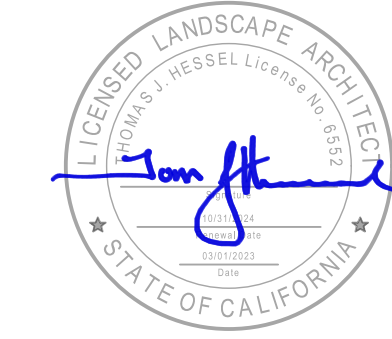
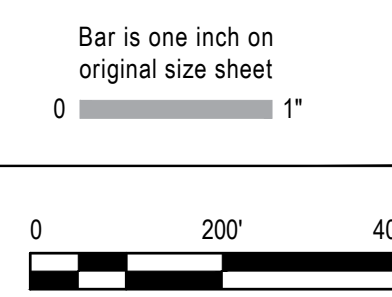
Title **LANDSCAPE PLANTING LEGEND**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Size **ANSI D**
Status Code
Sheet No. **L-004** Sheet **165** of **195**



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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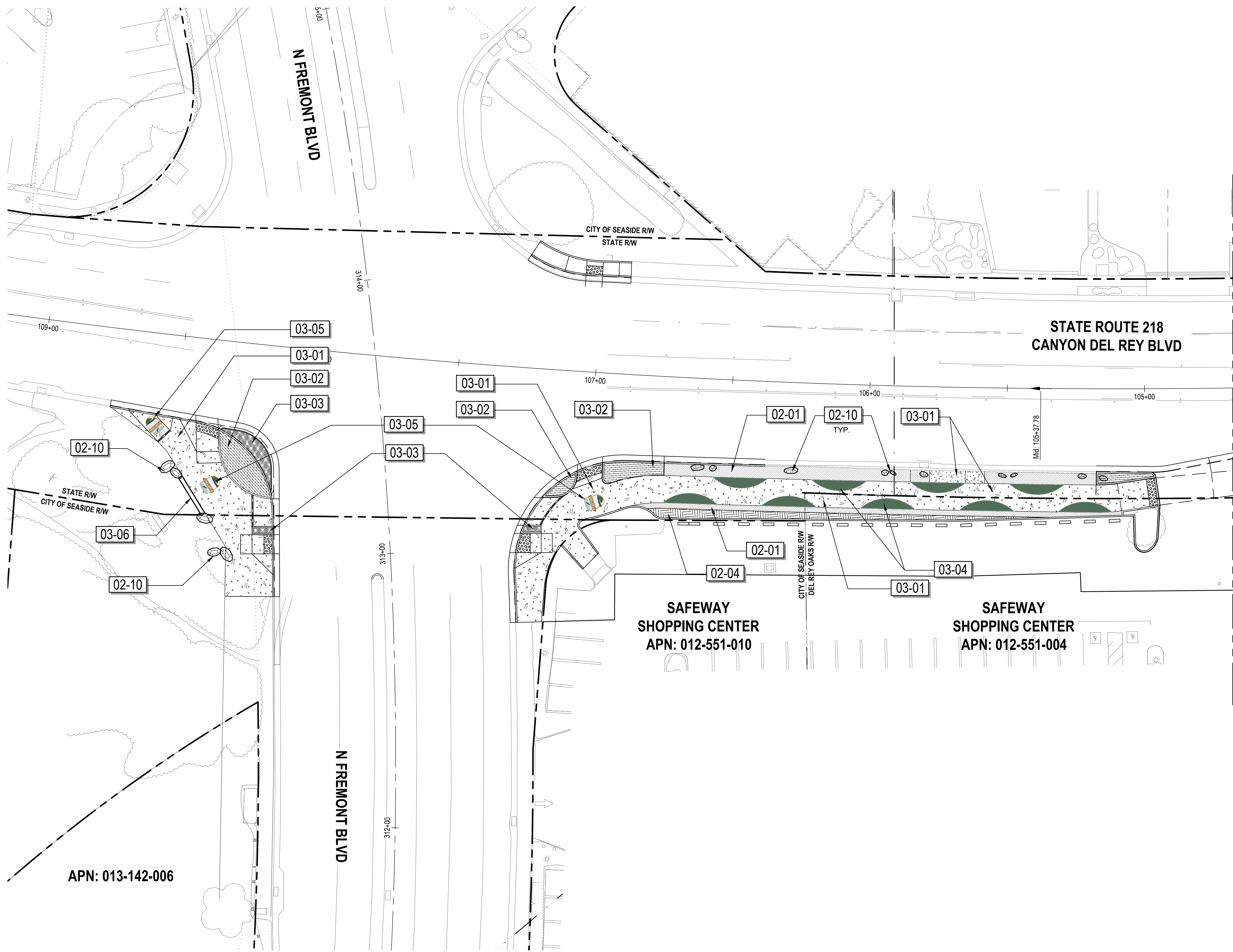
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Project No. 11220281 Date December 1, 2023 Scale AS SHOWN

Title **LANDSCAPE AMENITY OVERVIEW PLAN** Size ANSI D

Sheet No. **L-100** Sheet 166 of 195

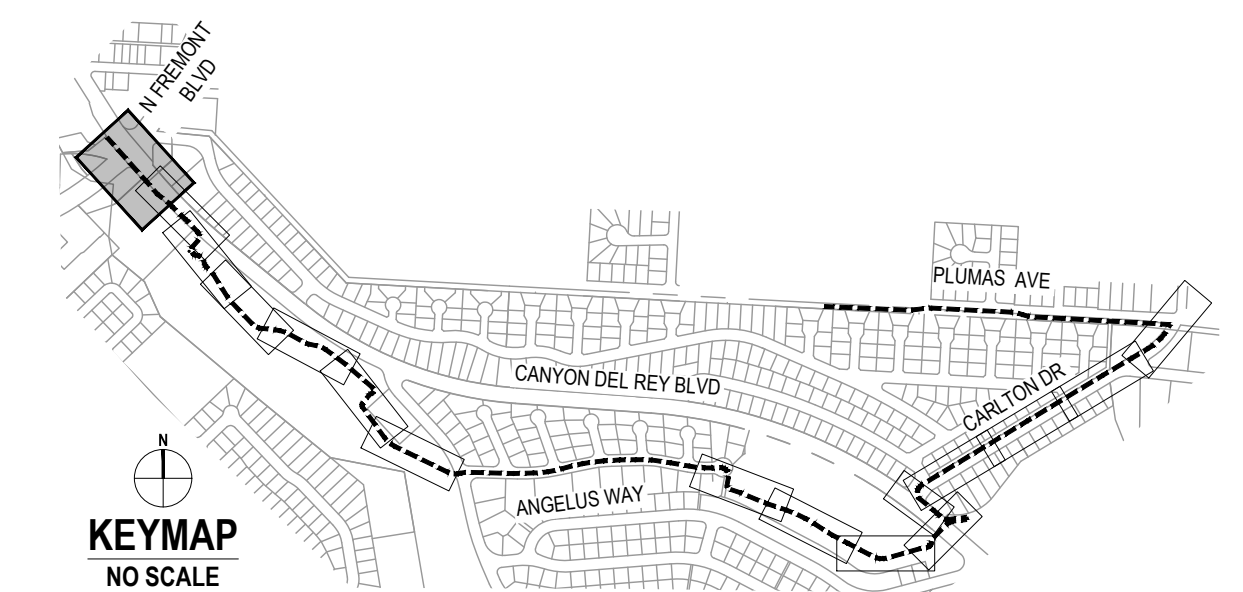


REFERENCE NOTES SCHEDULE L-101

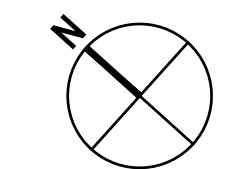
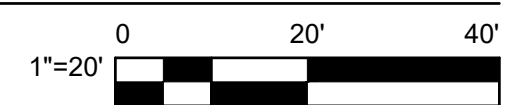
SYMBOL	02 SITE DESCRIPTION	QTY	DETAIL
	02-01 DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	956 SF	7/L-505
	02-04 WOOD MULCH TYPE: WOOD MULCH SHALL BE WOOD CHIP	296 SF	N/A
	02-10 BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD, SIZES FROM 2'-5' SELECTION AND FINAL PLACEMENT TBD IN-FIELD.		1/L-505
SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
	03-01 INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	4,251 SF	N/A
	03-02 CONCRETE STAMP - A PATTERN: CEDAR WOOD PLANK BY BRICKFORM OR APPROVED EQUAL SEE DETAILS	429 SF	2/L-507
	03-03 CONCRETE STAMP - B STONE TEXTURE SEE DETAILS	123 SF	2/L-507
	03-04 DECORATIVE CONCRETE SURFACING ENDURABLEND OR APPROVED EQUAL COLOR-PMS 626 SEE LANDSCAPE DETAILS FOR LAYOUT		4/L-507
	03-05 FORTAG LOGO - WAYFINDING AND TRAIL IDENTIFICATION. ORIENTATION TBD IN FIELD WITH CLIENT REPRESENTATIVE. MANUFACTURER: ENDURABLEND OR APPROVED EQUAL		1/L-507
	03-06 CONCRETE SEAT WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAILS) CONTRACTOR TO DEVELOP 4 SAMPLE PALLETES FOR REVIEW AND APPROVAL. WALL CAP: HANDELSTONE WC510: SANDSTONE - STONE FINISH -103		3/L-505

SEE SHEET L-001 FOR FULL LEGEND

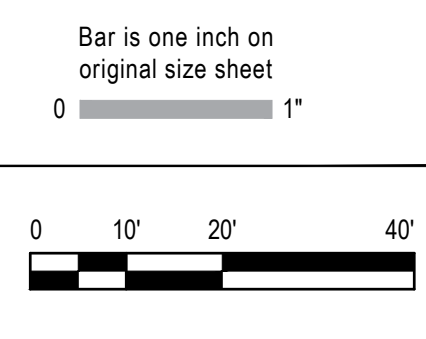
- NOTES:
- SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF TRAIL, CURBS, CROSSINGS AND ASSOCIATED APPURTENANCES.
 - SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR ASSOCIATED LAYOUTS.
 - CONTRACTOR TO COORDINATE BOULDER PLACEMENT IN-FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR TO SET BOULDER LOCATIONS.



1 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



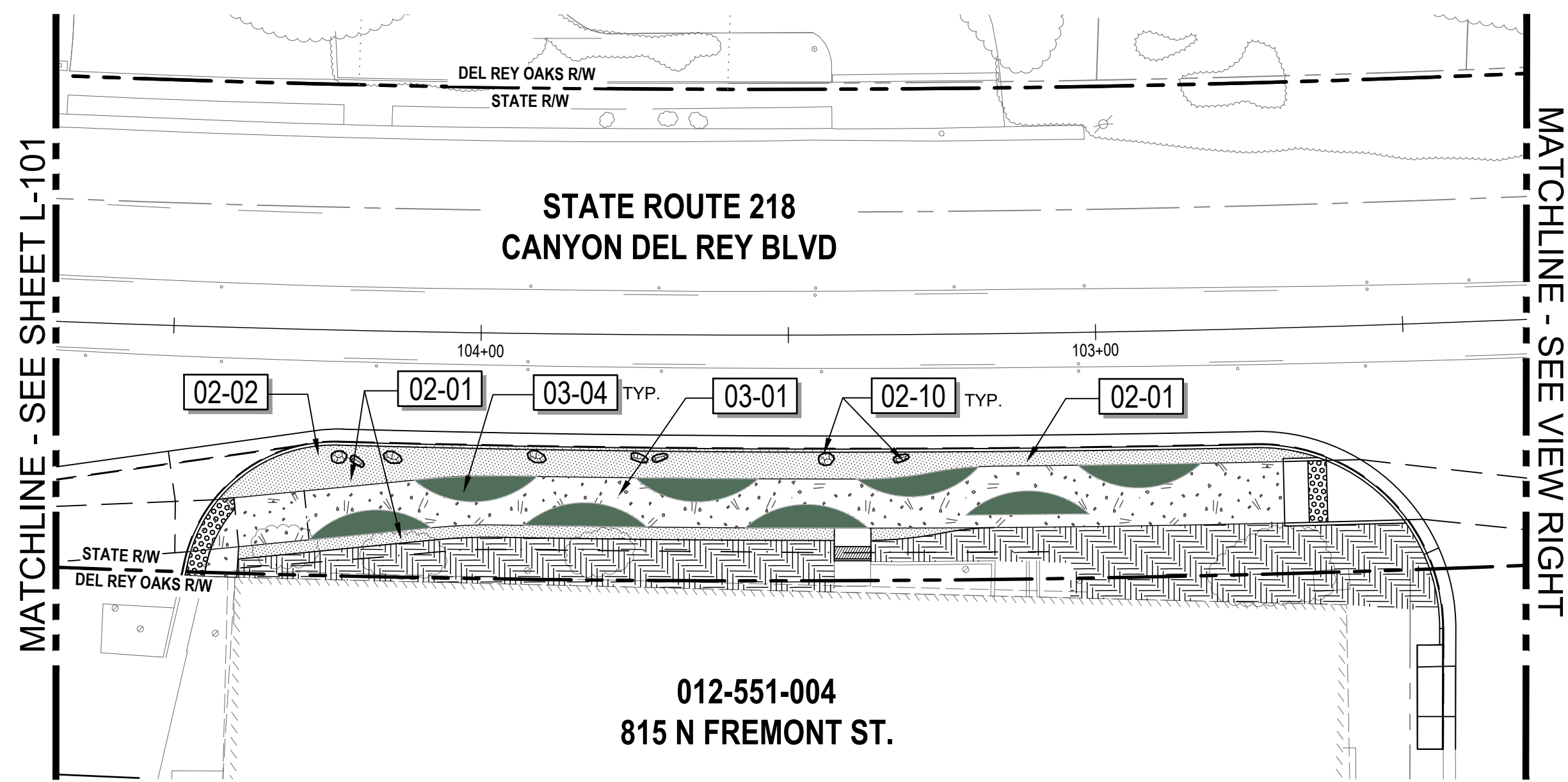
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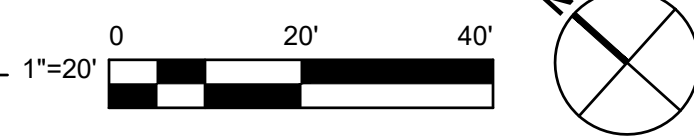


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	LANDSCAPE AMENITY PLAN
Size	ANSI D
Status Code	
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Sheet	167 of 195



2 IMPROVEMENT PLAN

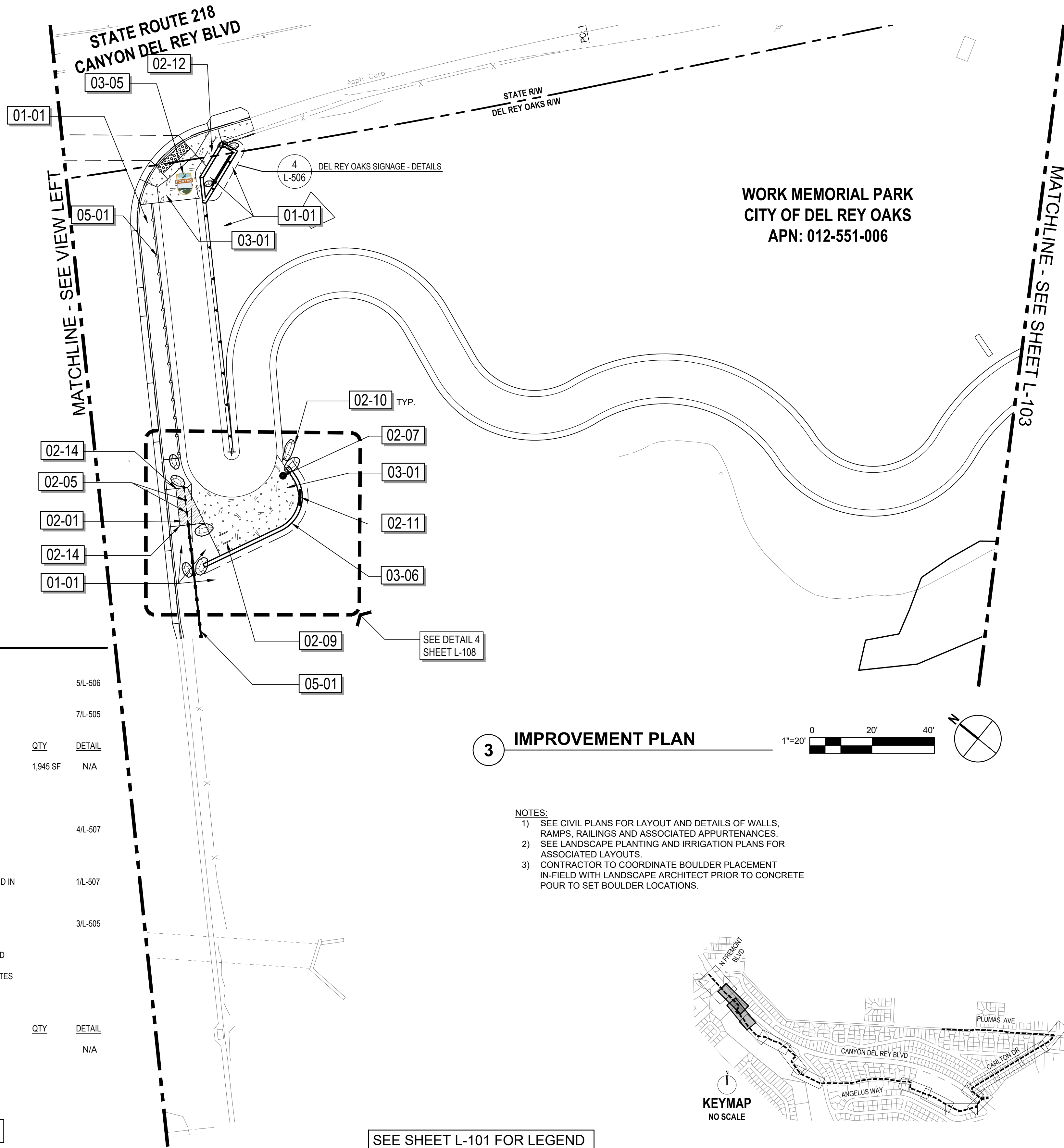


REFERENCE NOTES SCHEDULE L-102

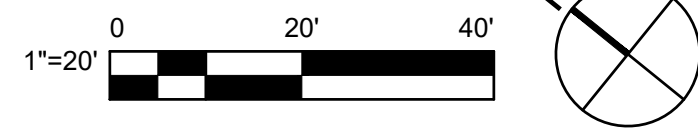
SYMBOL	01 GENERAL DESCRIPTION	QTY	DETAIL
[01-01]	PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS.		N/A
SYMBOL	02 SITE DESCRIPTION	QTY	DETAIL
[02-01]	DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	927 SF	7/L-505
[02-02]	ROCK BLANKET COBBLE ROCK SET IN CONCRETE. SEE LANDSCAPE DETAILS.	SF	1/L-506
[02-04]	WOOD MULCH TYPE: WOOD MULCH SHALL BE WOOD CHIP DEPTH: 4"	1,562 SF	
[02-05]	BOLLARDS MANU: COLUMBIA CASCADE COMPANY MODEL: 2179-02-P CONTEMPORARY BOLLARD OR APPROVED EQUAL	2/L-504	
[02-07]	CORDIATRASH AND RECYCLE RECEPTILES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OPTIONAL ALUMINUM RAIN COVER. OR APPROVED EQUAL	5/L-505	
[02-09]	BAY CITY BIKE RACKS MANU: FORMS & SURFACES MODEL: SKBAY COLOR: TO MATCH OTHER FURNISHINGS (TBD)	4/L-505	
[02-10]	BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2'-5' SELECTION AND FINAL PLACEMENT TBD IN-FIELD.	1/L-505	
[02-11]	INTERPRETIVE SIGNAGE - SIGNAGE ATTACHMENT, GRAPHICS CONTENT AND DETAILS BY OTHERS. SHOWN FOR DESIGN INTENT ONLY.	7/L-504	

SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
[02-12]	NEW DEL REY OAKS WELCOME SIGNAGE. SEE DETAILS FOR CONCEPTUAL DESIGN.	5/L-506	
[02-14]	EDGING (METAL)	7/L-505	
SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
[03-01]	INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	1,945 SF	N/A
[03-04]	DECORATIVE CONCRETE SURFACING ENDURABLEND OR APPROVED EQUAL COLOR-PMS 626 SEE LANDSCAPE DETAILS FOR LAYOUT	4/L-507	
[03-05]	FORTAG LOGO - WAYFINDING AND TRAIL IDENTIFICATION. ORIENTATION TBD IN FIELD WITH CLIENT REPRESENTATIVE. MANUFACTURER: ENDURABLEND OR APPROVED EQUAL	1/L-507	
[03-06]	CONCRETE SEAT WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAILS) CONTRACTOR TO DEVELOP 4 SAMPLE PALLETES FOR REVIEW AND APPROVAL. WALL CAP: HANDELSTONE WC510: SANDSTONE - STONE FINISH -103	3/L-505	
SYMBOL	05 METAL DESCRIPTION	QTY	DETAIL
[05-01]	4' HIGH TWO RAIL PICKET FENCE COLOR: BLACK FABRICATE IN-FIELD. CONTRACTOR TO SELECT FABRICATOR AND SUPPLY SHOP DRAWINGS FOR APPROVAL.	N/A	

SEE SHEET L-001 FOR FULL LEGEND



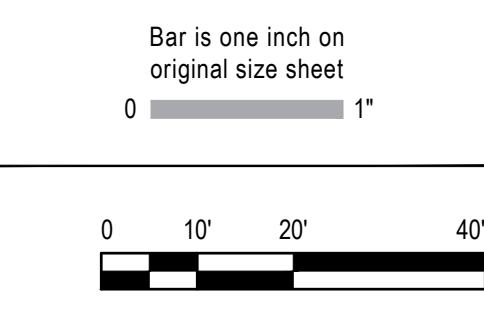
3 IMPROVEMENT PLAN



- NOTES:
- 1) SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF WALLS, RAMPS, RAILINGS AND ASSOCIATED APPURTENANCES.
 - 2) SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR ASSOCIATED LAYOUTS.
 - 3) CONTRACTOR TO COORDINATE BOULDER PLACEMENT IN-FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR TO SET BOULDER LOCATIONS.

SEE SHEET L-101 FOR LEGEND

No.	Issue	Author	Checked	Approved	Date
		N/A	LP	LP	
		SR, TH, LP	LP	K. VEDULA	



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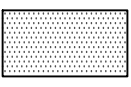





Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title LANDSCAPE AMENITY PLAN
Project FORTAG TRAIL PROJECT	Project No. 11220281
Date December 1, 2023	Scale AS SHOWN

Size ANSI D	Status Code
Sheet No. L-102	Sheet 168 of 195

WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006

REFERENCE NOTES SCHEDULE L-103

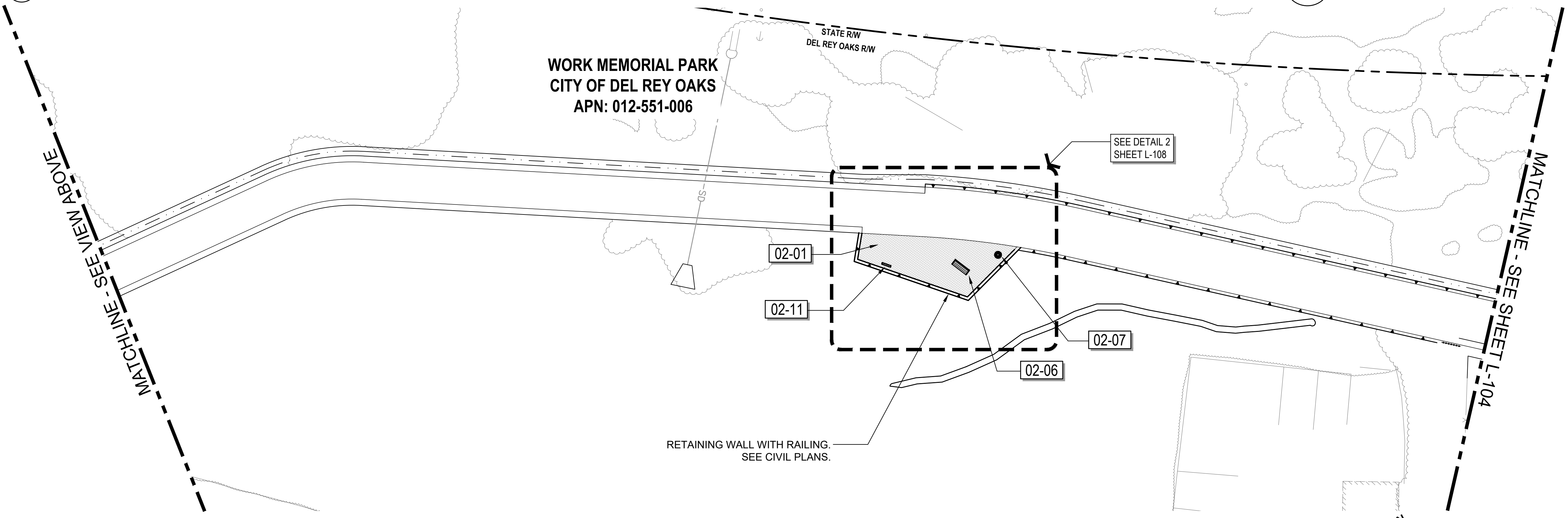
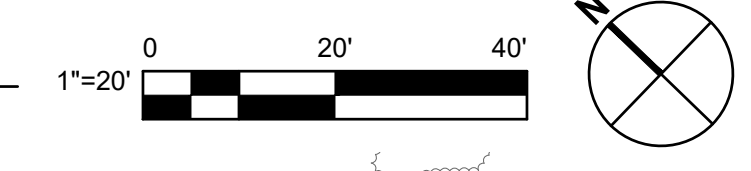
SYMBOL	02 SITE DESCRIPTION	QTY	DETAIL
	02-01 DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	622 SF	7/L-505
	02-06 CAMBER BENCH MANU: FORMS & SURFACES MODEL: SBCAM-72BW DESC: CAMBER BENCH, 6', FSC 100% CUMARU HARWOOD SLATS COLOR: RAL COLOR POWDERCOAT (TBD) OR APPROVED EQUAL		5/L-504
	02-07 CORDIATRASH AND RECYCLE RECEPTILES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD, OPTIONAL ALUMINUM RAIN COVER, OR APPROVED EQUAL		5/L-505
	02-11 INTERPRETIVE SIGNAGE - SIGNAGE ATTACHMENT, GRAPHICS CONTENT AND DETAILS BY OTHERS. SHOWN FOR DESIGN INTENT ONLY.		7/L-504

SEE SHEET L-001 FOR FULL LEGEND

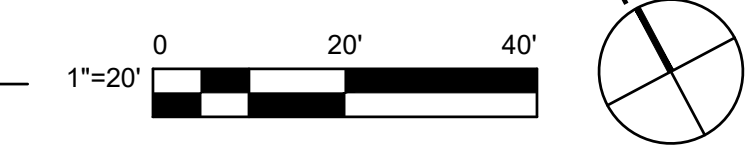
NOTES:

- 1) SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF RAMPS, WALLS, RAILINGS AND ASSOCIATED APPURTENANCES.
- 2) SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR GARDEN LAYOUTS.

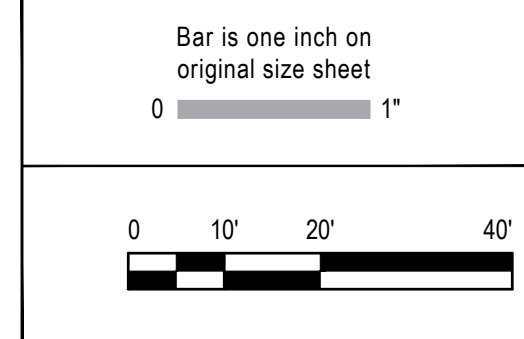
4 IMPROVEMENT PLAN



5 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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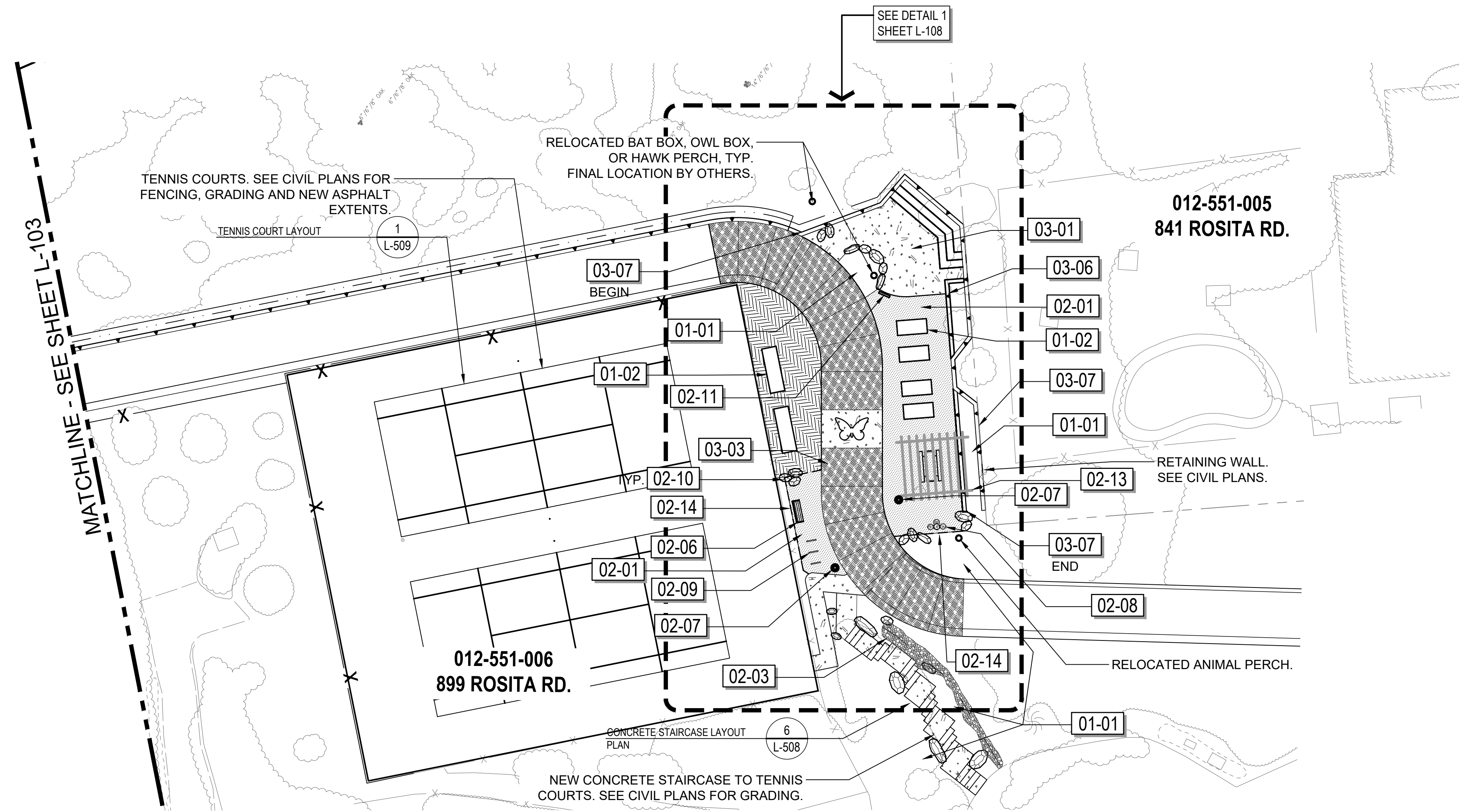
Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title LANDSCAPE AMENITY PLAN
Project FORTAG TRAIL PROJECT	Project No. 11220281
Date December 1, 2023	Scale AS SHOWN

Size
ANSI D

Status Code

Sheet No.
L-103

Sheet
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6 IMPROVEMENT PLAN

- NOTES:**
- 1) SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF RAMPS, WALLS, RAILINGS AND ASSOCIATED APPURTENANCES.
 - 2) SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR GARDEN LAYOUTS.
 - 3) CONTRACTOR TO COORDINATE BOULDER PLACEMENT IN-FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR TO SET BOULDER LOCATIONS.

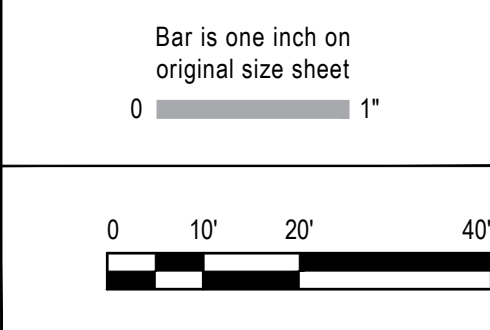
SEE SHEET L-001 FOR FULL LEGEND

REFERENCE NOTES SCHEDULE L-104

SYMBOL	01 GENERAL DESCRIPTION	QTY	DETAIL
[Symbol]	01-01 PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS.		N/A
[Symbol]	01-02 STEEL RAISED PLANTERS. PLANTING AND SOIL BY OTHERS.	4/L-504	
SYMBOL	02 SITE DESCRIPTION	QTY	DETAIL
[Symbol]	02-01 DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	1,319 SF	7/L-505
[Symbol]	02-03 RIVER COBBLE RIP RAP TYPE: RIVERBED MIX - 1/4"-8" COBBLE FROM HASTIE'S OR APPROVED EQUAL	145 SF	N/A
[Symbol]	02-04 WOOD MULCH TYPE: WOOD MULCH SHALL BE WOOD CHIP DEPTH: 4"	660 SF	N/A
[Symbol]	02-06 CAMBER BENCH MANU: FORMS & SURFACES MODEL: SBCAM-72BW DESC: CAMBER BENCH, 6' FSC 100% CUMARU HARWOOD SLATS COLOR: RAL COLOR POWDERCOAT (TBD) OR APPROVED EQUAL		5/L-504
[Symbol]	02-07 CORDIATRASH AND RECYCLE RECEPTILES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OPTIIONAL ALUMINUM RAIN COVER. OR APPROVED EQUAL		5/L-505
[Symbol]	02-08 HYDRATION STATION MANU: MDF (MOST DEPENDABLE FOUNTAINS) MODEL: 10145 SM OR SMSS W/ OPTIONAL PET FOUNTAIN COLOR: TEXTURED BLACK (TBD)		3/L-504
[Symbol]	02-09 BAY CITY BIKE RACKS MANU: FORMS & SURFACES MODEL: SKBAY COLOR: TO MATCH OTHER FURNISHINGS (TBD)		4/L-505
[Symbol]	02-10 BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2'-5' SELECTION AND FINAL PLACEMENT TBD IN-FIELD.		1/L-505
[Symbol]	02-11 INTERPRETIVE SIGNAGE - SIGNAGE ATTACHMENT, GRAPHICS CONTENT AND DETAILS BY OTHERS. SHOWN FOR DESIGN INTENT ONLY.		7/L-504
[Symbol]	02-13 BUTTERFLY GARDEN ARBOR STRUCTURE. MANU: POLIGON MODEL: MSE SIZE: CUSTOM 14'X16' ROOF: STANDING SEAM/T&G WOOD ROOF DECK COLOR: FRAME-POWDERCOAT BLACK (TBD), ROOF-PATINA GREEN, WOOD-BURNT HICKORY FINAL FINISH COLORS AND OPTIONS TBD		2/L-509
[Symbol]	02-14 EDGING (METAL)		7/L-505
SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
[Symbol]	03-01 INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	1,165 SF	N/A
[Symbol]	03-03 CONCRETE STAMP - B STONE TEXTURE SEE DETAILS	1,933 SF	2/L-507
[Symbol]	03-06 CONCRETE SEAT WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAIL 1/L508) WALL CAP: HANDELSTONE WC510: SANDSTONE - STONE FINISH -103		3/L-505
[Symbol]	03-07 CONCRETE WALL FORMLINER-01 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (COLORS AND MANUF. TBD) CONTRACTOR TO DEVELOP 4 SAMPLE PALLETES FOR REVIEW AND APPROVAL. SEE CIVIL PLANS FOR RETAINING WALL DETAILS AND COORDINATION.		1/L-508



No.	Issue	Author	Checked	Approved	Date
	N/A	SR, TH, LP	LP	L. VAN PARYS	
		Designer	Design Check	Project Director	
		SR, TH, LP	LP	K. VEDULA	



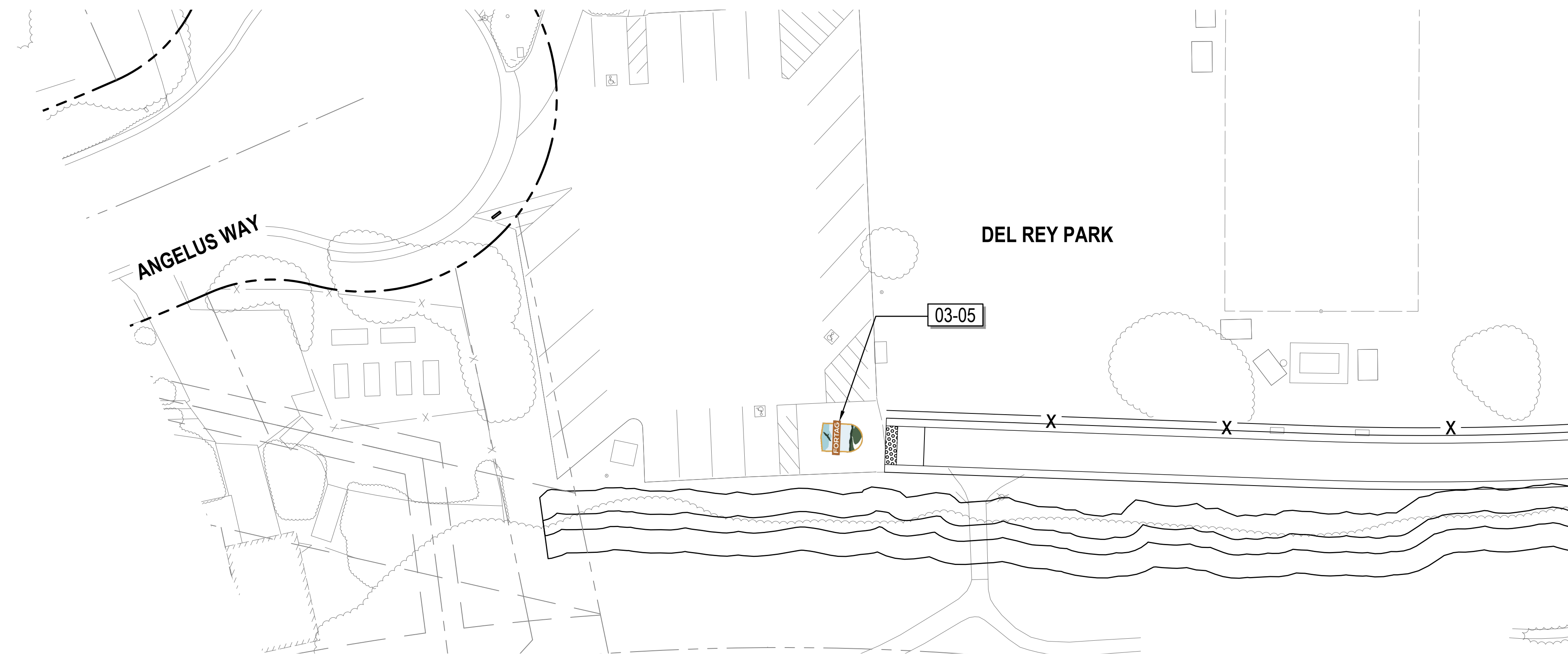
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	LANDSCAPE AMENITY PLAN
Size	ANSI D
Status Code	
Sheet No.	L-104
Sheet	170 of 195

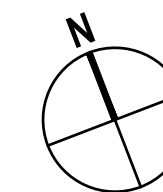


REFERENCE NOTES SCHEDULE L-105

SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
03-05	FORTAG LOGO - WAYFINDING AND TRAIL IDENTIFICATION. ORIENTATION TBD IN FIELD WITH CLIENT REPRESENTATIVE. MANUFACTURER: ENDURABLEND OR APPROVED EQUAL		1/L-507

SEE SHEET L-001 FOR FULL LEGEND

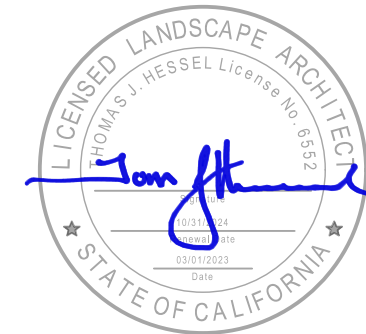
7 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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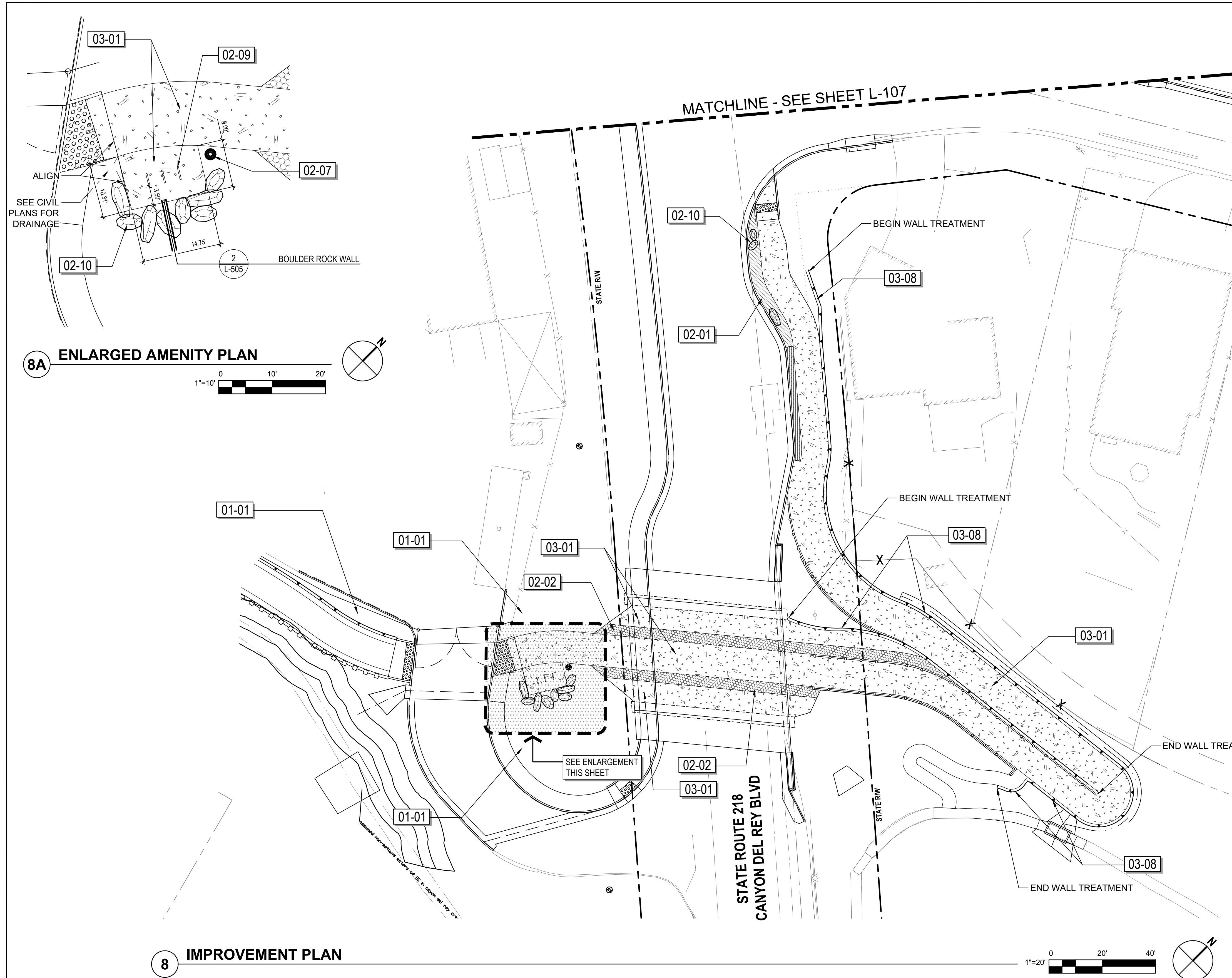
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	LANDSCAPE AMENITY PLAN
Sheet No.	L-105
Sheet	171 of 195



REFERENCE NOTES SCHEDULE L-106

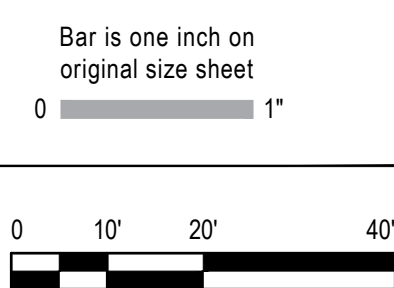
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[01-01]	PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS.		N/A
SYMBOL	02 SITE DESCRIPTION	QTY	DETAIL
[02-01]	DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	216 SF	7/L-505
[02-02]	ROCK BLANKET COBBLE ROCK SET IN CONCRETE. SEE LANDSCAPE DETAILS.	841 SF	1/L-506
[02-07]	CORDIATRASH AND RECYCLE RECEPTILES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OTPTIONAL ALUMINUM RAIN COVER. OR APPROVED EQUAL		5/L-505
[02-09]	BAY CITY BIKE RACKS MANU: FORMS & SURFACES MODEL: SKBAY COLOR: TO MATCH OTHER FURNISHINGS (TBD)		4/L-505
[02-10]	BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2'-5' SELECTION AND FINAL PLACEMENT TBD IN-FIELD.		1/L-505 N/A
SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
[03-01]	INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	7,720 SF	
[03-02]	CONCRETE STAMP - A PATTERN: CEDAR WOOD PLANK BY BRICKFORM OR APPROVED EQUAL SEE DETAILS	107 SF	2/L-507
[03-08]	CONCRETE WALL FORMLINER-02 POURED-IN-PLACE CONCRETE WALLS WITH FORMLINER FINISH. FORMLINER:PATTERN 16956-CORPS FIN (BY FITZGERALD FORMLINERS OR APPROVED EQUAL) INTEGRAL CONCRETE COLOR: DAVIS COLOR-6804-CLIFFSIDE BROWN SEE CIVIL AND STRUCTURAL PLANS FOR RETAINING WALL DETAILS AND COORDINATION.		2/L-508

SEE SHEET L-001 FOR FULL LEGEND

- NOTES:
- SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF RAMPS, WALLS, RAILINGS AND ASSOCIATED APPURTENANCES.
 - SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR GARDEN LAYOUTS.
 - CONTRACTOR TO COORDINATE BOULDER PLACEMENT IN-FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR TO SET BOULDER LOCATIONS.



