

SAN MATEO COUNTY CALIFORNIA

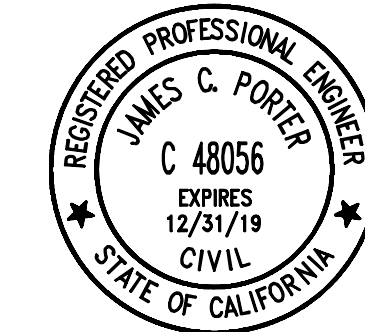
MIDCOAST MULTI-MODAL TRAIL IMPROVEMENTS PROJECT

IN SAN MATEO COUNTY

TOTAL PROJECT LENGTH APPROXIMATELY 0.86 MILES

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
DATED MAY 2006 AND ADOPTED BY SAN MATEO COUNTY, NOVEMBER 14, 2006, BY RESOLUTION NO. 068389

CALTRANS PROJECT NO. 04-4K0401/04-SM-1-31.6



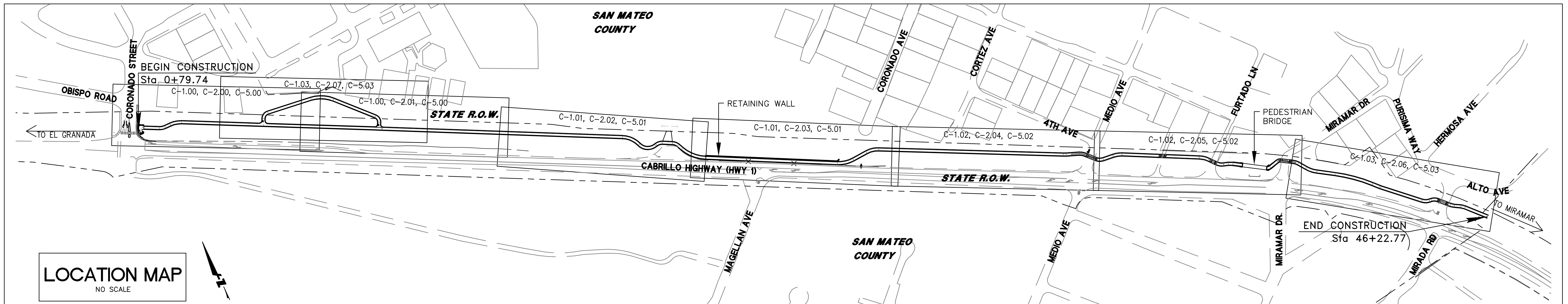
APPROVED:

DATE:

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2019

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- S2 FOUNDATION PLAN - BRIDGE
- S3 ABUTMENT DETAILS
- S4 GENERAL PLAN - RETAINING WALL
- S5 RETAINING WALL DETAILS

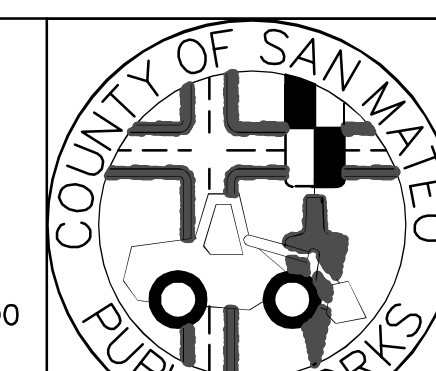


60% SUBMITTAL - FOR REVIEW ONLY

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

BKF
ENGINEERS / SURVEYORS / PLANNERS

255 SHORELINE DRIVE, SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300



DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	TITLE SHEET	DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		C-000 SHEET 1 OF 36



C-000
SHEET 1 OF 36

DRAWING NAME: 01-31-18
PLOT TIME: 01-31-18

PROJECT DESCRIPTION:

THE PROPOSED MIDCOAST MULTI-MODAL TRAIL IMPROVEMENTS PROJECT SHALL IMPLEMENT AN ASPHALT CONCRETE TRAIL PARALLEL TO HIGHWAY 1 TO PROVIDE AN ACCESSIBLE ROUTE FOR THE NEIGHBORHOODS IN THE NORTH SIDE OF HIGHWAY 1. THE PROJECT WILL INCLUDE IMPROVEMENTS TO APPROXIMATELY 4,537 LF (0.86 MILES) OF TRAIL.

PHYSICAL DESCRIPTION OF SITE:
TRAIL ALONG HIGHWAY 1.

LOCATION:
SAN MATEO COUNTY ALONG HIGHWAY 1 BETWEEN CORONADO STREET AND MIRADA ROAD.

UTILITIES:
STORM DRAIN: COUNTY OF SAN MATEO, CALTRANS
WATER: COASTSIDE COUNTY WATER DISTRICT
SANITARY SEWER: SEWER AUTHORITY MID-COASTSIDE
GRANADA SANITARY DISTRICT
GAS/ELECTRIC: PACIFIC GAS & ELECTRIC

REFERENCES:
GEOTECHNICAL FOUNDATION REPORT PREPARED BY PARIKH CONSULTANTS, INC. TITLED "FOUNDATION REPORT - MID-COAST MULTI-MODAL TRAIL PHASE 2 PEDESTRIAN OVERCROSSING AND RETAINING WALL" AND DATED JANUARY 25, 2018.

ESTIMATED EARTHWORK:

FILL = 800 CY± (NET)

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FINAL QUANTITIES.

REQUIRED PERMITS:

- COUNTY OF SAN MATEO ENCROACHMENT PERMIT
- CALTRANS ENCROACHMENT PERMIT
- ENVIRONMENTAL PERMIT
- COUNTY TREE REMOVAL PERMIT

EXISTING TOPOGRAPHY

THE EXISTING TOPOGRAPHY IS BASED ON AN AERIAL LIDAR PERFORMED BY UNITED STATES GEOLOGICAL SURVEY DATED JULY 14, 2010, AND TOPOGRAPHIC SURVEY PERFORMED BY BKF ENGINEERS ON MARCH 22, 2017 AND MAY 17, 2017.

PROJECT NOTES:

- CIVIL ENGINEER: BKF ENGINEERS, 255 SHORELINE DRIVE, SUITE 200, REDWOOD CITY, CA 94065, TEL 650.482.6300
- ENVIRONMENTAL CONSULTANT: PLACEWORKS, 1625 SHATTUCK AVE #300, BERKELEY, CA 94709, TEL 510.848.3815
- STRUCTURAL ENGINEER: CORNERSTONE STRUCTURAL ENGINEERING GROUP, 40 FEDERAL STREET, SAN FRANCISCO, CA 94107, TEL 415.369.9100
- TRANSPORTATION ENGINEER: FEHR & PEERS, 332 PINE STREET, 4TH FLOOR, SAN FRANCISCO, CA 94104, 415.348.0300
- GEOTECHNICAL ENGINEER: PARIKH CONSULTANTS, INC., 2360 QUME DRIVE, SUITE A, SAN JOSE, CA 95131, 408.452.9000
- COUNTY: COUNTY OF SAN MATEO, 555 COUNTY CENTER, 5TH FLOOR, REDWOOD CITY, CA 94063, TEL 650.363.4100
- THE FOLLOWING NOTES ARE ESTABLISHED MERELY TO GUIDE THE CONTRACTOR AS TO THE GENERAL ITEMS OF WORK INVOLVED AND ARE NOT INTENDED TO COVER COMPLETE SCOPE OF WORK. CONTRACTOR SHALL COMPLETE ALL WORK AS PER CONTRACT DOCUMENTS.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PERSONS AND PROPERTY; THAT IS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
- ALL MATERIALS, WORK APPURTENANCES SHALL CONFORM WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND THE LATEST ADOPTED VERSION OF SAN MATEO COUNTY STANDARD DETAILS.
- THE CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE RULES AND REGULATIONS ESTABLISHED BY CAL-OSHA AND OTHER AGENCIES HAVING JURISDICTION OVER THE WORK.
- THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE COUNTY. ANY PERMANENT MONUMENTS OR POINTS DESTROYED SHALL BE REPLACED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING ROADWAYS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC. AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
- THE LOCATIONS AND TYPES OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON INFORMATION FURNISHED BY SERVICING AGENCIES AND FIELD SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE POSITION OF AND PROVIDE PROTECTION FOR SUCH UTILITIES AND STRUCTURES, WHETHER SHOWN ON THE PLAN OR NOT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF ANY FIELD CONFLICTS.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES DONE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- ANY DEVIATIONS OR CHANGES IN THESE PLANS WITHOUT WRITTEN APPROVAL OF THE ENGINEER SHALL BE AT THE CONTRACTOR'S OWN RISK.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS SHOWN.
- CONTRACTOR IS ADVISED THAT EXISTING UTILITY LINES IN SOME LOCATIONS MAY BE VERY CLOSE TO TRAIL CONSTRUCTION WORK. CONTRACTOR IS TO SUPPORT THESE UTILITIES DURING CONSTRUCTION, AND ANY REQUIRED OR SPECIAL CONSTRUCTION TECHNIQUES PERFORMED SHALL BE AT NO EXTRA COST TO THE COUNTY. COMPENSATION FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES PAID FOR THE VARIOUS CONTRACT ITEMS OF WORK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THEREFORE.