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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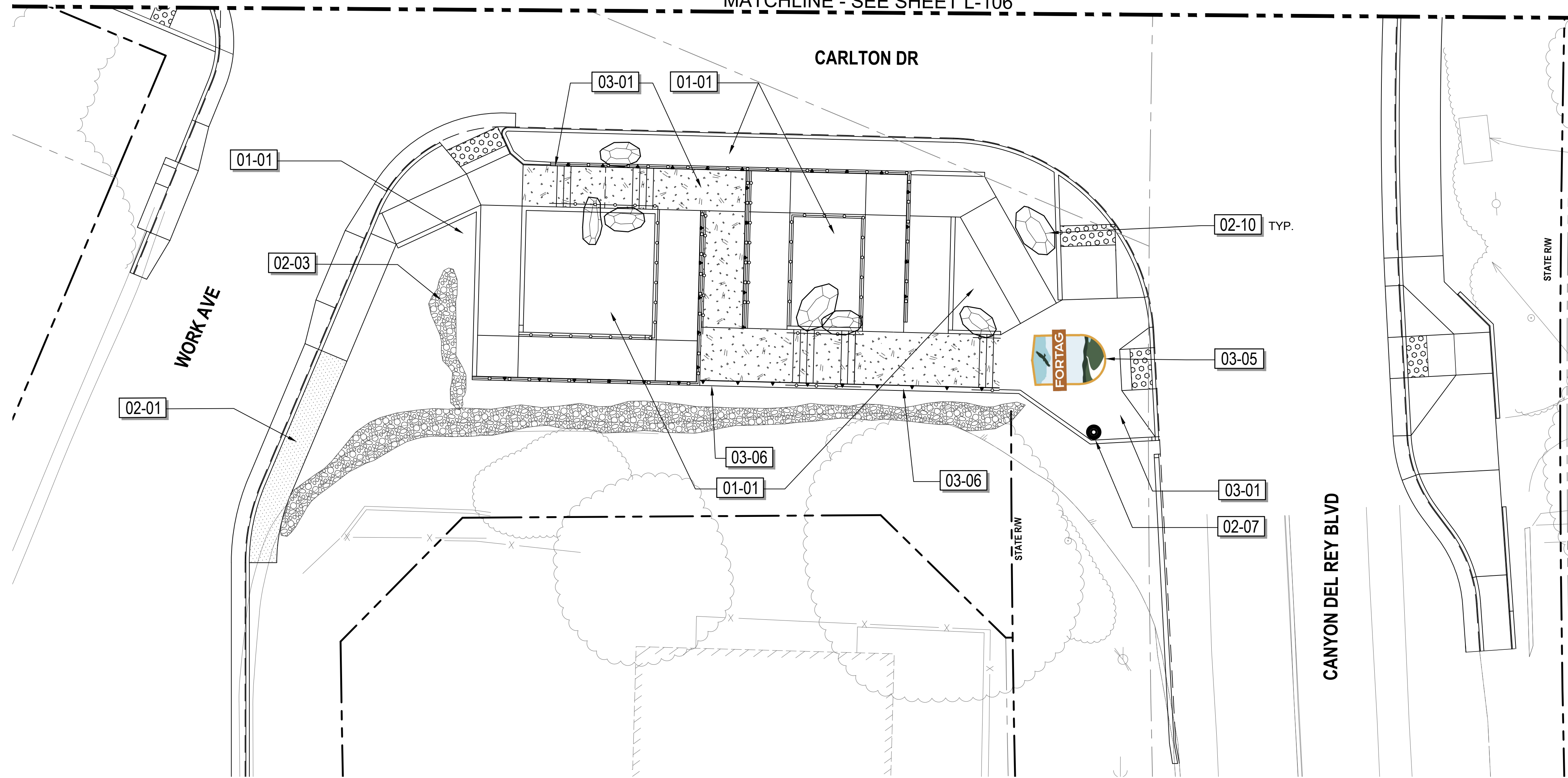


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	LANDSCAPE AMENITY PLAN
Size	ANSI D
Status Code	
Sheet No.	L-106
Sheet	172 of 195

MATCHLINE - SEE SHEET L-106

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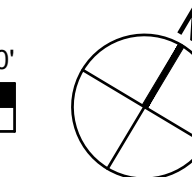
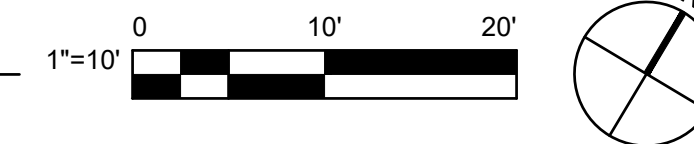
REFERENCE NOTES SCHEDULE L-107

SYMBOL	01 GENERAL DESCRIPTION	QTY	DETAIL
[Symbol]	01-01 PLANTER AREA - SEE SHEETS L-120 THRU L-129 FOR PLANTING PLANS.		N/A
SYMBOL	02 SITE DESCRIPTION	QTY	DETAIL
[Symbol]	02-01 DECOMPOSED GRANITE SURFACE COLOR: TAN SUPPLIER: TBD SEE LANDSCAPE DETAILS FOR MORE INFO.	128 SF	7/L-505
[Symbol]	02-03 RIVER COBBLE RIP RAP TYPE: RIVERBED MIX - 1/4"-8" COBBLE FROM HASTIE'S OR APPROVED EQUAL	424 SF	
[Symbol]	02-07 CORDIATRASH AND RECYCLE RECEPTICLES MANU: FORMS & SURFACES MODEL NO: SLCOR-136C DESC: CORDIA RECEPTACLE, 36-GALLON, SINGLE-STREAM, (1) 36-GALLON LINER, FSC® 100% CUMARU HARDWOOD. OPTIONAL ALUMINUM RAIN COVER, OR APPROVED EQUAL	5/L-505	N/A
[Symbol]	02-10 BOULDERS MOSS ROCK BOULDERS SUPPLIER TBD. SIZES FROM 2'-5' SELECTION AND FINAL PLACEMENT TBD IN-FIELD.	1/L-505	
SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
[Symbol]	03-01 INTEGRAL COLOR CONCRETE PAVING COLOR: DAVIS COLOR 5237-SANDSTONE, OR APPROVED EQUAL LIGHT BROOM FINISH SEE CIVIL PLANS FOR CONCRETE DETAILS	636 SF	
[Symbol]	03-05 FORTAG LOGO - WAYFINDING AND TRAIL IDENTIFICATION. ORIENTATION TBD IN FIELD WITH CLIENT REPRESENTATIVE. MANUFACTURER: ENDURABLEND OR APPROVED EQUAL	1/L-507	
[Symbol]	03-06 CONCRETE SEAT WALLS POURED-IN-PLACE CONCRETE SEAT WALLS WITH FORMLINER FINISH AND STAIN. FORMLINER: FITZLOK-17003LP MANKATO QUARRIED STONE (BY FITZGERALD FORMLINERS) COLOR: STAIN (SEE DETAIL 1/L508) WALL CAP: HANDELSTONE WCS10: SANDSTONE - STONE FINISH -103	3/L-505	

SEE SHEET L-001 FOR FULL LEGEND

- NOTES:
- SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF STAIRS, RAMPS, RAILINGS AND ASSOCIATED APPURTENANCES.
 - SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR GARDEN LAYOUTS.
 - CONTRACTOR TO COORDINATE BOULDER PLACEMENT IN-FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR TO SET BOULDER LOCATIONS.

9 IMPROVEMENT PLAN

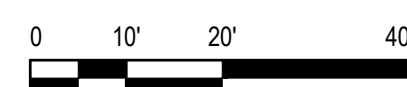


SEE SHEET L-101 FOR LEGEND

No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

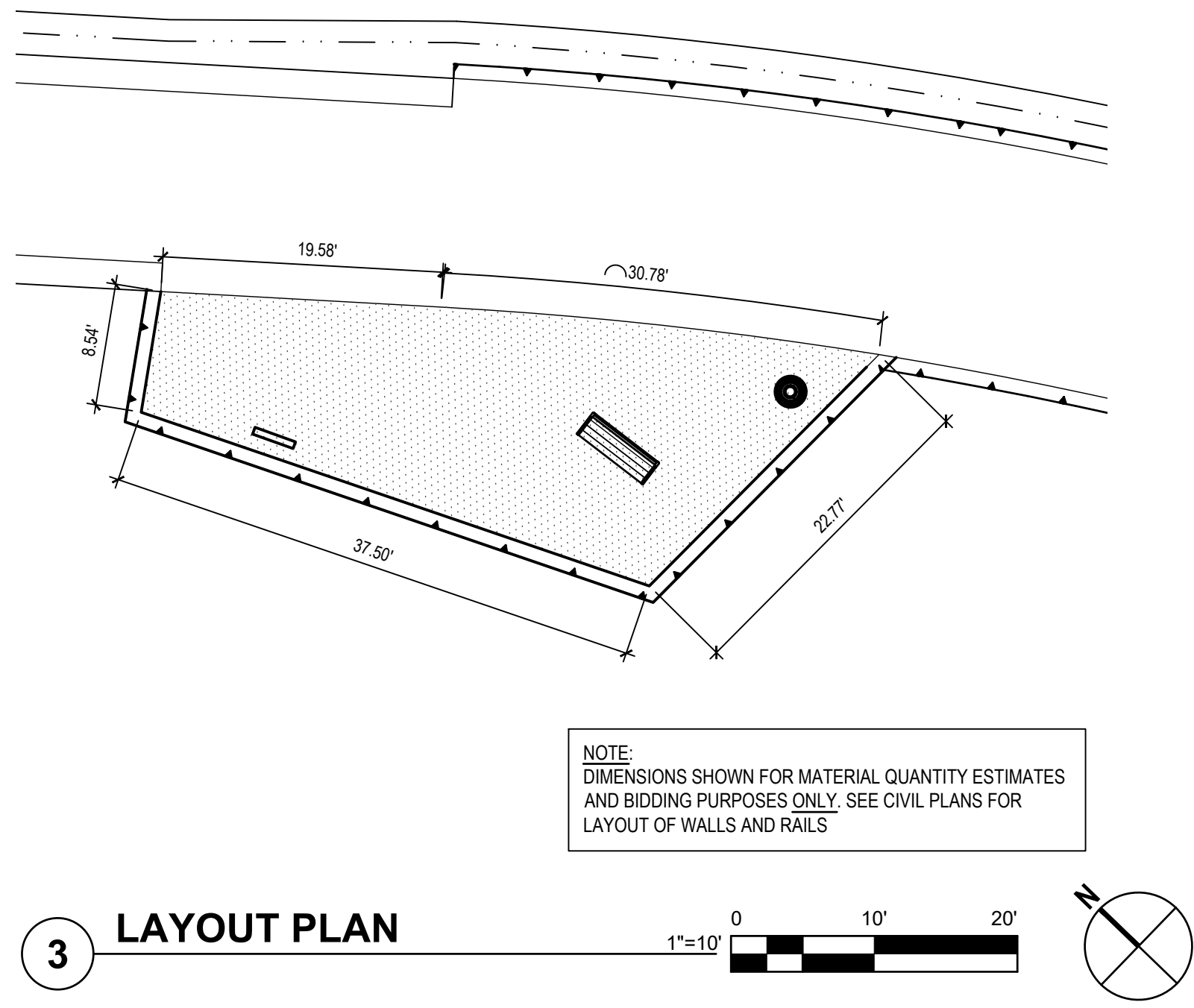
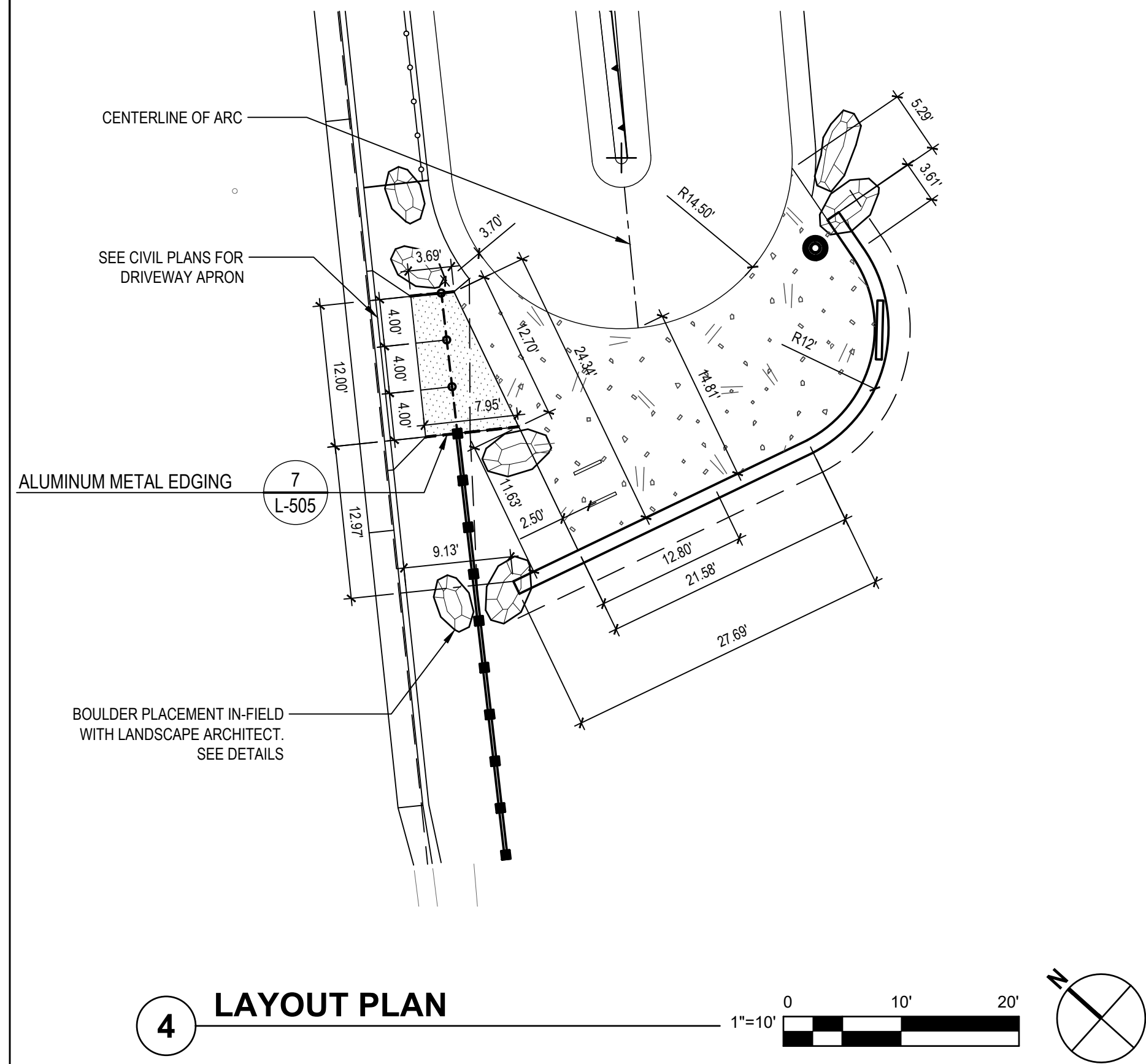
Project No. 11220281 Date December 1, 2023 Scale AS SHOWN

Title LANDSCAPE AMENITY PLAN

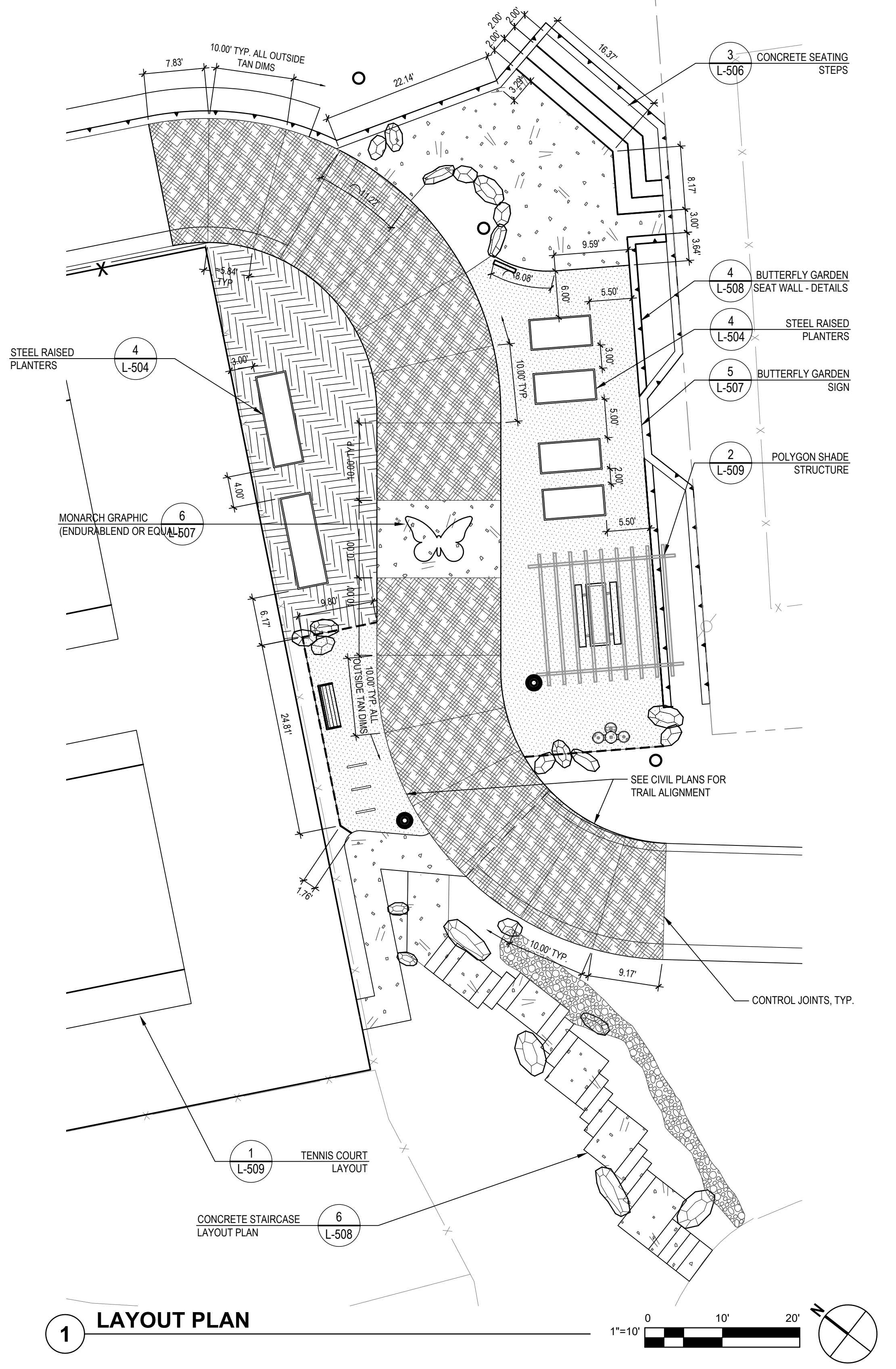
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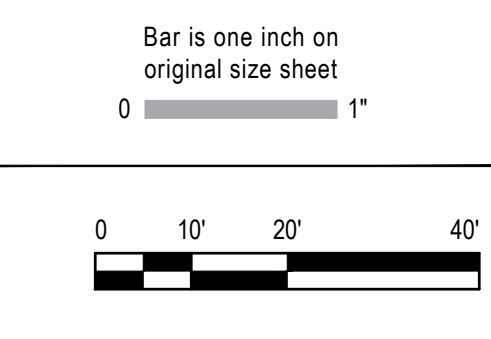
Sheet No. L-107 Sheet 173 of 195



- NOTES:
- 1) SEE CIVIL PLANS FOR LAYOUT AND DETAILS OF RAMPS, WALLS, RAILINGS AND ASSOCIATED APPURTENANCES.
 - 2) SEE LANDSCAPE PLANTING AND IRRIGATION PLANS FOR GARDEN LAYOUTS.
 - 3) CONTRACTOR TO COORDINATE BOULDER PLACEMENT IN-FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR TO SET BOULDER LOCATIONS.



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



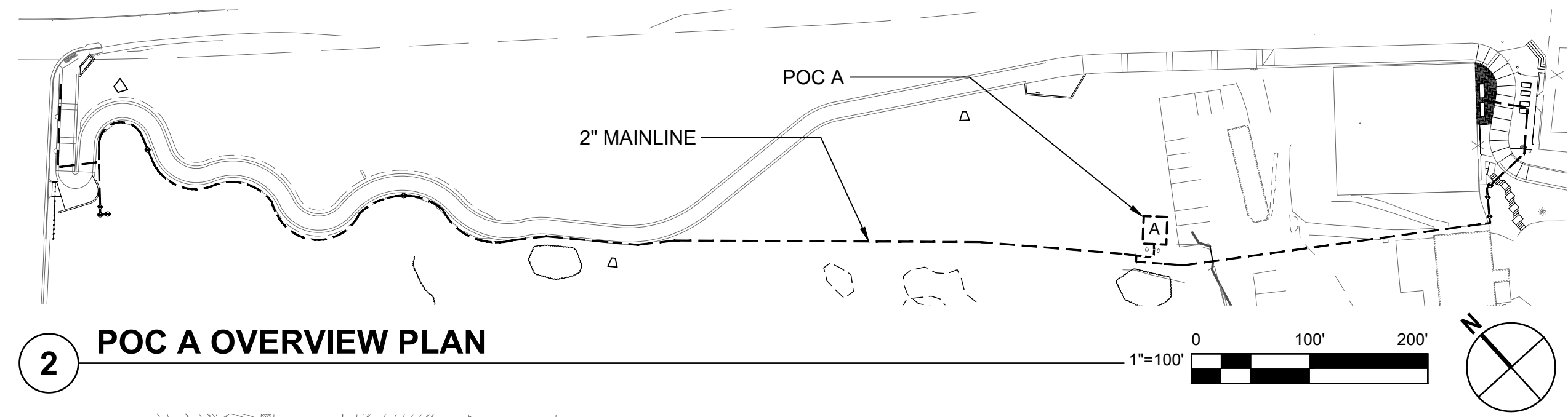
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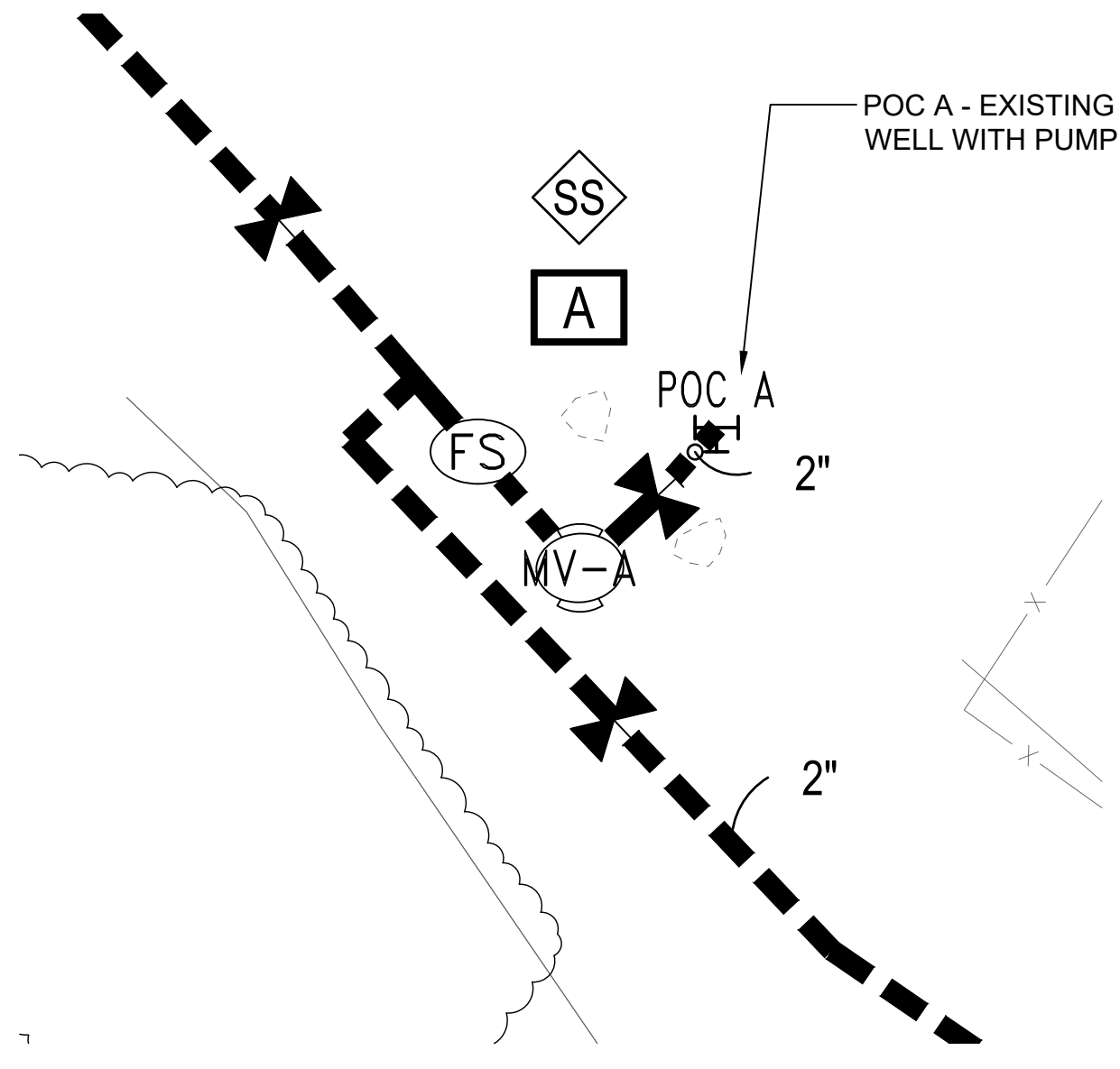


Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

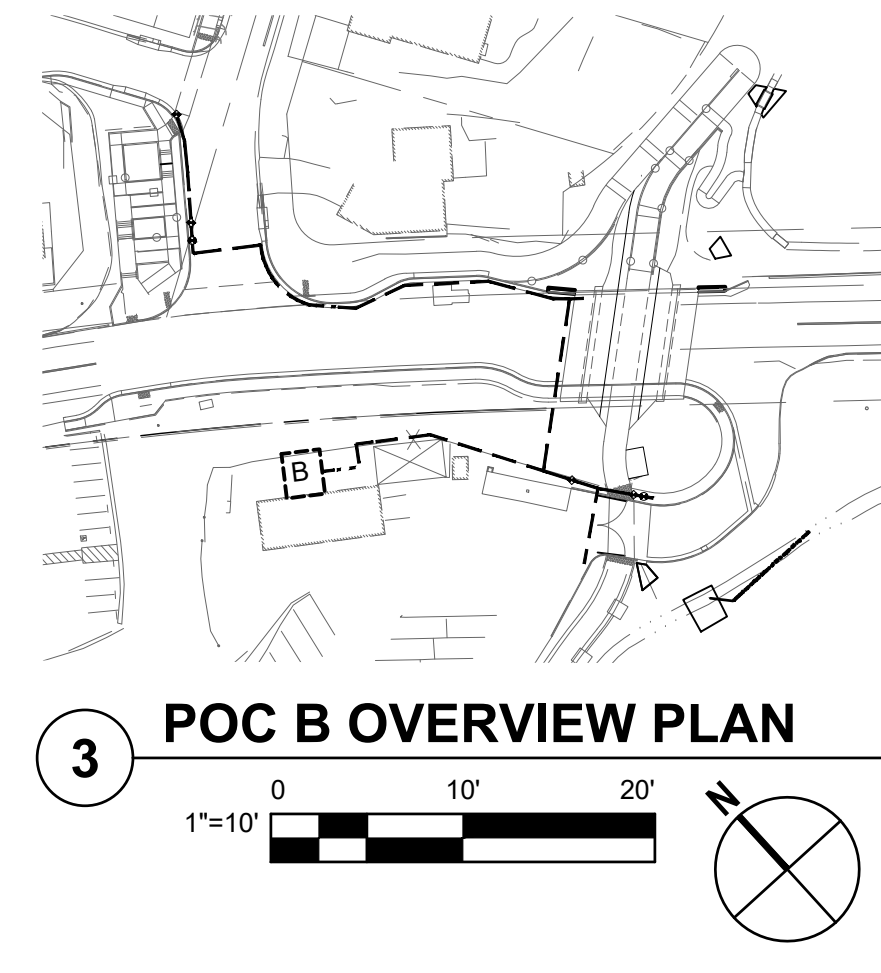
Title	LANDSCAPE AMENITY LAYOUT PLANS	Size	ANSI D
Sheet No.	L-108	Sheet	174 of 195
Status Code			



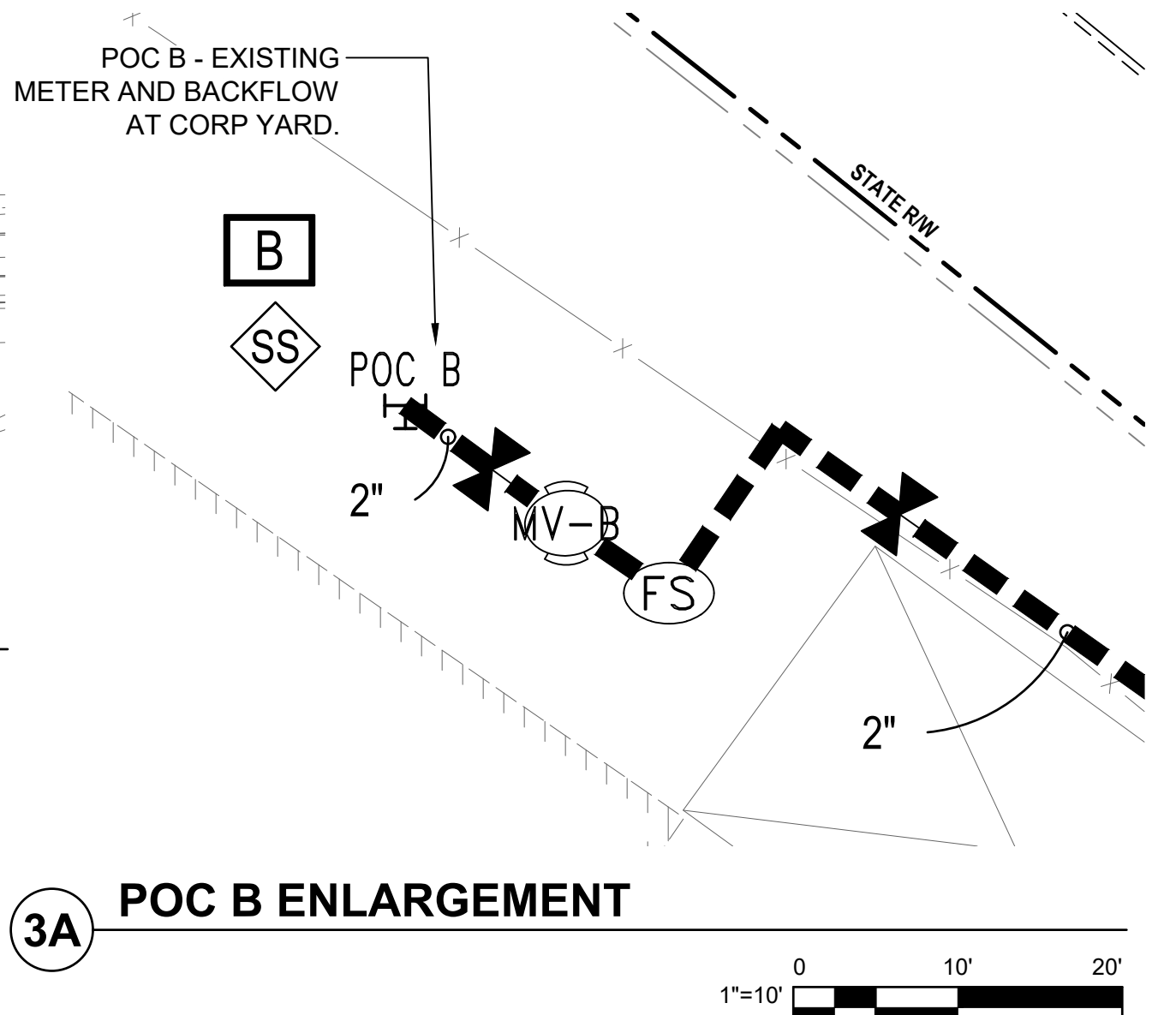
2 POC A OVERVIEW PLAN



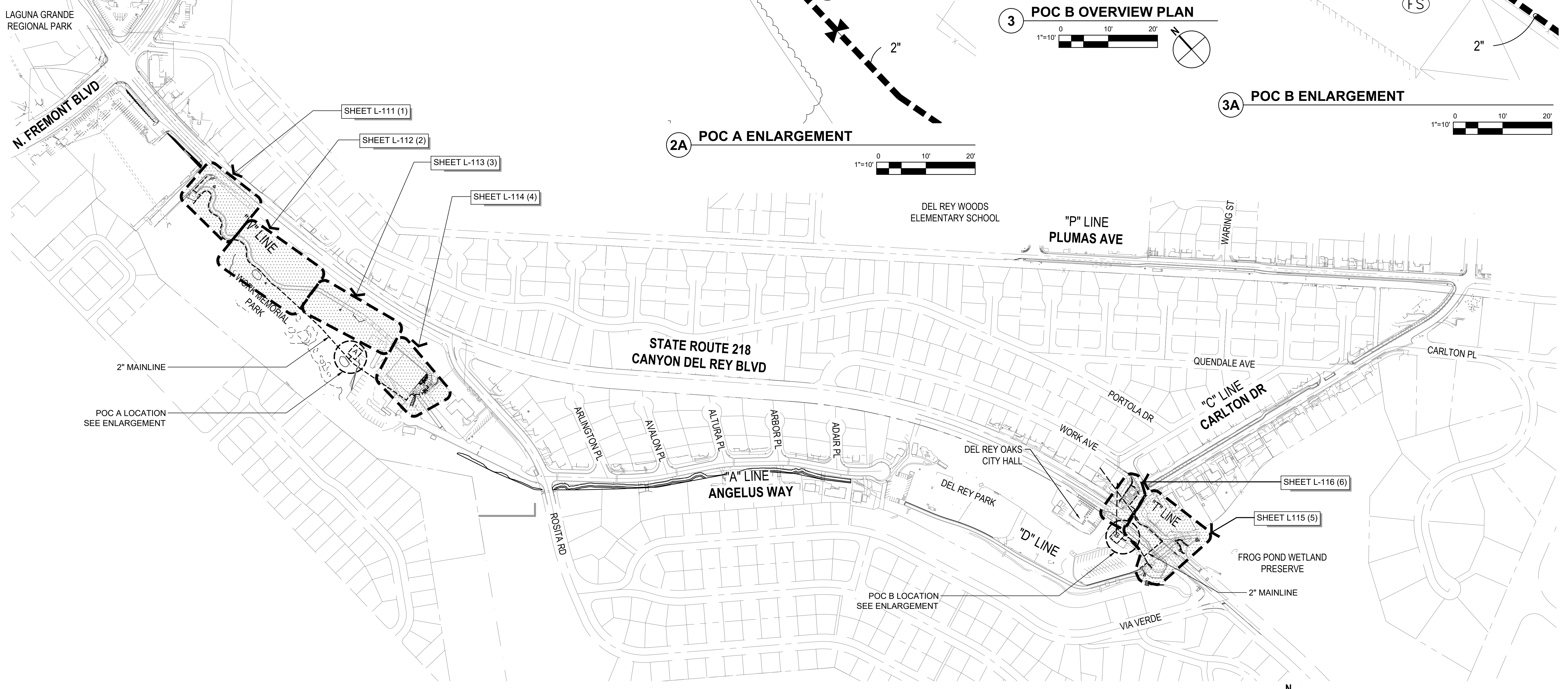
2A POC A ENLARGEMENT



3 POC B OVERVIEW PLAN

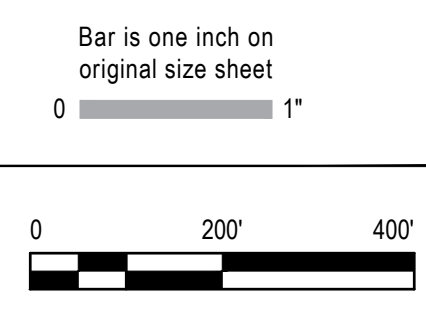


3A POC B ENLARGEMENT



1 IRRIGATION PLAN OVERVIEW AND KEY MAP

No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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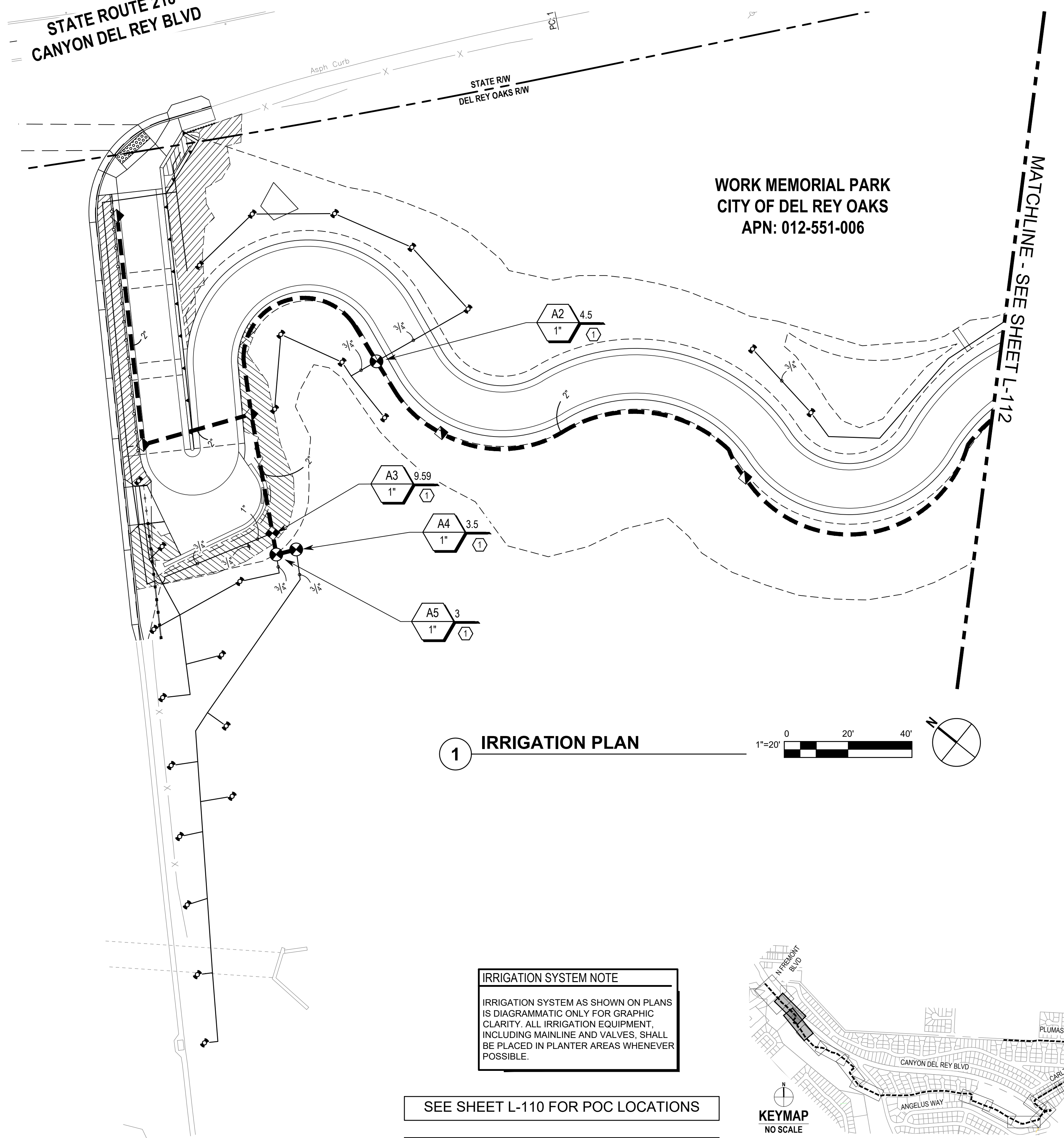
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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Project No. 11220281	Date December 1, 2023	Scale AS SHOWN
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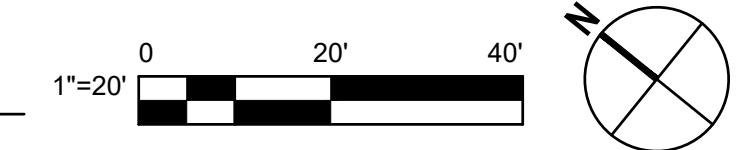
Title LANDSCAPE IRRIGATION OVERVIEW PLAN	Size ANSI D
Sheet No. L-110	Sheet 175 of 195

STATE ROUTE 218
CANYON DEL REY BLVD



WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006

1 IRRIGATION PLAN



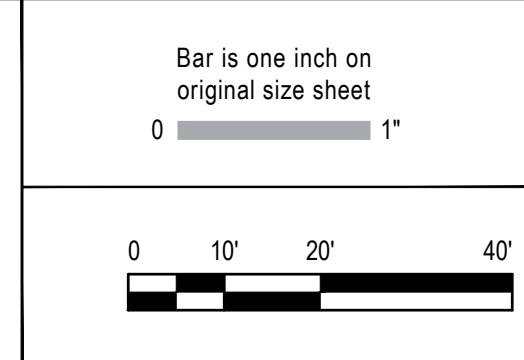
IRRIGATION SYSTEM NOTE
IRRIGATION SYSTEM AS SHOWN ON PLANS IS DIAGRAMMATIC ONLY FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT, INCLUDING MAINLINE AND VALVES, SHALL BE PLACED IN PLANTER AREAS WHENEVER POSSIBLE.