PROJECT NOTES (CONTINUED):

- ALL GRADING AND EARTHWORK SHALL BE CARRIED OUT IN CONFORMANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT BY PARIKH CONSULTANTS, INC TITLED _____ DATED _____
- ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITY CROSSINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF ANY CONSTRUCTION AFFECTING SAID LINES. CONTACT USA AT (800) 642-2444 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION.
- CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES WITHIN THE PROJECT LIMITS, CONSISTING OF ROAD RIGHT-OF-WAY, UTILITY EASEMENTS, AND/OR PROJECT CONFORMS, AS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, IMPROVEMENTS OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK. SEPARATE PAYMENT FOR RESTORATION OF EXISTING IMPROVEMENTS TO THEIR ORIGINAL CONDITION WILL NOT BE MADE. COMPENSATION FOR THIS TASK SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS CONTRACT ITEMS OF WORK INVOLVED.
- ALL PERMANENT MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE COUNTY ENGINEER.
- THE CONTRACTOR SHALL GIVE THE COUNTY ENGINEER TWO WORKING DAYS ADVANCE NOTICE FOR INSPECTION.
- VEGETATION AND IMPROVEMENTS SHALL BE REMOVED ONLY WHEN DIRECTED IN WRITING BY THE ENGINEER. NO TREES, VEGETATION, OR IMPROVEMENTS (INCLUDING FENCES) SHALL BE REMOVED WITHOUT PRIOR WRITTEN CONSENT AND APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL EXERCISE CARE WHEN EXCAVATING NEAR TREES AND ROOTS OF TREES TO REMAIN. HAND EXCAVATION MAY BE REQUIRED FOR TREES IN CLOSE PROXIMITY TO THE TRAIL.
- CONTINUOUS DUST CONTROL SHALL BE PROVIDED AS REQUIRED BY SECTION 10 "DUST CONTROL," OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL FURNISH ALL AFFECTED PROPERTY OWNERS AND/OR RESIDENTS WRITTEN NOTIFICATIONS IN ACCORDANCE WITH SECTION 11, "MOBILIZATION," OF THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL FURNISH AND IMPLEMENT A WATER POLLUTION CONTROL PROGRAM FOR ALL PHASES OF WORK IN ACCORDANCE WITH SECTION 11-1, "WATER POLLUTION CONTROL," OF THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL FURNISH AND IMPLEMENT A TRAFFIC CONTROL PLAN FOR ALL PHASES OF WORK IN ACCORDANCE WITH SECTION 12, "MAINTAINING TRAFFIC," OF THE SPECIAL PROVISIONS.
- NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT, USE STEEL PLATING OR HOT-MIX ASPHALT AS REQUIRED TO PROTECT OPEN TRENCHES OVERNIGHT.
- STAGING AREAS FOR EQUIPMENT AND MATERIALS STORAGE SHALL BE LOCATED IN PUBLIC ROAD RIGHT-OF-WAY WITH SAID LOCATION SUBJECT TO THE APPROVAL OF THE ENGINEER AND/OR CALTRANS.
- ALL REVISIONS TO THIS PLAN MUST BE REVIEWED AND APPROVED BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY COUNTY ENGINEER PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
- CONTRACTOR SHALL PROTECT AND CLEANOUT ALL EXISTING CULVERT CROSSINGS WITH LIMITS OF AC TRAIL CONSTRUCTION.

GENERAL CONSTRUCTION NOTES:

IN ACCORDANCE WITH THE NPDES PERMIT COMPLIANCE CHECKLIST FOR THE COUNTY OF SAN MATEO, THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING:

- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
- CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING SOLID WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASHWATER OR SEDIMENTS AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
- USE SEDIMENT CONTROL OR FILTRATION TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- AVOID CLEANING, FUELING OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA IN WHICH RUNOFF IS CONTAINED AND TREATED.
- DELINEATE CLEARING LIMITS, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES, AND DRAINAGE COURSES WITH FIELD MARKERS.
- PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
- PERFORM CLEARING AND EARTH MOVING ACTIVITIES ONLY DURING DRY WEATHER.
- LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
- LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
- AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.

BASIS OF BEARINGS:

ALL BEARINGS AND DISTANCES DERIVED FROM POINTS SHOWN HEREON ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD83), CALIFORNIA COORDINATE SYSTEM OF 1983, EPOCH 2011. DISTANCES SHOWN HEREON ARE GROUND LEVEL DISTANCES. MULTIPLY DISTANCES BY 0.99999714 TO OBTAIN GRID VALUES.

VERTICAL DATUM:

ALL ELEVATIONS SHOWN HEREON ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). (GPS FAST STATIC DERIVED)

ABBREVIATIONS:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CP	CENTERLINE	LP	LOW POINT
Ø	DIAMETER	MAX	MAXIMUM
#	NUMBER	MGS	MIDWEST GUARDRAIL SYSTEM
6" T	6" DIAMETER TREE	MIN	MINIMUM
AC	ASPHALTIC CONCRETE	MH	MANHOLE
ALT	ALTERNATE	MON	MONUMENT
APPROX	APPROXIMATE	(N)	NEW
BC	BEGINNING OF CURVE	NO.	NUMBER
BLDG	BUILDING	NT	NO TAG
BW	BACK OF WALK	NTS	NOT TO SCALE
CB	CATCH BASIN	OH, O/H	OVERHEAD
CMP	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE
CONC	CONCRETE	PL, P/L	PROPERTY LINE
CP	CONCRETE PAD	PR, PROP	PROPOSED
CY	CUBIC YARD	RCP	REINFORCED CONCRETE PIPE
DBL	DOUBLE	RIM	RIM ELEVATION
DI	DISTANCE	RT	RIGHT
DW, D/W, DWY	DRIVEWAY	R/W, R.O.W.	RIGHT OF WAY
E, ELEC	ELECTRIC	RW	RETAINING WALL
(E), EX, EXIST	EXISTING	SD	STORM DRAIN
EASE	EASEMENT	SDMH	STORM DRAIN MANHOLE
EC	END OF CURVE	SL	STREETLIGHT
EG	EXISTING GROUND	SS	SANITARY SEWER
EL, ELEV	ELEVATION	SSCO	SANITARY SEWER CLEANOUT
EP	EDGE OF PAVEMENT	SSD	SEE STRUCTURE DRAWINGS
ETW	EDGE OF TRAVELWAY	SLP	SEE LANDSCAPE PLANS
FC	FACE OF CURB	SSMH	SANITARY SEWER MANHOLE
FG	FINISH GRADE	STA	STATION
FH	FIRE HYDRANT	STD	STANDARD
FL	FLOW LINE	SQFT	SQUARE FEET
FT	FEET, FOOT	TC	TOP OF CURB
HC/HCR	ACCESSIBILITY RAMP	T, TEL	TELEPHONE
HWY	HIGHWAY	TRANS	TRANSFORMER
INV	INVERT	TS	TRAFFIC SIGNAL
JT	JOINT TRENCH	TW	TOP OF WALL
LF	LINEAR FOOT	TYP	TYPICAL
LG	LIP OF GUTTER	V.I.F.	VERIFY IN FIELD
LT	LEFT	W	WATER
LÖL	LAYOUT LINE		

LEGEND:

	PROPOSED	EXISTING
BOUNDARY	---	---
STORM DRAIN LINE	---12" SD---	---SD---
SANITARY SEWER LINE	---6" SS---	---SS---
WATER LINE	---8"W---	---W---
MANHOLE	●	○
FIRE HYDRANT	⦿	⦿
BLOW OFF	⦿	⦿
VALVE	⦿	⦿
CURB INLET	■	□
SPOT ELEVATION	x101	x101
TRANSFORMER	⊞	⊞
ELECTRICAL	—E—	—E—
JOINT TRENCH	—JT—	—JT—
OVERHEAD TELEPHONE	—OH—	—OH—
GAS	—G—	—G—
SWALE	— . . —	— . . —
ELECTROLIER	⊙	⊙
TRAFFIC SIGNAL	⊙	⊙
TRAFFIC SIGN	—	—
FENCE OR RAILING	-x-x-x-x-x-x-x-x-	-x-x-x-x-x-x-x-x-
TREE	●	●
TREE DEMO	✕	✕
DETECTABLE WARNING SURFACE	■	■
MGS WITH FLARED TERMINAL	—+—	—+—
SYSTEM END TREATMENT	—+—	—+—

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APPROVED DATE: _____

JASON MANSFIELD, PROJECT MANAGER

BKF ENGINEERS

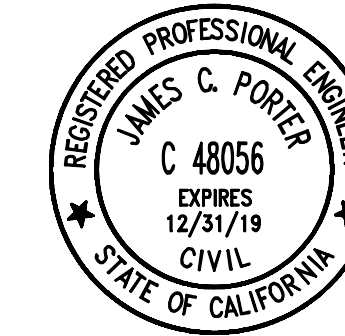
R.C.E. # 59567 / EXPIRES 12-31-2019

BKF
ENGINEERS / SURVEYORS / PLANNERS

255 SHORELINE DRIVE, SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300

COUNTY OF SAN MATEO
PUBLIC WORKS

DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	NOTES, ABBREVIATIONS, & LEGEND	DATE: 1/31/2018
DRAWN BY: FC	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	FILE NO.: 1/XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-001 SHEET 2 OF 36



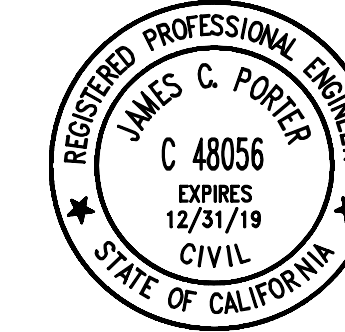
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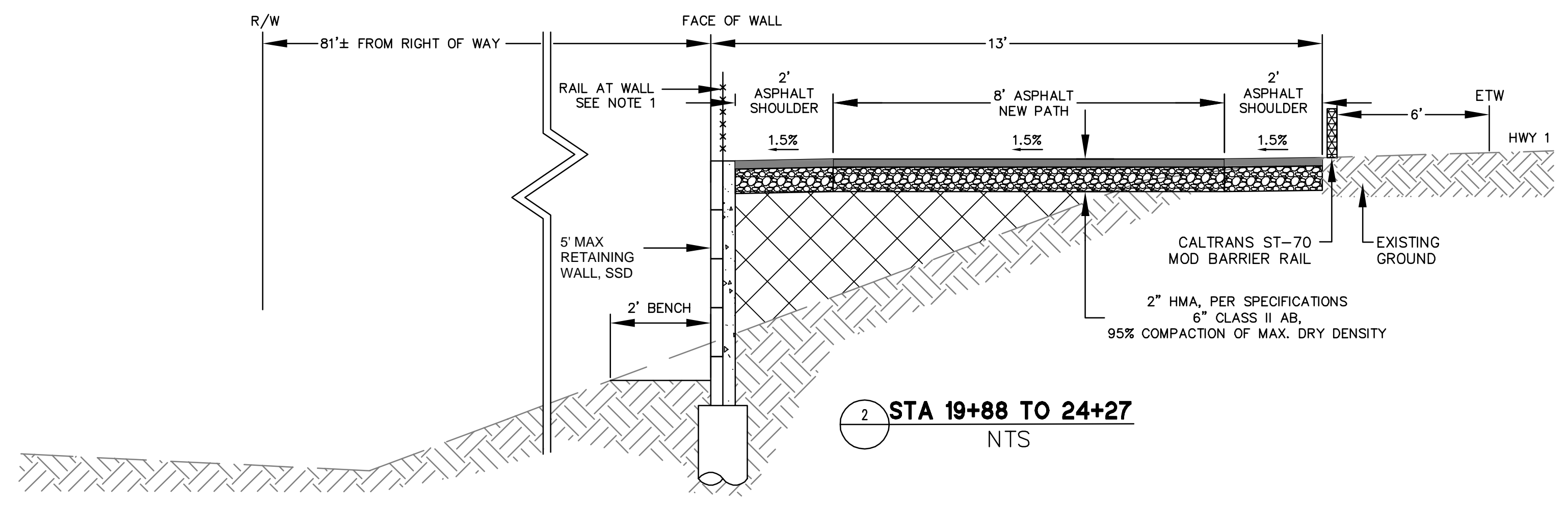
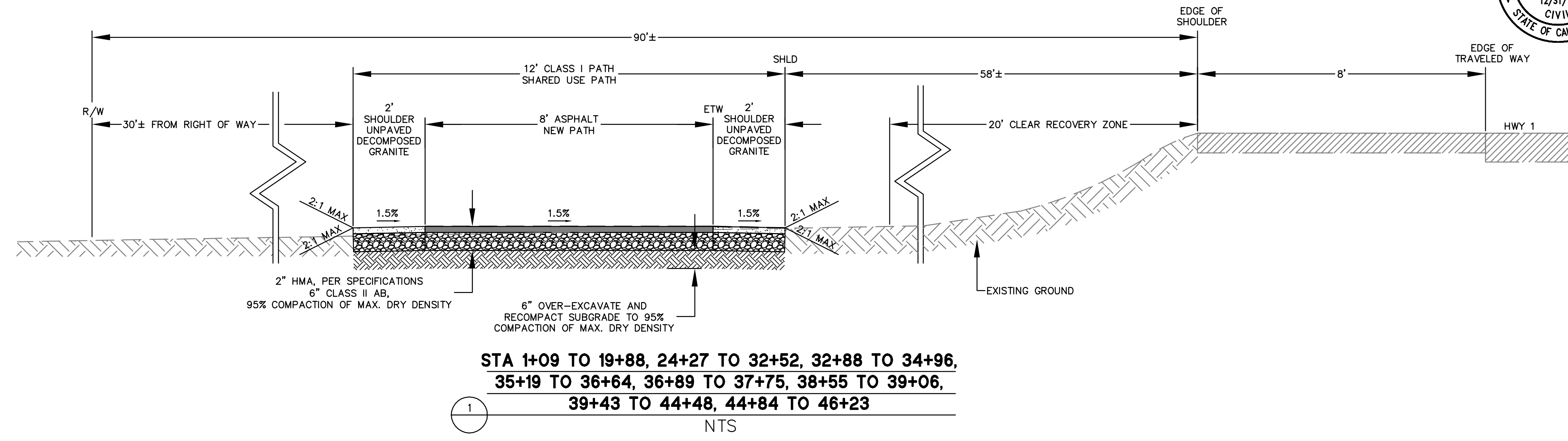
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2019



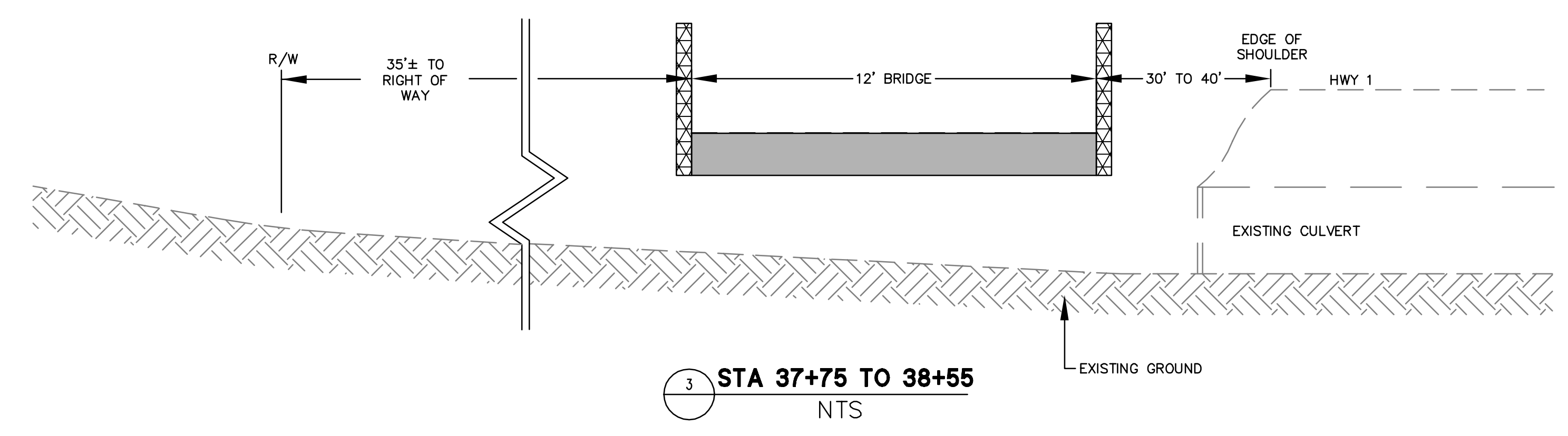
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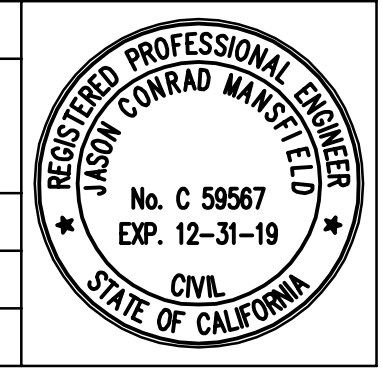


NOTE:
 1. RAIL HEIGHT AND STYLE TO BE DETERMINED BY CONTRACTOR.