SEE SHEET L-110 FOR POC LOCATIONS

SEE SHEET L-102 FOR IRRIGATION LEGEND



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

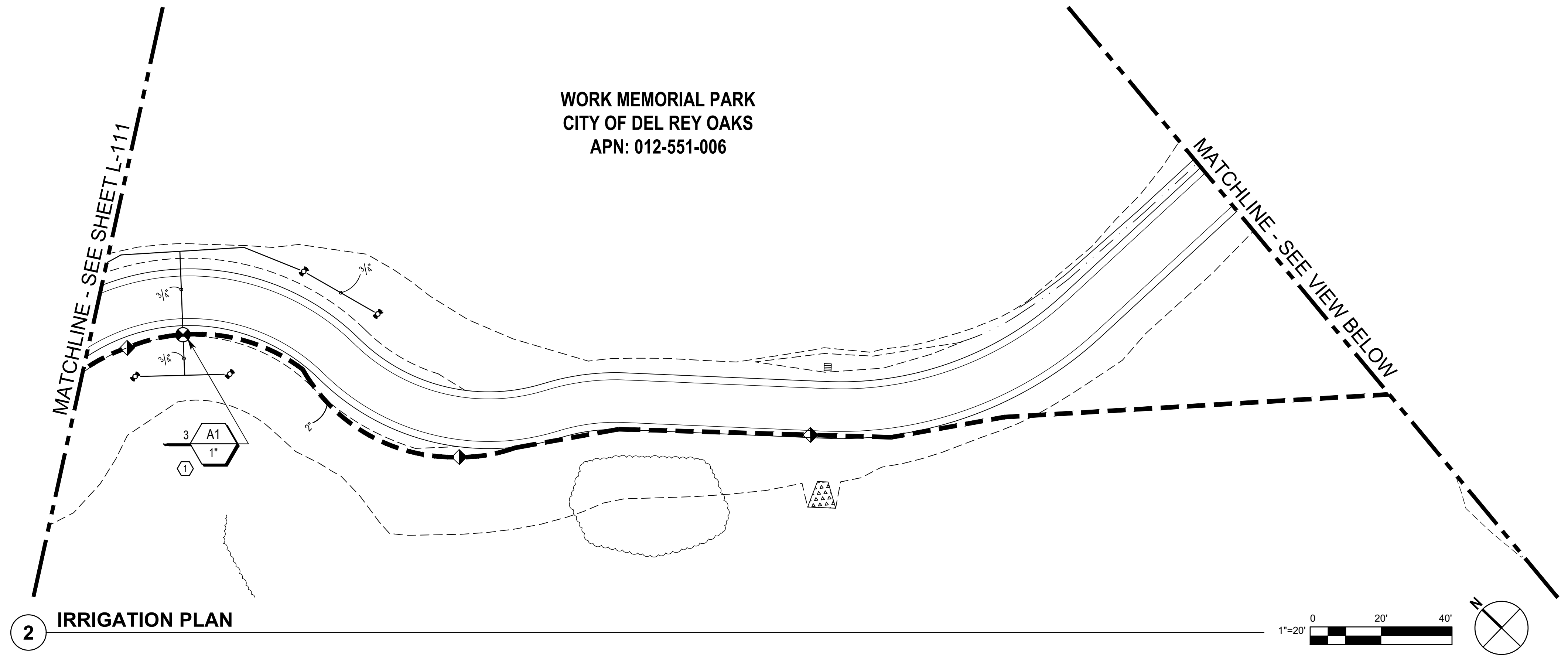
Title **LANDSCAPE IRRIGATION PLAN**

Size **ANSI D**

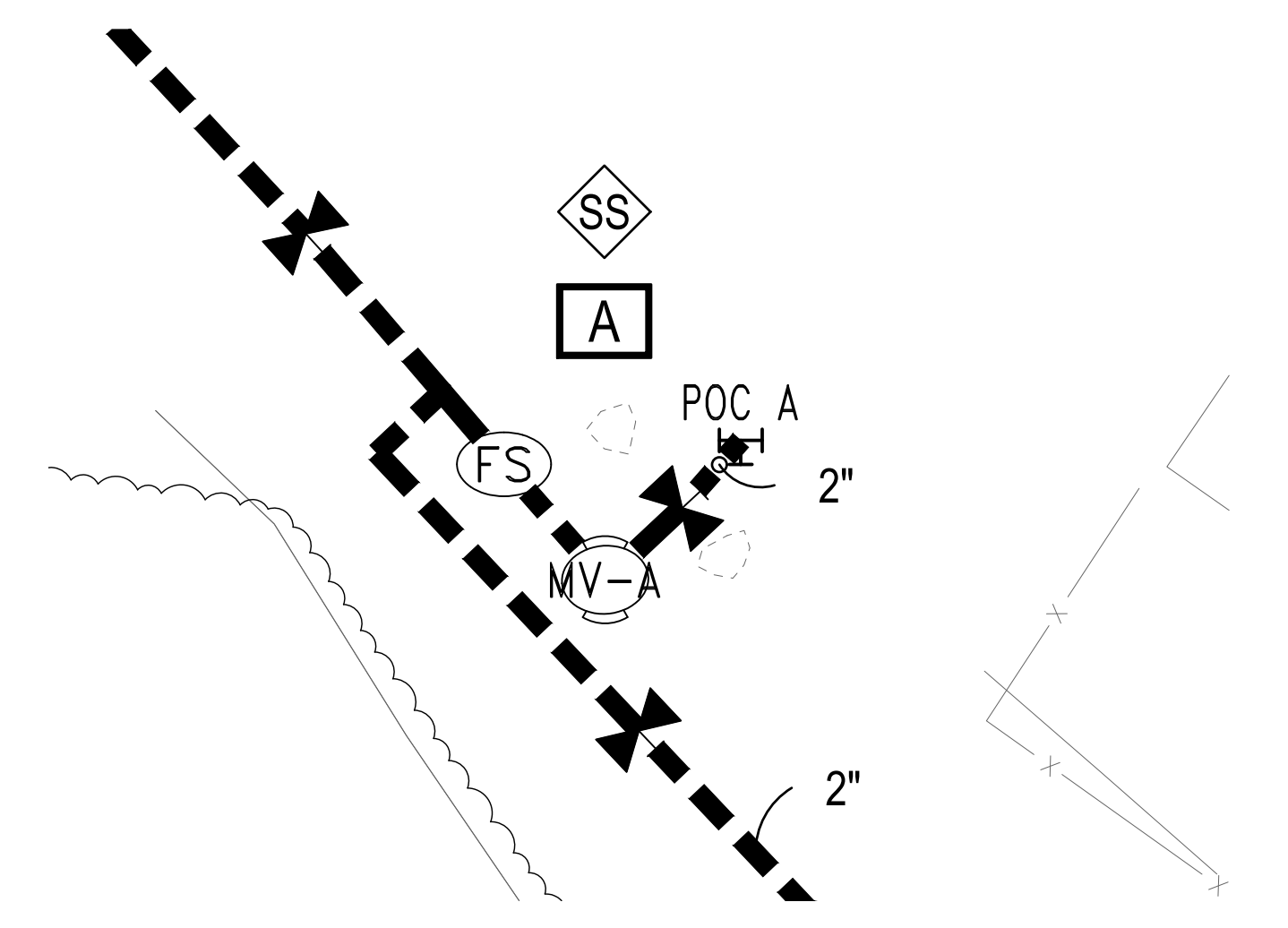
Status Code

Sheet No. **L-111** Sheet **176** of **195**

WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006



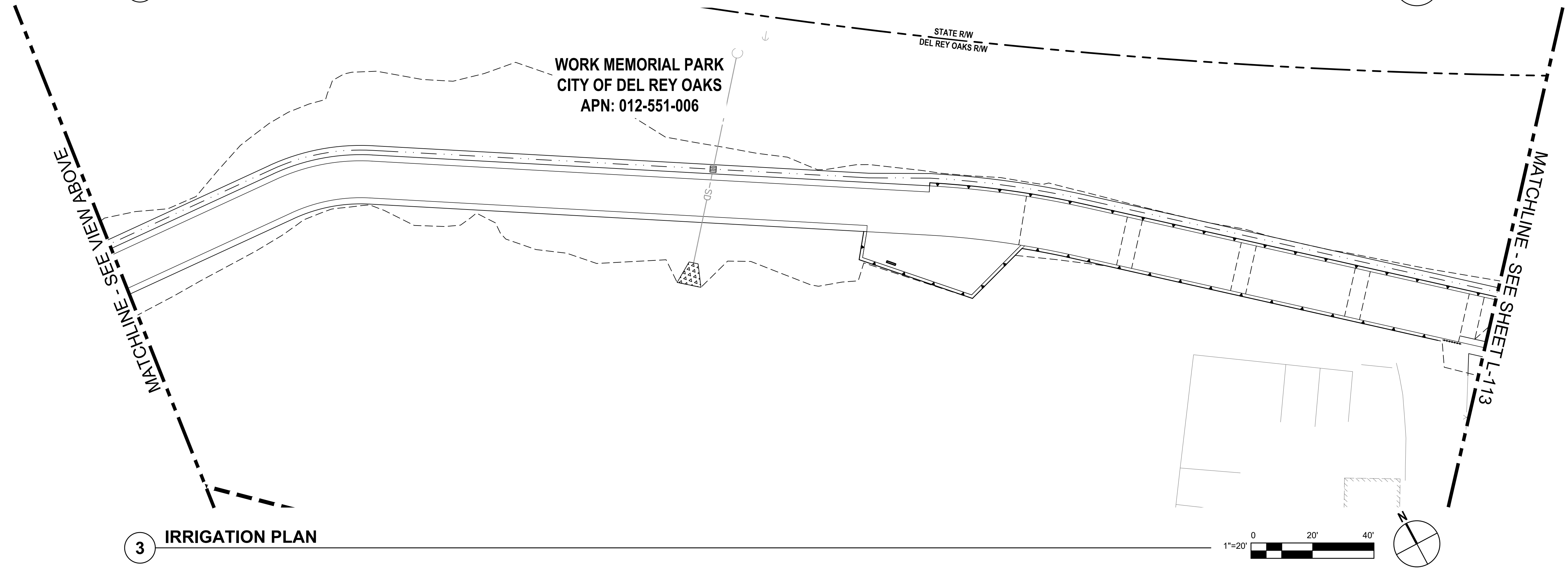
2 IRRIGATION PLAN



1A POC A ENLARGEMENT
1"=10'

SEE SHEET L-110 FOR IRRIGATION MAINLINE ROUTING

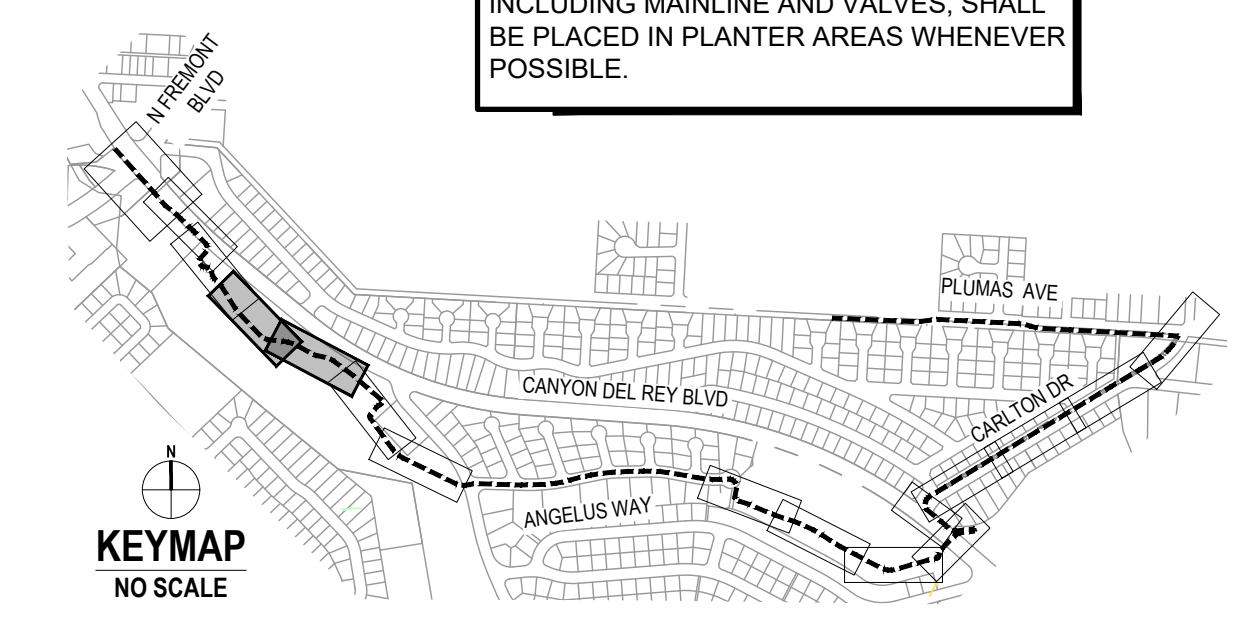
WORK MEMORIAL PARK
CITY OF DEL REY OAKS
APN: 012-551-006



3 IRRIGATION PLAN

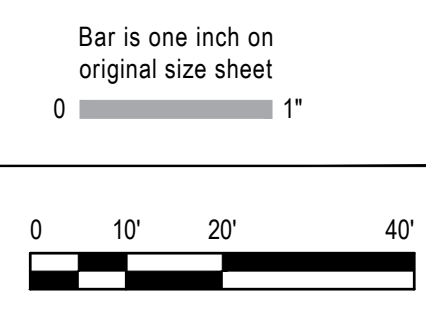
SEE SHEET L-002 FOR IRRIGATION LEGEND

IRRIGATION SYSTEM NOTE
IRRIGATION SYSTEM AS SHOWN ON PLANS IS DIAGRAMMATIC ONLY FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT, INCLUDING MAINLINE AND VALVES, SHALL BE PLACED IN PLANTER AREAS WHENEVER POSSIBLE.



KEYMAP
NO SCALE

No.	Issue	Checked	Approved	Date
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Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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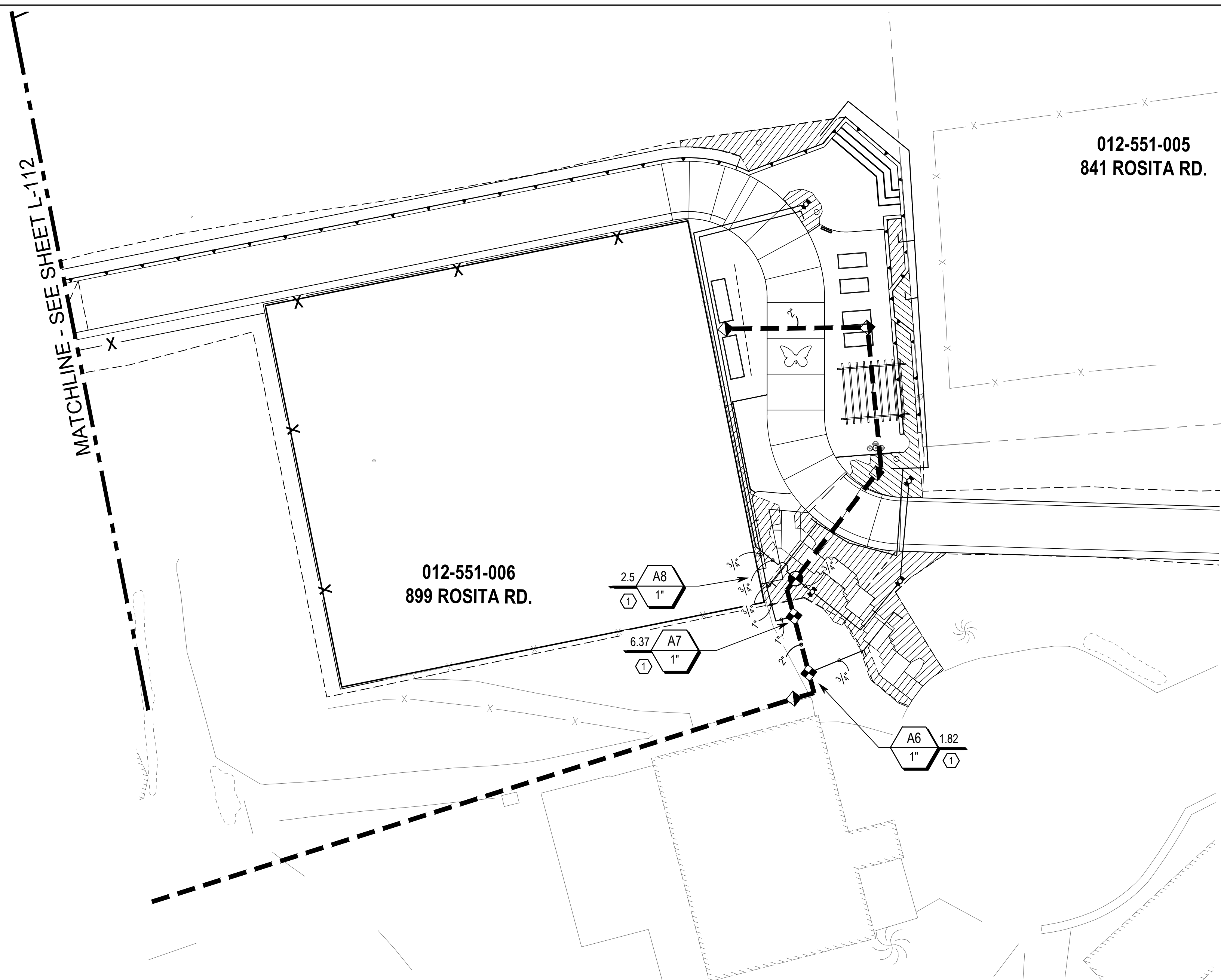
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **LANDSCAPE IRRIGATION PLAN**

Size **ANSI D**

Status Code

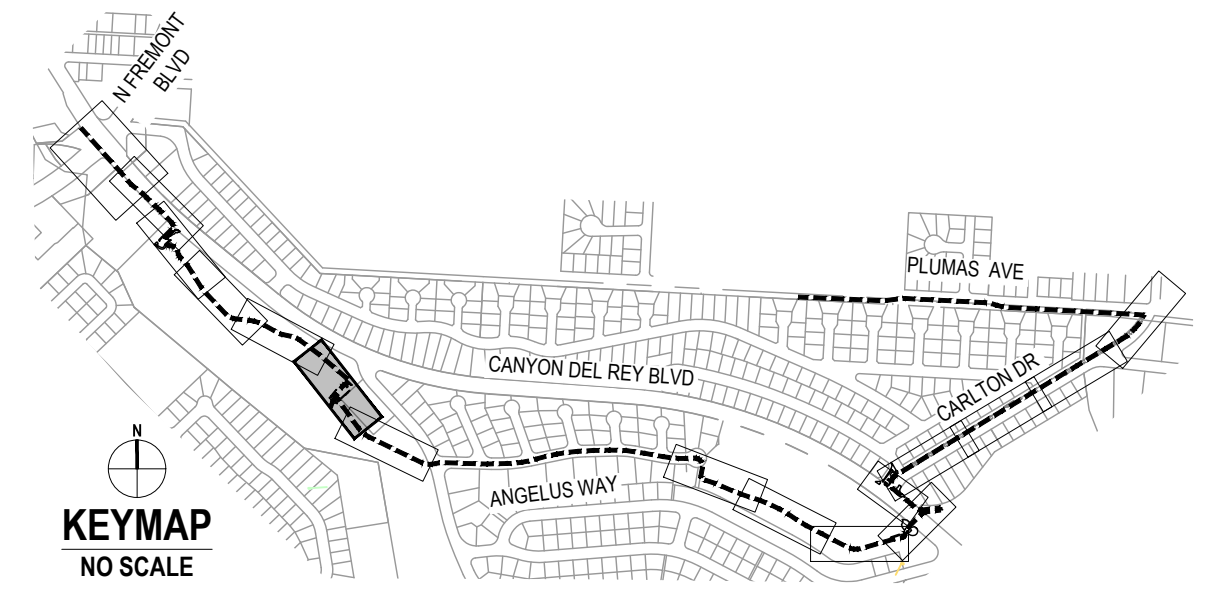
Sheet No. **L-112** Sheet **177 of 195**



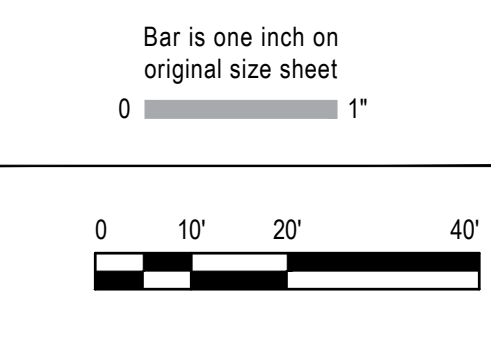
6 IRRIGATION PLAN

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SEE SHEET L-002 FOR IRRIGATION LEGEND
 SEE SHEET L-110 FOR IRRIGATION MAINLINE ROUTING



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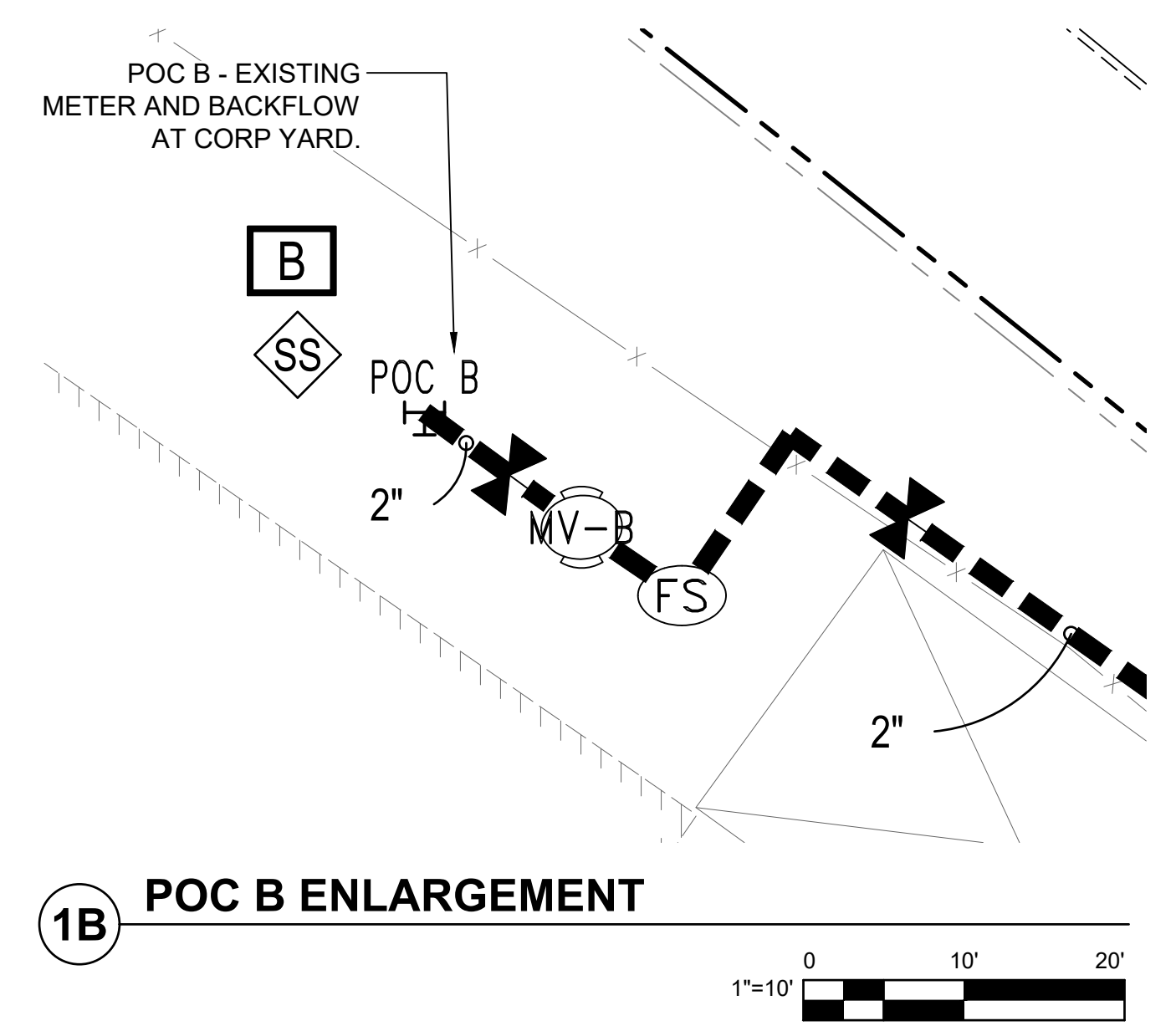
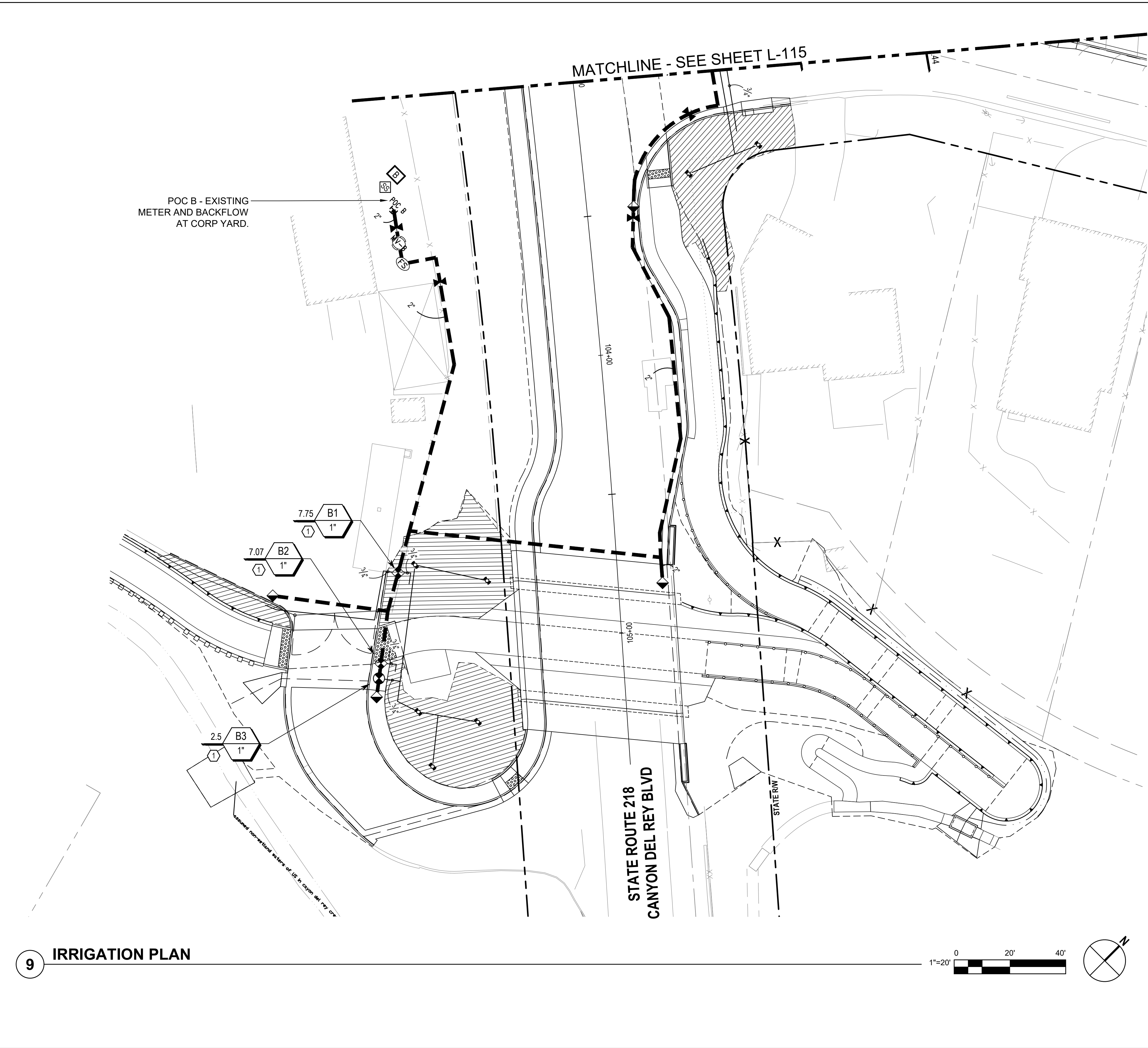
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **LANDSCAPE IRRIGATION PLAN**

Size **ANSI D**

Status Code

Sheet No. **L-113** Sheet **178 of 195**



1B POC B ENLARGEMENT

IRRIGATION MAINLINE AND LAYOUT NOTES

1. IRRIGATION MAINLINE PIPE SIZE TO BE 2" DIA. SCH 40 PVC.
2. PLAN IS DIAGRAMMATIC AND NOT INTENDED TO SHOW EXACT LOCATIONS OF PIPING AND VALVES. ALL MAIN LINE, GATE VALVES, RCV'S AND QCV'S SHALL BE INSTALLED WITHIN THE PROJECT AREA, IN PLANTING AREAS, WHETHER SHOWN THERE OR NOT. SEE 20-SCALE IRRIGATION PLANS FOR MORE DETAIL.
3. ROUTE IRRIGATION CONTROL WIRE IN SAME TRENCH AS IRRIGATION MAIN LINE. PLACE "2-WIRE" CONTROL CONNECTIONS IN ITS OWN 1" DIAMETER SCH. 40 GRAY ELECTRICAL CONDUIT.
4. PLACE FLOW SENSOR DATA CABLE FROM CONTROLLER TO MASTER VALVE/FLOW SENSOR IN ITS OWN 1" DIAMETER SCH. 40 GRAY ELECTRICAL CONDUIT.

IRRIGATION POINT OF CONNECTION NOTES

1. STATIC WATER PRESSURE AVAILABLE AT POC: 60 PSI
2. MAXIMUM STATION FLOW: 12 GPM
3. CRITICAL STATION PRESSURE REQUIRED AT POC: 32.5 PSI
4. RESIDUAL PRESSURE AS DESIGNED: 27.5 PSI
5. SEE SHEET L-002 FOR FULL CRITICAL ANALYSIS, VALVE SCHEDULE, AND ADDITIONAL IRRIGATION NOTES.

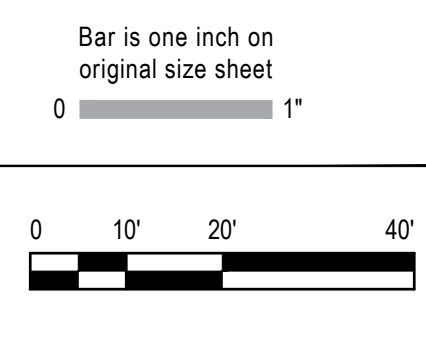
SEE SHEET L-002 FOR IRRIGATION LEGEND

SEE SHEET L-110 FOR IRRIGATION MAINLINE ROUTING

IRRIGATION SYSTEM NOTE
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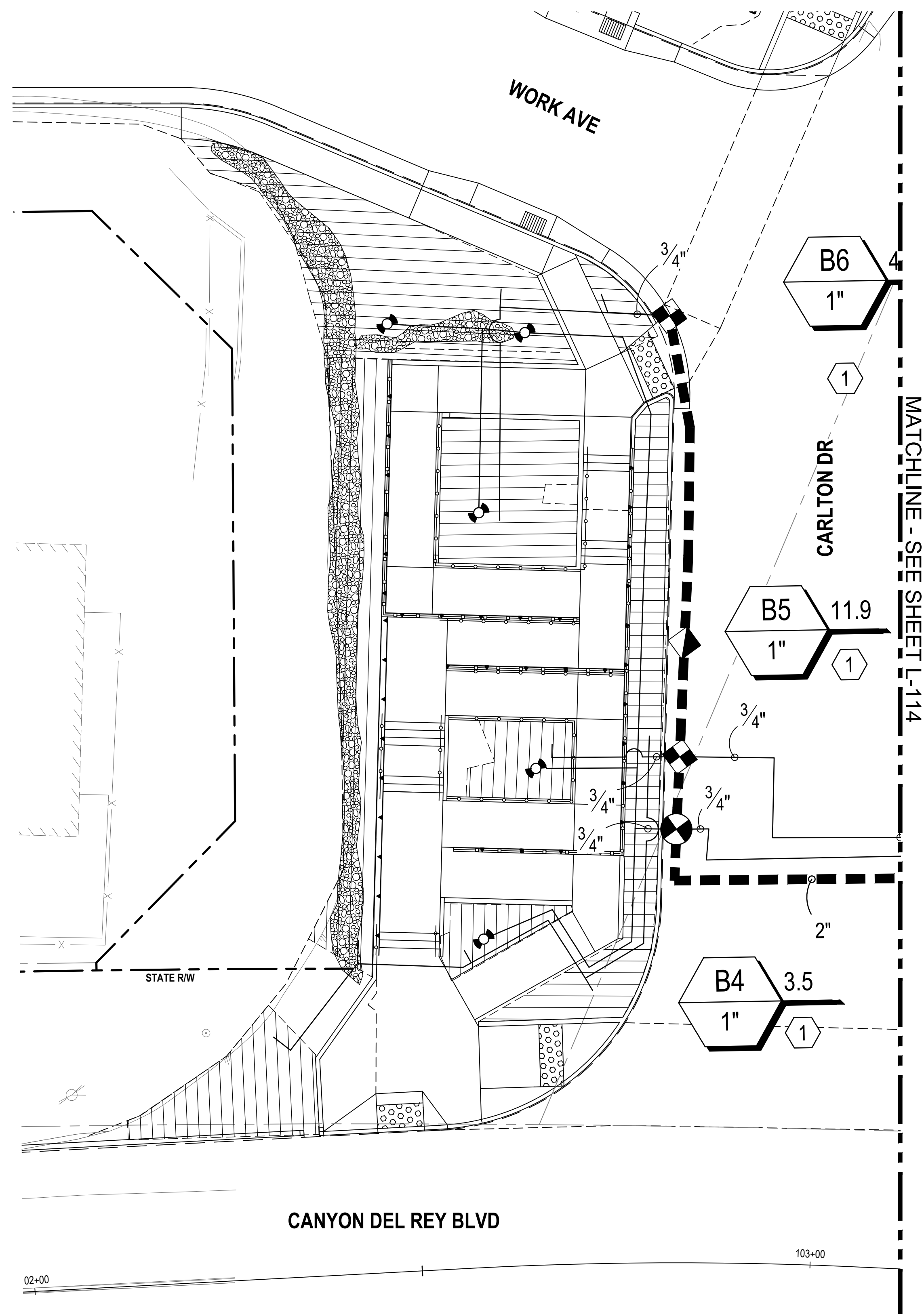
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Client TRANSPORTATION AGENCY FOR MONTEREY COUNTY	Title LANDSCAPE IRRIGATION PLAN
Project FORTAG TRAIL PROJECT	Scale AS SHOWN
Project No. 11220281	Date December 1, 2023

Size ANSI D
Status Code
Sheet No. L-114
Sheet 179 of 195



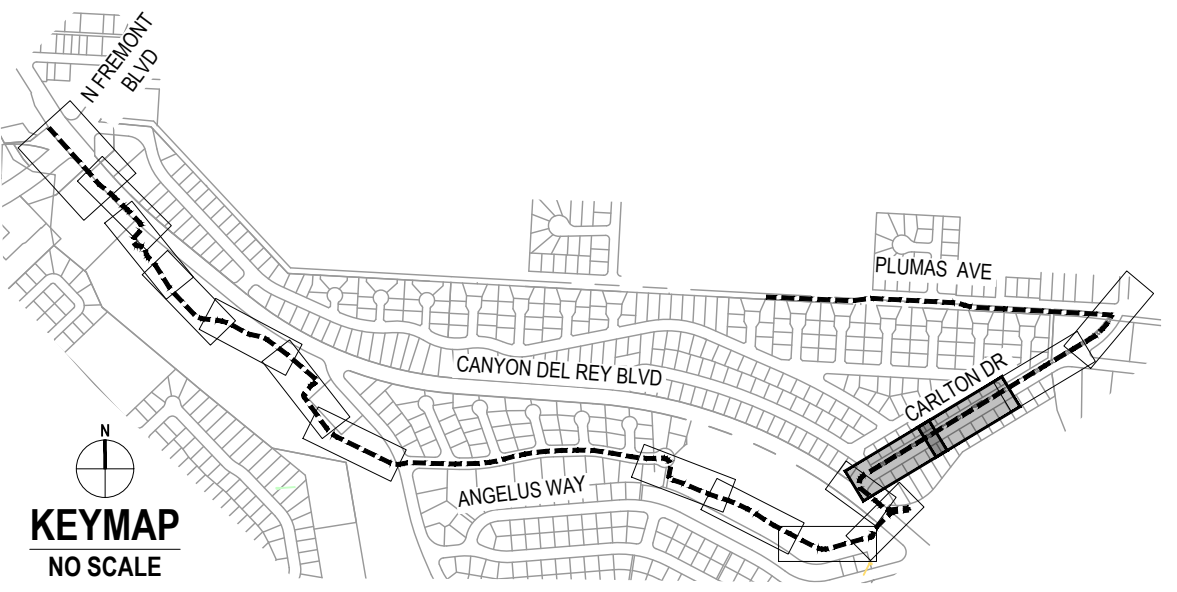
MATCHLINE - SEE SHEET L-114

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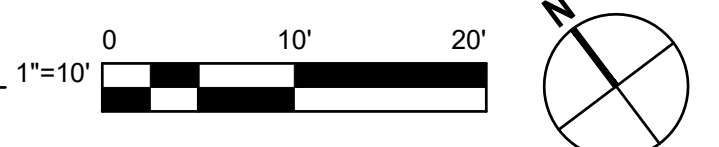
SEE SHEET L-110 FOR IRRIGATION MAINLINE ROUTING

SEE SHEET L-114 FOR POC LOCATION

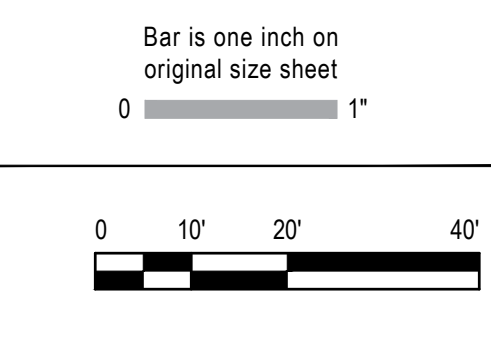
SEE SHEET L-002 FOR IRRIGATION LEGEND



6 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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Client
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Project
FORTAG TRAIL PROJECT

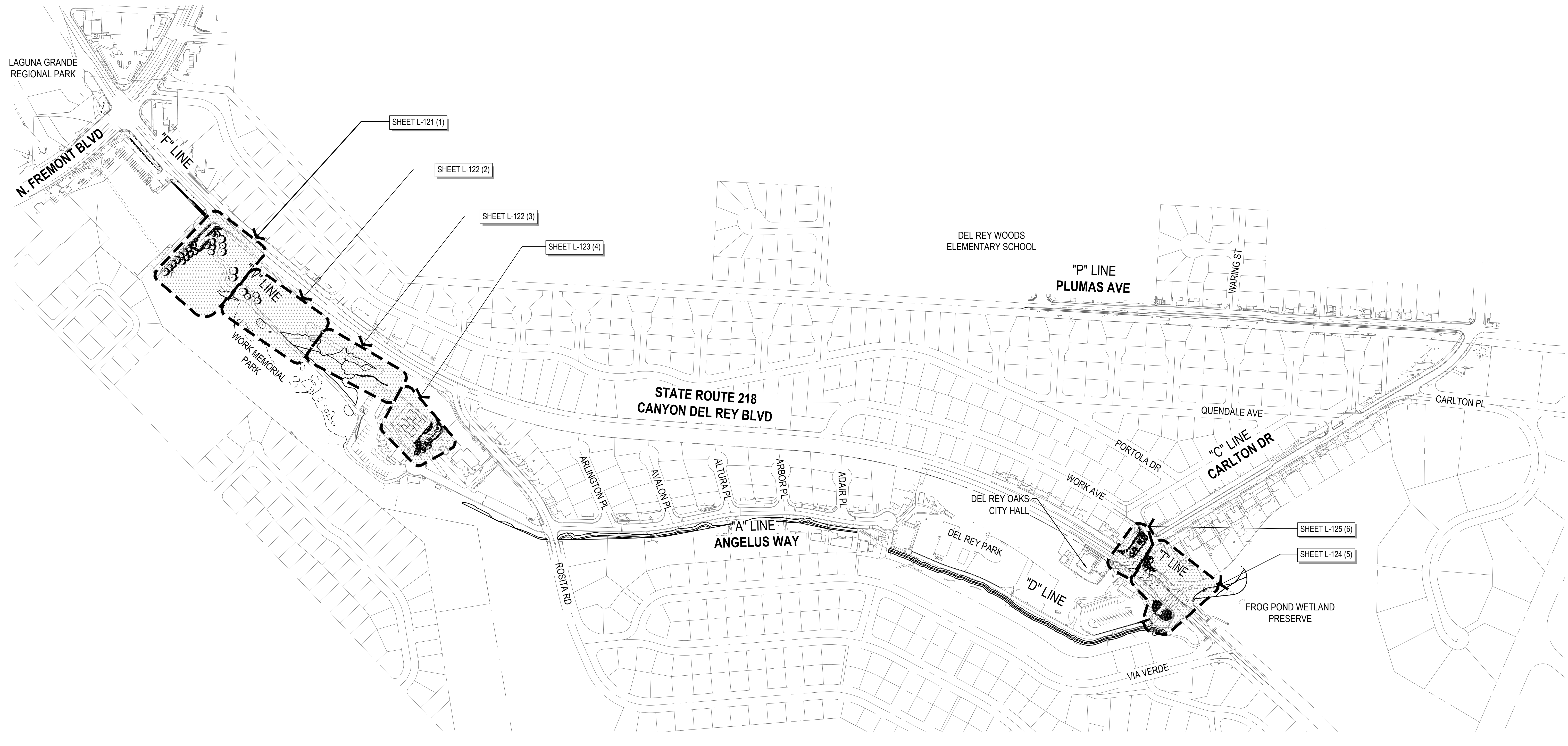
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **LANDSCAPE IRRIGATION PLAN**

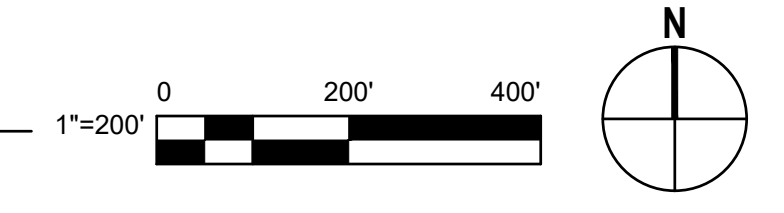
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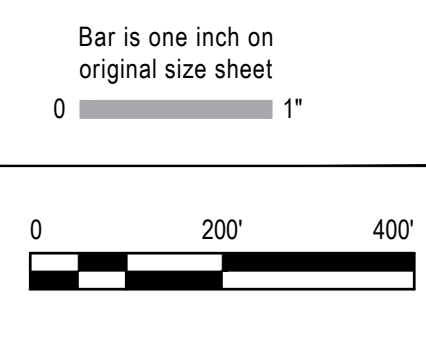
Sheet No. **L-115** Sheet **180 of 195**



1 PLANTING PLAN OVERVIEW AND KEY MAP



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
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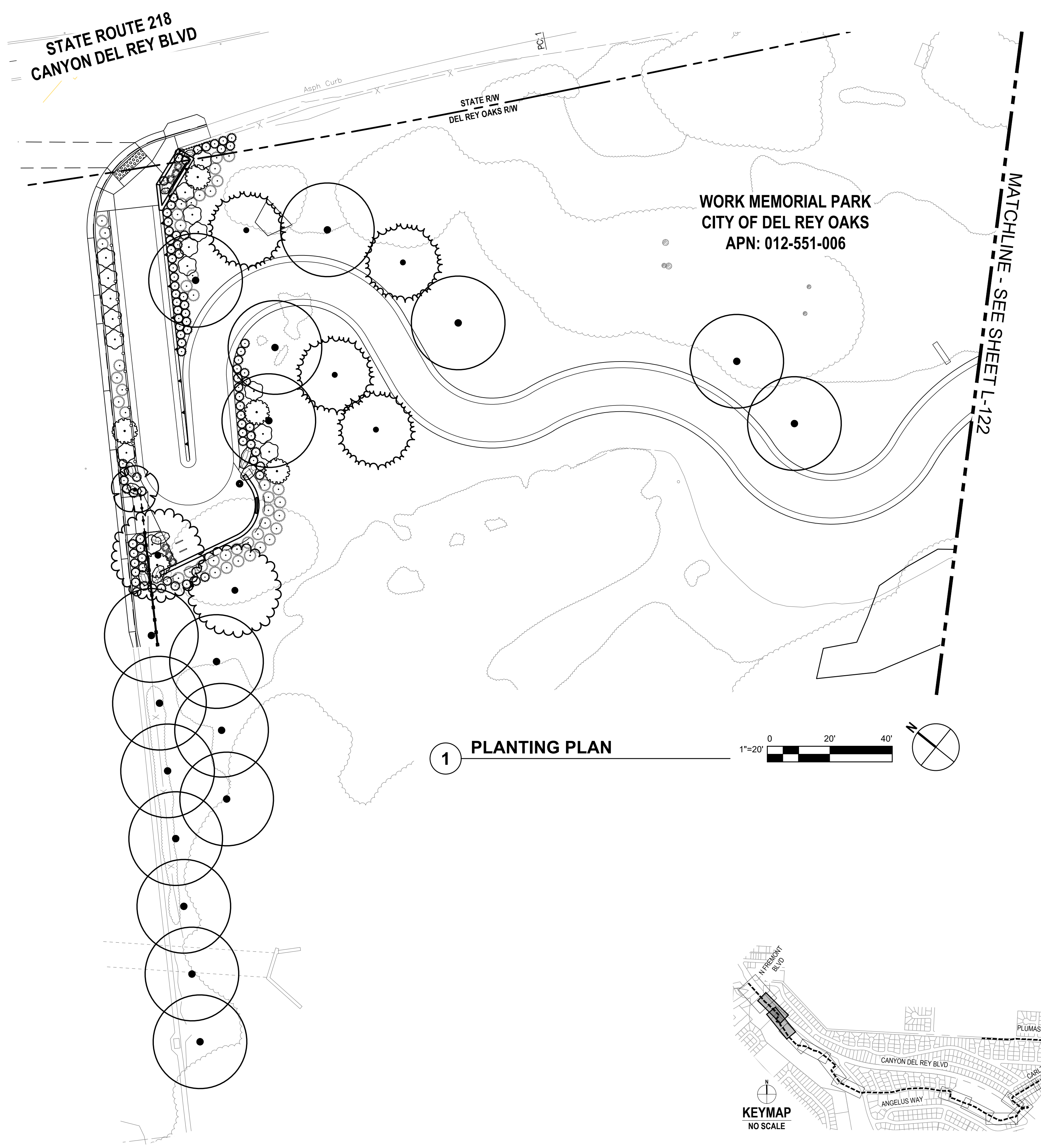
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title **LANDSCAPE PLANTING OVERVIEW PLAN**