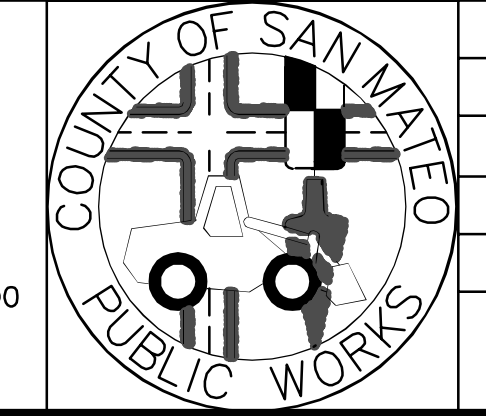


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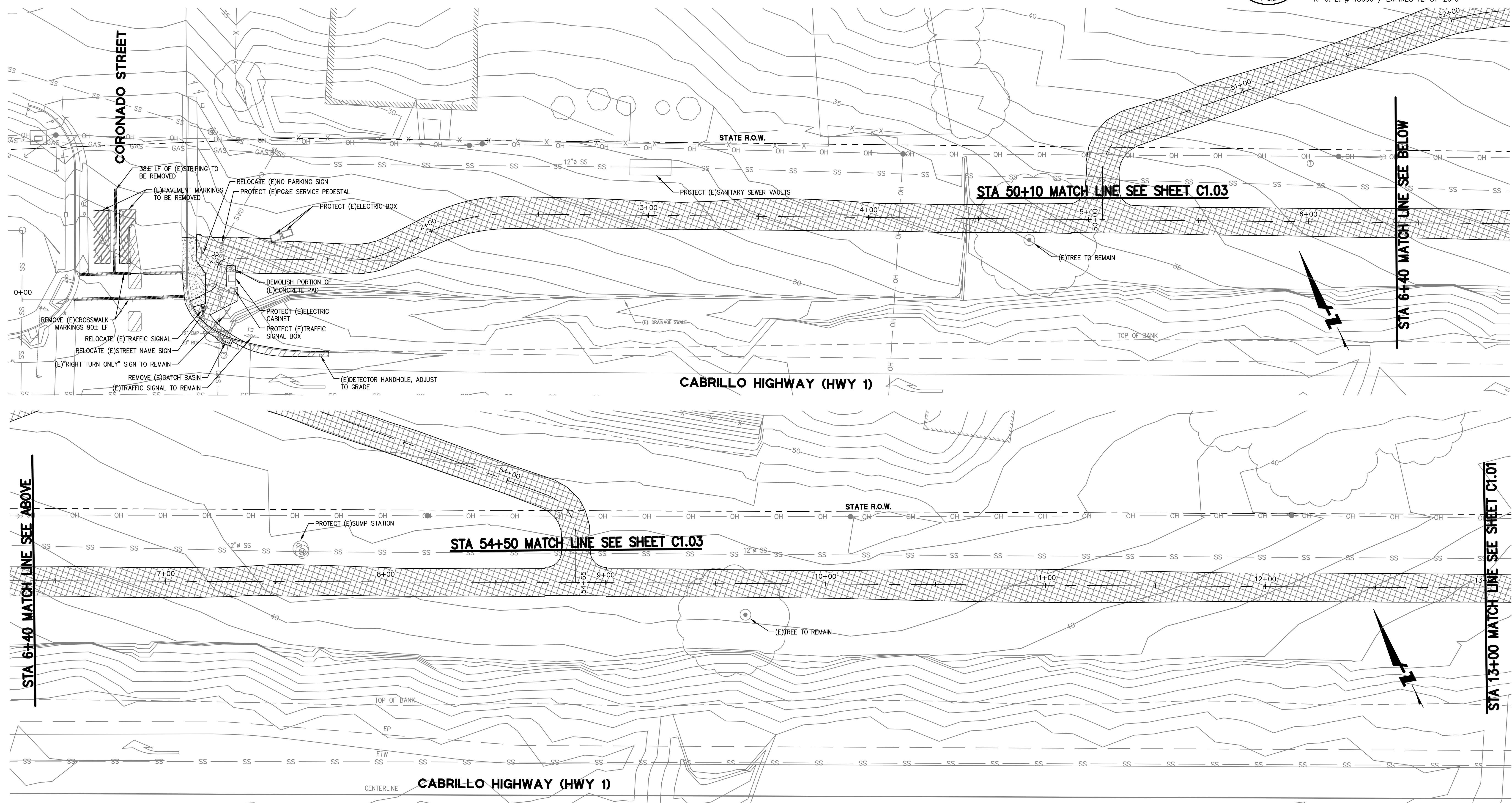


DESIGNED BY: CT		MIDCOAST MULTI-MODAL TRAIL		SCALE: NTS
CHECKED BY: JM		TYPICAL CROSS SECTIONS		DATE: 1/31/2018
DRAWN BY: FC		JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE NO.: 1/XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		C-02
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4		SHEET 3 OF 36

DRAWING NAME: 01-31-18
 PLOT TIME: 01-31-18



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



DEMOLITION LEGEND

- CLEARING AND GRUBBING
- ASPHALT TO BE REMOVED
- CONCRETE TO BE REMOVED

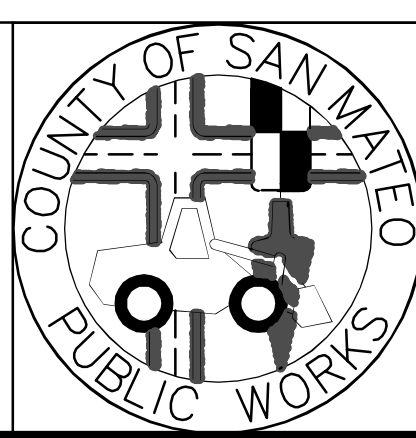
GRAPHIC SCALE

APPROVED DATE: _____

JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
 R.C.E. # 59567 / EXPIRES 12-31-2019

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 ENGINEERS / SURVEYORS / PLANNERS

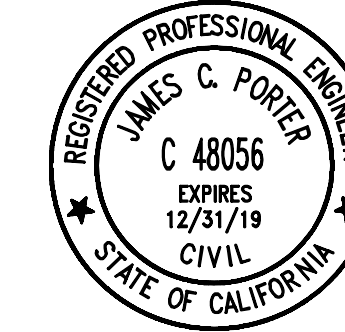
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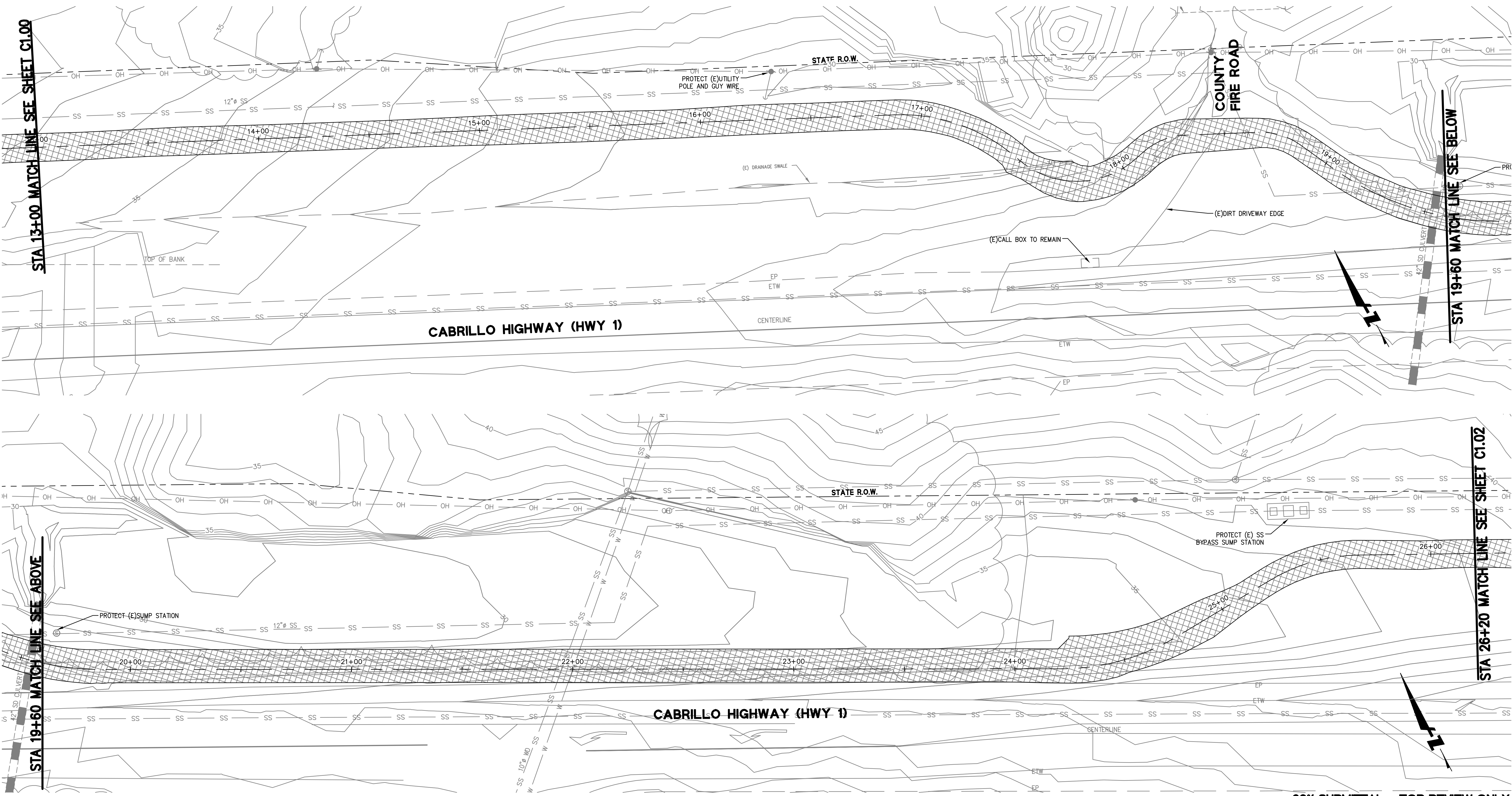
DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL		SCALE: AS SHOWN
CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN		DATE: 1/31/2018
DRAWN BY: FC	STA 00+00 TO STA 13+00		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR		C-100
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063		
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		0 1 2 3 4	
		SHEET 4 OF 36	

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DRAWING NAME: 01-31-18
 PLOT TIME: 01-31-18
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APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