Size **ANSI D**

Status Code

Sheet No. **L-120** Sheet 181 of 195

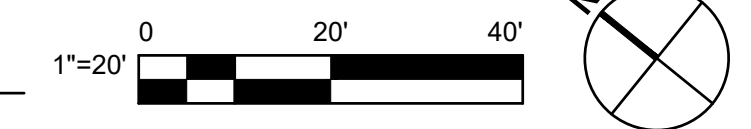


PLANT SCHEDULE L-121

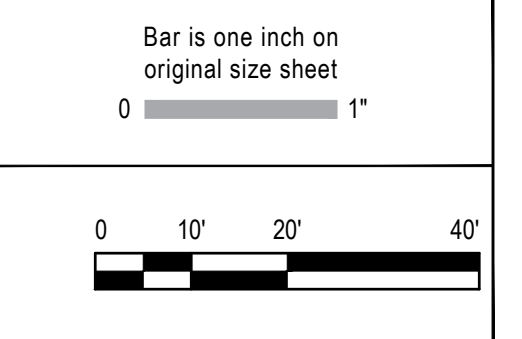
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT
	4	PINUS RADIATA	MONTEREY PINE	15 GAL
	17	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL
ORNAMENTAL	QTY	BOTANICAL NAME	COMMON NAME	CONT
	2	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
	1	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX
NATIVE TEMP. IRRIGATED LANDSCAPE - UPLAND	QTY	BOTANICAL NAME	COMMON NAME	CONT
	5	CEANOTHUS THYRSIFLORUS	BLUEBLOSSOM	5 GAL
	16	FRANGULA CALIFORNICA	COFFEEBERRY	5 GAL
	84	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL
	44	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
ORNAMENTAL IRRIGATED LANDSCAPE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	6	LOMANDRA LONGIFOLIA 'BREEZE'™	BREEZE MAT RUSH	1 GAL

SEE SHEET L-004 FOR FULL PLANT LEGEND

1 PLANTING PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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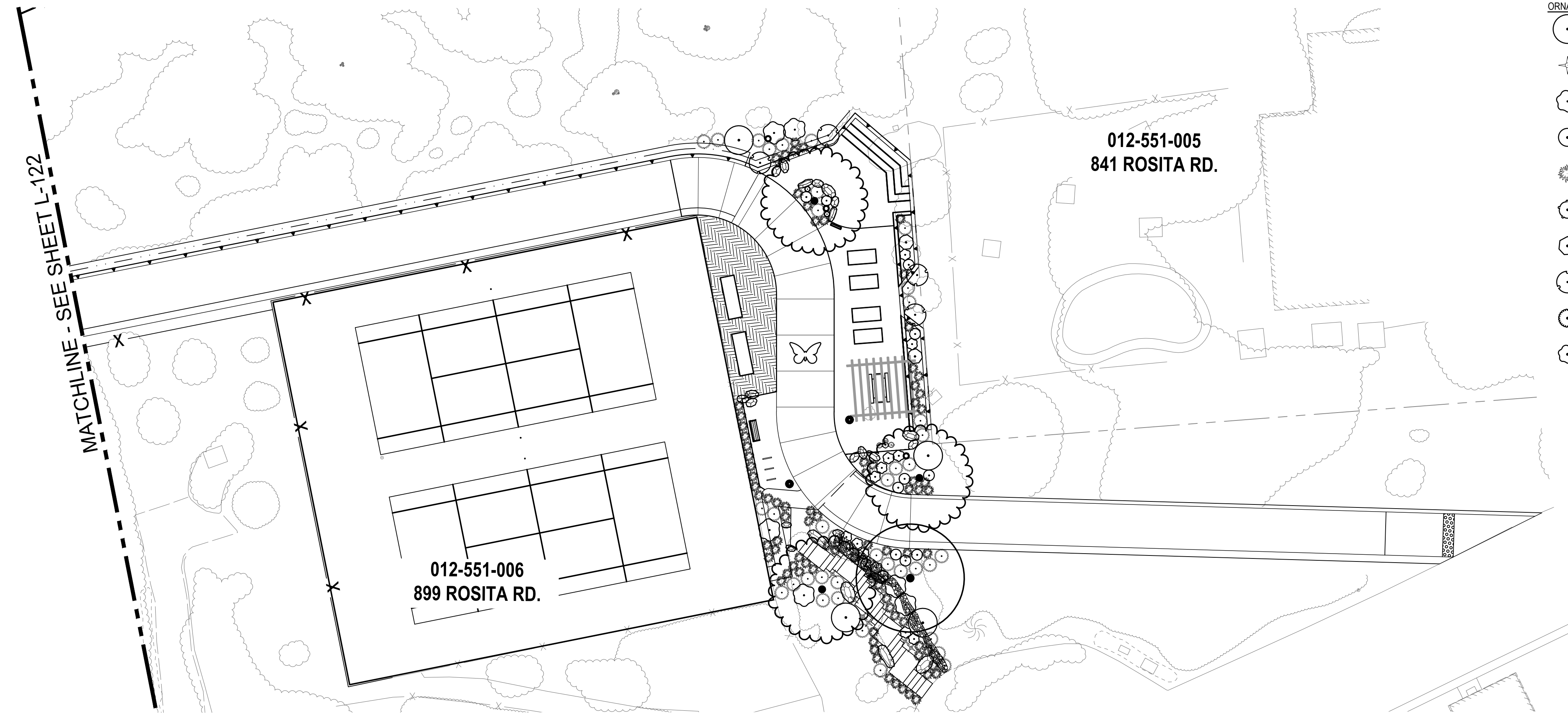
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	LANDSCAPE PLANTING PLAN
Size	ANSI D
Status Code	
Sheet No.	L-121
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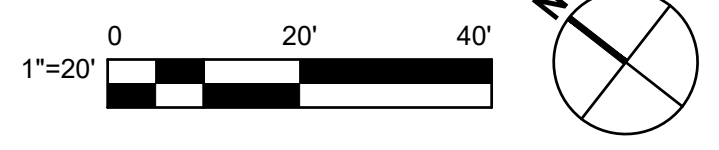
PLANT SCHEDULE L-123

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT
	1	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL
ORNAMENTAL	QTY	BOTANICAL NAME	COMMON NAME	CONT
	3	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
NATIVE TEMP. IRRIGATED LANDSCAPE - UPLAND	QTY	BOTANICAL NAME	COMMON NAME	CONT
	39	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
ORNAMENTAL IRRIGATED LANDSCAPE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	4	CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL
	8	DIETES BICOLOR	FORTNIGHT LILY	1 GAL
	6	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL
	9	LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL
	82	LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL
	1	LUPINUS ALBIFRONS	BUSH LUPINE	1 GAL
	2	MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	1 GAL
	4	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL
	2	SALVIA MICROPHYLLA 'LITTLE KISS'	LITTLE KISS GRAHAM SAGE	1 GAL
	14	ZAUSCHNERIA CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL

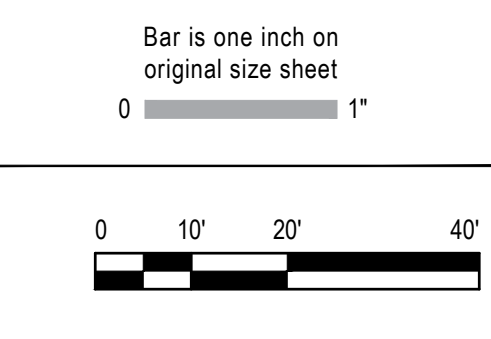
SEE SHEET L-004 FOR FULL PLANT LEGEND



4 PLANTING PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



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Project No.	11220281
Date	December 1, 2023
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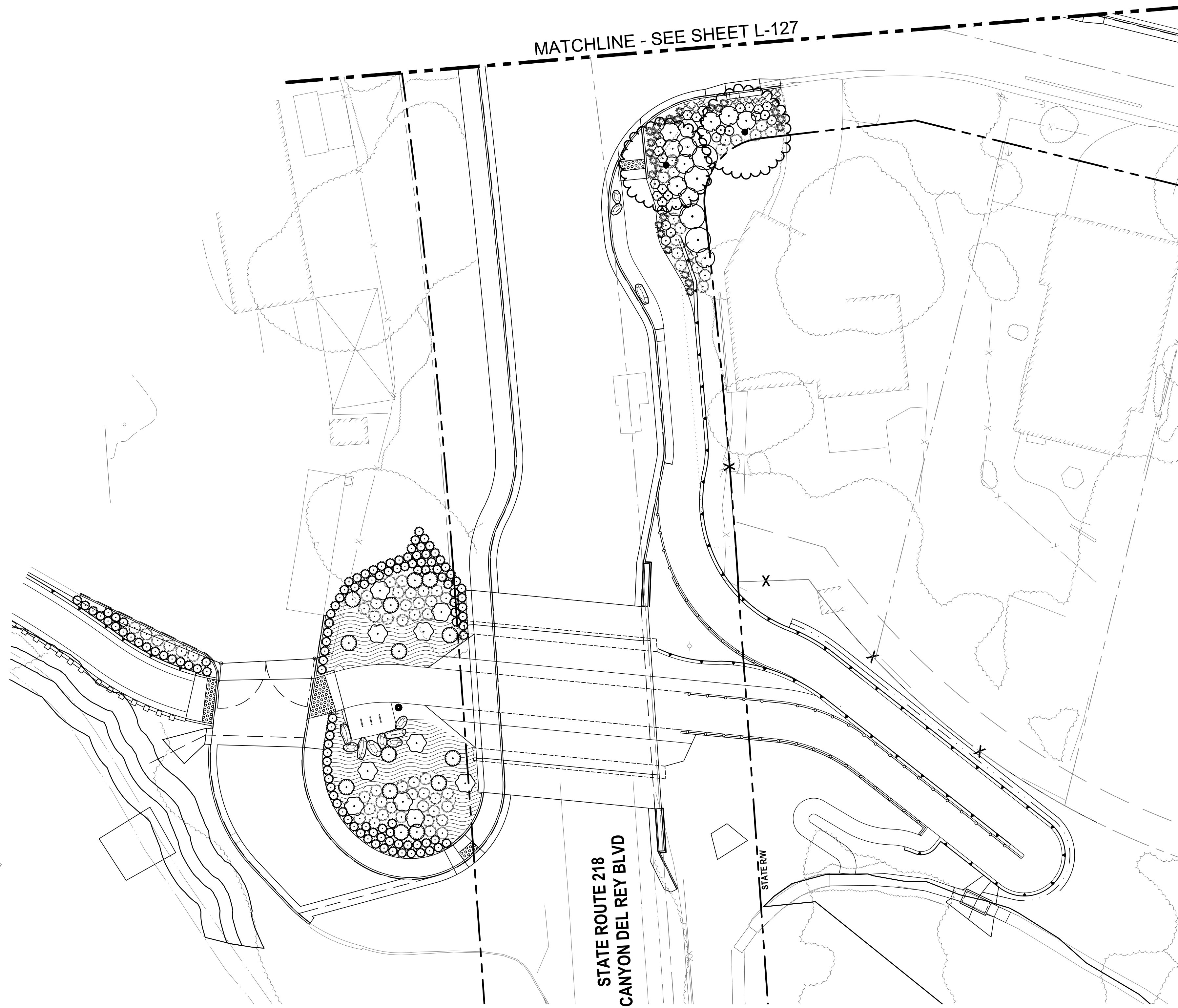
Title **LANDSCAPE PLANTING PLAN**

Size **ANSI D**

Status Code

Sheet No. **L-123** of 195

MATCHLINE - SEE SHEET L-127

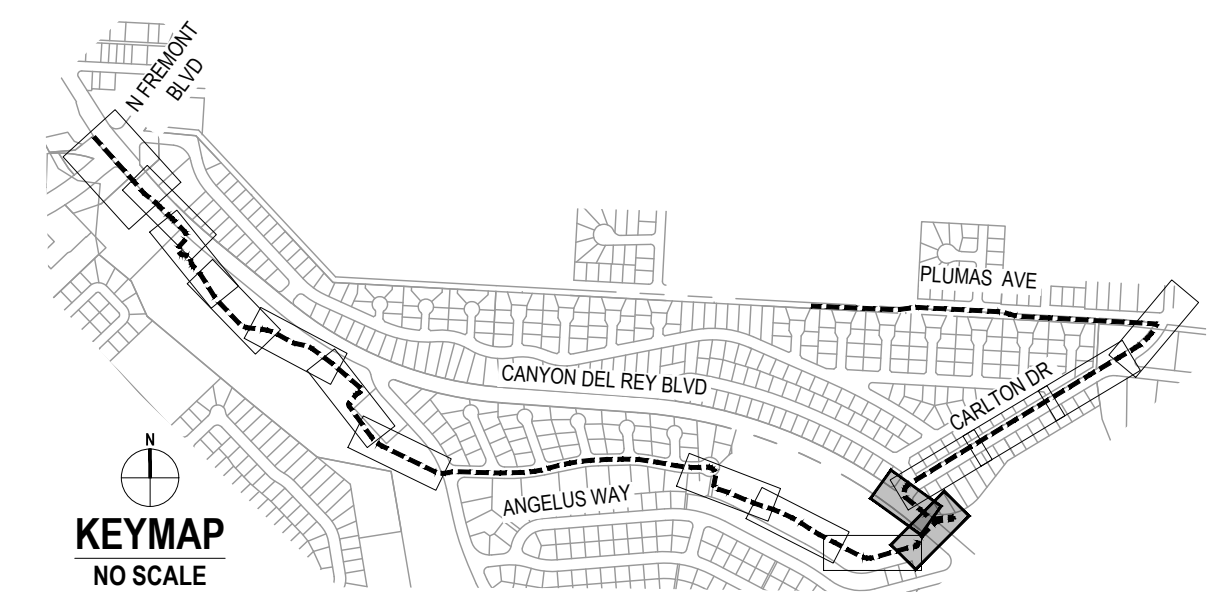
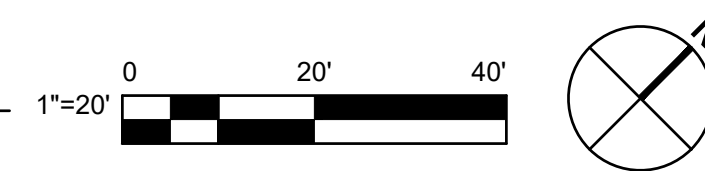


PLANT SCHEDULE L-124

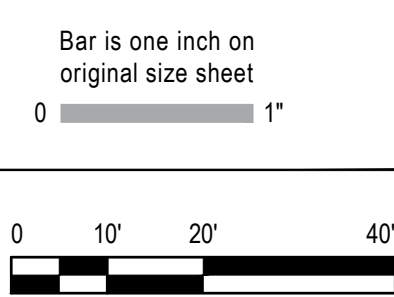
ORNAMENTAL	QTY	BOTANICAL NAME	COMMON NAME	CONT
	2	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
NATIVE TEMP. IRRIGATED LANDSCAPE - UPLAND				
	114	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL
	64	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
	14	SALVIA MELLIFERA	BLACK SAGE	5 GAL
ORNAMENTAL IRRIGATED LANDSCAPE				
	4	CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL
	16	DIETES BICOLOR	FORTNIGHT LILY	1 GAL
	14	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL
	12	LAVANDULA ANGSTIFOLIA	ENGLISH LAVENDER	1 GAL
	26	LOMANDRA LONGIFOLIA 'BREEZE' TM	BREEZE MAT RUSH	1 GAL
	9	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL
	13	ZAUSCHNERIA CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL
SHRUB AREAS				
	128	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL. 36" o.c.

SEE SHEET L-004 FOR FULL PLANT LEGEND

5 PLANTING PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



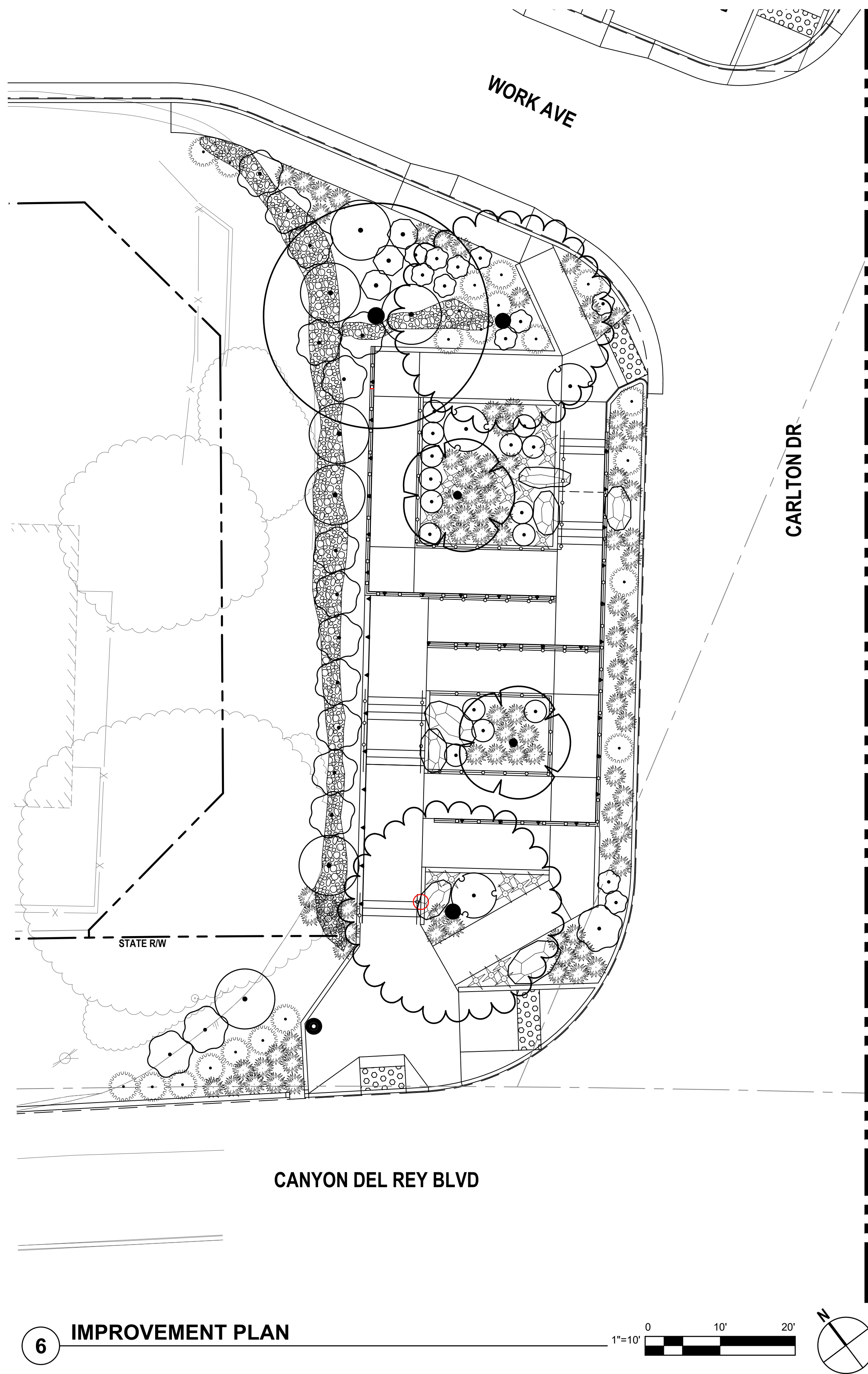
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Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title	LANDSCAPE PLANTING PLAN
Size	ANSI D
Status Code	
Sheet No.	L-124
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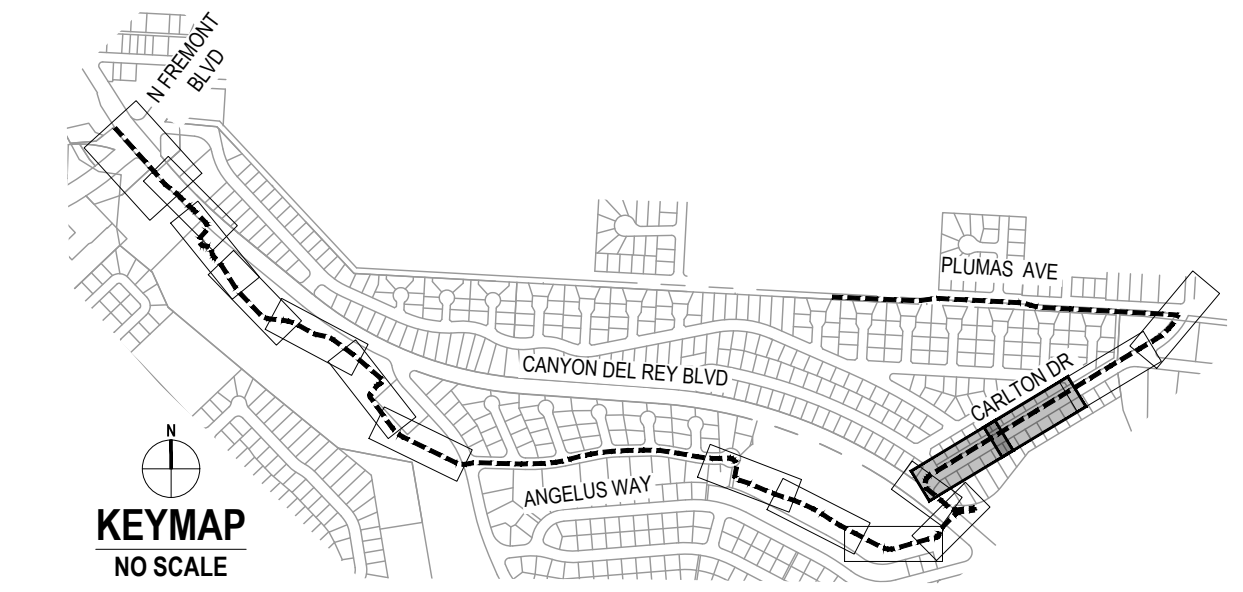
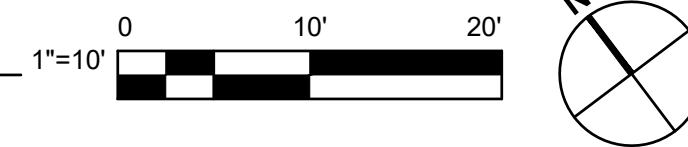


PLANT SCHEDULE L-125

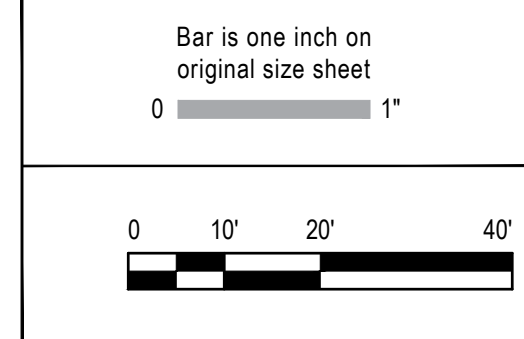
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT
	1	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL
ORNAMENTAL	QTY	BOTANICAL NAME	COMMON NAME	CONT
	2	ARBUTUS X 'MARINA'	MARINA STRAWBERRY TREE STANDARD	24" BOX
	2	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX
NATIVE TEMP. IRRIGATED LANDSCAPE - UPLAND	QTY	BOTANICAL NAME	COMMON NAME	CONT
	21	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
ORNAMENTAL IRRIGATED LANDSCAPE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	7	CEANOTHUS X 'CONCHA'	CONCHA WILD LILAC	5 GAL
	24	DIETES BICOLOR	FORTNIGHT LILY	1 GAL
	16	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL
	15	LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL
	89	LOMANDRA LONGIFOLIA 'BREEZE'™	BREEZE MAT RUSH	1 GAL
	3	MIMULUS AURANTIACUS	STICKY MONKEYFLOWER	1 GAL
	3	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	5 GAL
	11	ZAUSCHNERIA CALIFORNICA 'BERT'S BLUFF'	BERT'S CALIFORNIA FUCHSIA	1 GAL

SEE SHEET L-004 FOR FULL PLANT LEGEND

6 IMPROVEMENT PLAN



No.	Issue	Checked	Approved	Date
Author	N/A	Drafting Check LP	Project Manager L. VAN PARYS	
Designer	SR, TH, LP	Design Check LP	Project Director K. VEDULA	



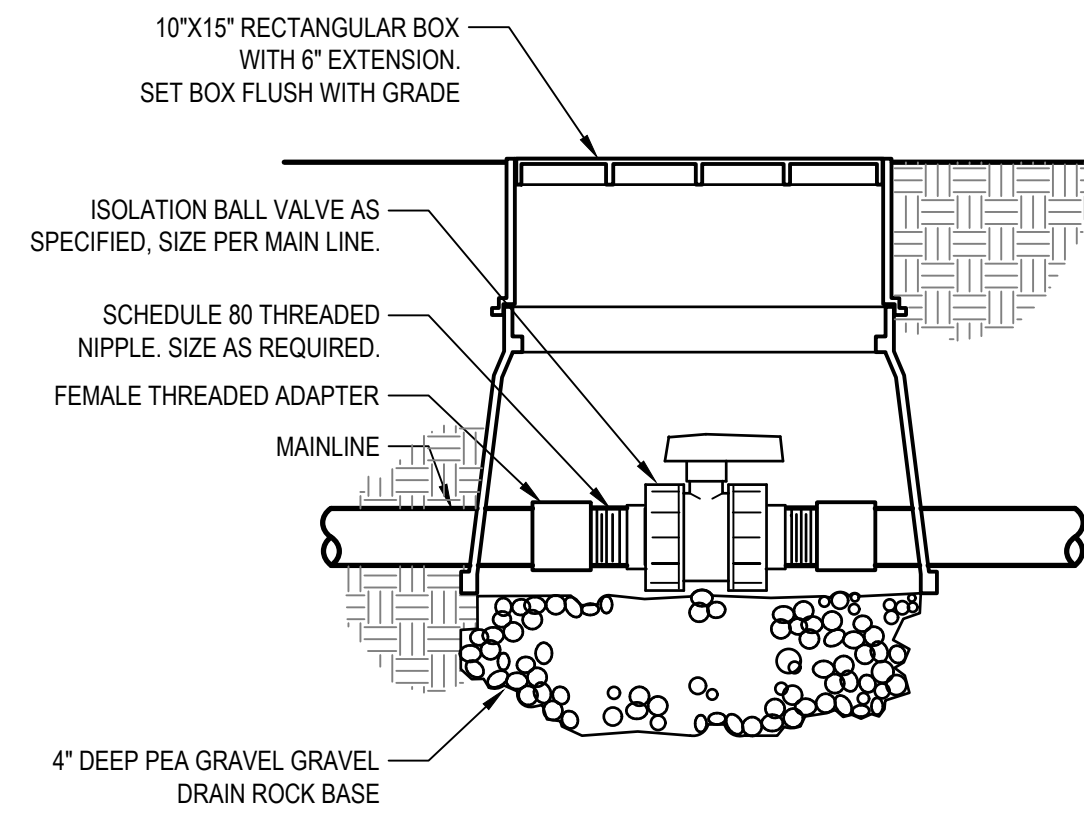
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Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

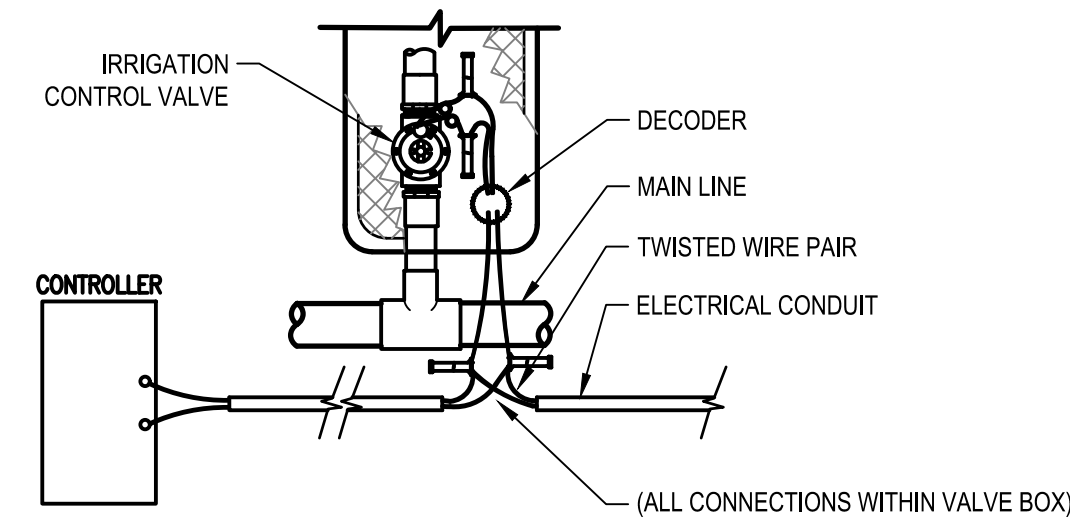
Title	LANDSCAPE PLANTING PLAN
Size	ANSI D
Status Code	
Sheet No.	L-125
Sheet	186 of 195



7 TRUE UNION BALL ISOLATION VALVE

1 1/2" = 1'-0"

P-4TAG-02

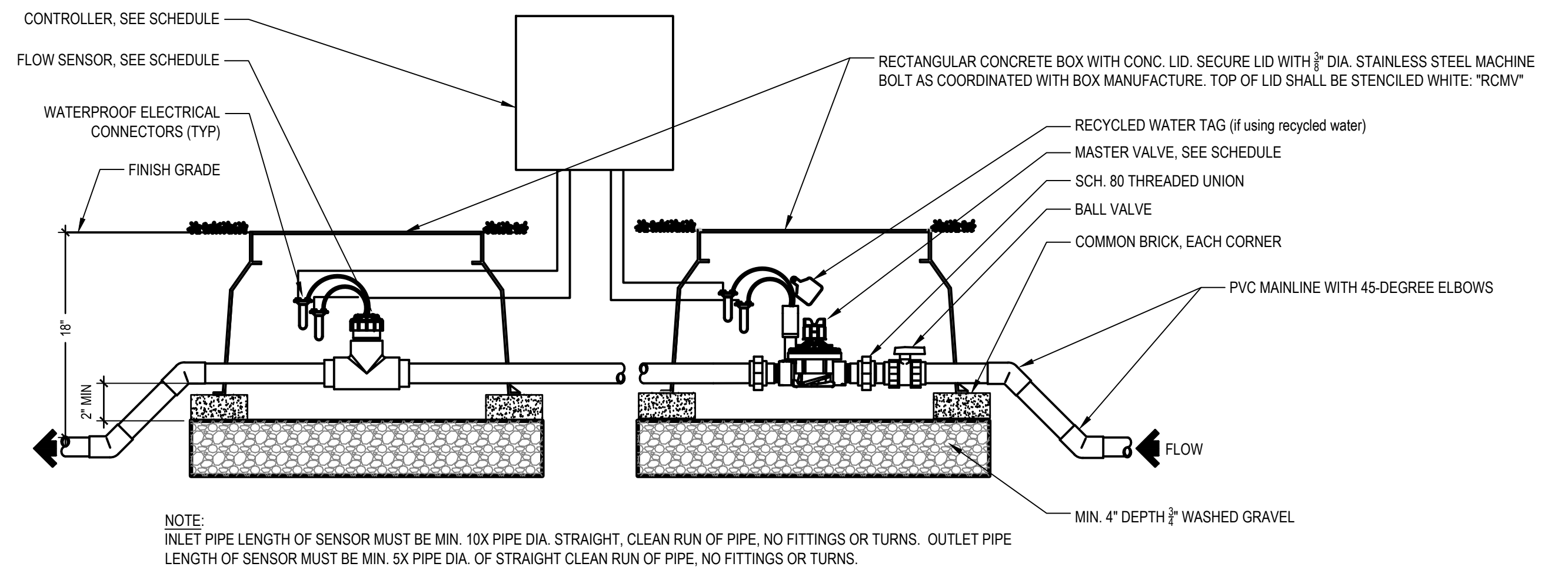


NOTES:

1. EACH VALVE SHALL BE WIRED SEPARATELY. IF TWO OR MORE VALVES IN SAME LOCATION, USE MULTIPLE WIRED LINE DECODERS.
2. SEQUENCE DECODER NUMBERS BY WIRING FROM LEFT TO RIGHT, FIRST VALVE BOX CONTAINS DECODER.
3. THE SECONDARY WIRE PATH FROM THE DECODER TO VALVE
18/2 = 150'
14/2 = 300'
4. PROVIDE MINIMUM 36-INCH LENGTHS OF COILED WIRE WITHIN VALVE BOX CONTAINING DECODER ALLOWING REMOVAL FROM BOX FOR INSPECTION.

5 TWO WIRE VALVE CONTROL

3/4" = 1'-0"



NOTE:

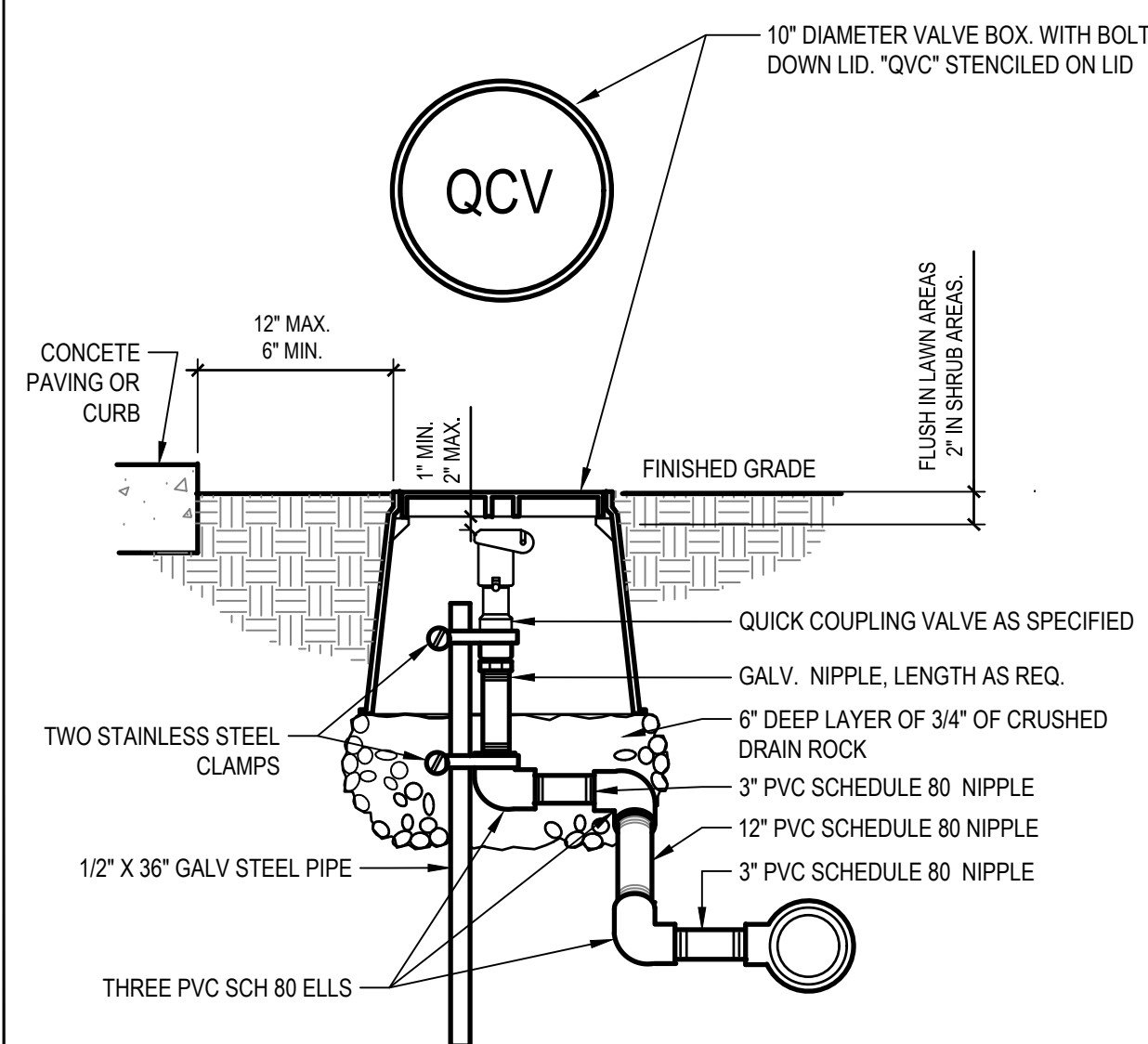
INLET PIPE LENGTH OF SENSOR MUST BE MIN. 10X PIPE DIA. STRAIGHT, CLEAN RUN OF PIPE, NO FITTINGS OR TURNS. OUTLET PIPE LENGTH OF SENSOR MUST BE MIN. 5X PIPE DIA. OF STRAIGHT CLEAN RUN OF PIPE, NO FITTINGS OR TURNS.

IF TWO WIRE SYSTEM - CONNECT PER MANUFACTURE'S SPECIFICATIONS AND DETAILS.

3 MASTER VALVE AND FLOW SENSOR ASSEMBLY

1 1/2" = 1'-0"

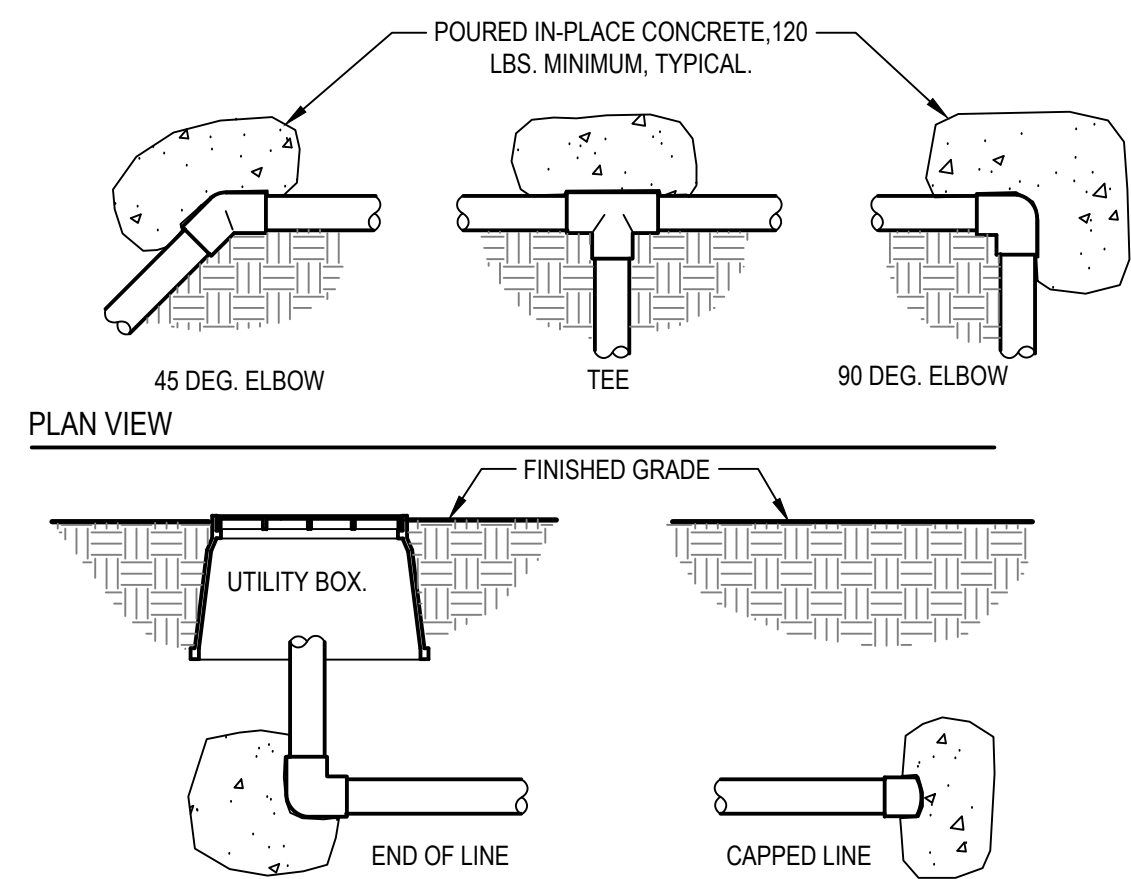
P-4TAG-19



6 QUICK COUPLING VALVE

1 1/2" = 1'-0"

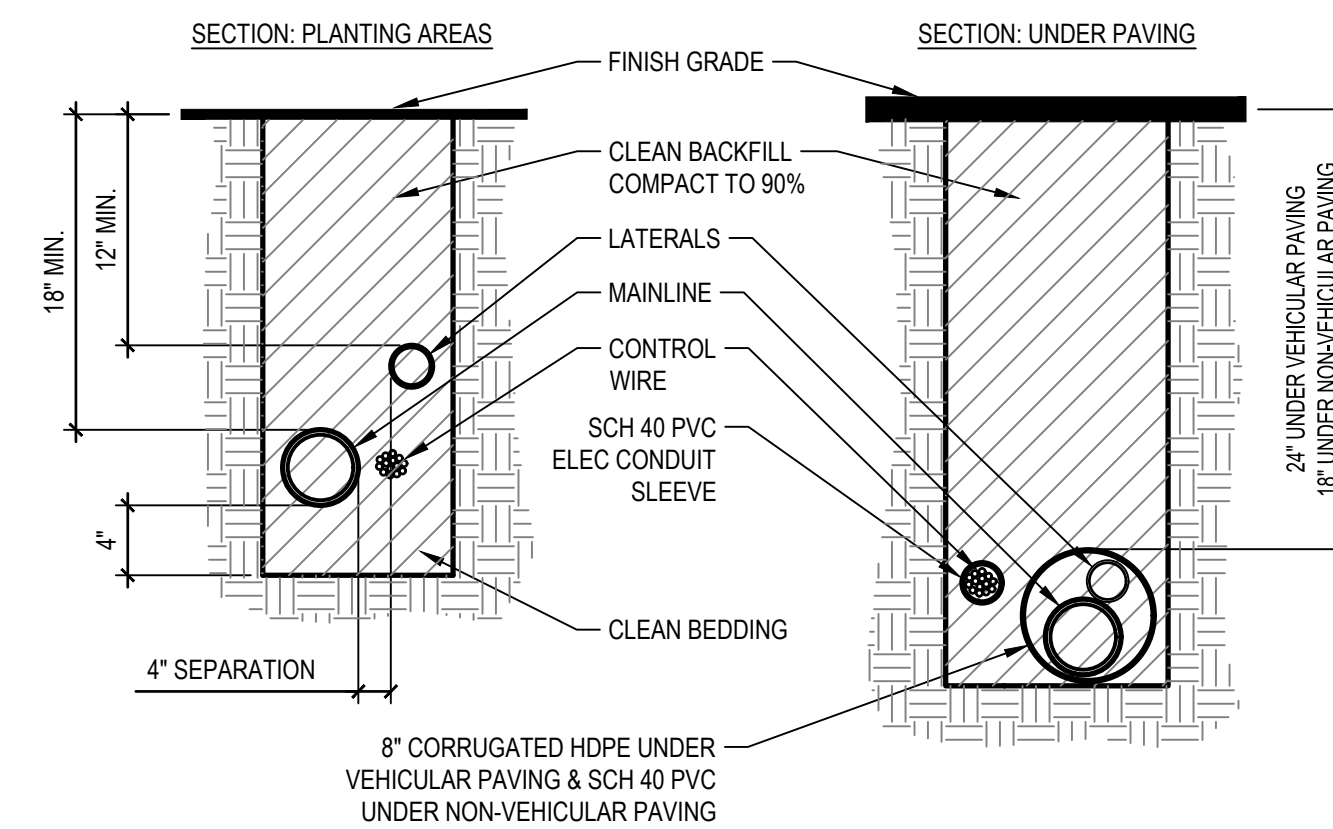
P-4TAG-01



4 THRUST BLOCKING

NOT TO SCALE

P-4TAG-07



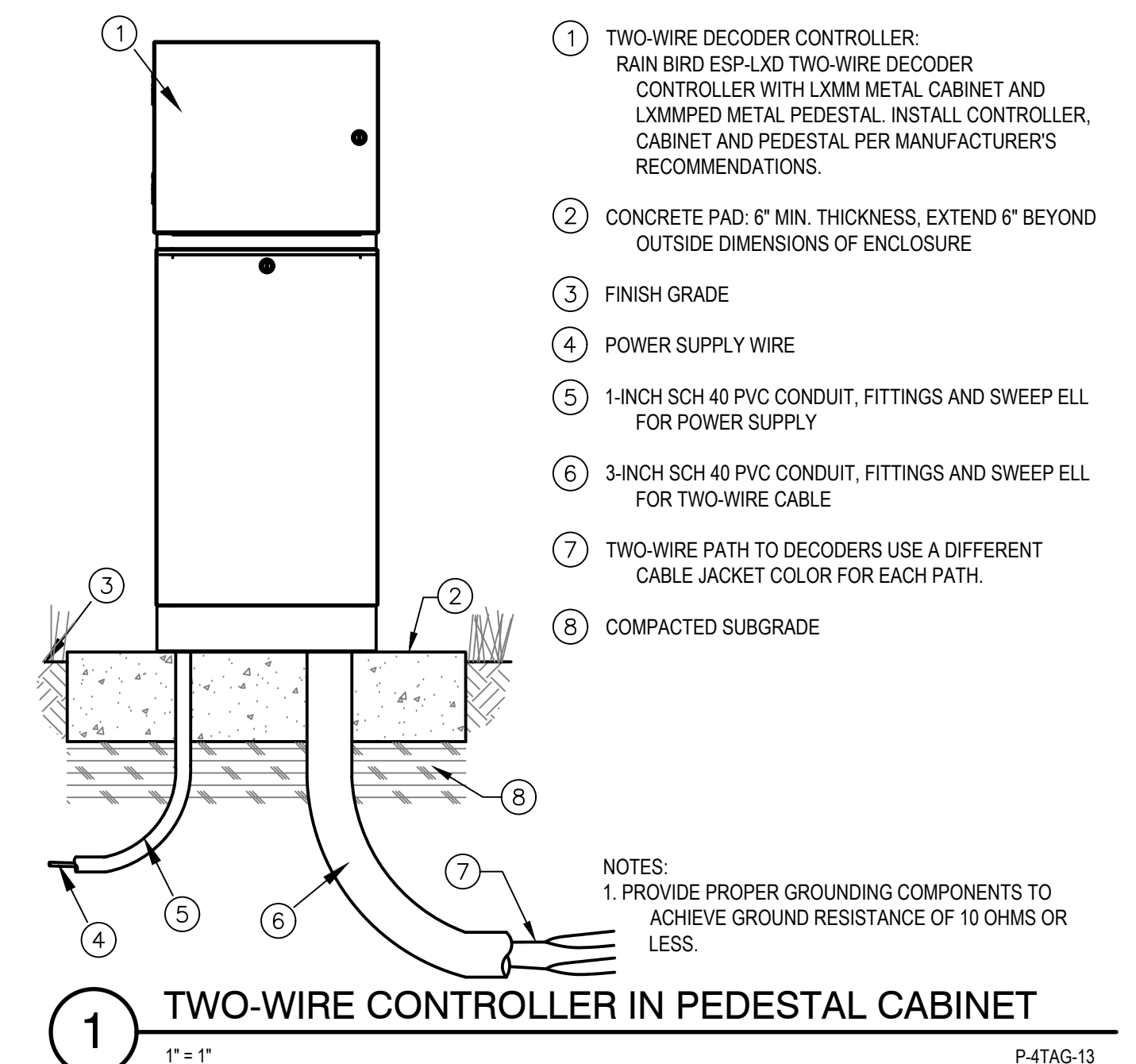
NOTES:

1. COORDINATE ROADWAY/SIDEWALK IMPROVEMENTS SO THAT SLEEVE(S) ARE INSTALLED PRIOR TO PAVING.
2. ALL "2-WIRE" CONDUCTORS TO BE INSTALLED IN A 1" GRAY CONDUIT OR SLEEVE AT ALL TIMES.
3. ALL "STANDARD" WIRE CONDUCTORS TO BE BUNDLED AND TAPED AT 10' INTERVALS, TAPE TO MAINLINE AT 20' INTERVALS. PLACE WIRE IN GRAY CONDUIT WHEN UNDER PAVING (SIZE CONDUIT TO FIT MAINLINE).
4. WHEN INSTALLED UNDER VEHICULAR PAVING, ELECTRICAL CONDUIT MAY BE PLACED IN 8" CORRUGATED HDPE SLEEVE WITH IRRIGATION PIPE(S).
5. SLEEVES SHALL EXTEND 12" BEYOND BACK OF CURB/PAVING INTO PLANTER AREA.
6. PROVIDE A 2' LOOP OF WIRE AT CHANGES IN DIRECTION OF 30 DEG. OR GREATER.
7. INSTALL LOCATOR WIRE ALONGSIDE MAINLINE WHERE THERE IS NO CONTROL WIRE.