STA 13+00 MATCH LINE SEE SHEET C1.00

STA 19+60 MATCH LINE SEE BELOW

STA 19+60 MATCH LINE SEE ABOVE

STA 26+20 MATCH LINE SEE SHEET C1.02

DEMOLITION LEGEND

- CLEARING AND GRUBBING
- ASPHALT TO BE REMOVED
- CONCRETE TO BE REMOVED

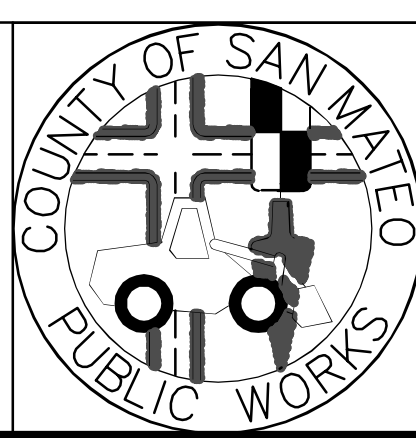
GRAPHIC SCALE

APPROVED DATE: _____

JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
 R.C.E. # 59567 / EXPIRES 12-31-2019

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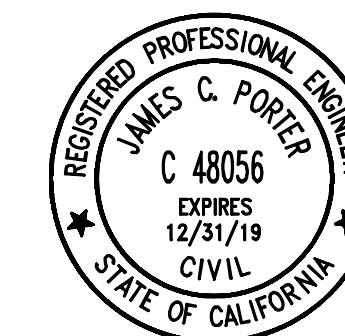
255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



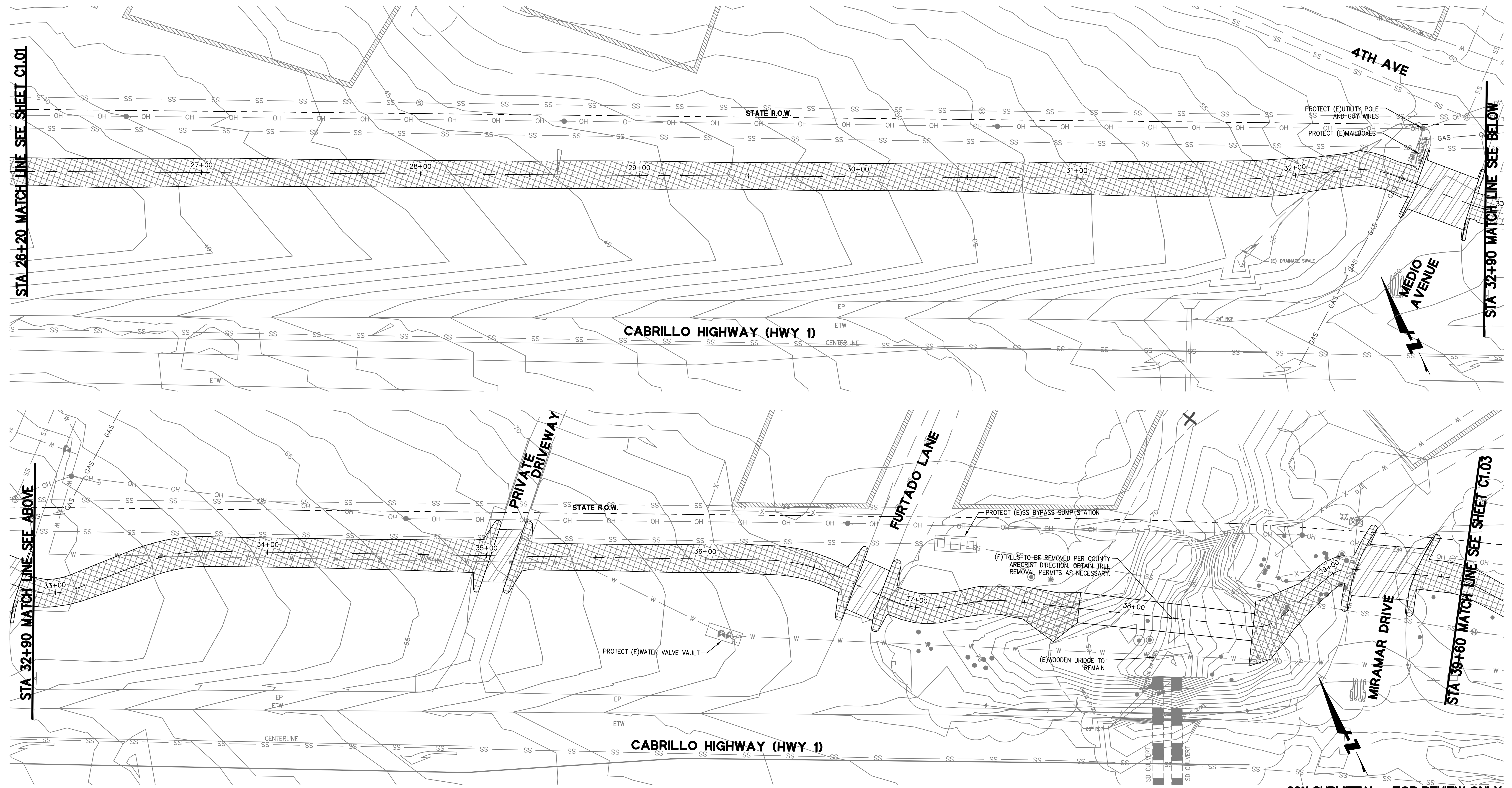
DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN	DATE: 1/31/2018
DRAWN BY: FC	STA 13+00 TO STA 26+20	FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		C-101 SHEET 5 OF 36

60% SUBMITTAL - FOR REVIEW ONLY

DRAWING NAME: 01-15-18
 PLOT TIME: 01-31-18



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



STA 26+20 MATCH LINE SEE SHEET C1.01

STA 32+90 MATCH LINE SEE BELOW

STA 32+90 MATCH LINE SEE ABOVE

STA 39+60 MATCH LINE SEE SHEET C1.03

DEMOLITION LEGEND

- CLEARING AND GRUBBING
- ASPHALT TO BE REMOVED
- CONCRETE TO BE REMOVED

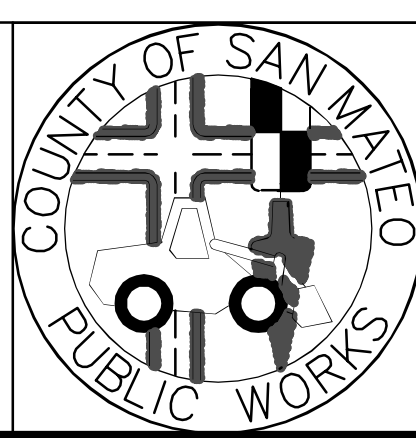
GRAPHIC SCALE

APPROVED DATE: _____

JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
 R.C.E. # 59567 / EXPIRES 12-31-2019

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255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



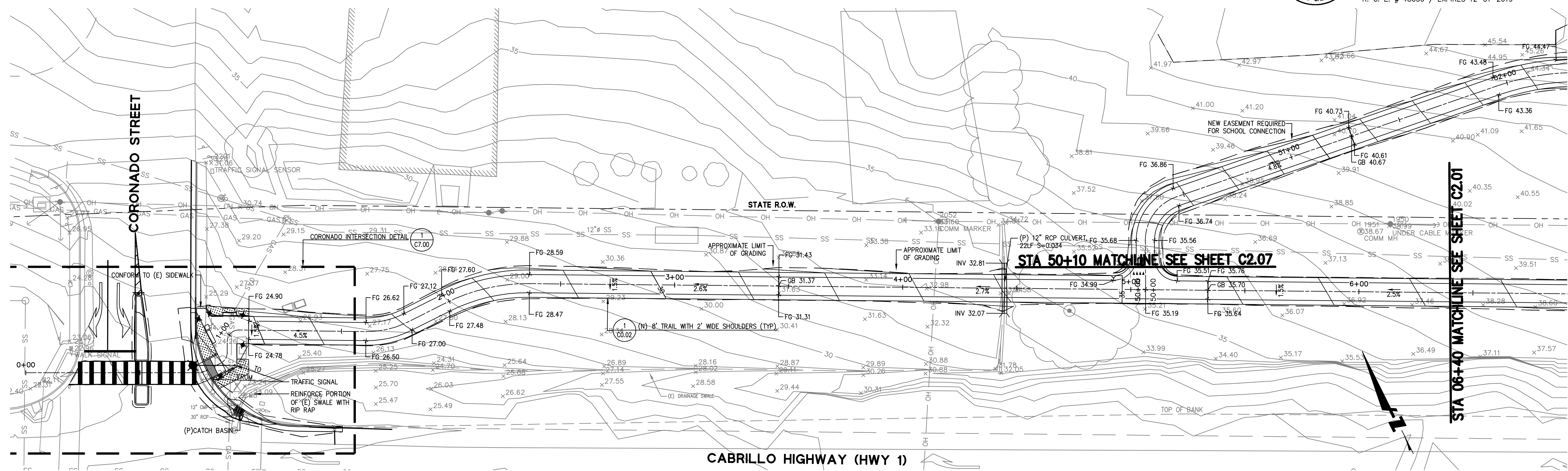
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CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN	DATE: 1/31/2018
DRAWN BY: FC	STA 26+20 TO STA 39+60	FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		C-102 SHEET 6 OF 36