2 IRRIGATION PIPE AND CONTROL WIRE TRENCHING

NOT TO SCALE

P-4TAG-67



1 TWO-WIRE CONTROLLER IN PEDESTAL CABINET

1" = 1"

P-4TAG-13

No.	Issue	Checked	Approved	Date
Author	TH	Drafting Check XX	Project Manager L. VAN PARYS	
Designer	TH	Design Check XX	Project Director K. VEDULA	



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0 1"



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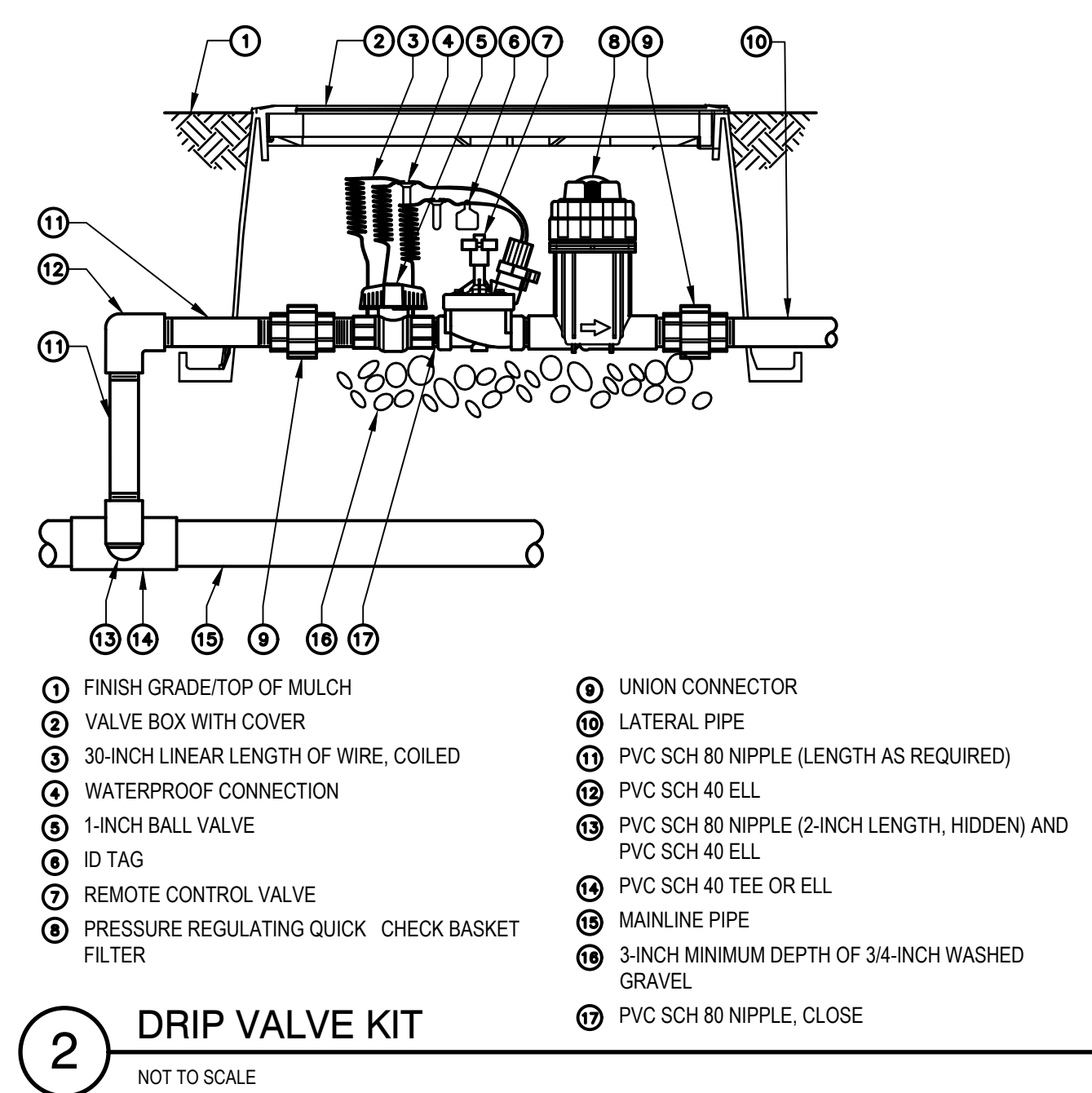
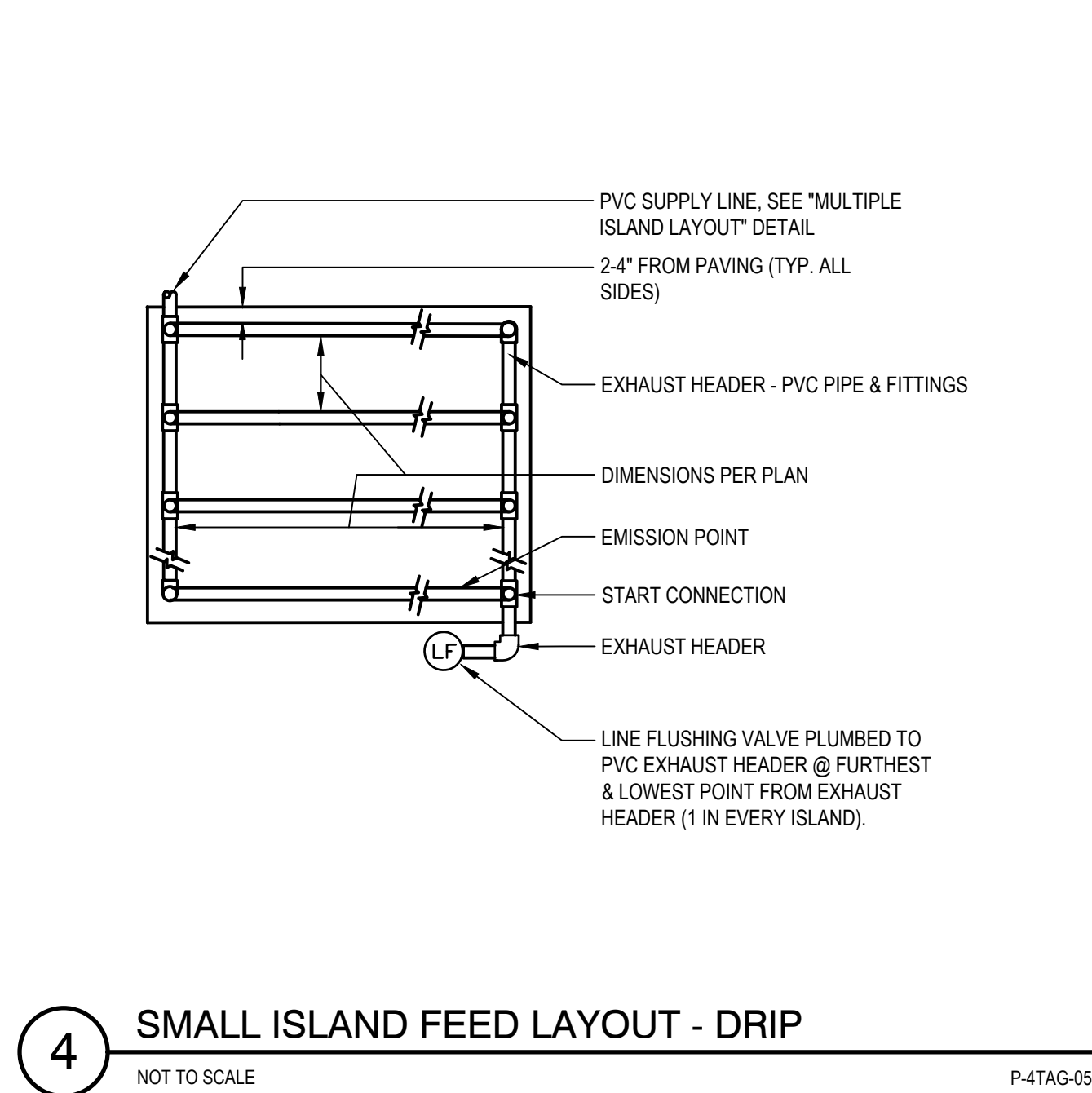
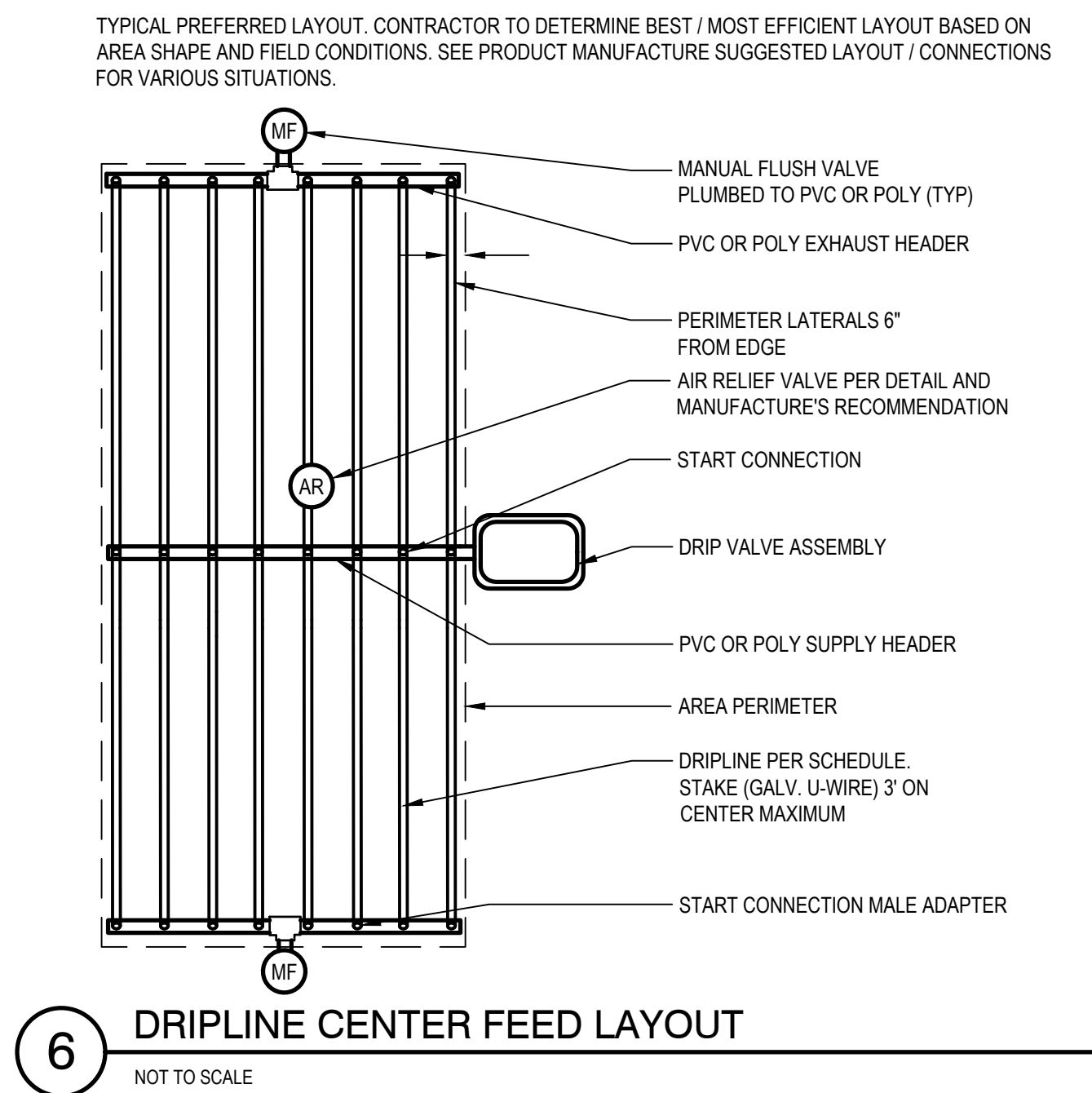
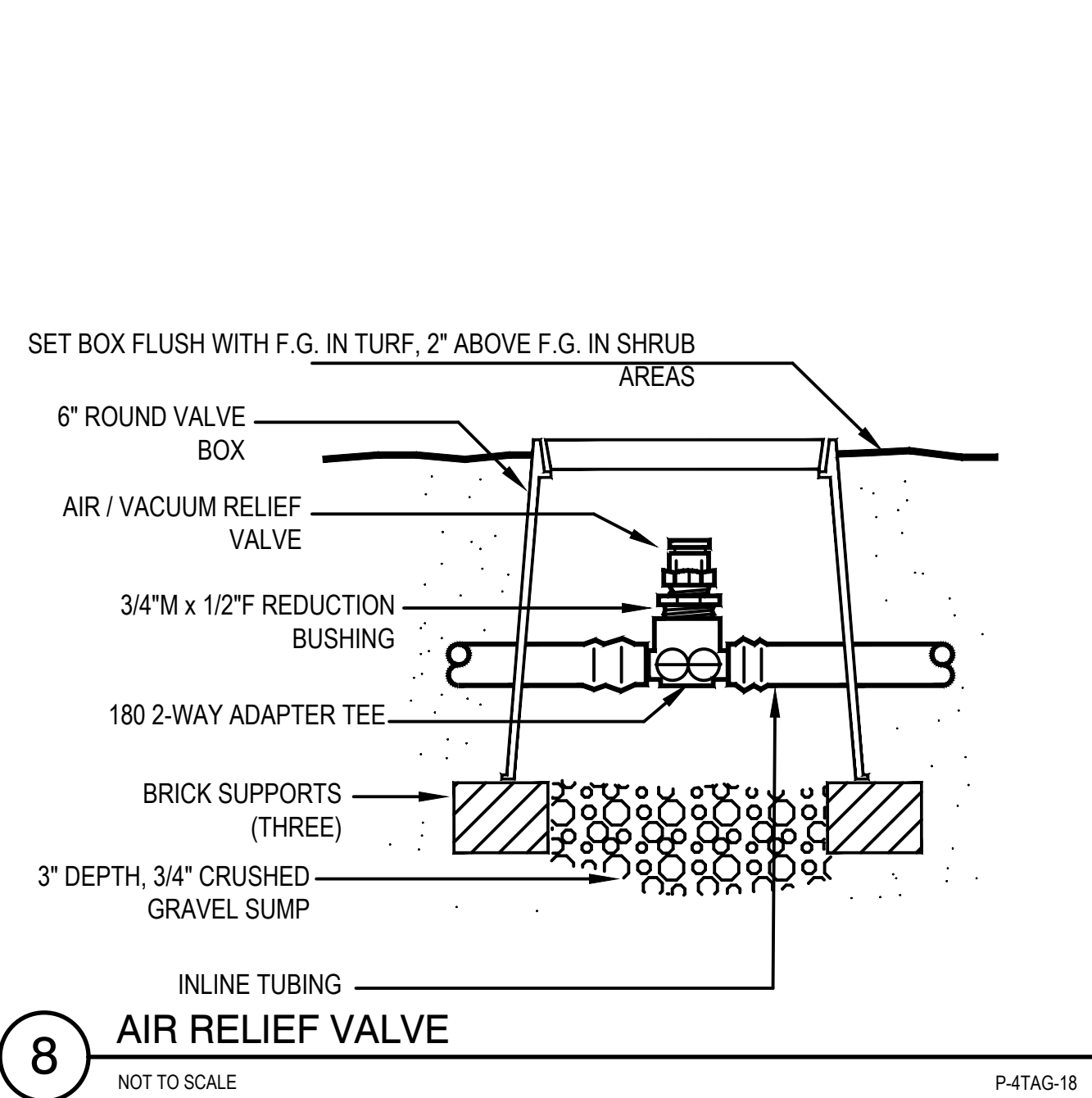
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

Title **IRRIGATION DETAILS**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Sheet No. **L-501** Sheet **187 of 195**

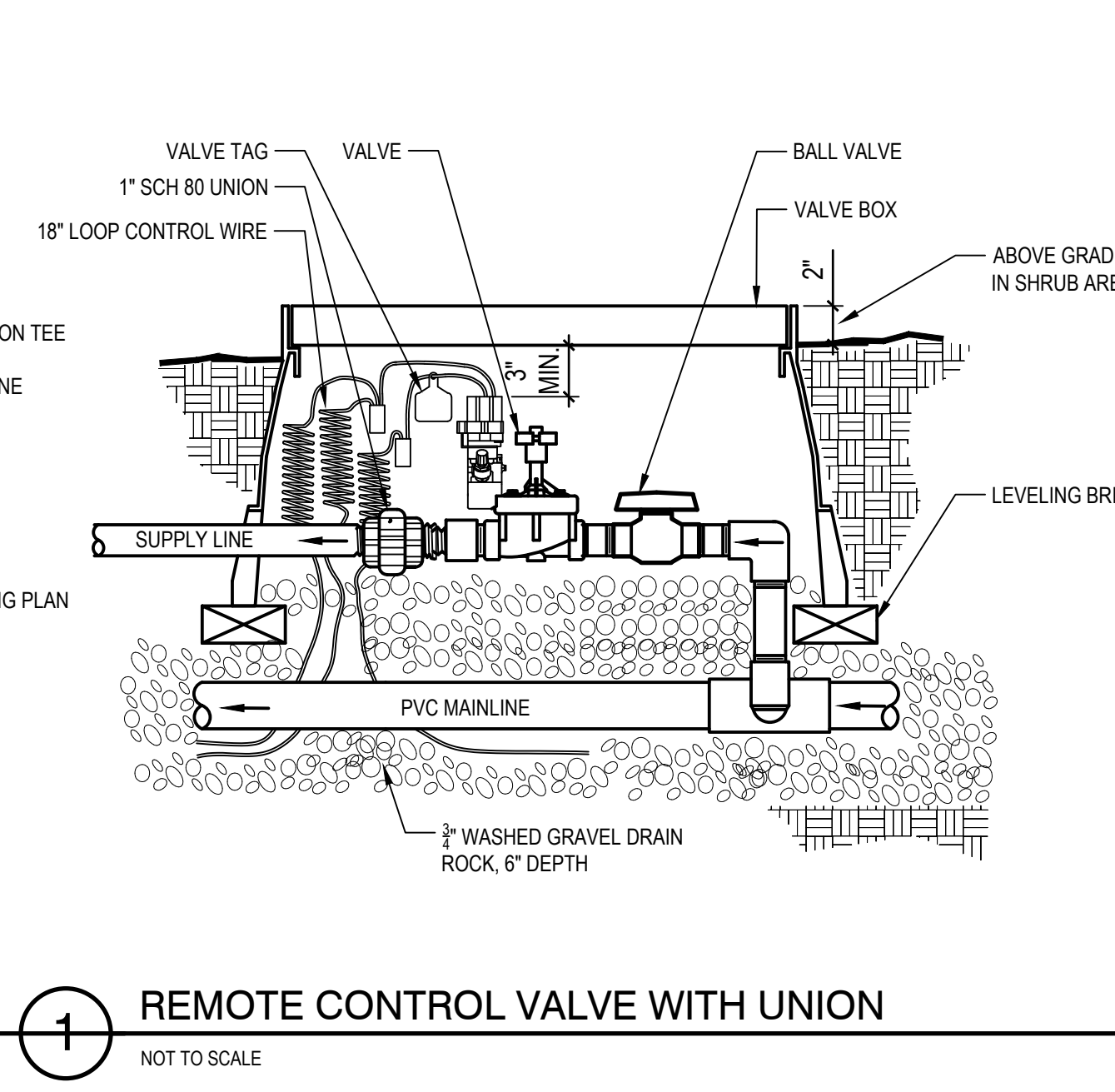
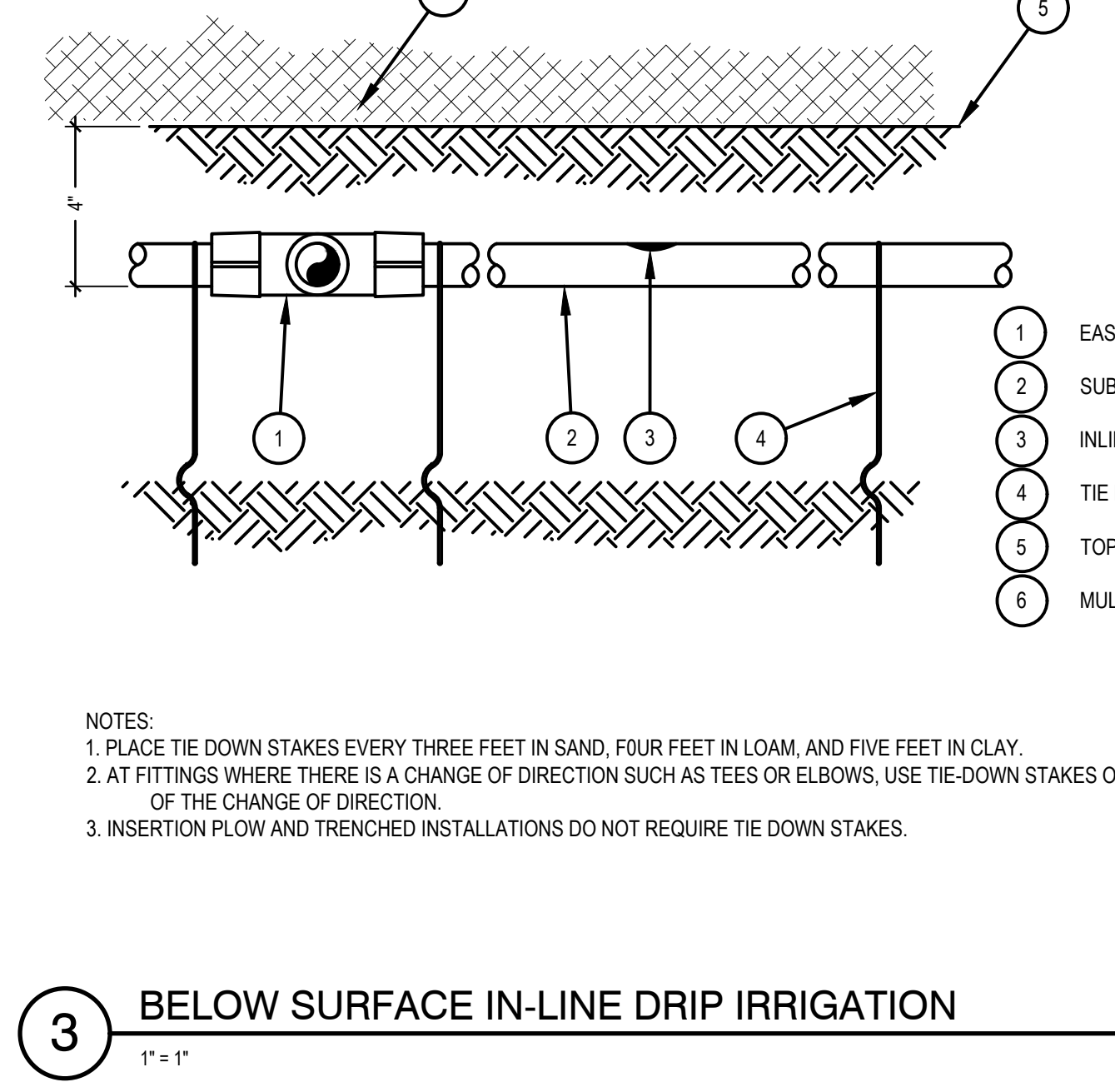
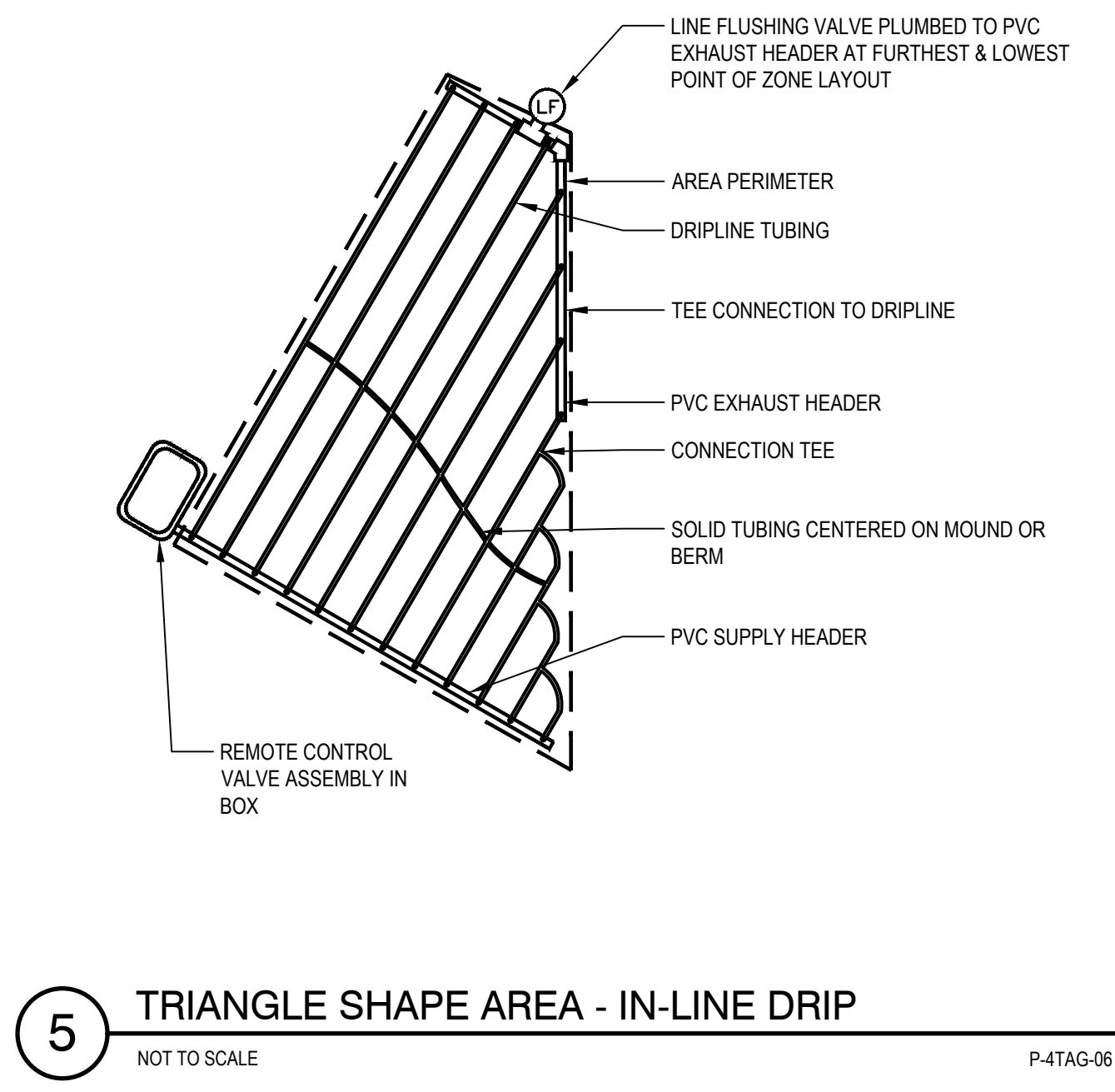
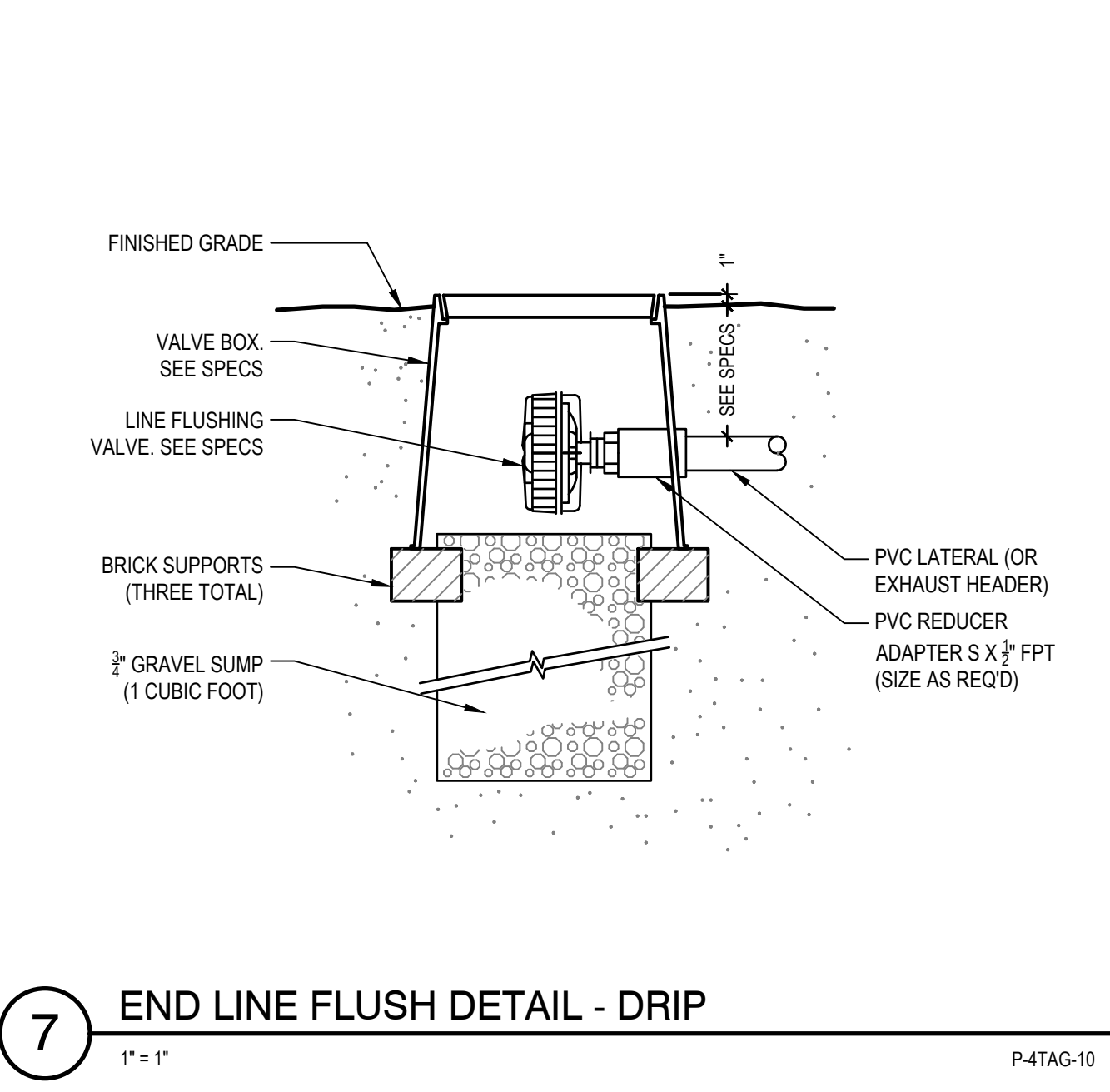


8 AIR RELIEF VALVE
NOT TO SCALE P-4TAG-10

6 DRIPLINE CENTER FEED LAYOUT
NOT TO SCALE P-4TAG-06

4 SMALL ISLAND FEED LAYOUT - DRIP
NOT TO SCALE P-4TAG-05

2 DRIP VALVE KIT
NOT TO SCALE



7 END LINE FLUSH DETAIL - DRIP
1" = 1" P-4TAG-10

5 TRIANGLE SHAPE AREA - IN-LINE DRIP
NOT TO SCALE P-4TAG-06

3 BELOW SURFACE IN-LINE DRIP IRRIGATION
1" = 1"

1 REMOTE CONTROL VALVE WITH UNION
NOT TO SCALE

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	XX	Design Check	SG	Project Director



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Project
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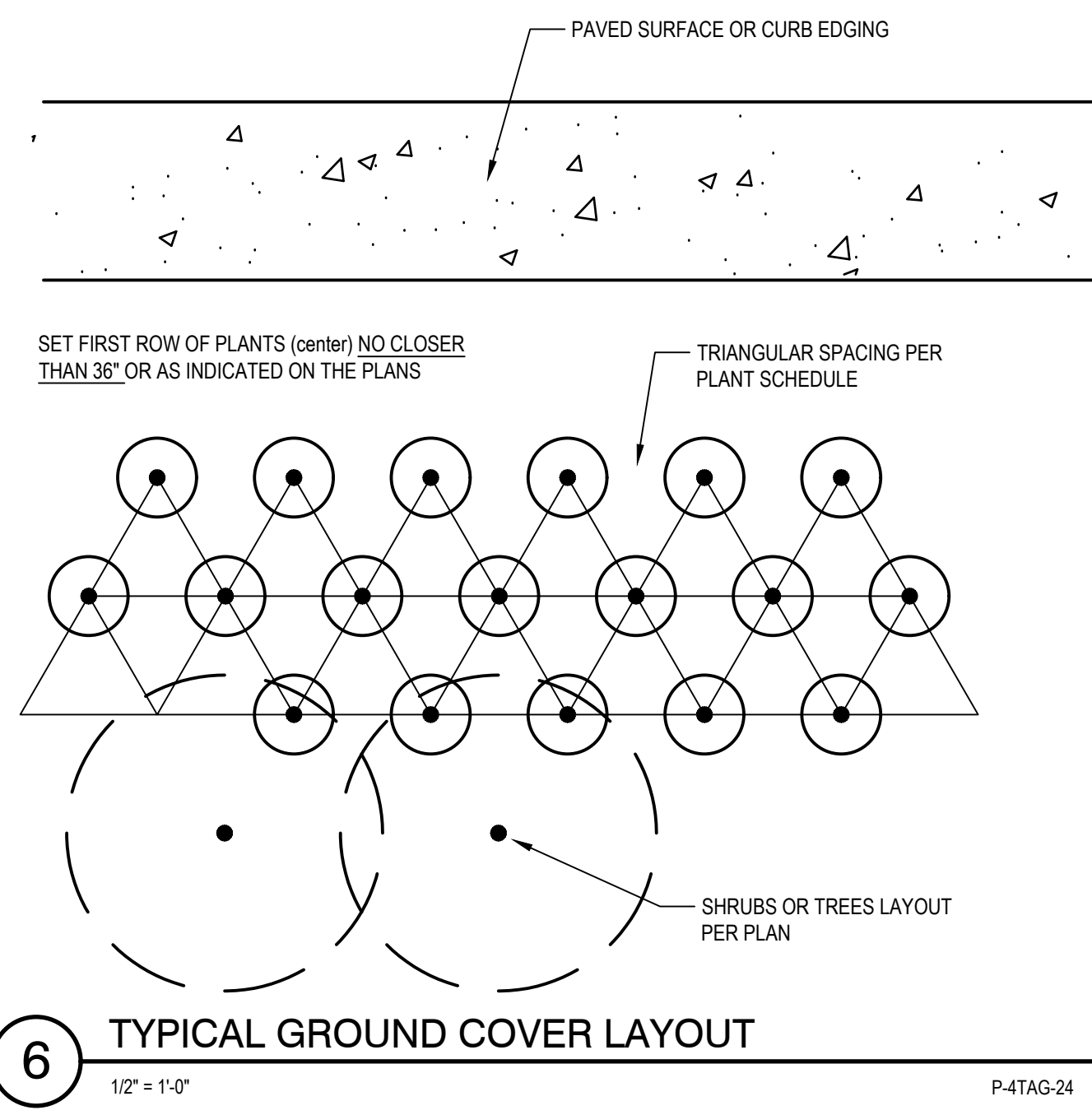
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **IRRIGATION DETAILS**

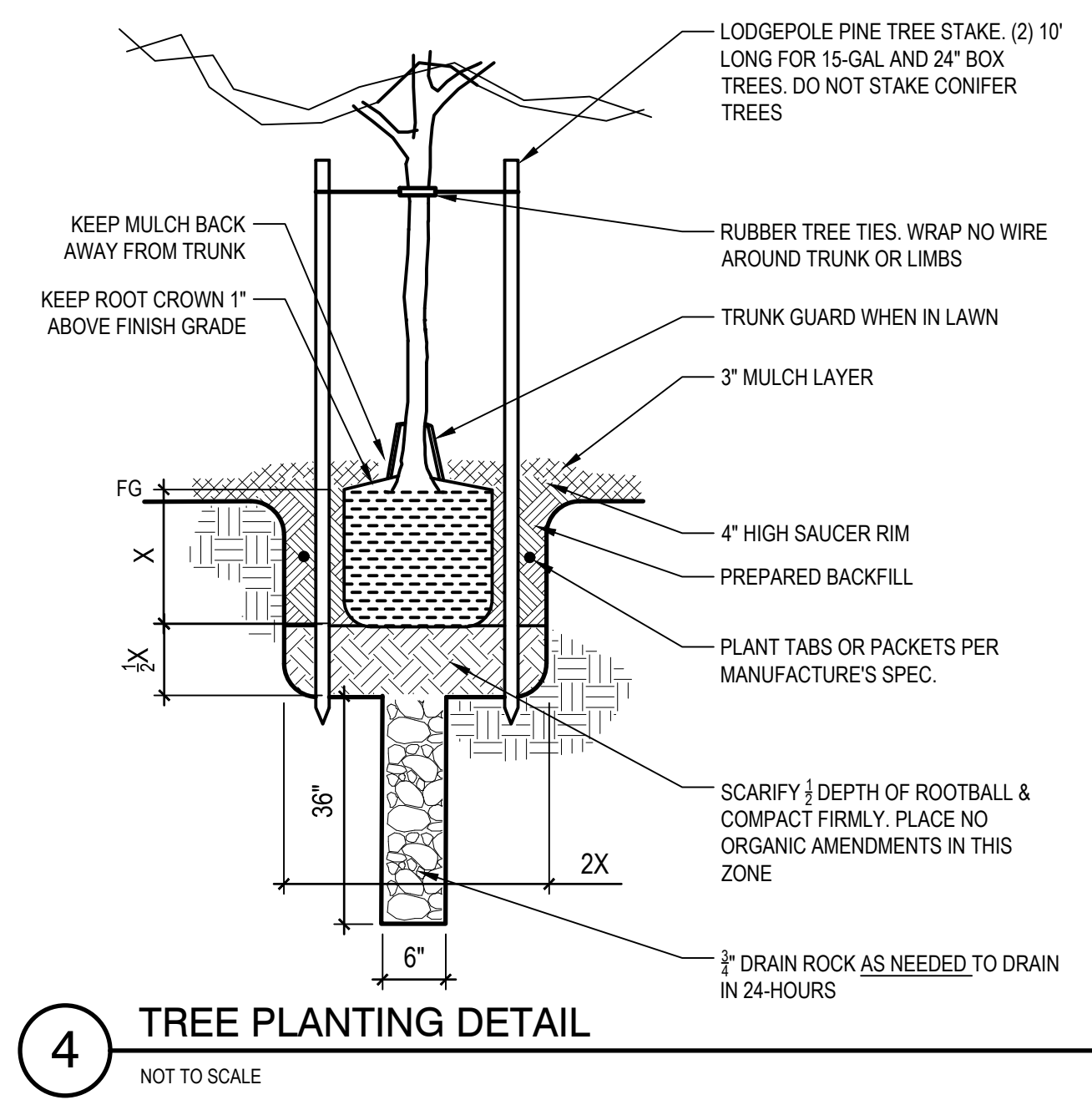
Size **ANSI D**

Status Code

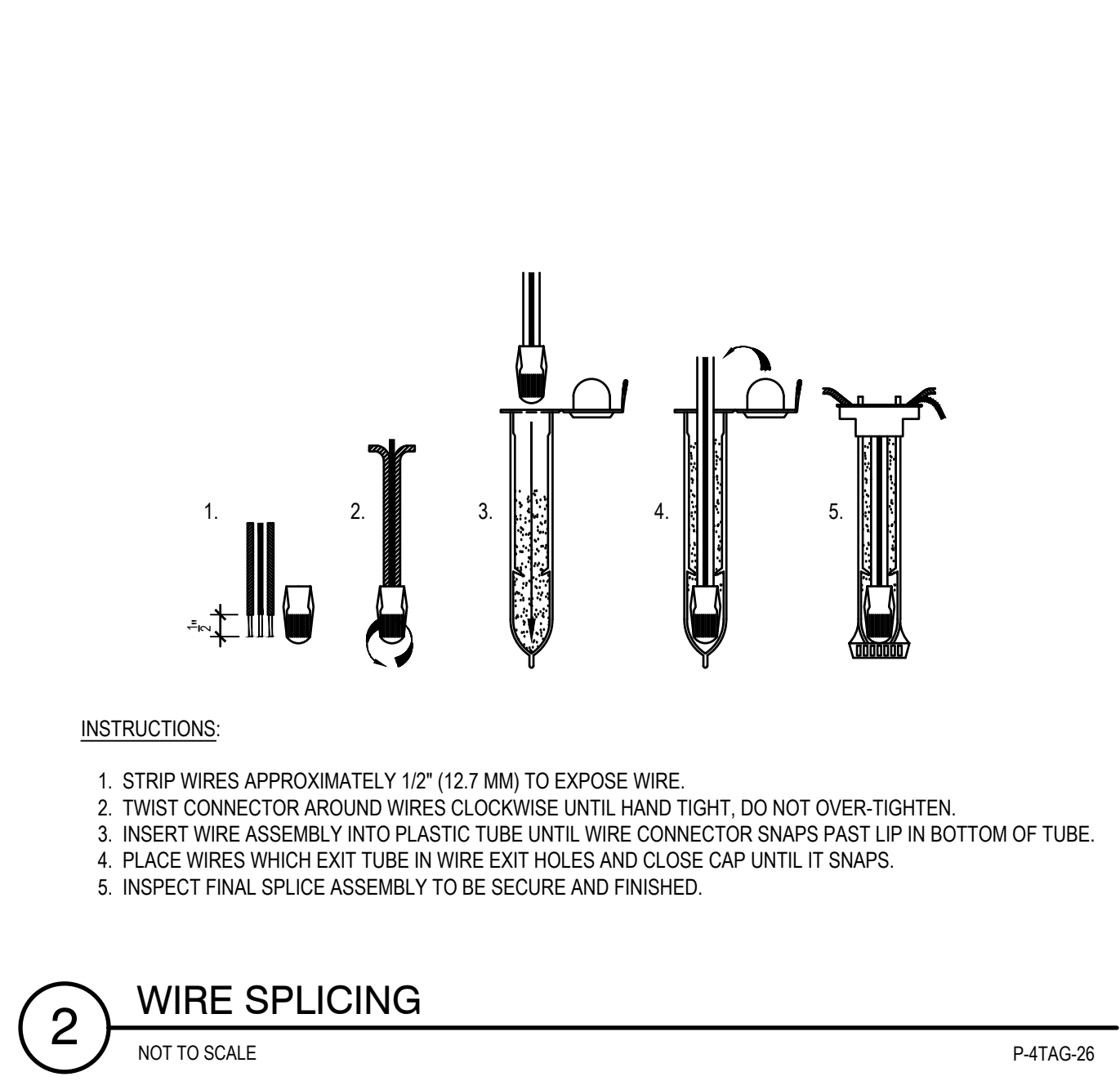
Sheet No. **L-502** Sheet **188 of 195**