60% SUBMITTAL - FOR REVIEW ONLY

DRAWING NAME: 01-31-18
 PLOT TIME: 01-31-18

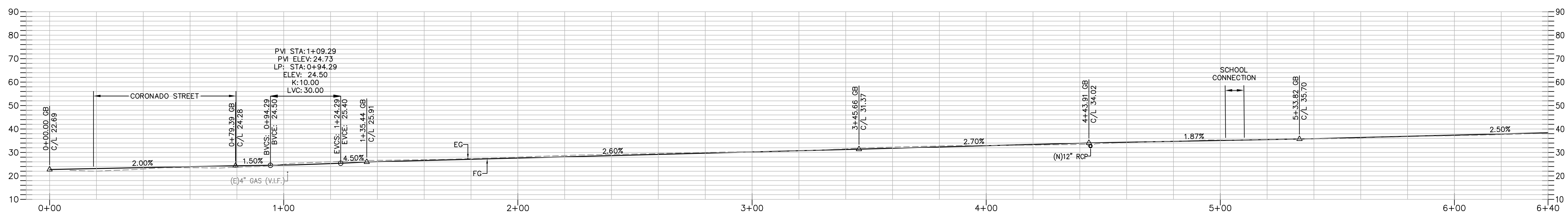


APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



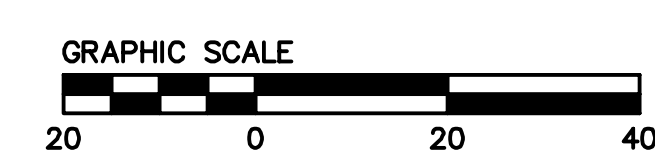
CABRILLO HIGHWAY (HWY 1)

PLAN
 SCALE: 1" = 20'



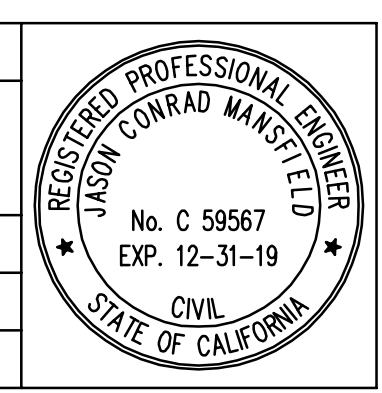
PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'

NOTE:
 SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT

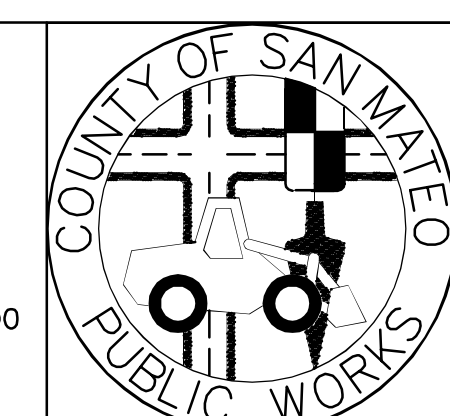


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APPROVED DATE: _____
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 BKF ENGINEERS
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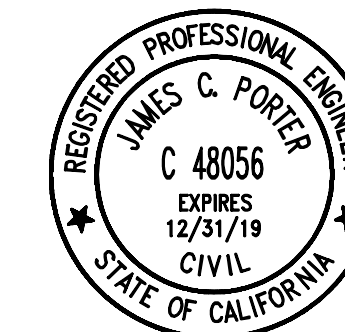
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 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



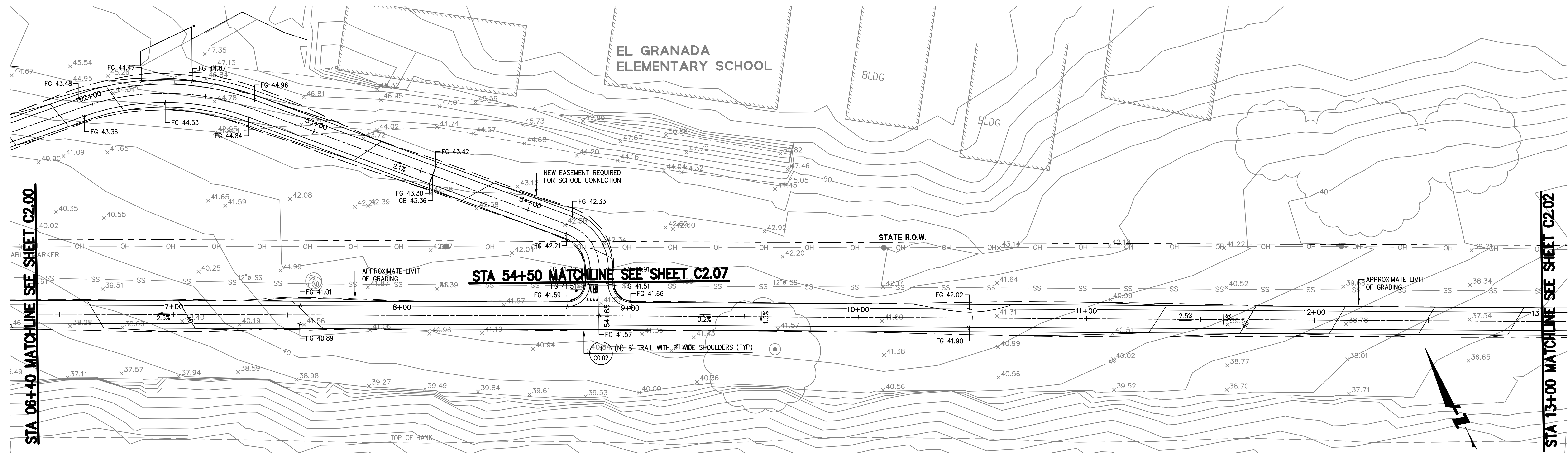
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CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	C-200 SHEET 8 OF 36



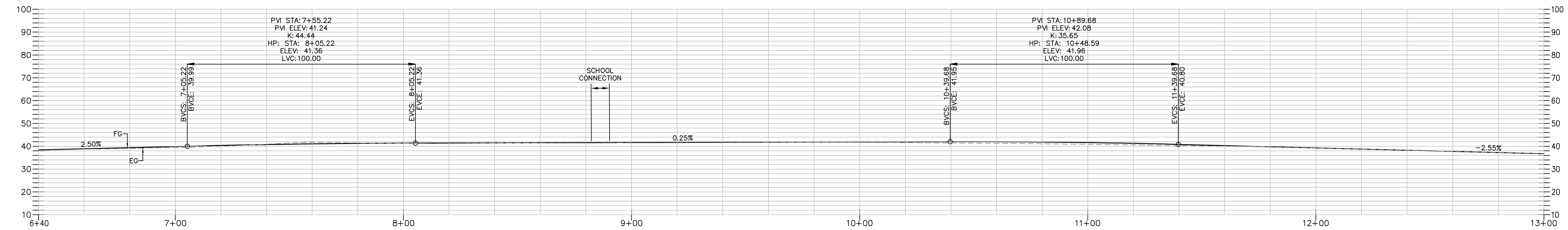
DRAWING NAME: 01-15-18
 PLOT TIME: 01-15-18
 C:\Users\jcmansfield\OneDrive\Documents\BKF\PLAN\PROFILES.dwg



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

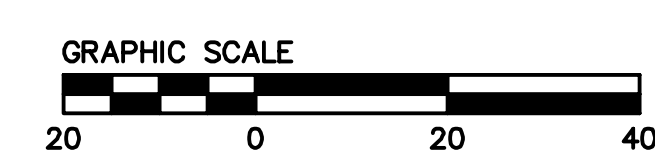


PLAN
 SCALE: 1" = 20'



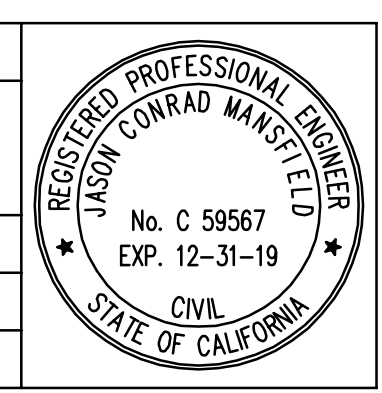
PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'

NOTE:
 SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT

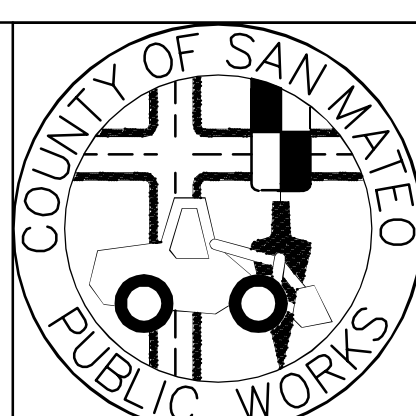


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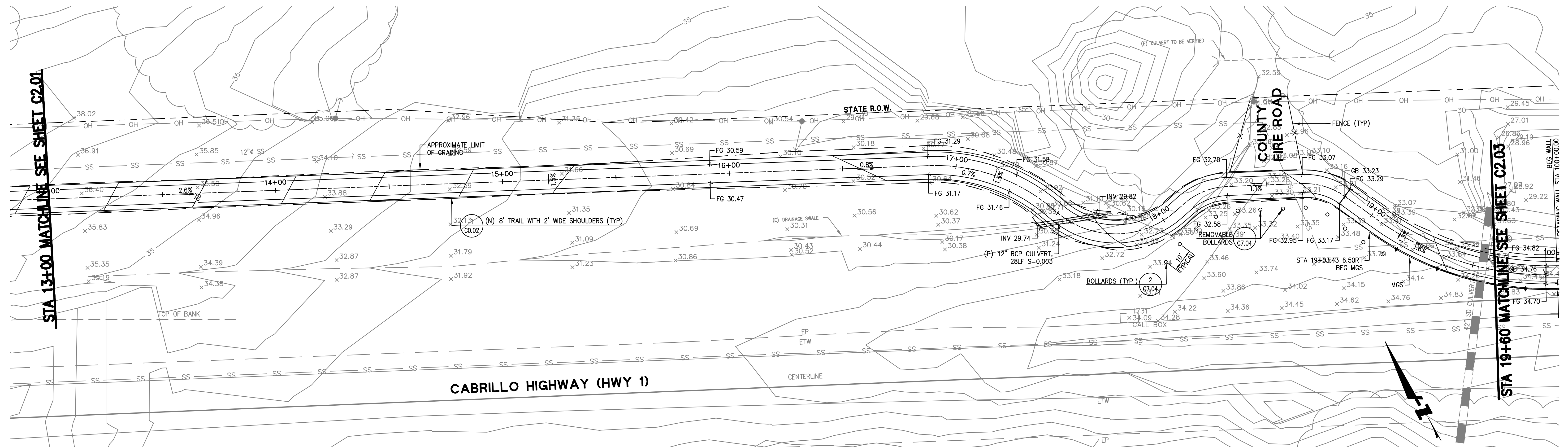


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 06+40 TO STA 13+00	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	

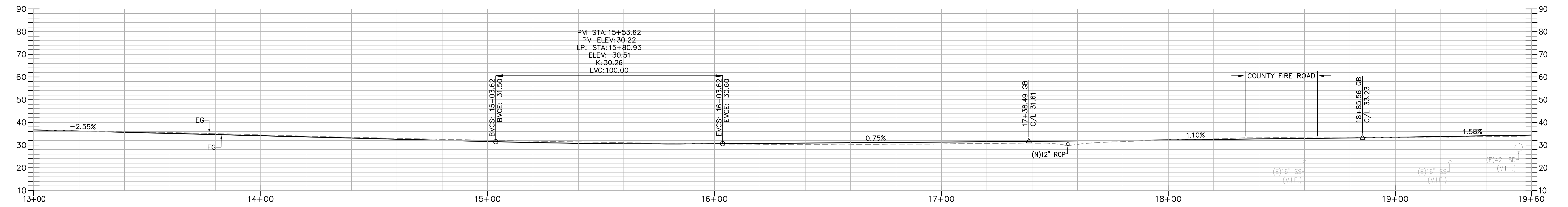




APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

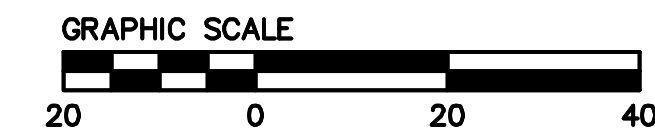


PLAN
 SCALE: 1" = 20'



PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'

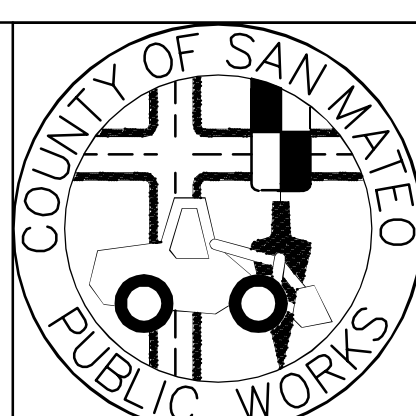
NOTE:
 SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT



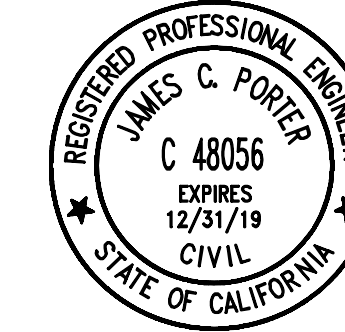
60% SUBMITTAL - FOR REVIEW ONLY

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS R.C.E. # 59567 / EXPIRES 12-31-2019	

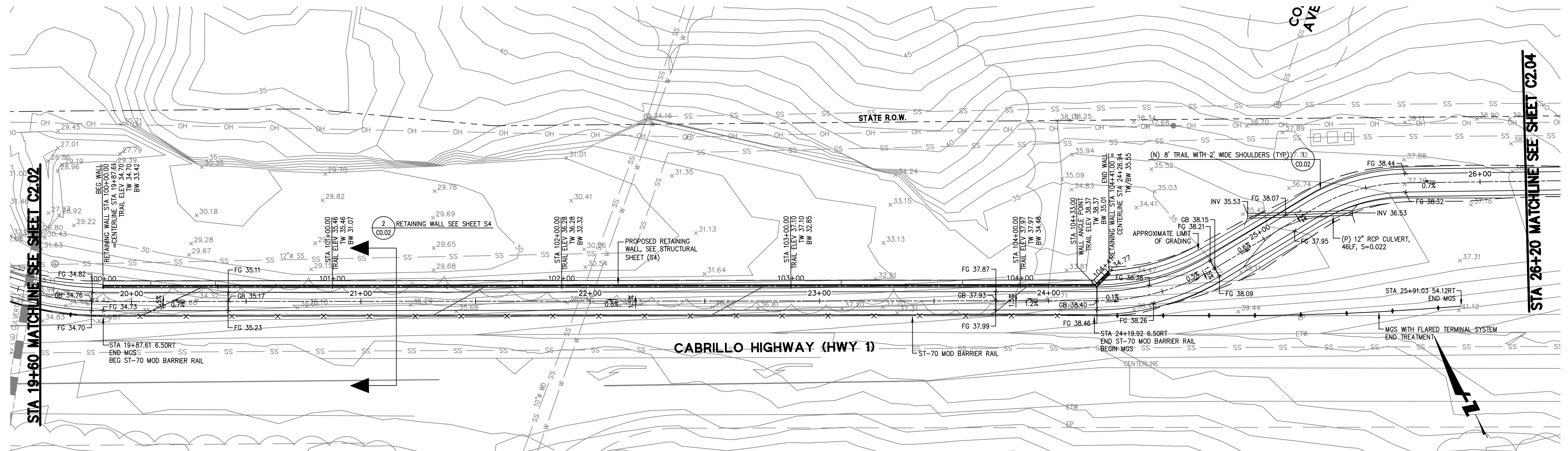
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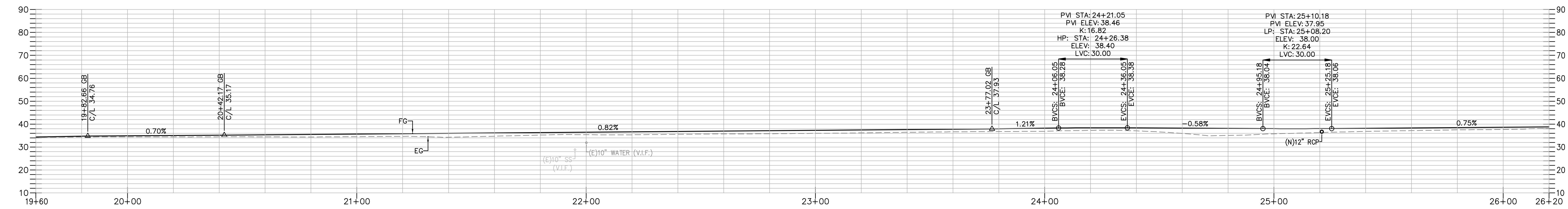
DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 13+00 TO STA 19+60	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	



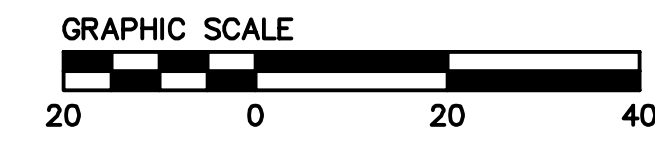
APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



PLAN
 SCALE: 1" = 20'



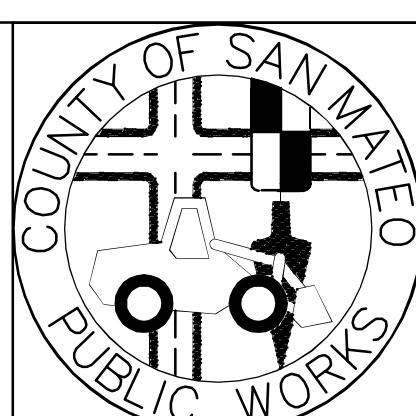
PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'