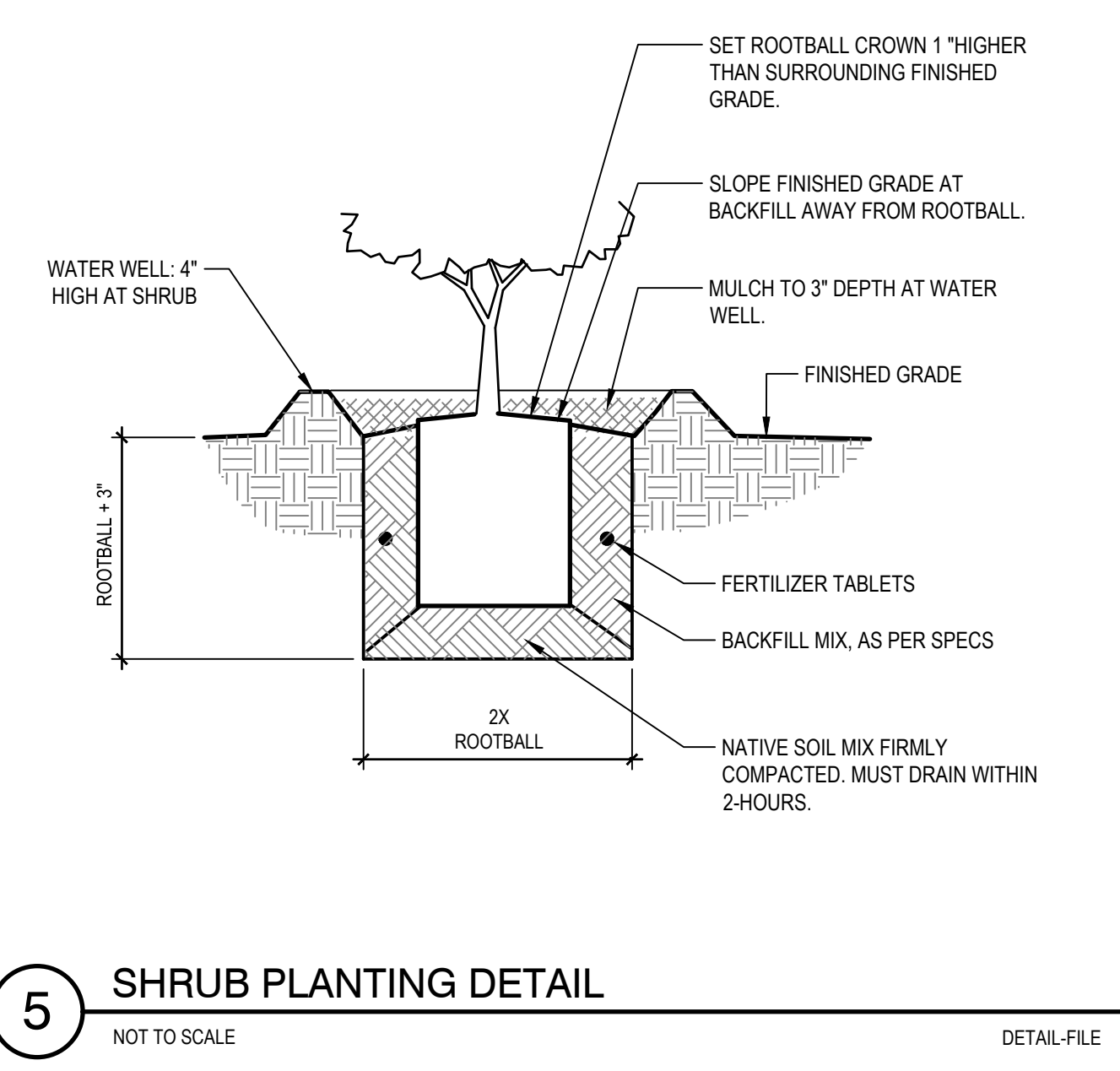
6 TYPICAL GROUND COVER LAYOUT
1/2" = 1'-0"
P-4TAG-24



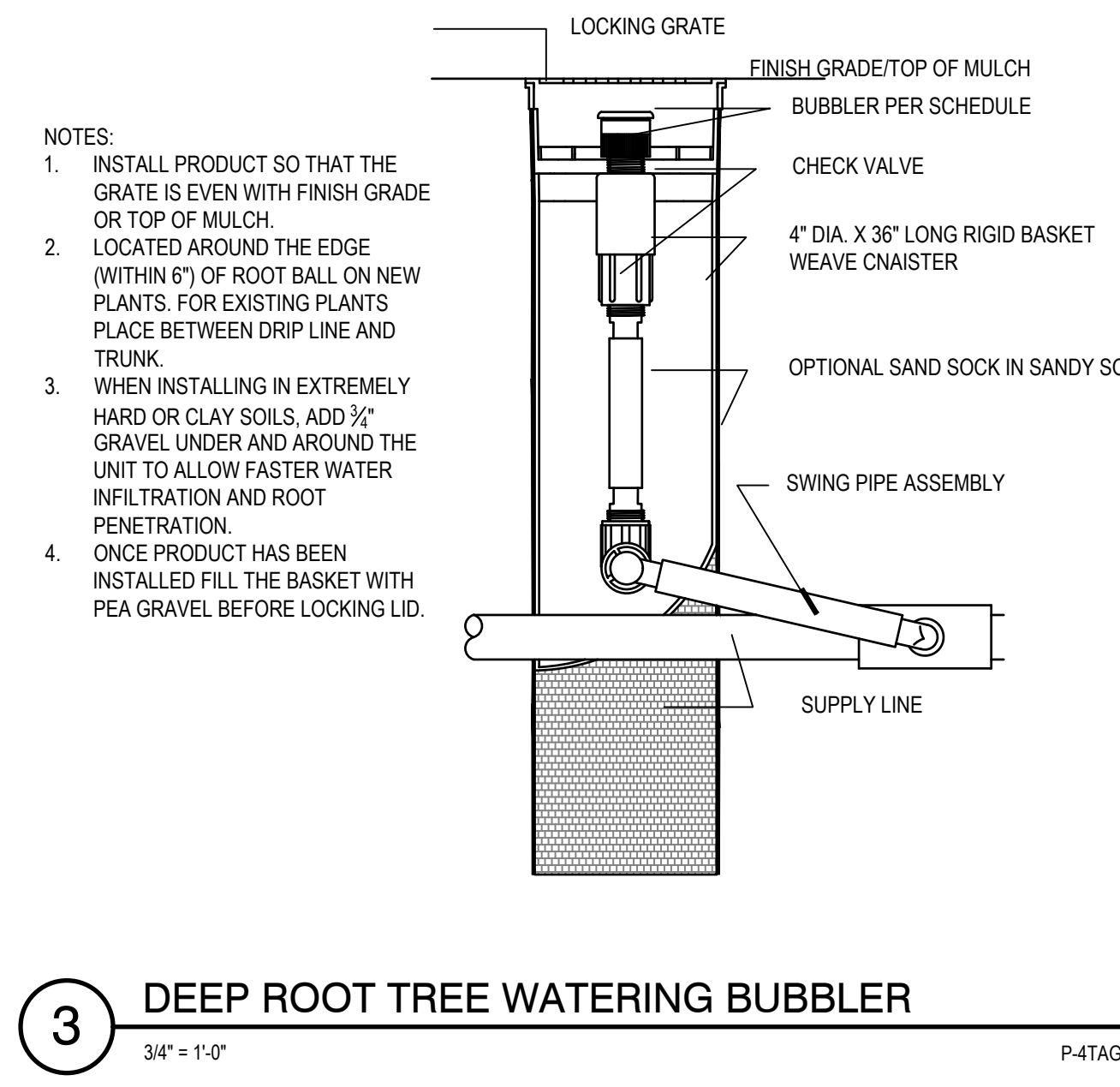
4 TREE PLANTING DETAIL
NOT TO SCALE



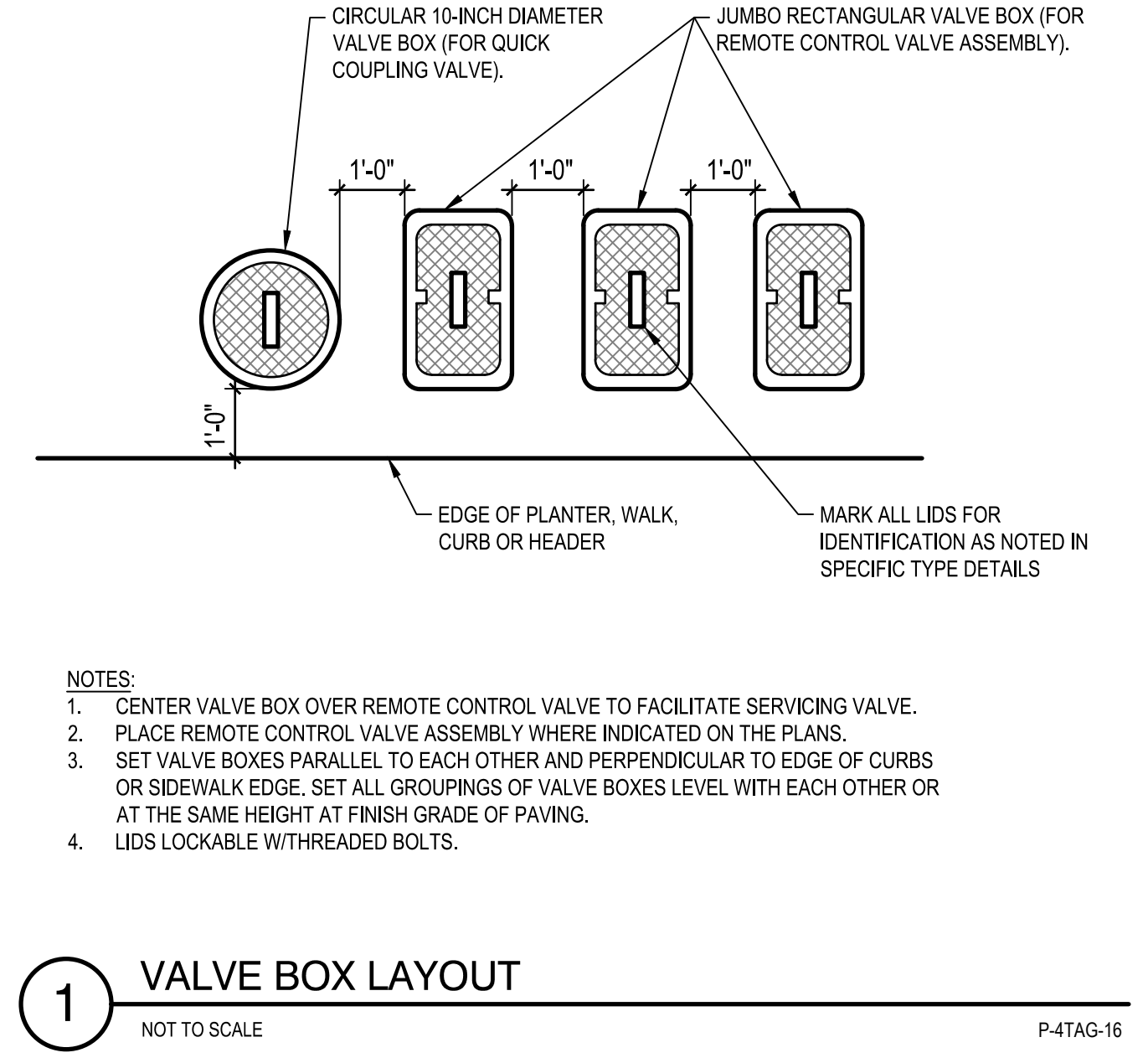
2 WIRE SPLICING
NOT TO SCALE
P-4TAG-26



5 SHRUB PLANTING DETAIL
NOT TO SCALE
DETAIL-FILE



3 DEEP ROOT TREE WATERING BUBBLER
3/4" = 1'-0"
P-4TAG-41



1 VALVE BOX LAYOUT
NOT TO SCALE
P-4TAG-16

No.	Issue	Checked	Approved	Date
Author	EM	Drafting Check	SG	Project Manager
Designer	XX	Design Check	SG	Project Director
				L. VAN PARYS
				K. VEDULA



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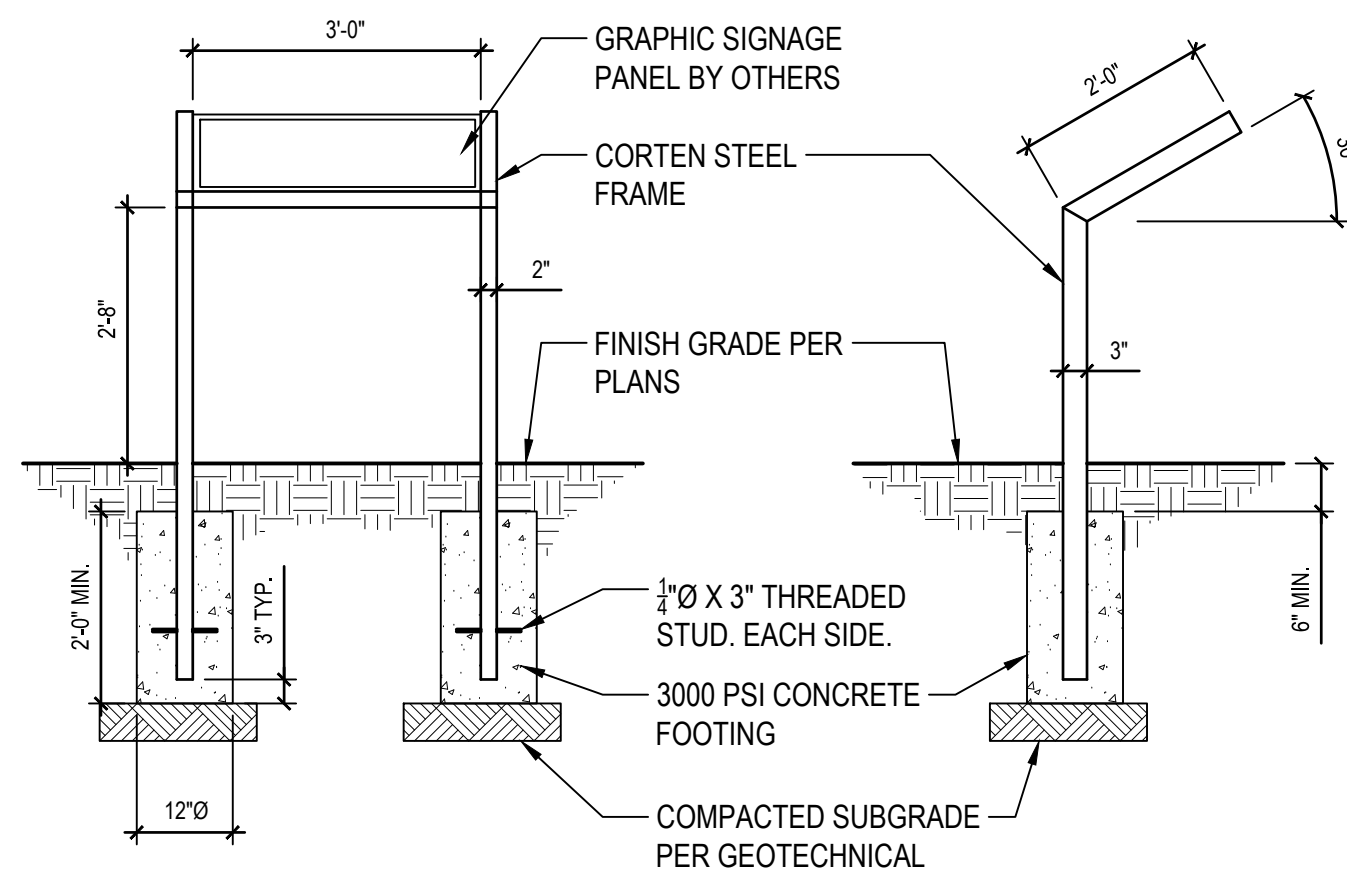
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Project
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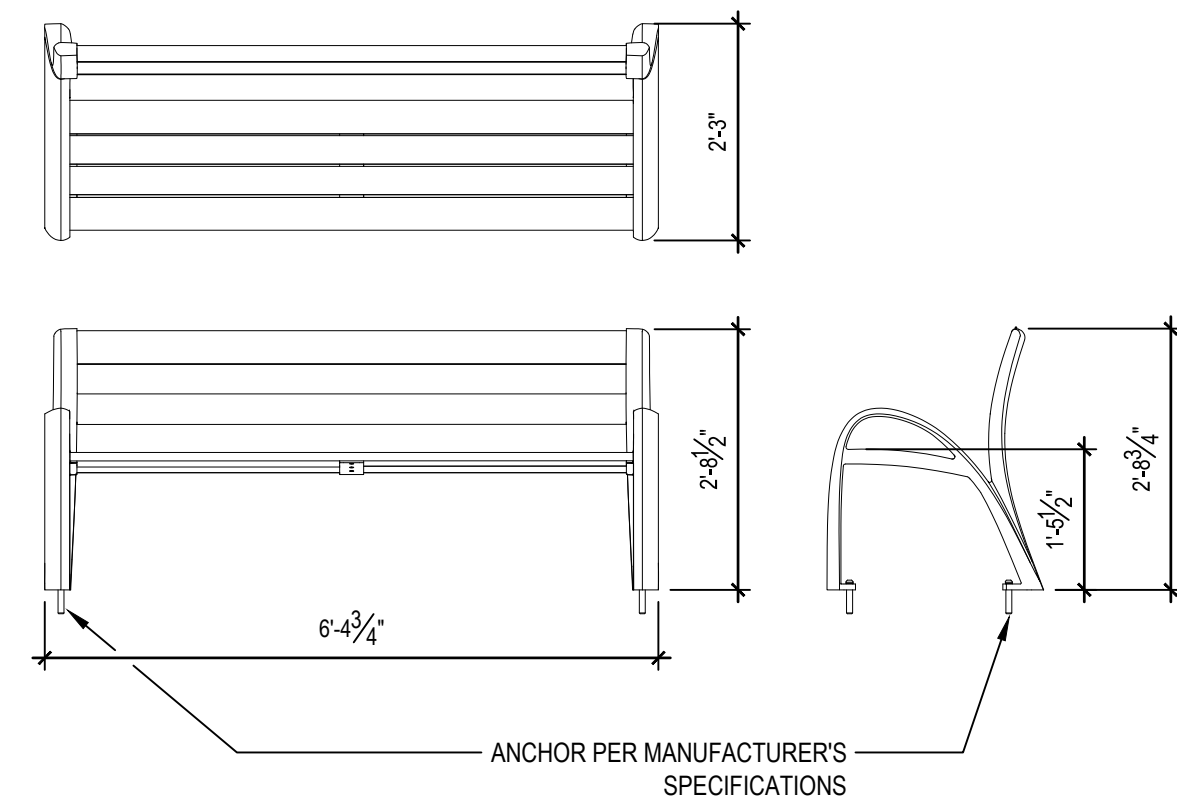
Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **IRRIGATION AND PLANTING DETAILS**

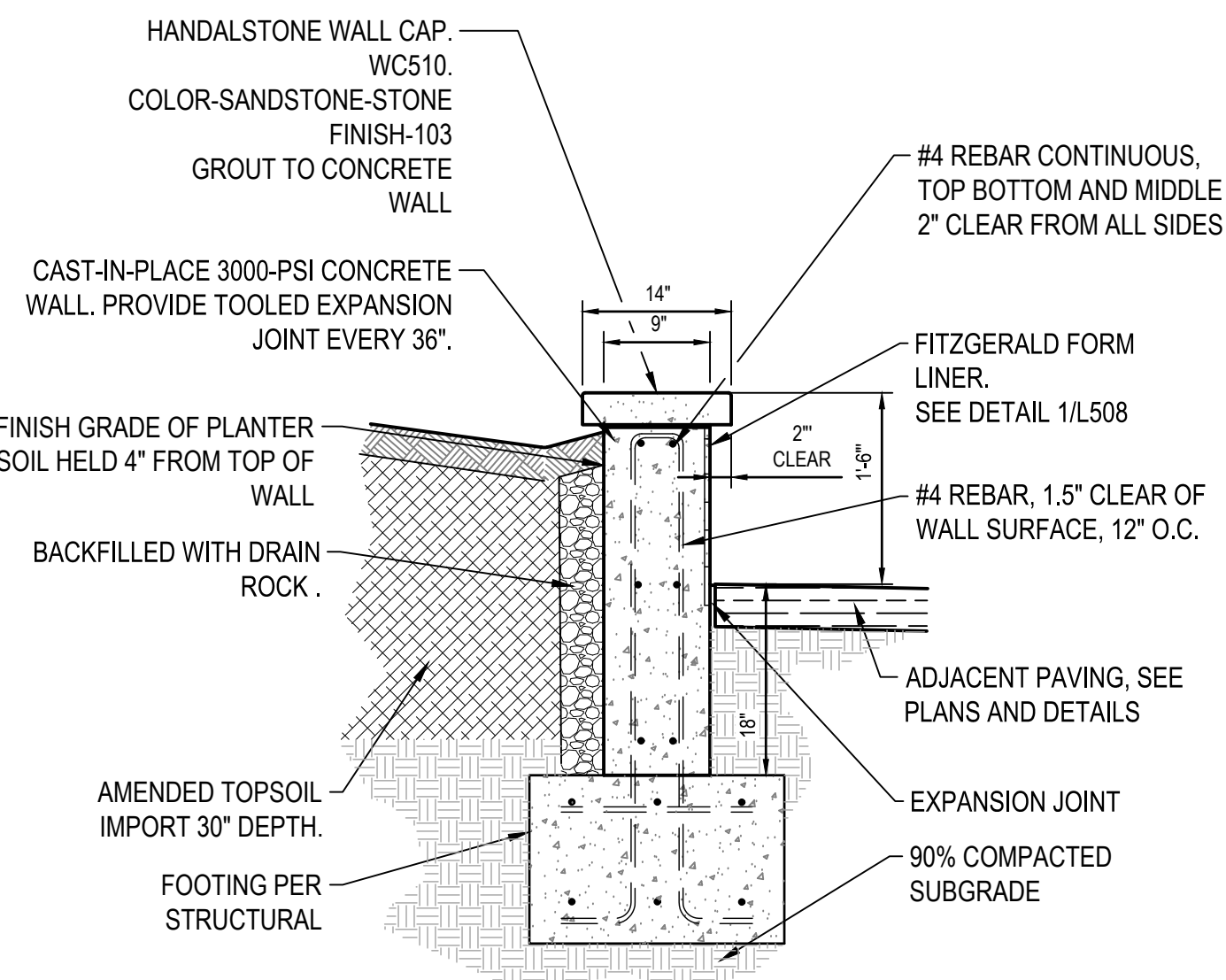
Sheet No. **L-503** Sheet 189 of 195



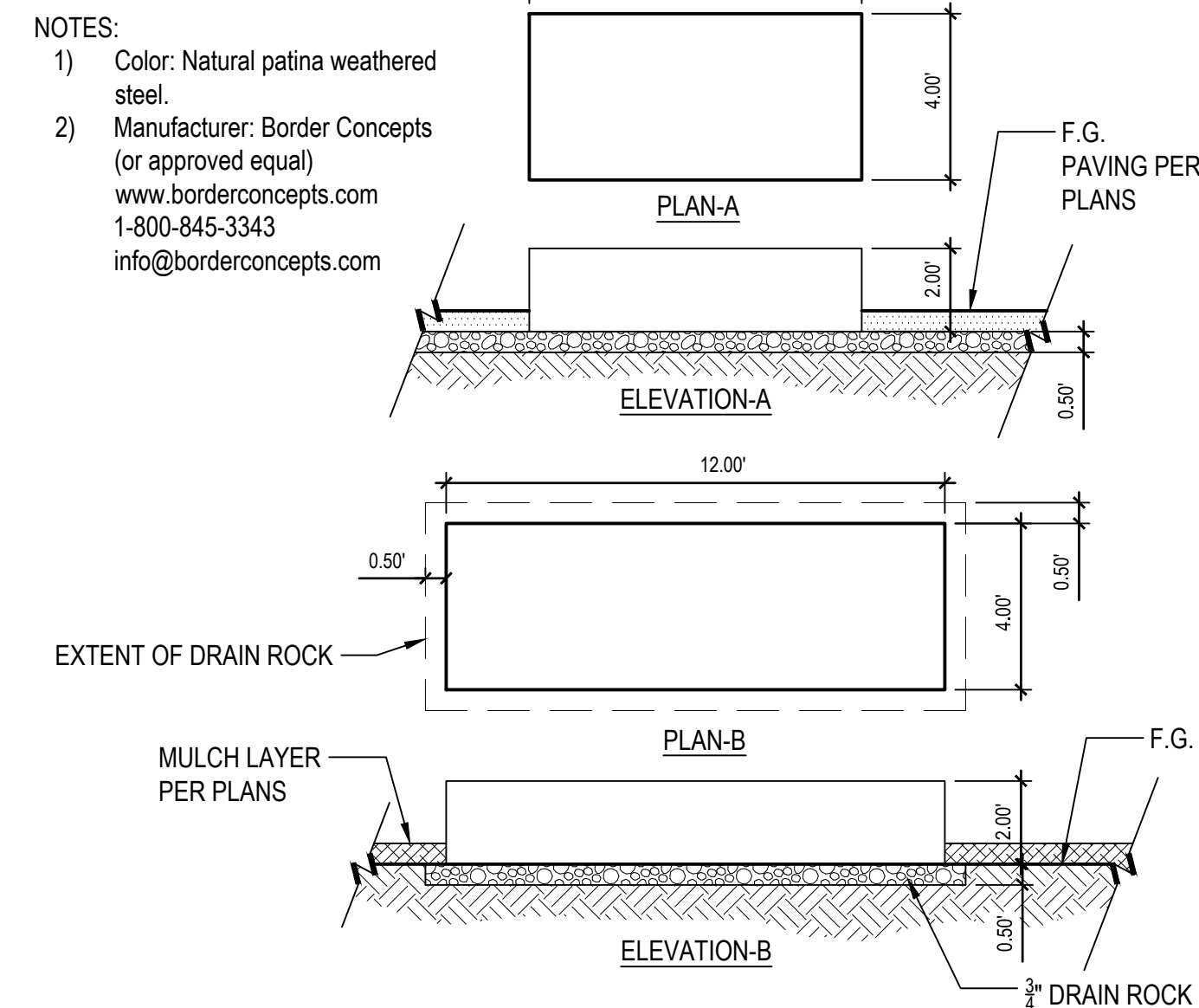
7 INTERPRETIVE SIGNAGE MOUNTS
1/2" = 1'-0" P-4TAG-66



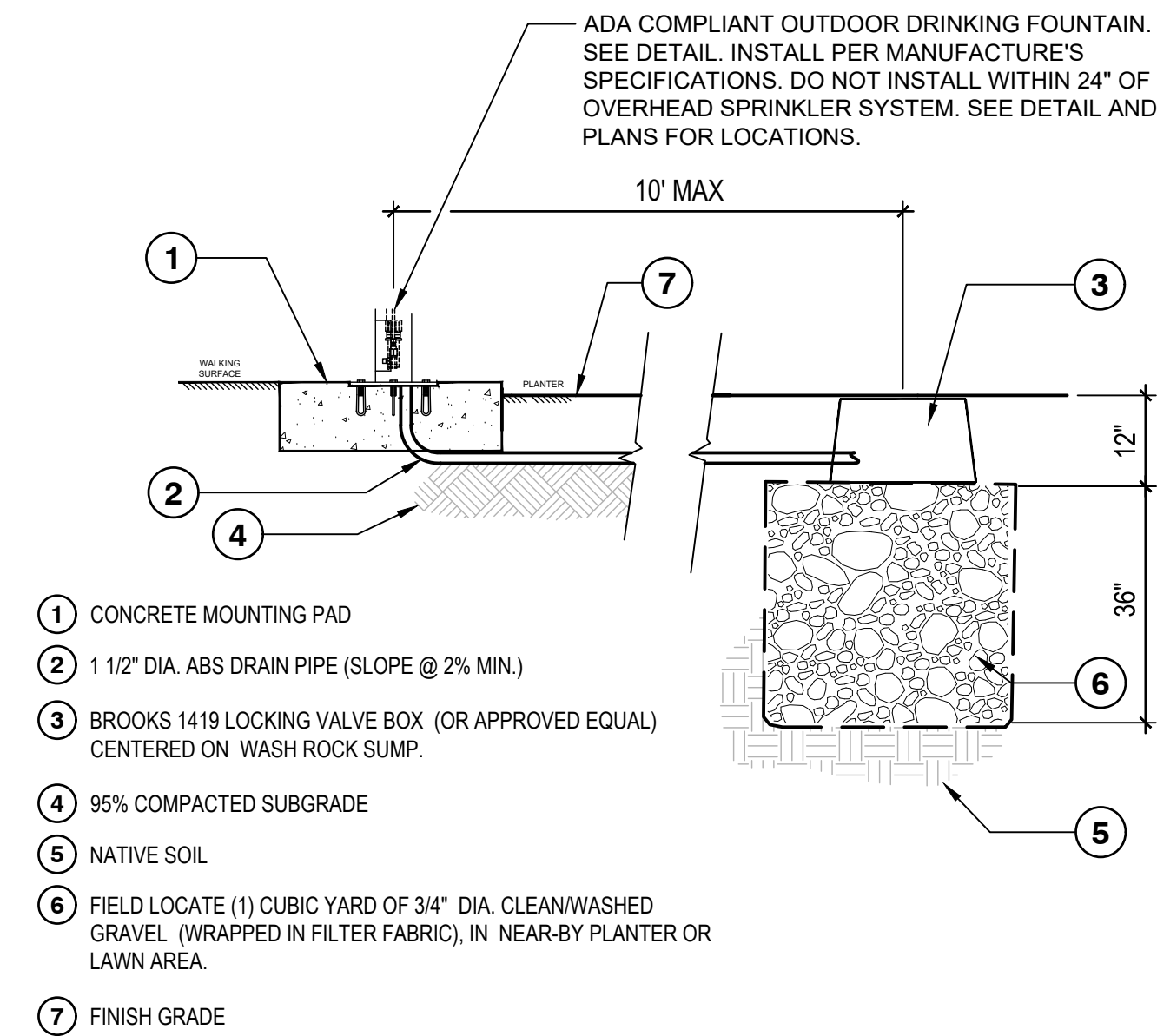
5 CAMBER BENCH
1/2" = 1'-0" P-4TAG-53



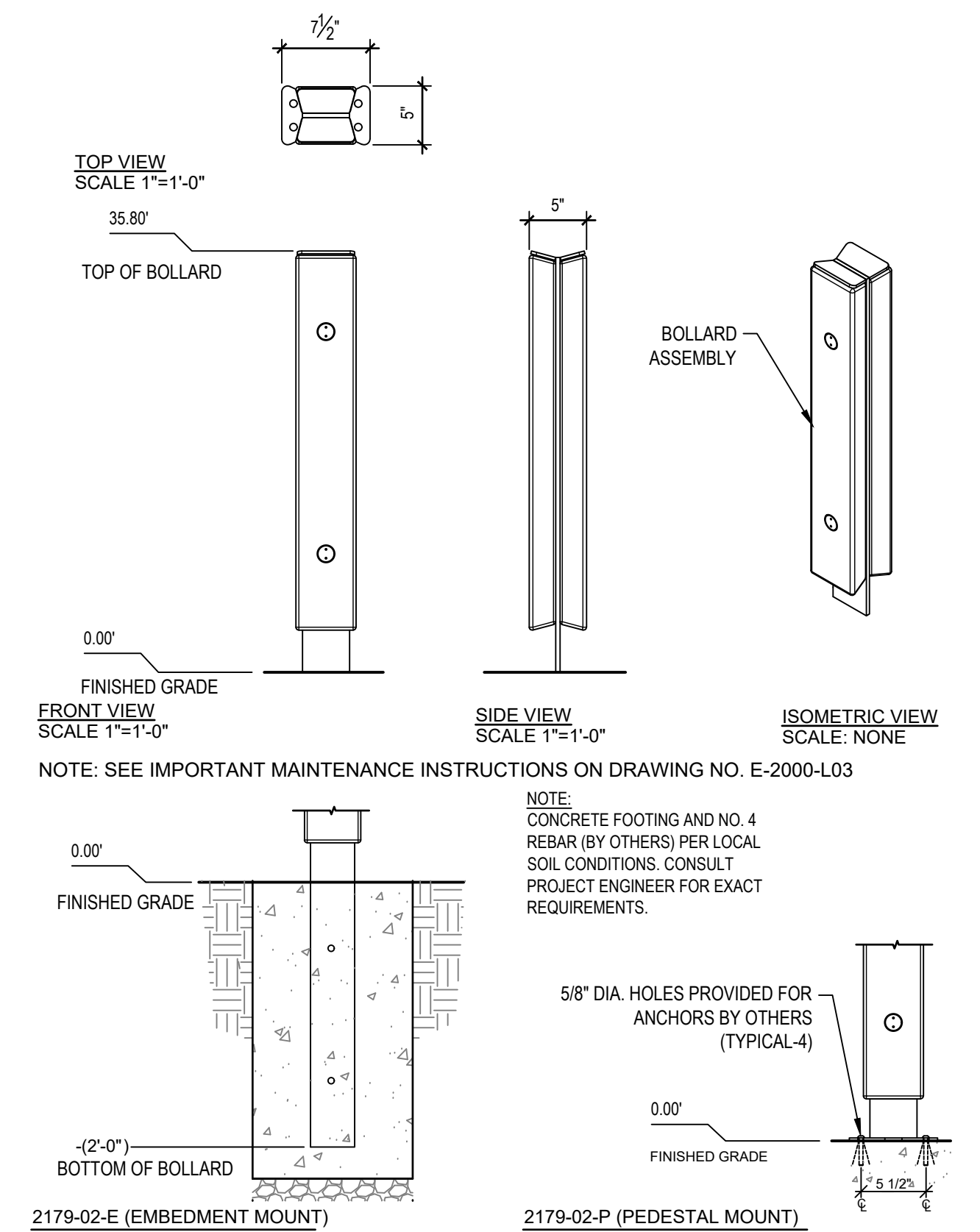
6 RAISED PLANTER - 18" LANDSCAPE WALL
3/4" = 1'-0" P-4TAG-69



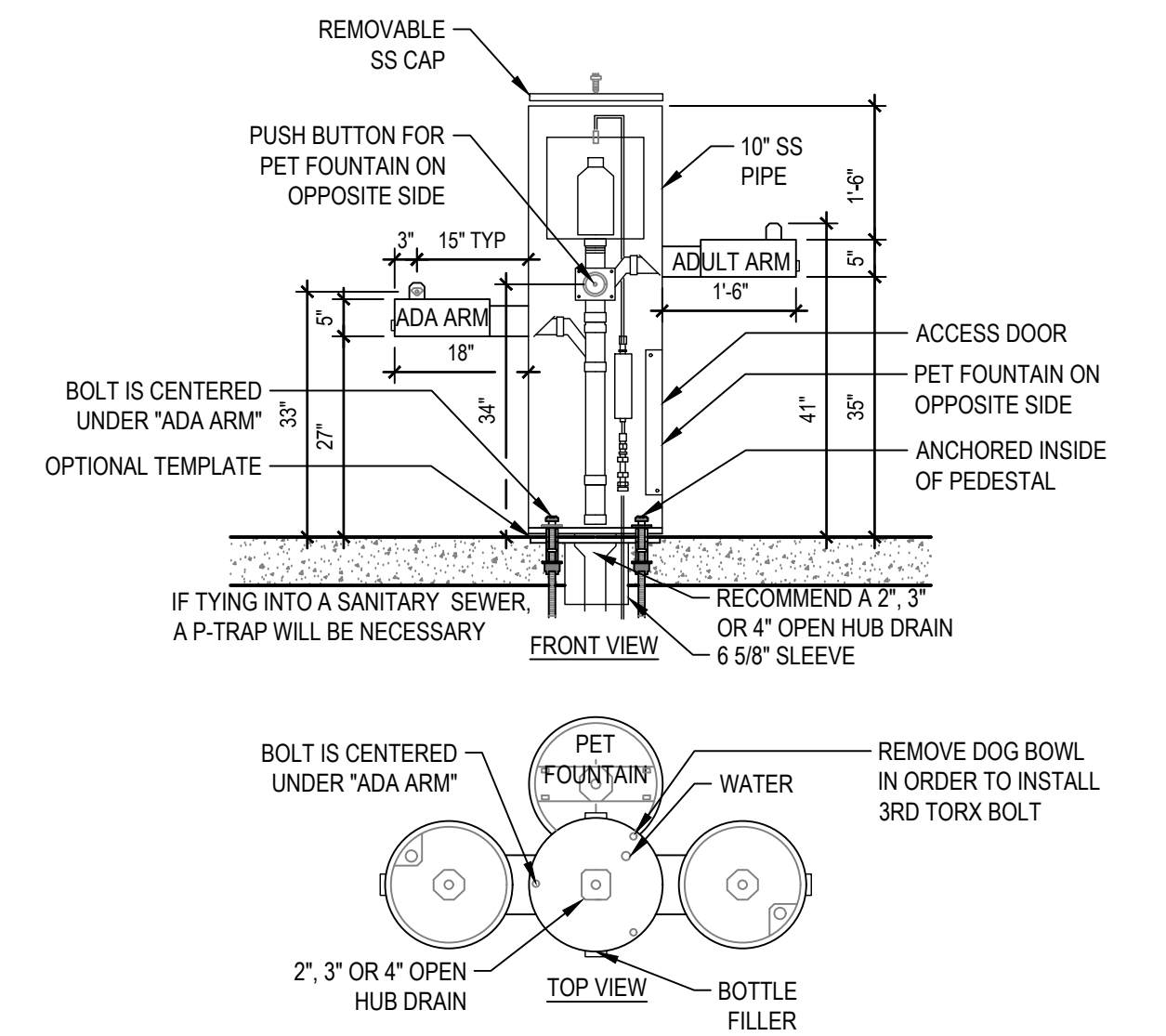
4 STEEL RAISED PLANTERS
1/4" = 1'-0" P-4TAG-70



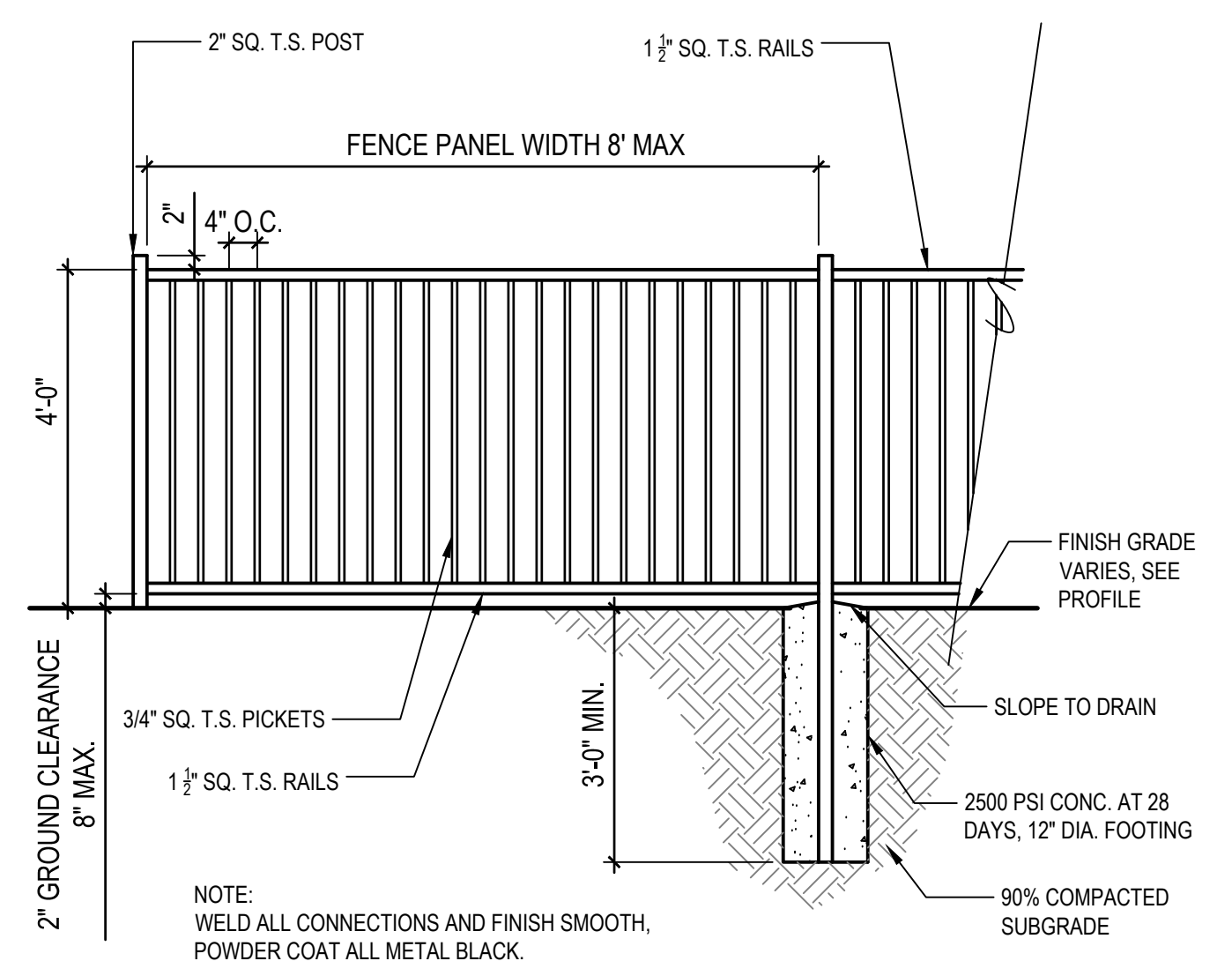
8 DRINKING FOUNTAIN DRAIN PIT
NOT TO SCALE P-4TAG-74



3 BOLLARD DETAIL
1" = 1'-0" P-4TAG-50



2 DRINKING FOUNTAIN
1/2" = 1'-0" P-4TAG-51



1 4' TALL METAL FENCE
1/2" = 1'-0" P-4TAG-44

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Designer	TH	Design Check	SG	Project Director	K. VEDULA



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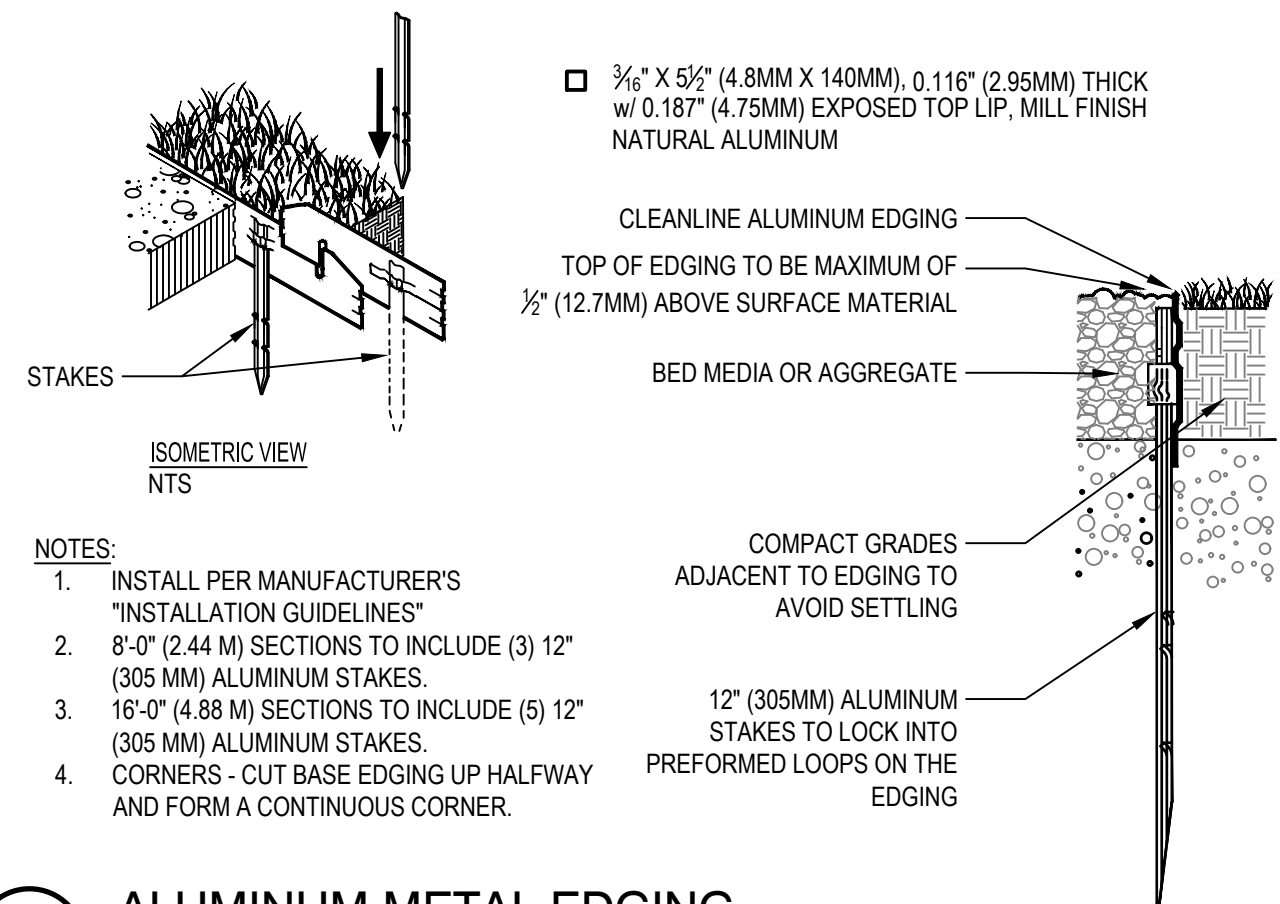
Client	TRANSPORTATION AGENCY FOR MONTEREY COUNTY
Project	FORTAG TRAIL PROJECT
Project No.	11220281
Date	December 1, 2023
Scale	AS SHOWN

Title: **AMENITY DETAILS**

Size: **ANSI D**

Status Code:

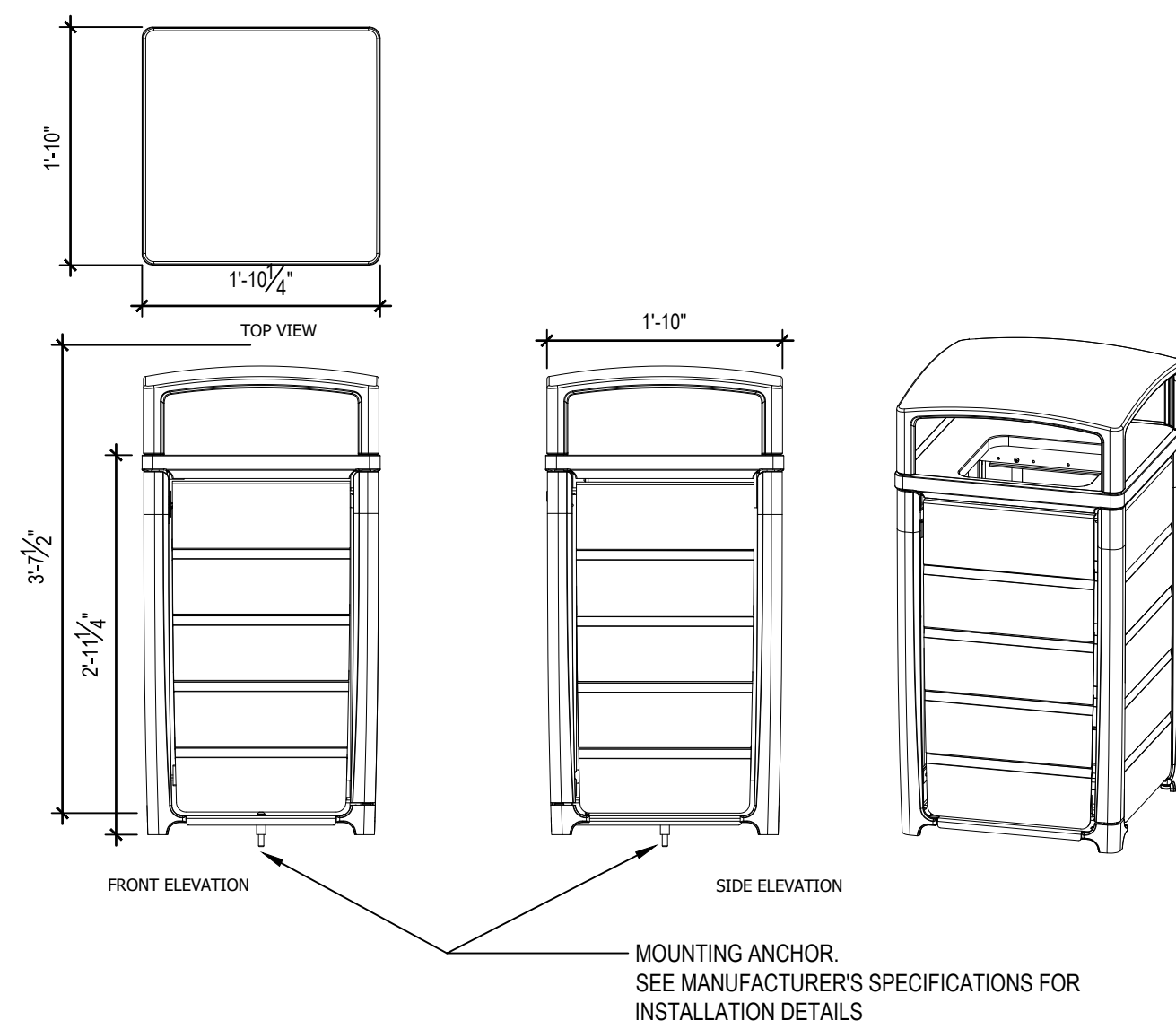
Sheet No. **L-504** of 195



7 ALUMINUM METAL EDGING

3\"/>

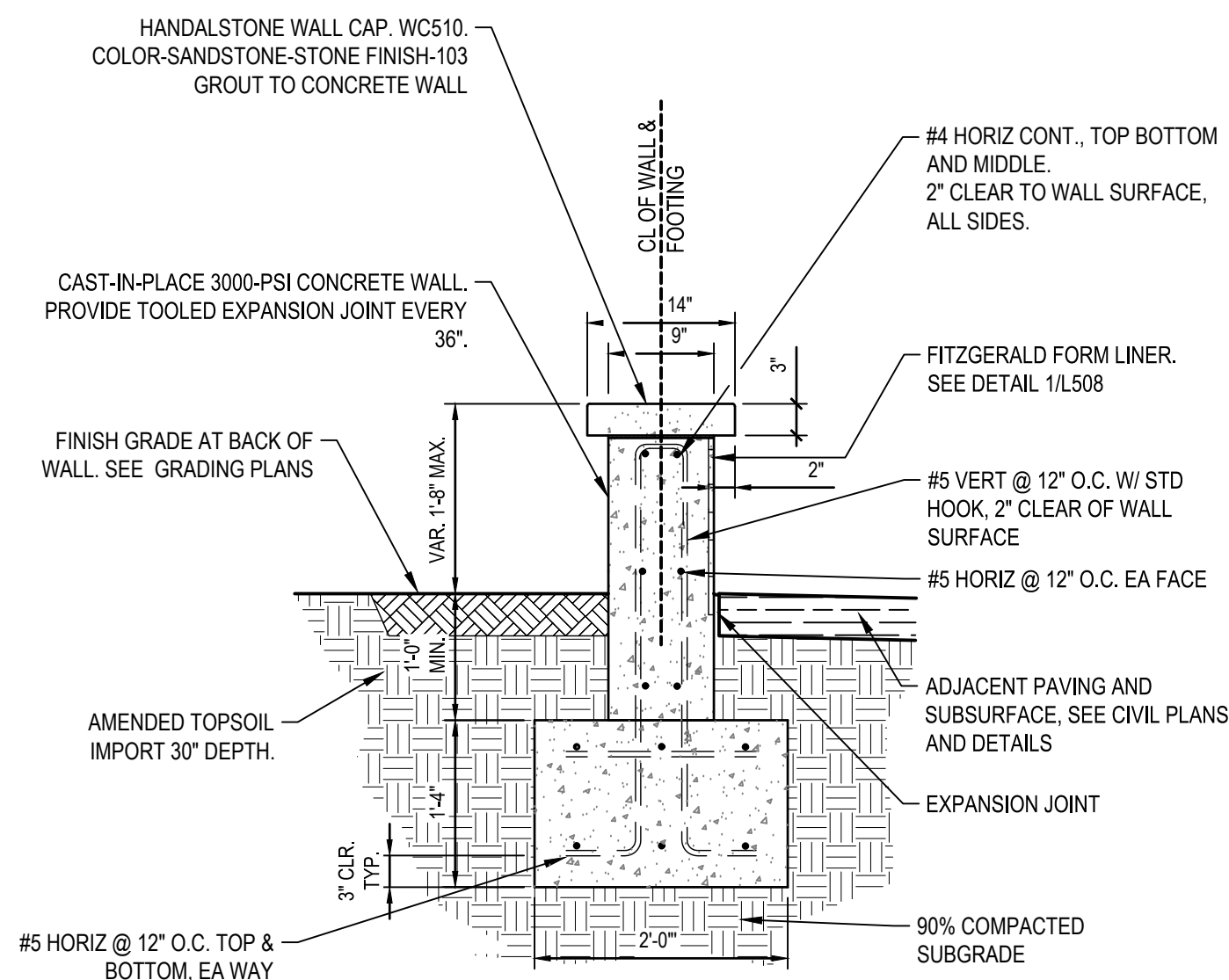
P-4TAG-25



5 CORDIA TRASH AND RECYCLE RECEPTACLES

3/4\"/>

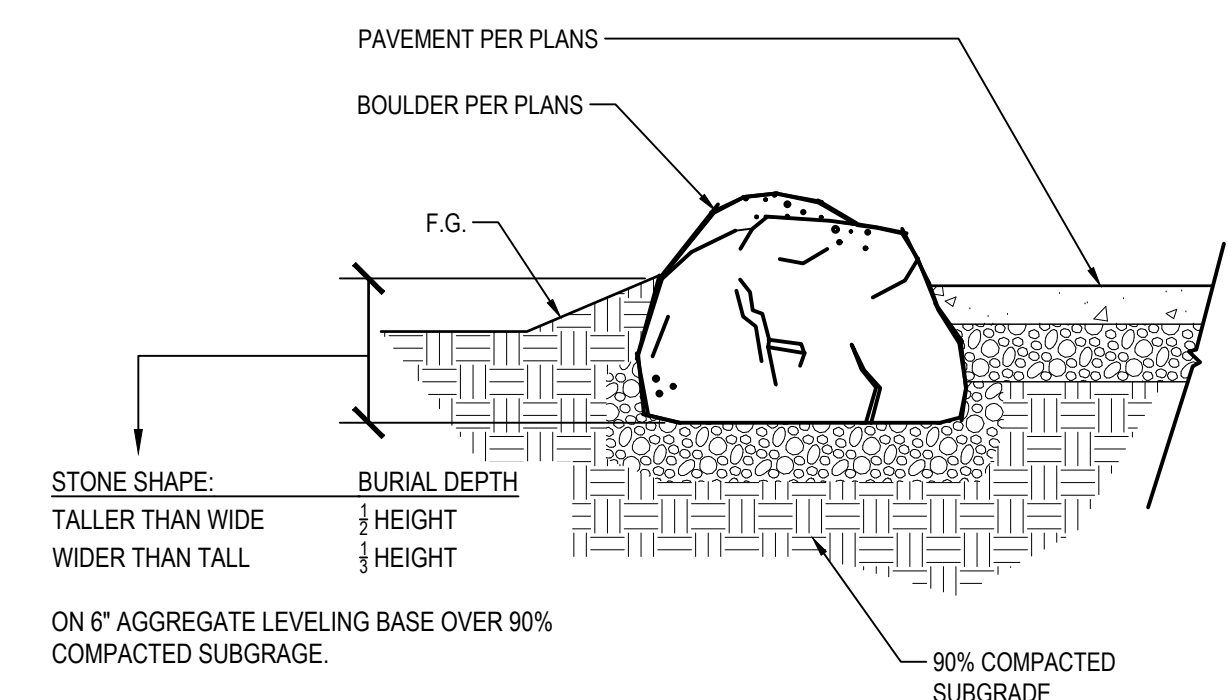
P-4TAG-55



3 SEAT WALL

3/4\"/>

P-4TAG-57

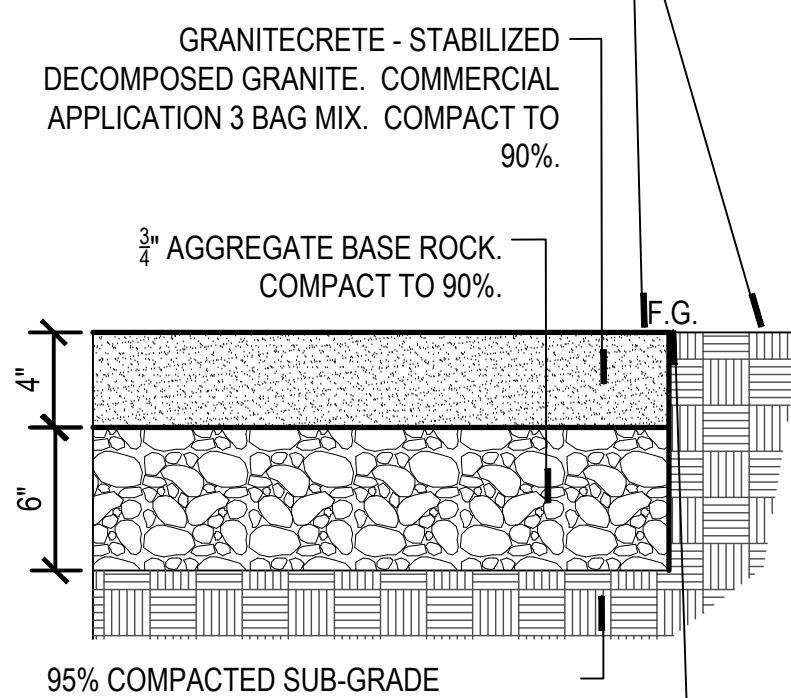


NOTES:
1) BOULDER SELECTION AND PLACEMENTS TO BE DETERMINED IN-FIELD WITH CONTRACTOR AND LANDSCAPE ARCHITECT.

KEYED BOULDER SETTING DETAIL

STABILIZED DECOMPOSED GRANITE SHALL BE CONSTRUCTED USING GRANITECRETE ADMIXTURE. FOR MORE INFORMATION OR TO BE CONNECTED WITH A LOCAL REPRESENTATIVE, CONTACT GRANITECRETE INCORPORATED, WWW.GRANITECRETE.COM OR CALL (800) 670-0849

INSTALL SO THAT ALL D.G. EDGES ARE FLUSH WITH ADJACENT GRADES



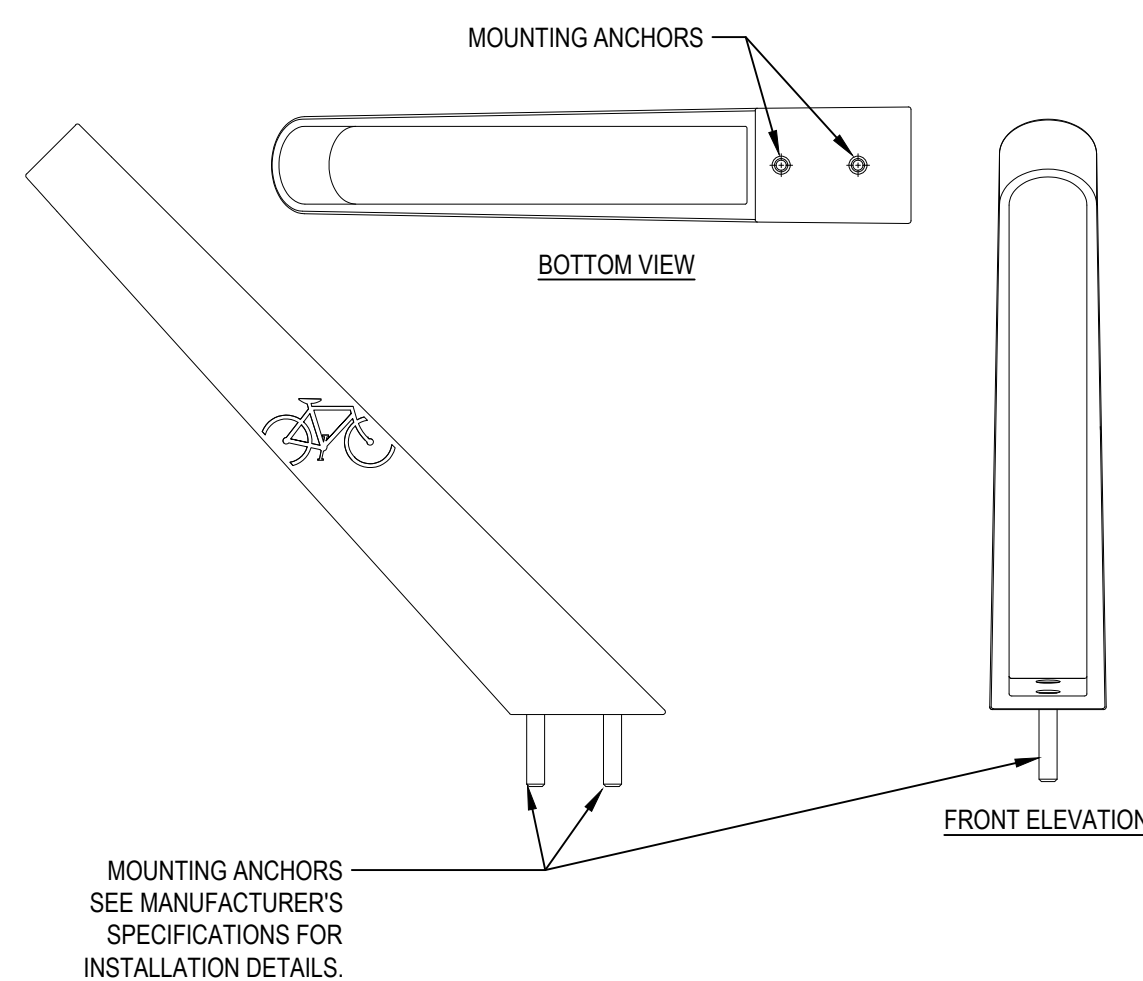
NOTES:

1. GRANITECRETE TO BE INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND BY AN APPROVED INSTALLER. CONTACT GRANITECRETE FOR ASSISTANCE.
2. GRANITECRETE MUST BE PRE-MIXED AND DELIVERED TO THE SITE FROM AN APPROVED GRANITECRETE PRE-MIX FACILITY.
3. PROVIDE MOCK UP FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
4. GRANITECRETE MUST BE INSTALLED USING THE "WET METHOD"

INSTALL METAL EDGING PER MANUFACTURER RECOMMENDATIONS WHEN ADJACENT TO UNPAVED SURFACES

6 STABILIZED D.G. (GRANITECRETE)

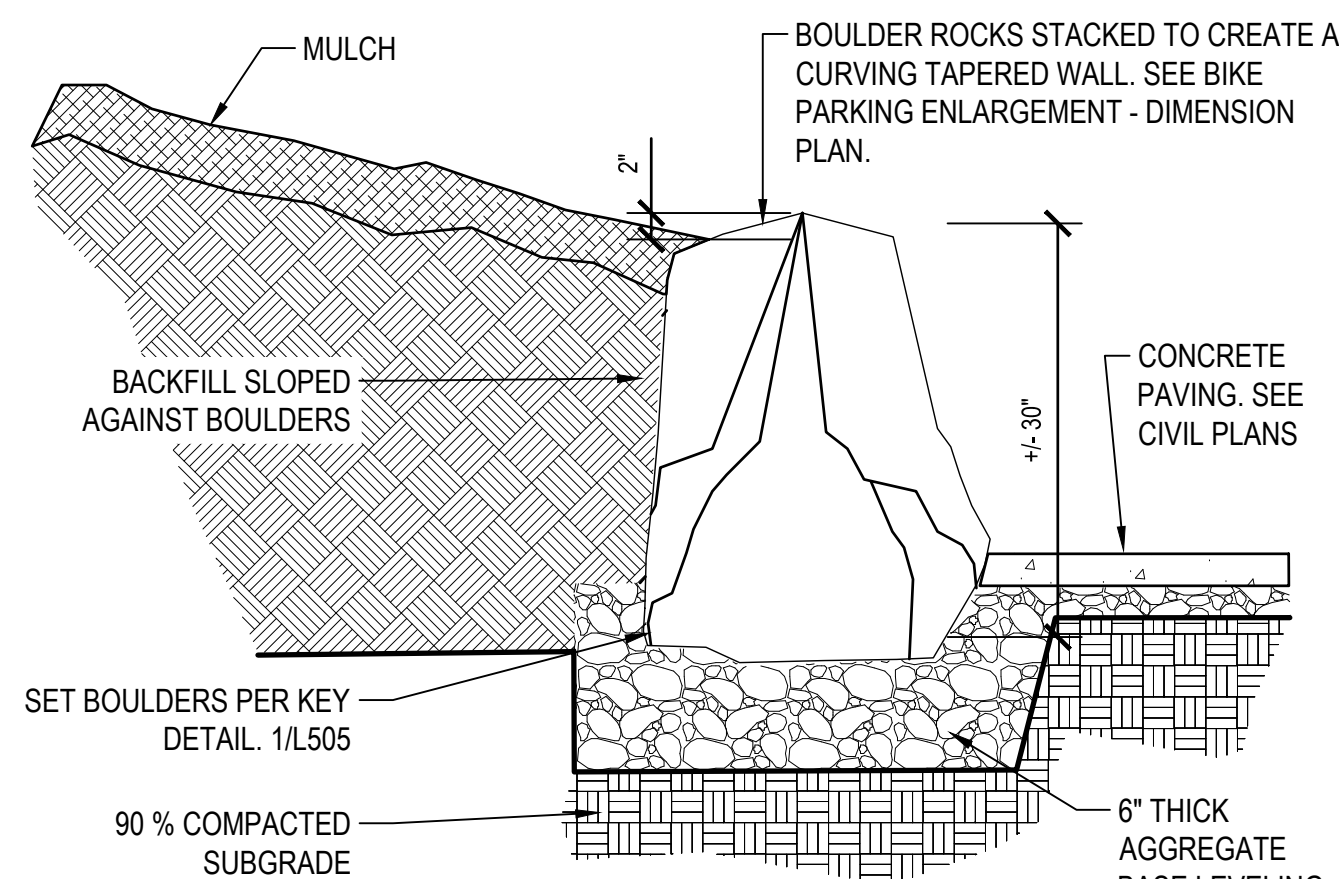
1 1/2\"/>



4 BAY CITY BIKE RACK

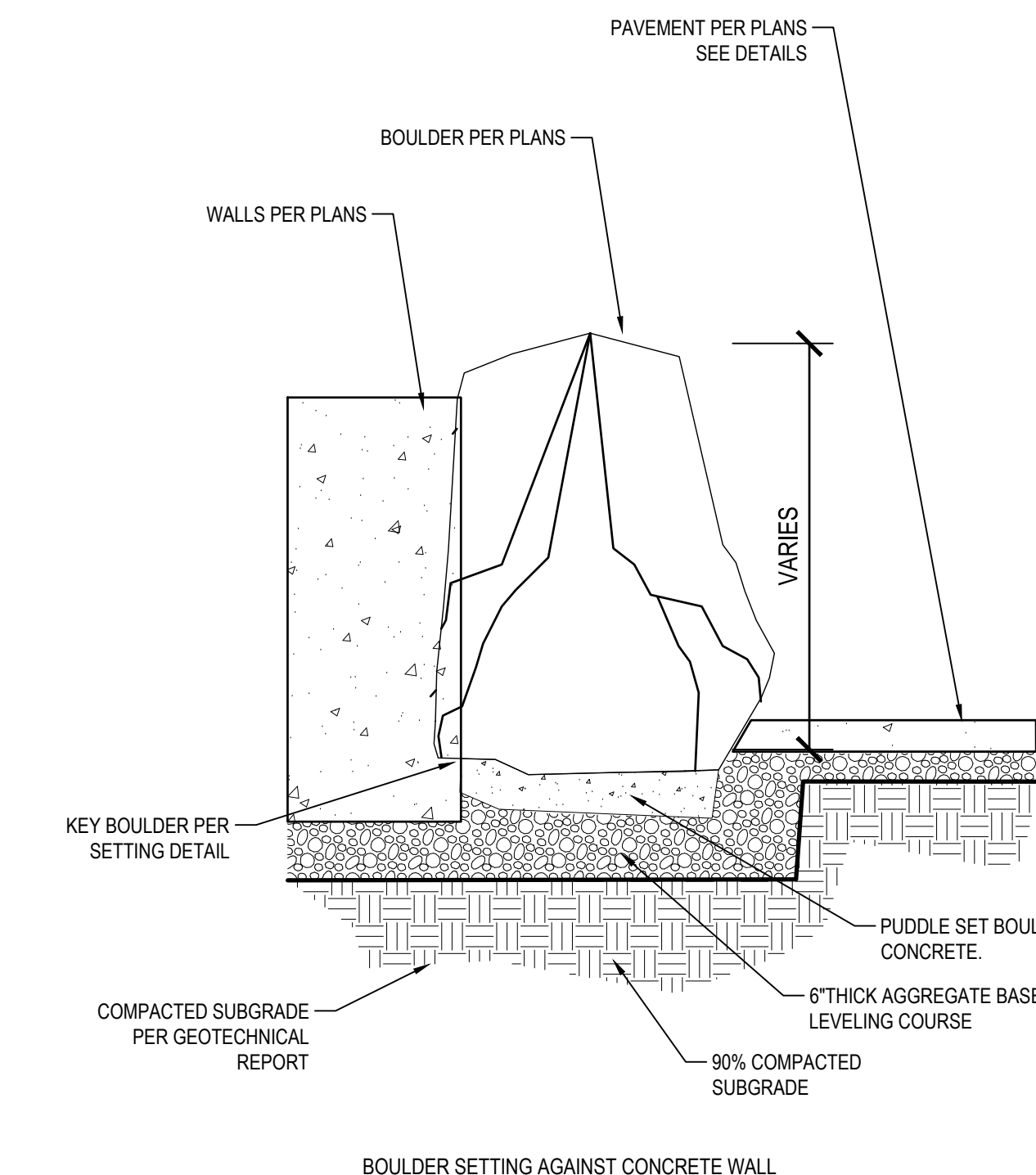
1 1/2\"/>

P-4TAG-54



2 BOULDER ROCK WALL

NOT TO SCALE



1 BOULDER PLACEMENTS

NOT TO SCALE

P-4TAG-58

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	XX	Design Check	SG	Project Director	K. VEDULA



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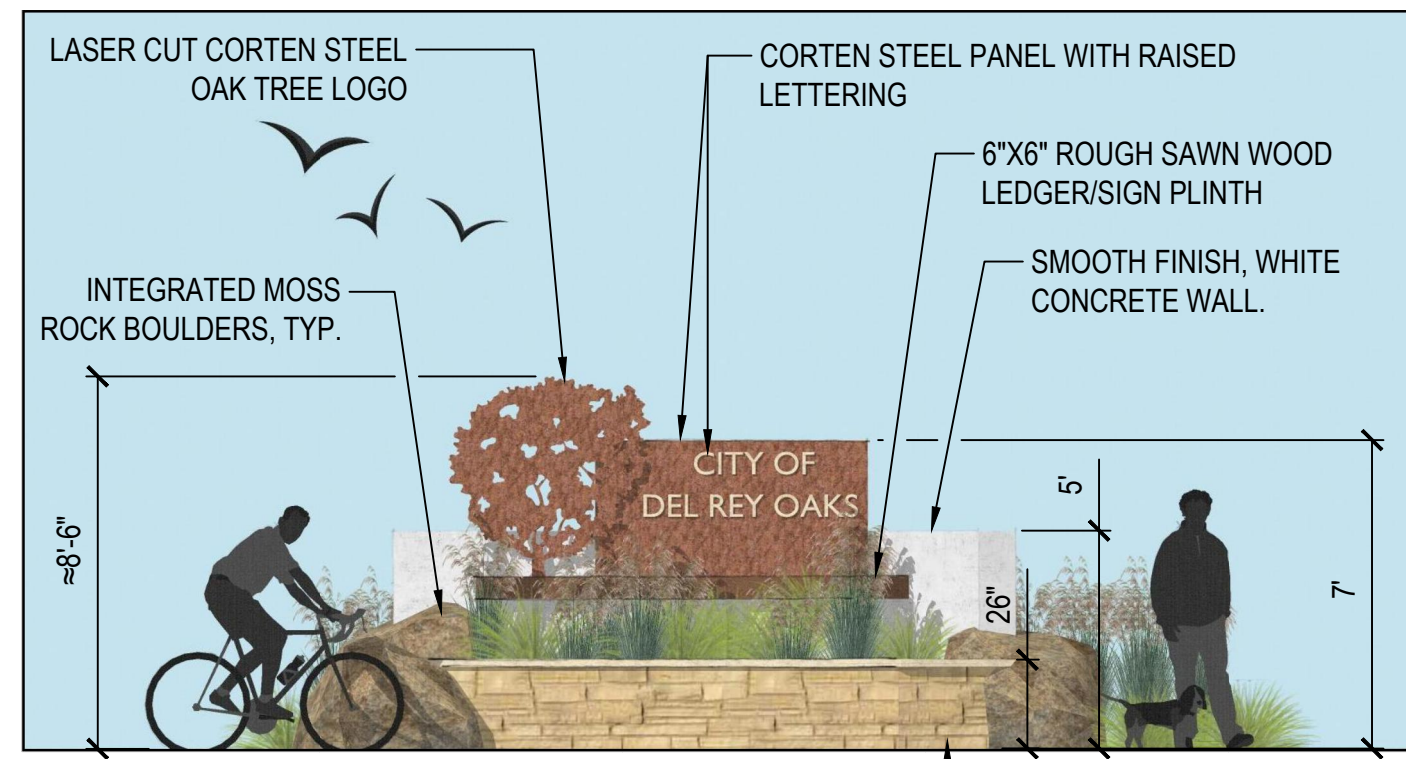
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

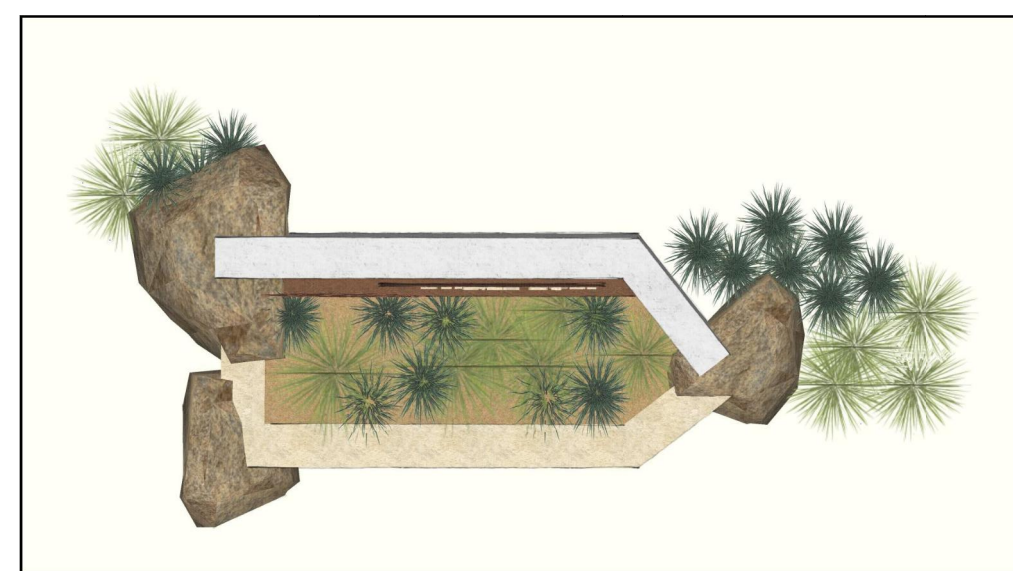
Title
AMENITY DETAILS

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Sheet No. **L-505** Sheet 191 of 195



FRONT VIEW



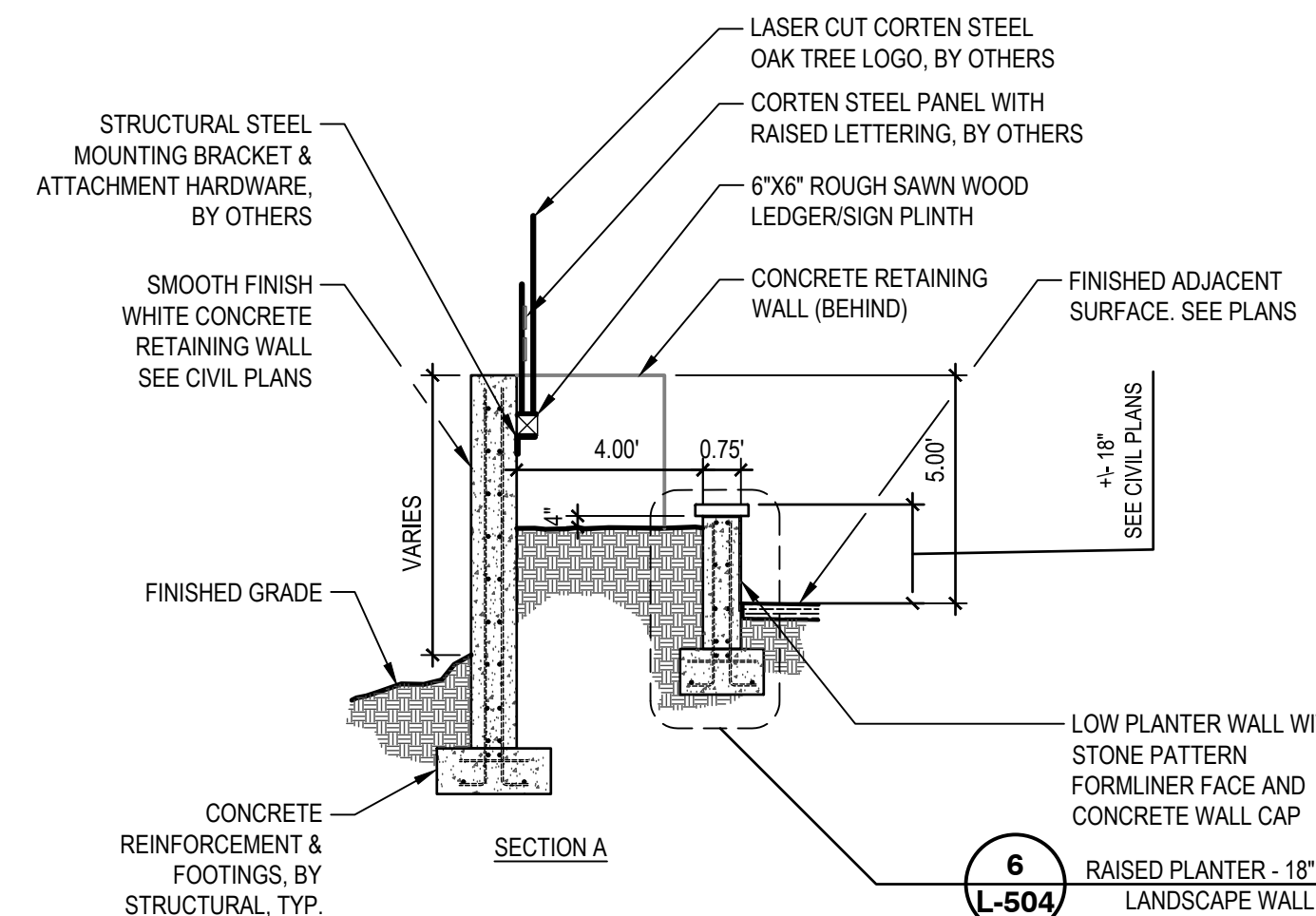
PLAN VIEW



AXONOMETRIC VIEW

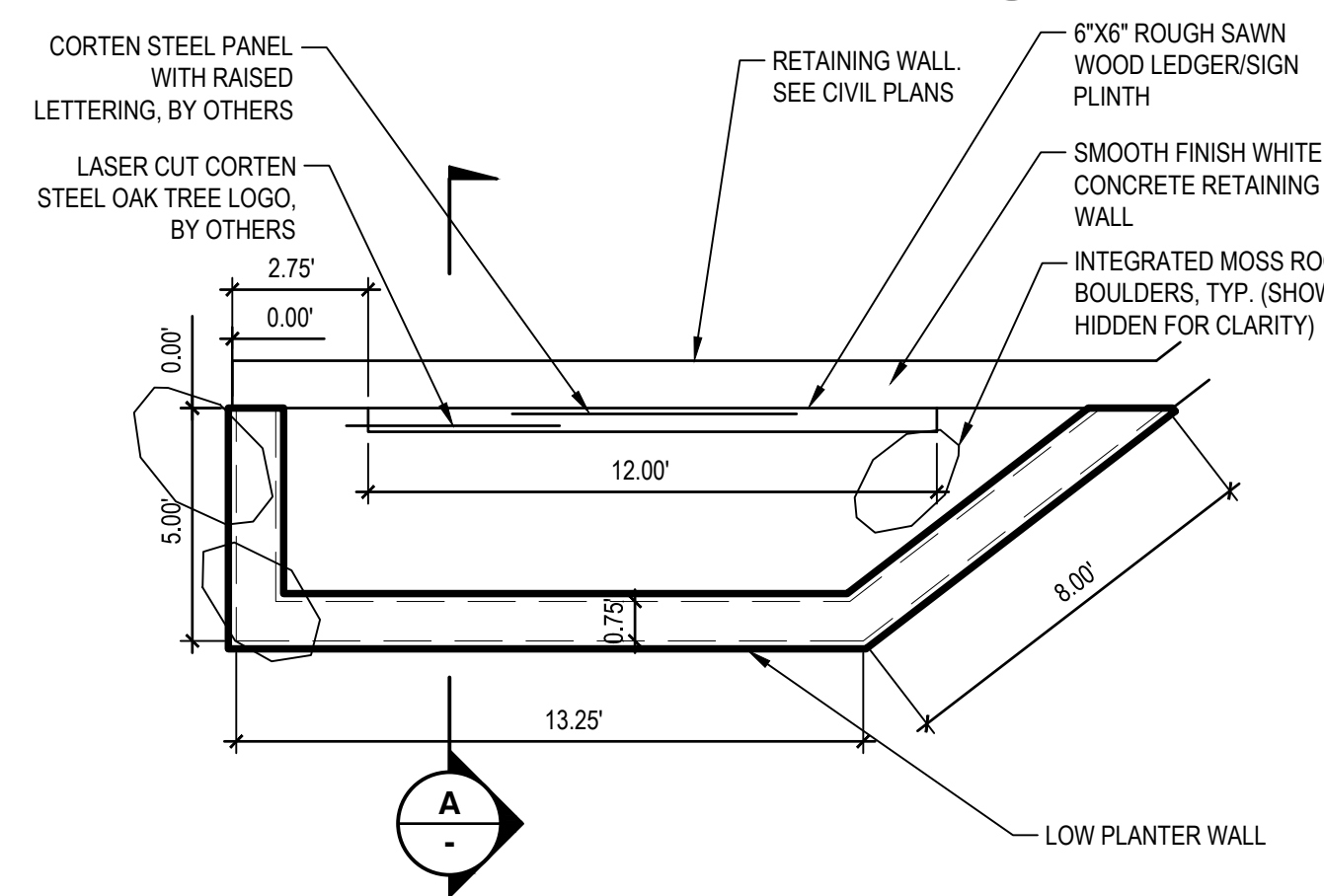
NOTES:
1) DETAILS SHOWN ARE FOR DESIGN INTENT AND FEEDBACK ONLY. FINAL DESIGN, COLORS AND MATERIAL CHOICES TO BE DETERMINED BY CLIENT PRIOR TO FINAL DESIGN AND LAYOUT BASED ON THESE ILLUSTRATIONS. CONTRACTOR TO SUPPLY SHOP DRAWINGS TO LOCAL AGENCY FOR APPROVAL PRIOR TO FABRICATION.

5 DEL RAY OAKS SIGN MONUMENT
1" = 1"



SECTION A

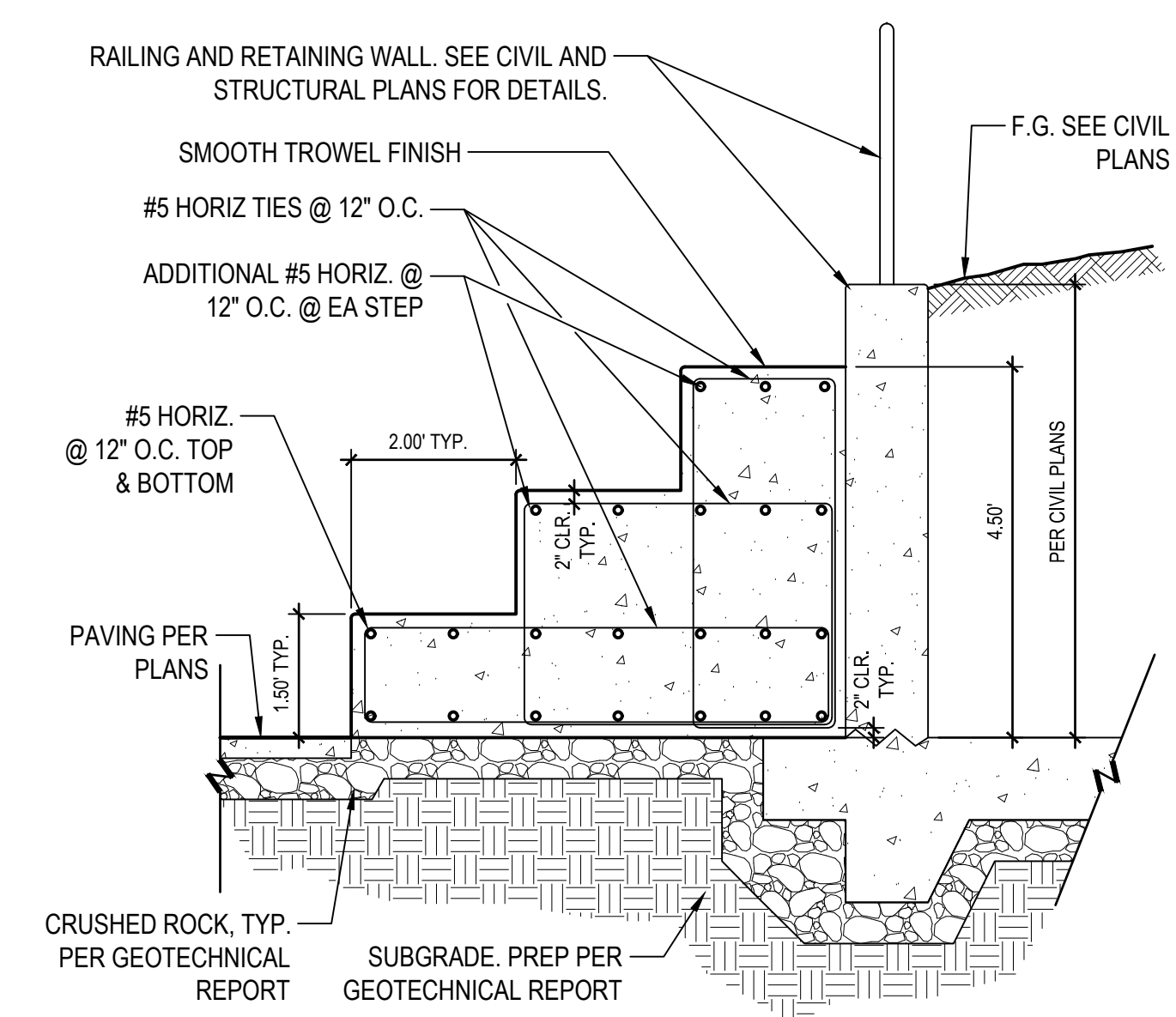
6 RAISED PLANTER - 18" LANDSCAPE WALL
L-504



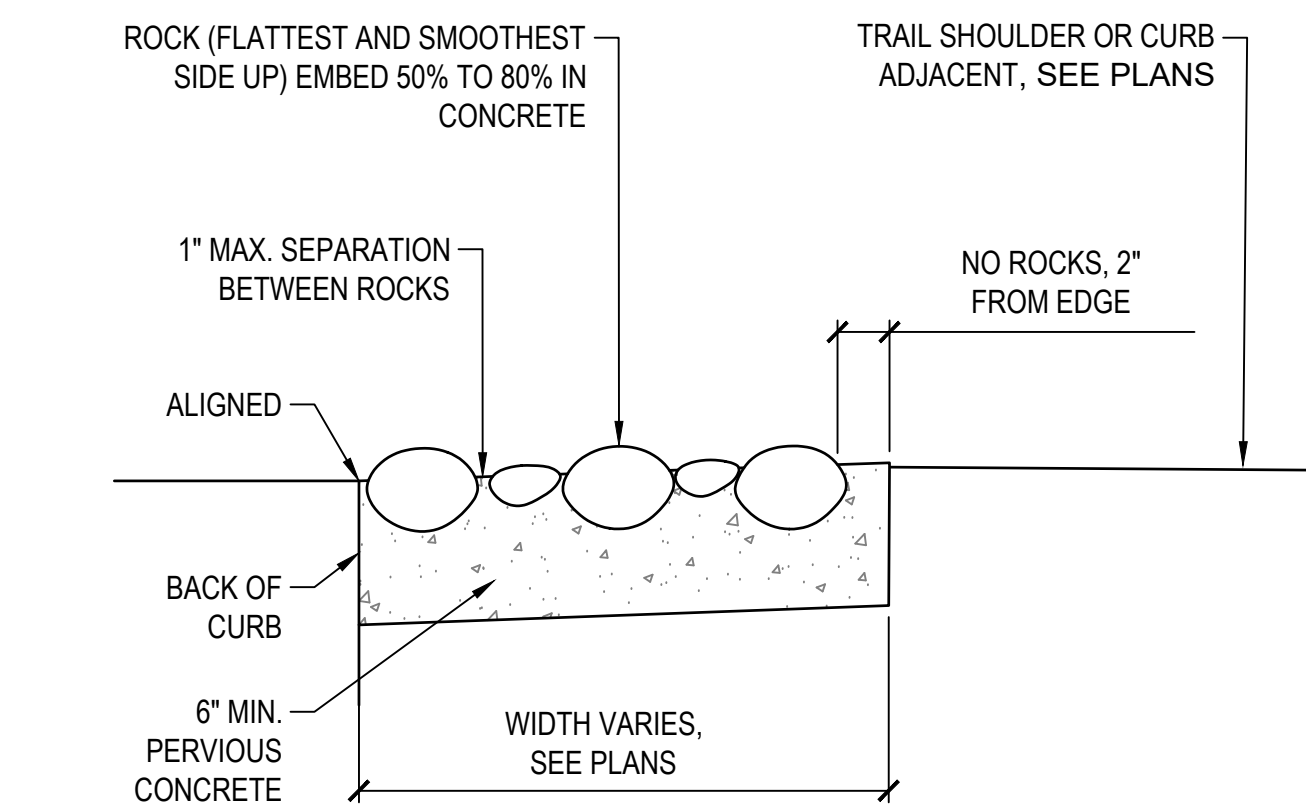
A

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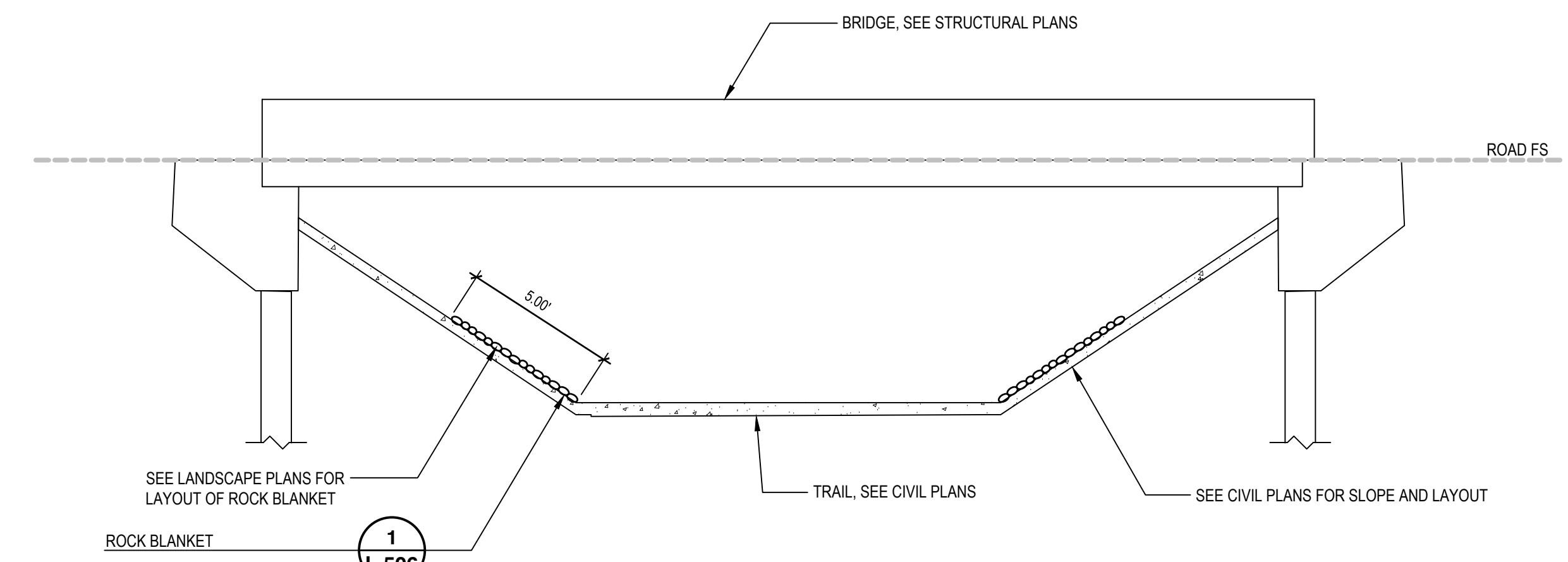
4 DEL RAY OAKS SIGNAGE - DETAILS
1/4" = 1'-0"
P-4TAG-40



3 CONCRETE SEATING STEPS
1/2" = 1'-0"



1 ROCK BLANKET
1 1/2" = 1'-0"



2 SR218 UNDER CROSSING-ROCK BLANKET ELEVATION
1/4" = 1'-0"

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Designer	XX	Design Check	SG	Project Director	K. VEDULA



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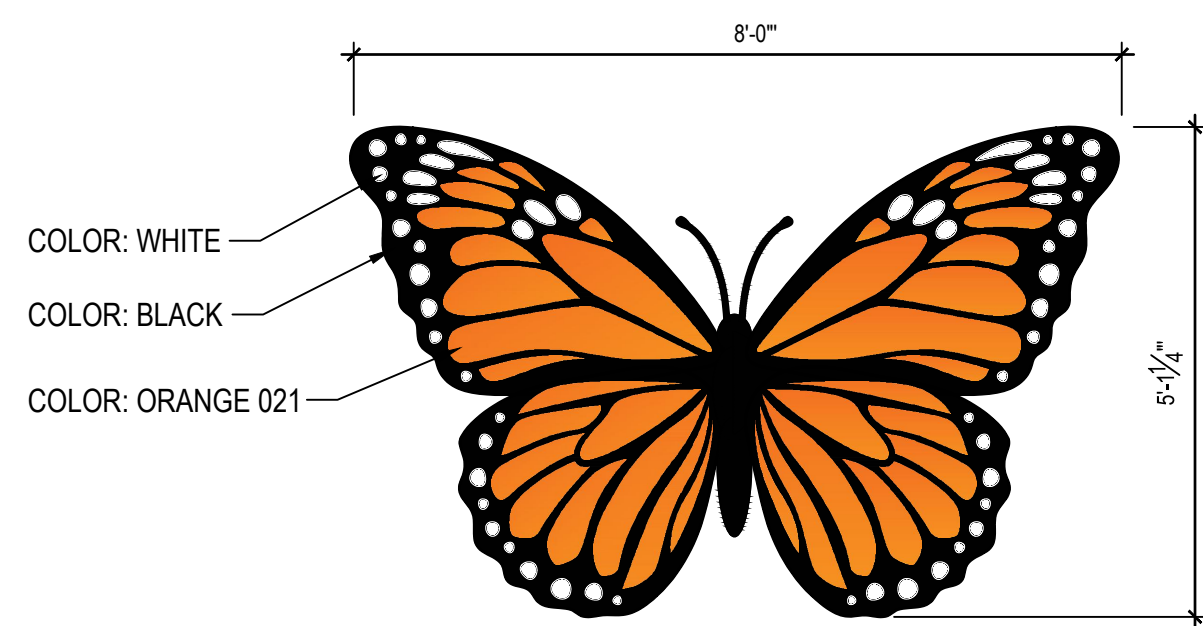
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Project
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Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

Title **AMENITY DETAILS**

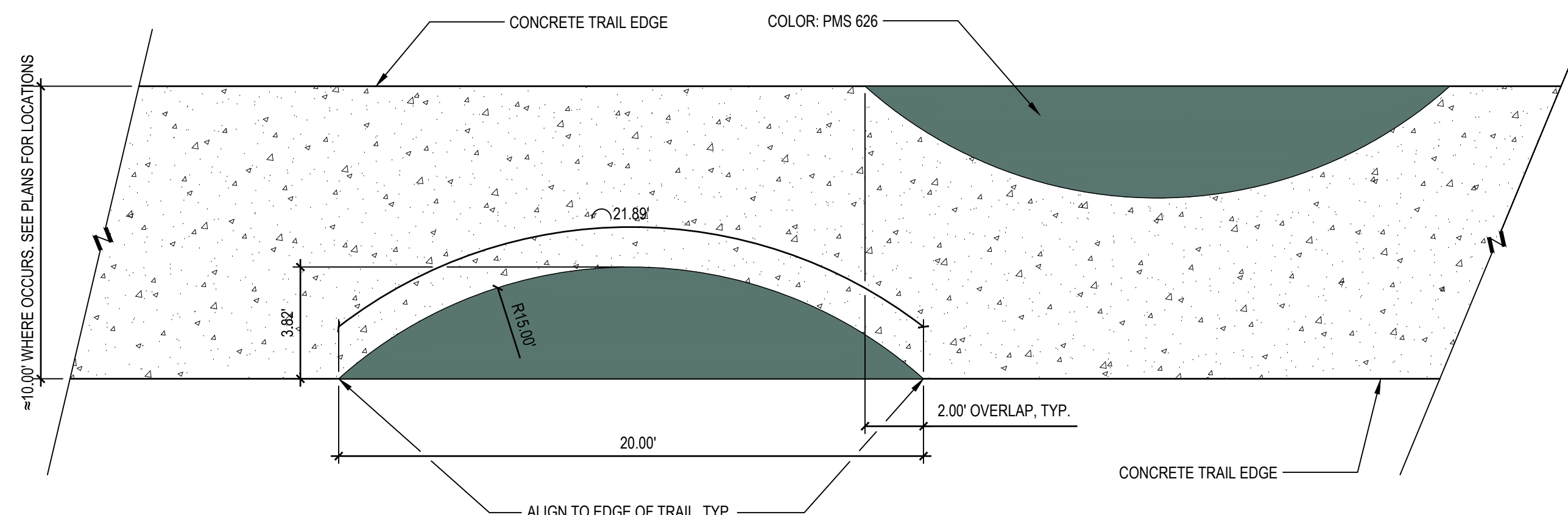
Size **ANSI D**
Status Code
Sheet No. **L-506** Sheet **192 of 195**



- NOTES:
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FINAL APPROVAL OF COLORS AND LAYOUT.
 - ORIENTATION TO BE DETERMINED IN-FIELD WITH ENGINEER OR CLIENT REPRESENTATIVE. SEE PLANS FOR LOCATIONS.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FINAL APPROVAL OF COLORS, FONTS AND LAYOUT.
 - ORIENTATION FOR EACH LOCATION TO BE DETERMINED IN-FIELD WITH ENGINEER OR CLIENT REPRESENTATIVE. SEE PLANS FOR LOCATIONS.
 - COLOR CHART BASED ON CLOSEST MATCH TO PANTONE COLORS AS AVAILABLE THROUGH ENDURABLEND (OR EQUAL).
 - ENSURE CONCRETE FLATWORK, WHERE LOGO IS TO BE PLACED, TO BE MEDIUM BROOM FINISH AND FREE OF ANY CURING COMPOUND FOR LOGO TO ADHERE TO FLATWORK PROPERLY.
 - A VECTOR FILE OF THIS LOGO CAN BE MADE AVAILABLE BY CONTACTING THE LANDSCAPE ARCHITECT.

6 MONARCH GRAPHIC (ENDURABLEND OR EQUAL)

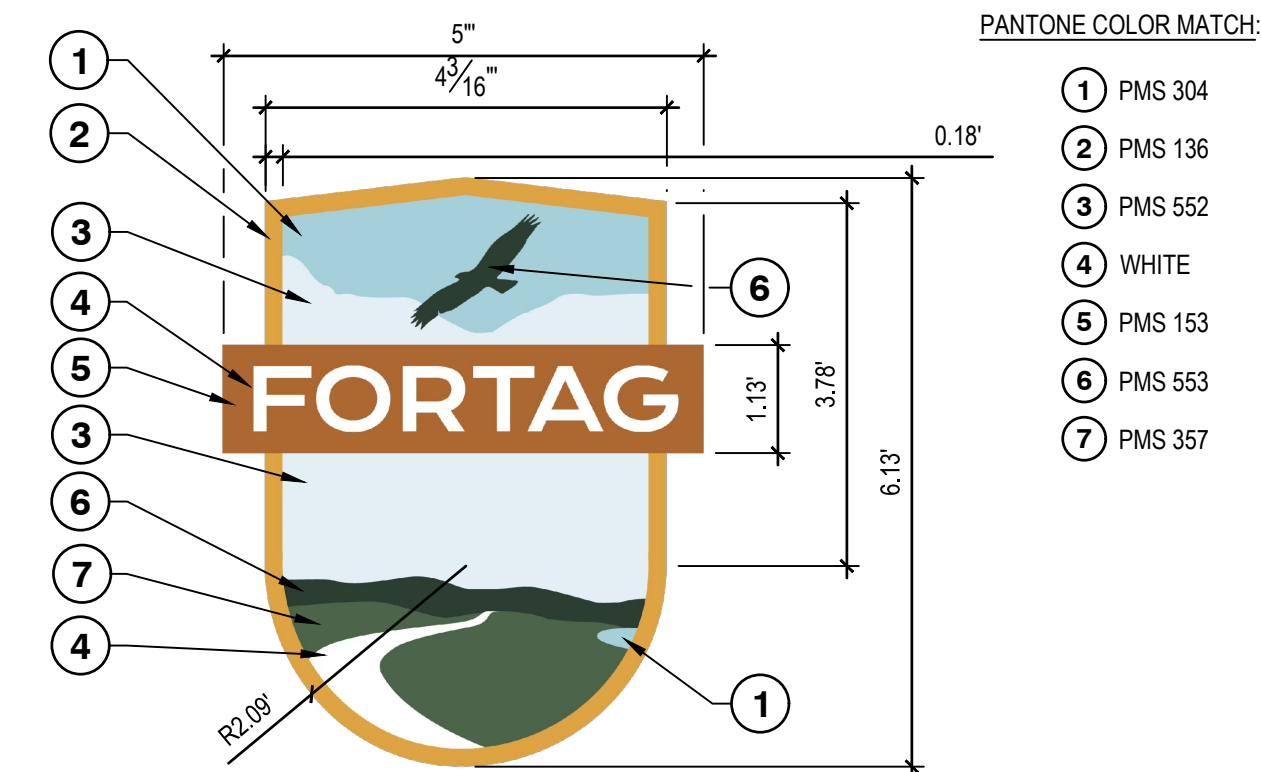
1/2" = 1'-0" P-4TAG-68



- NOTES:
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FINAL APPROVAL OF COLORS AND LAYOUT.
 - ORIENTATION FOR EACH LOCATION TO BE DETERMINED IN-FIELD WITH ENGINEER OR CLIENT REPRESENTATIVE. SEE PLANS FOR LOCATIONS.
 - COLOR CHART BASED ON CLOSEST MATCH TO PANTONE COLORS AS AVAILABLE THROUGH ENDURABLEND (OR EQUAL).
 - ENSURE CONCRETE FLATWORK, WHERE DESIGN IS TO BE PLACED, TO BE MEDIUM BROOM FINISH AND FREE OF ANY CURING COMPOUND FOR LOGO TO ADHERE TO FLATWORK PROPERLY.
 - A VECTOR FILE OF THIS LOGO CAN BE MADE AVAILABLE BY CONTACTING THE LANDSCAPE ARCHITECT.

4 DECORATIVE CONCRETE SURFACING (ENDURABLEND OR APPROVED EQUAL)

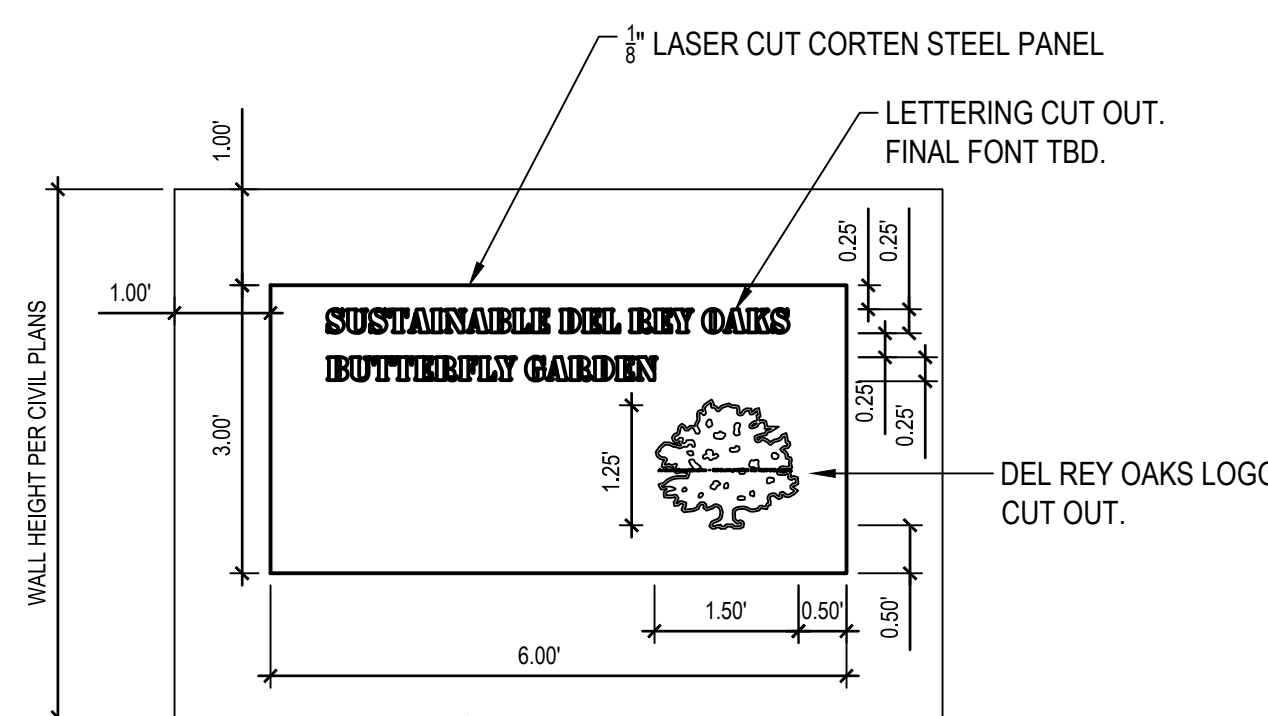
1/4" = 1'-0" P-4TAG-70



- NOTES:
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FINAL APPROVAL OF COLORS, FONTS AND LAYOUT.
 - ORIENTATION FOR EACH LOCATION TO BE DETERMINED IN-FIELD WITH ENGINEER OR CLIENT REPRESENTATIVE. SEE PLANS FOR LOCATIONS.
 - COLOR CHART BASED ON CLOSEST MATCH TO PANTONE COLORS AS AVAILABLE THROUGH ENDURABLEND (OR EQUAL).
 - ENSURE CONCRETE FLATWORK, WHERE LOGO IS TO BE PLACED, TO BE MEDIUM BROOM FINISH AND FREE OF ANY CURING COMPOUND FOR LOGO TO ADHERE TO FLATWORK PROPERLY.
 - A VECTOR FILE OF THIS LOGO CAN BE MADE AVAILABLE BY CONTACTING THE LANDSCAPE ARCHITECT.

1 FORTAG TRAIL LOGO (ENDURABLEND OR EQUAL)

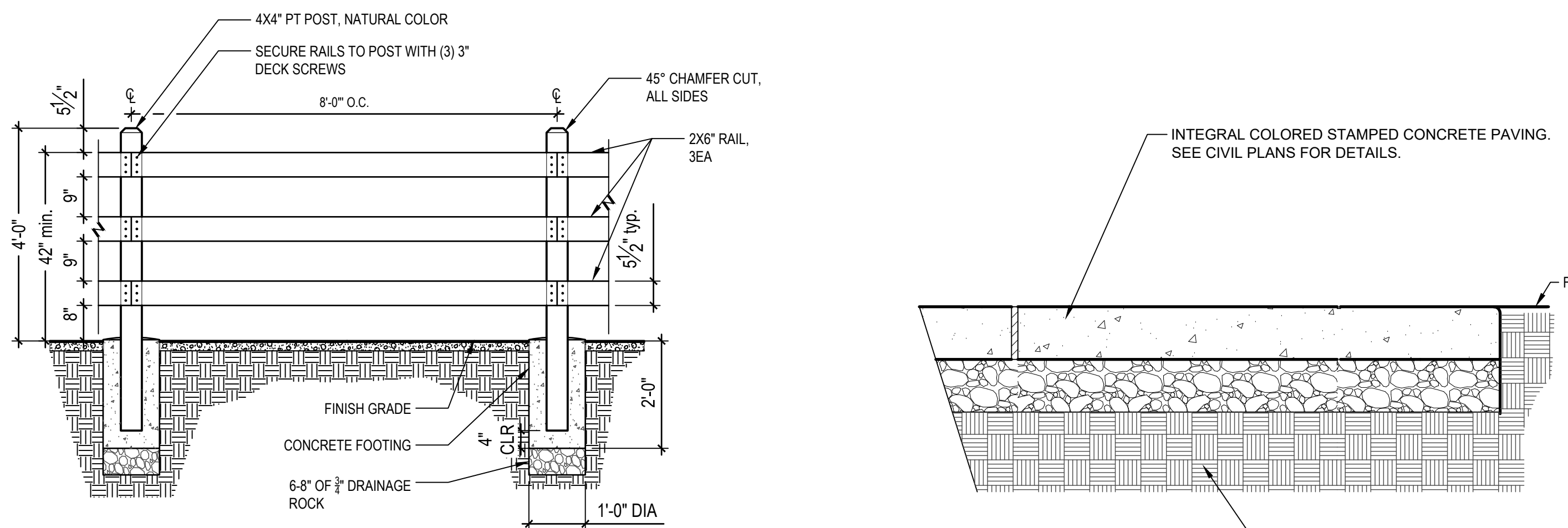
1/2" = 1'-0"



- NOTES:
- CONTRACTOR TO CONSULT SIGN FABRICATOR AND PROVIDE SHOP DRAWINGS FOR APPROVAL.
 - SIGN FABRICATOR TO DETERMINE APPROPRIATE ATTACHMENT TO RETAINING WALL.
 - FINAL FONT CHOICE AND DESIGN TO BE APPROVED BY CLIENT PRIOR TO FABRICATION.

5 BUTTERFLY GARDEN SIGN

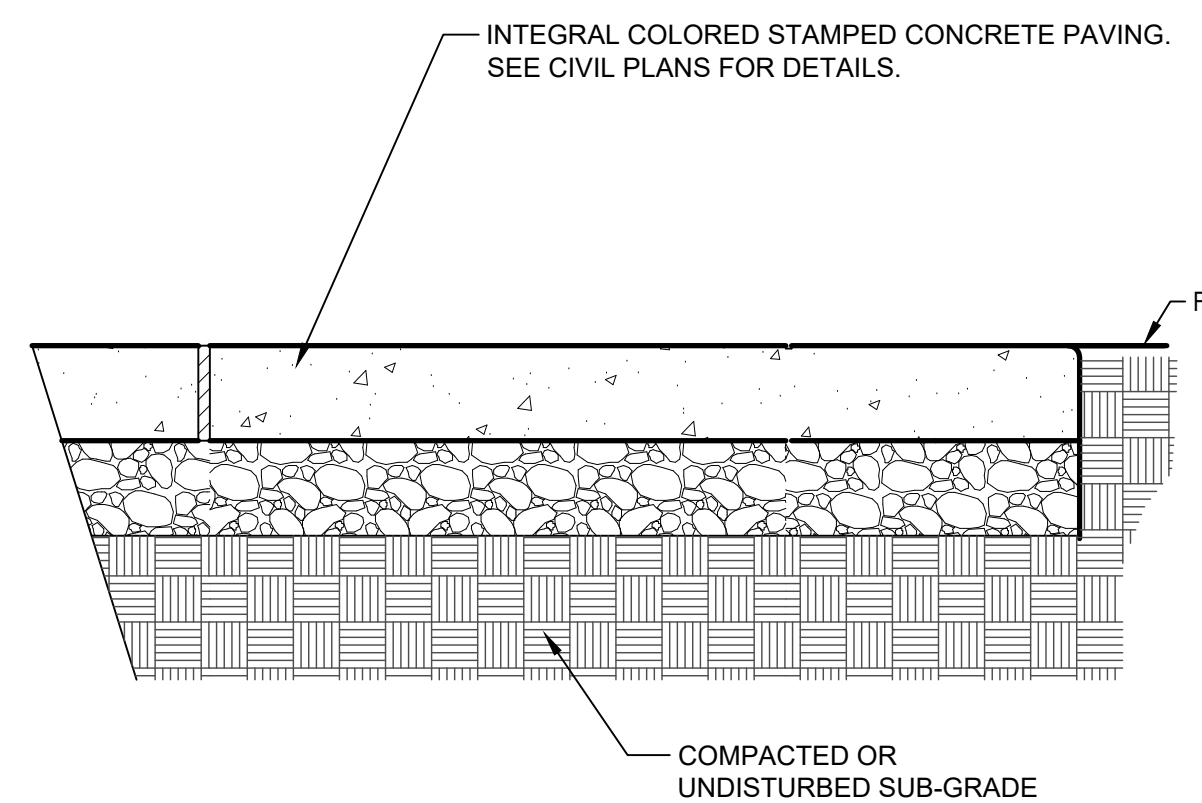
1/2" = 1'-0"



- NOTES:
- ALL FASTENERS SHALL BE GALVANIZED, OR SUITABLE FOR OUTDOOR USE.
 - WOOD POSTS SHALL BE PRESSURE TREATED 4"x4"x8', SOUTHERN YELLOW PINE, NATURAL COLOR.
 - RAILS TO BE PRESSURE TREATED 2"x6"x8' SOUTHERN YELLOW PINE, NATURAL COLOR.

3 3-RAIL WOOD FENCE

1/2" = 1'-0" P-4TAG-76



- NOTES:
- SEE PLANS FOR STAMPED CONCRETE LOCATIONS.
 - SEE CIVIL PLANS FOR CONCRETE DETAILS.

2 STAMPED CONCRETE PAVING

1 1/2" = 1'-0"

(A) STAMPED COLORED CONCRETE TEXTURE AND COLOR FINISH

COLOR: Brickform's #1085 Saddle Brown Color Hardener, accented with #300 Nutmeg Antique Release Agent (main field).

TEXTURE: Brickform's Wood Grain Patterns, FM-8010s Cedar Wood Planks (or approved equal)

FINISH: Two coats of solvent based acrylic sealer (Vexcon AC-1315 or approved equal) with non-slip additive.

CONTRACTOR TO PROVIDE 3'X3' FINISHED EXAMPLE FOR REVIEW AND APPROVAL BEFORE FINAL CONCRETE STAMP AND COLOR.

(B) STAMPED COLORED CONCRETE TEXTURE AND COLOR FINISH

COLOR: Brickform's #325 Sandstone Color Hardener, accented with #300 Nutmeg Antique Release Agent (main field).

TEXTURE: Brickform's Seamless texture skin called FM-E "SANDED SLATE" (or approved equal). SEE ALSO THE SCORE LINES AND EXPANSION JOINTS ON LAYOUT PLAN.

FINISH: Two coats of solvent based acrylic sealer (Vexcon AC-1315 or approved equal) with non-slip additive.

CONTRACTOR TO PROVIDE 3'X3' FINISHED EXAMPLE FOR REVIEW AND APPROVAL BEFORE FINAL CONCRETE STAMP AND COLOR.

- NOTES:
- SEE PLANS FOR STAMPED CONCRETE LOCATIONS.
 - SEE CIVIL PLANS FOR CONCRETE DETAILS.

No.	Issue	Checked	Approved	Date	
Author	EM	Drafting Check	SG	Project Manager	L. VAN PARYS
Designer	XX	Design Check	SG	Project Director	K. VEDULA



Bar is one inch on original size sheet
0 1"



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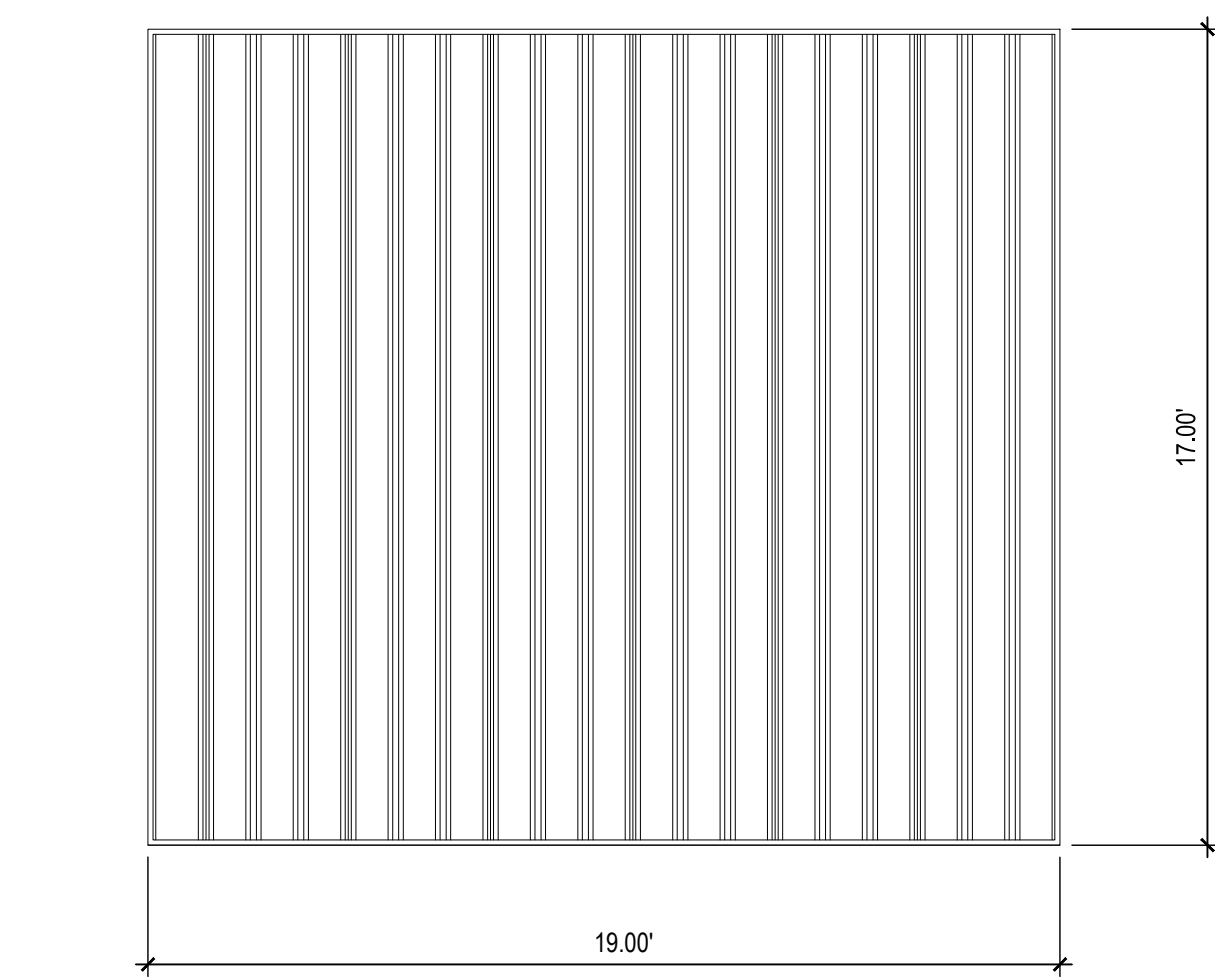
Client
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

Project
FORTAG TRAIL PROJECT

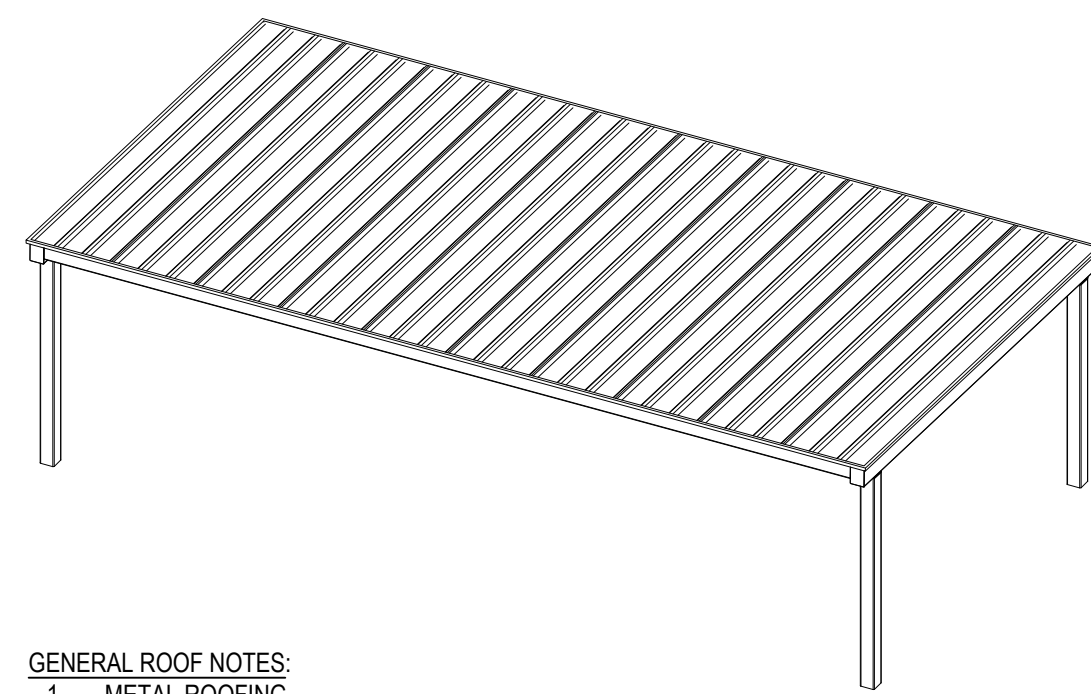
Title **AMENITY DETAILS**

Project No. **11220281** Date **December 1, 2023** Scale **AS SHOWN**

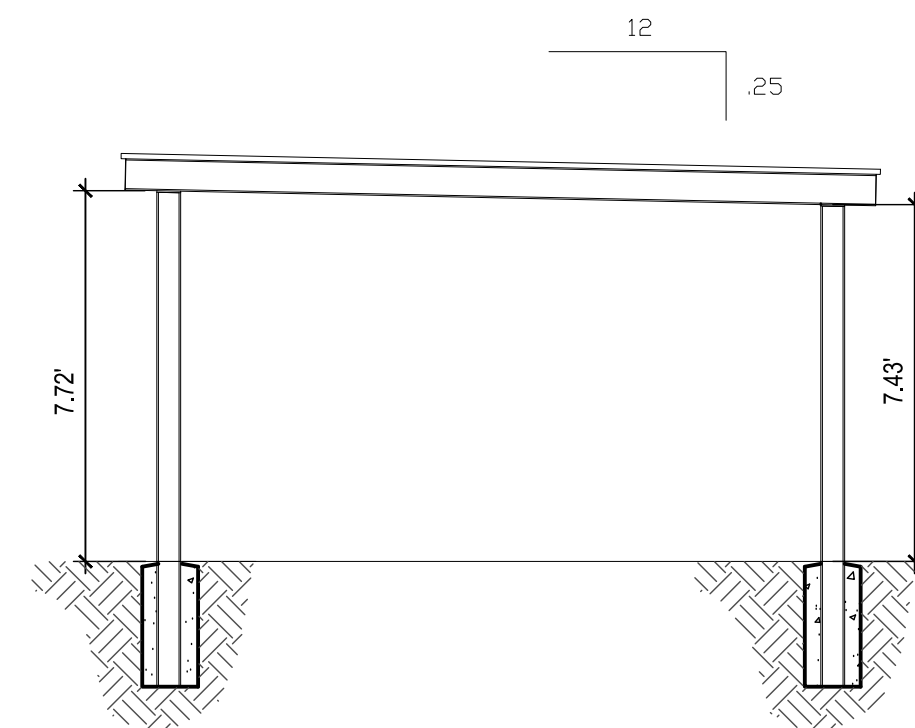
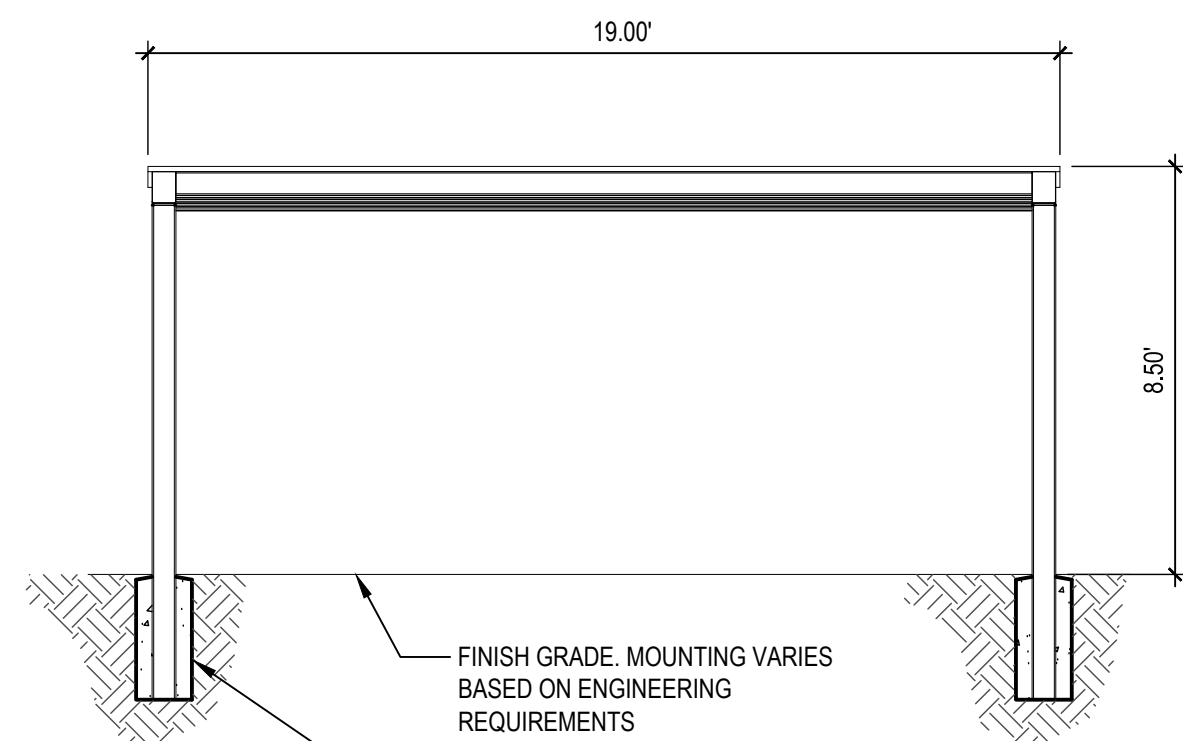
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poligon^o
PORTER CORP



- GENERAL ROOF NOTES:**
- METAL ROOFING
 - 24 GAUGE GALVALUME COATED
 - KYNAR 500 PAINTED
 - TRIM COLOR TO MATCH ROOF
 - SEE POLIGON.COM FOR COLOR OPTIONS



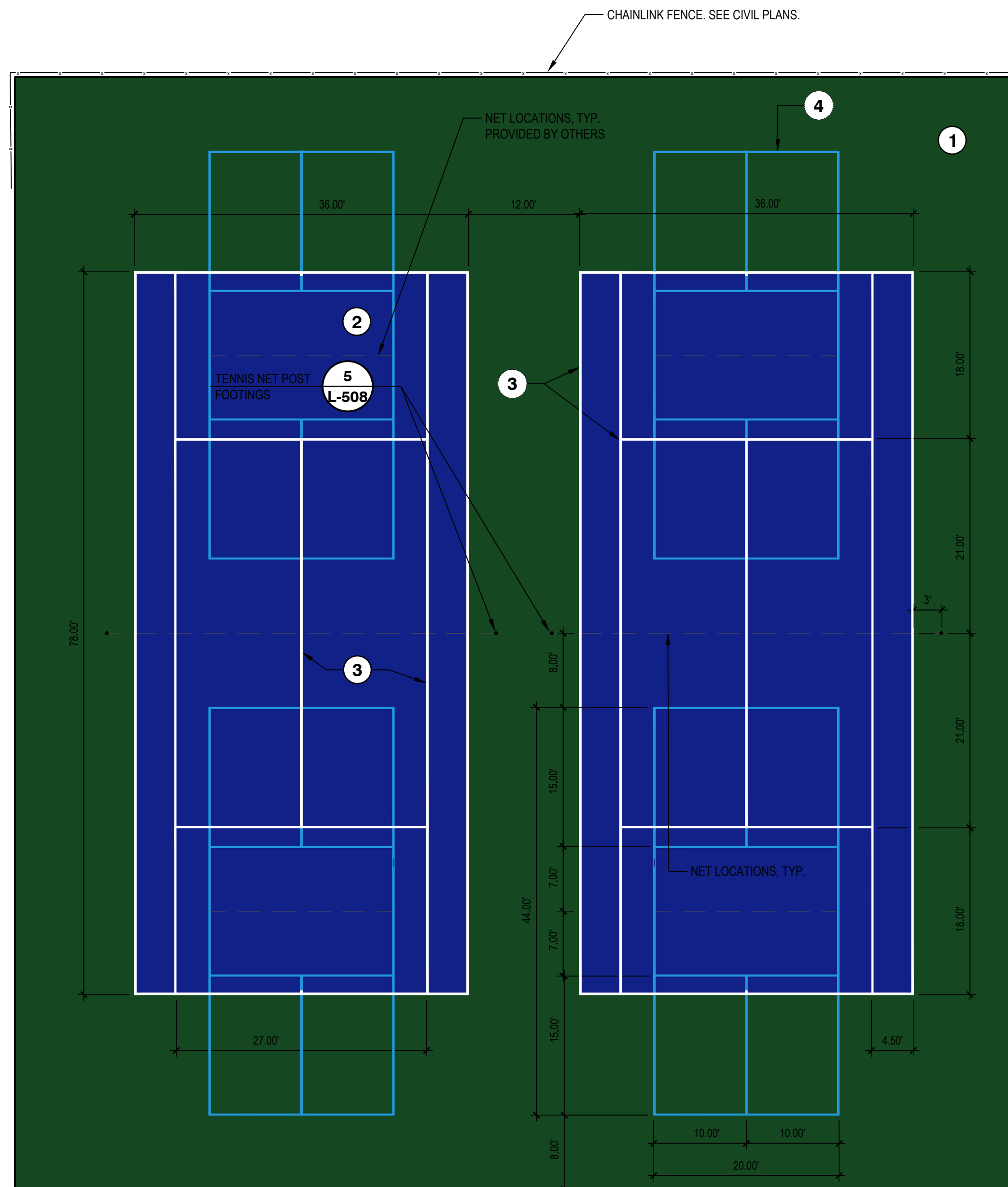
2 POLYGON SHADE STRUCTURE

1/4" = 1'-0"

P-4TAG-52

1 TENNIS COURT LAYOUT

1" = 10'



COLOR NOTES:
COLOR SELECTION IS BASED ON COLOR PALETTE AS AVAILABLE FROM SPORTMASTER "COLORPLUS SYSTEM", OR APPROVED EQUAL. FOLLOW ALL MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

- ① LIGHT GREEN (BORDER)
- ② BLUE (COURT)
- ③ WHITE-TENNIS COURT (LINES)
- ④ LIGHT BLUE-PICKLE BALL COURT (LINES)

- NOTES:**
- FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR DEMOLITION AND REMOVAL OF EXISTING TENNIS COURT SURFACING BEFORE SURFACE PREPARATION AND APPLICATION OF PROPOSED NEW SURFACING.
 - PREPARE AND INSTALL SURFACE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - SEE CIVIL PLANS FOR DEMO, ORIENTATION AND NEW SURFACE.
 - ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES.
 - BASELINES SHALL BE 2" WIDE.
 - CENTER SERVICE LINE, CENTER MARK AND ALL OTHER LINES SHALL BE 2" WIDE.
 - EXISTING NETS TO BE SAVED AND REUSED

MIXING PROCEDURES:

MIX IN THE FOLLOWING ORDER FOR 55 GALLON DRUM OF NEUTRAL CONCENTRATE:

SPORTMASTER NEUTRAL CONCENTRATE	55 GAL
SPORTMASTER COLOR PLUS	4 GAL
WATER	28-33 GAL
SILICA SAND (70 TO 90 MESH AFS)	400 LBS

MIX IN THE FOLLOWING ORDER FOR 30 GALLON KEG OF NEUTRAL CONCENTRATE:

SPORTMASTER NEUTRAL CONCENTRATE	30 GAL
SPORTMASTER COLOR PLUS	2 GAL
WATER	15-18 GAL
SILICA SAND (70 TO 90 MESH AFS)	200 LBS

THE FOLLOWING MIX DESIGN CAN BE USED FOR CREATING VARIOUS COLORS OF PAINT FOR PLAYING LINES (I.E. MAIN LINES OR BLENDED LINES & OTHER MARKINGS).

SPORTMASTER NEUTRAL CONCENTRATE,	1 GAL
STRIPE RITE, OR OTHER NEUTRAL-BASED COATING	MIN. 1 PINT (2 US CUPS)
SPORTMASTER COLORPLUS	NONE - A SMALL AMOUNT CAN BE ADDED IF NEEDED FOR APPLICATION
WATER	2 LBS IF TEXTURED LINES ARE DESIRED

NOTE:
MIX THOROUGHLY TO ENSURE COMPLETE DISPERSION OF COLORPLUS

APPLICATION:
APPLY MIXED COATING WITH A SOFT RUBBER SQUEEGEE. A MINIMUM OF TWO COATS ARE RECOMMENDED.

CHAINLINK FENCE. SEE CIVIL PLANS

P-4TAG-91

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Designer	XX	Design Check	SG	Project Director	K. VEDULA



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