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APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
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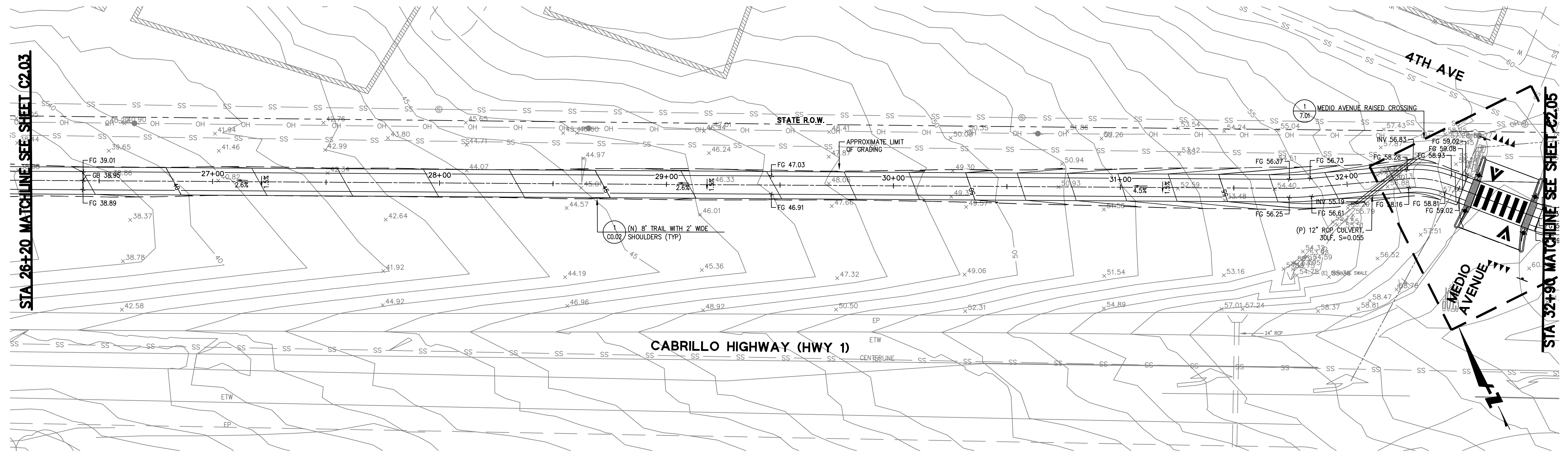


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 19+60 TO STA 26+20	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		C-203 SHEET 11 OF 36

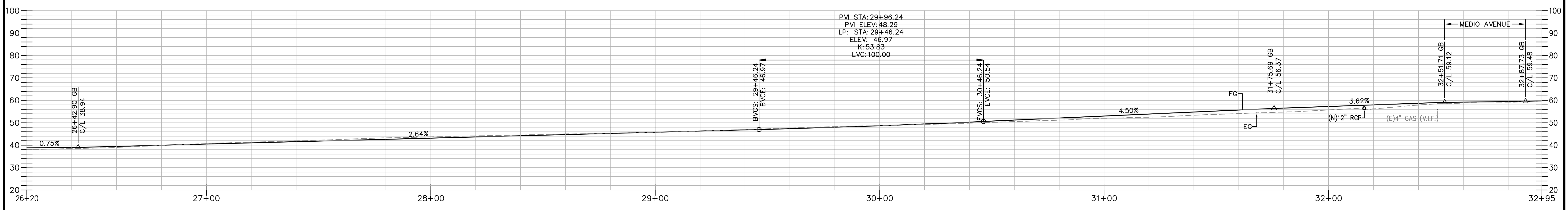
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APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



PLAN
 SCALE: 1" = 20'



PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'

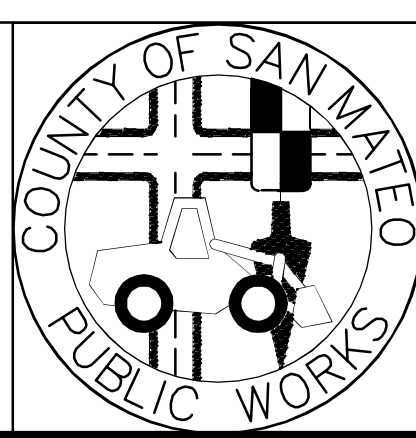
NOTE:
 SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT



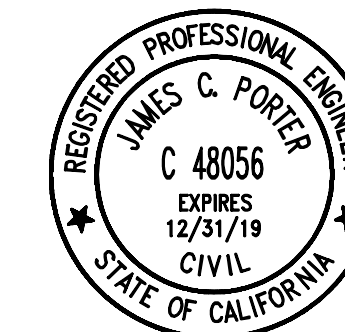
60% SUBMITTAL - FOR REVIEW ONLY

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

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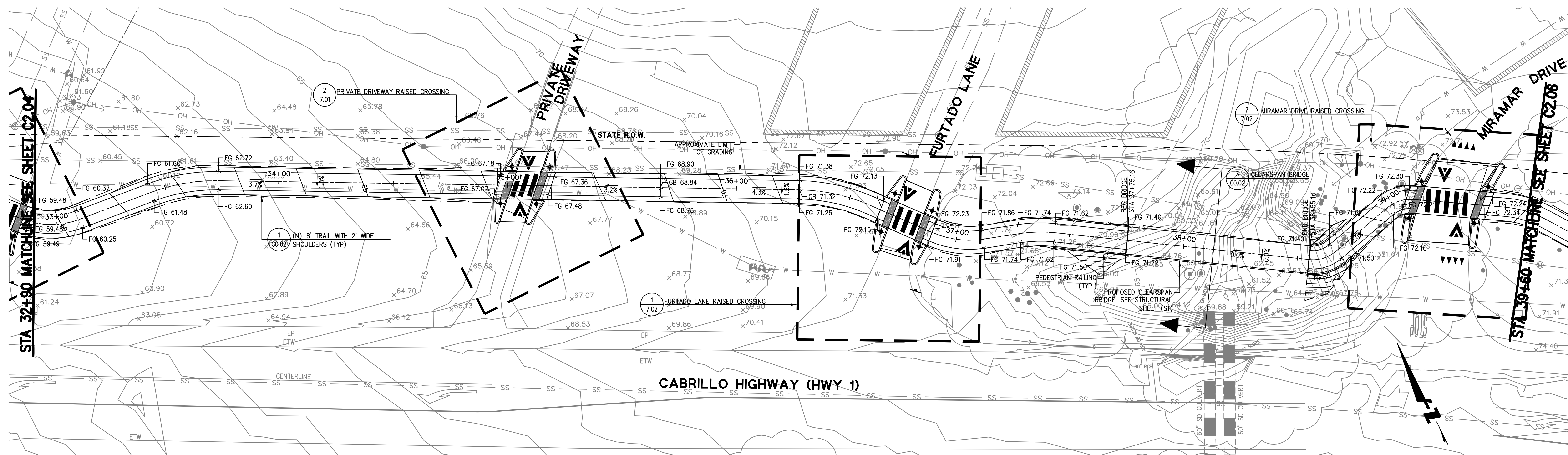
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CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		C-204 SHEET 12 OF 36



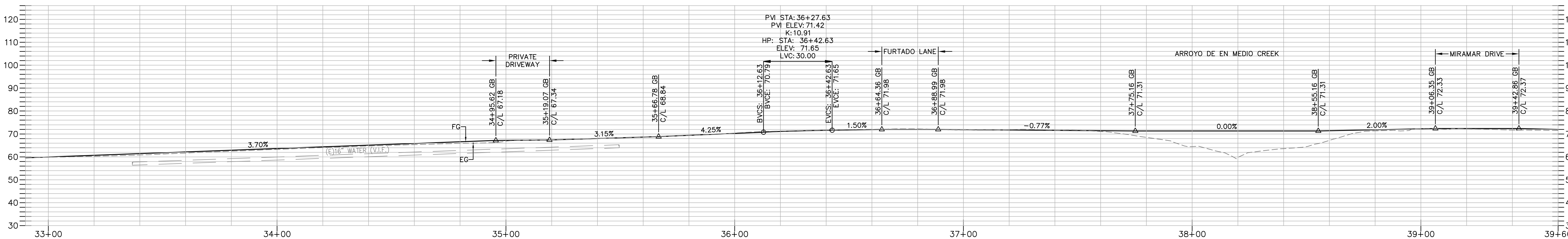
APPROVED:

DATE:

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2019



PLAN
SCALE: 1" = 20'



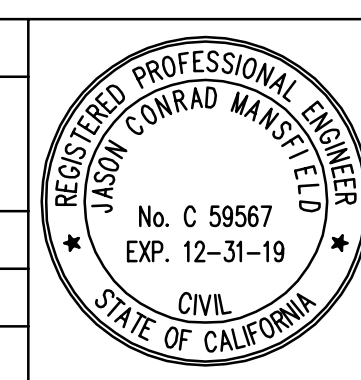
PROFILE
SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 20'

NOTE:
SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT

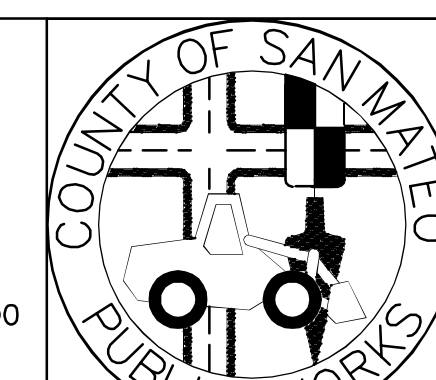


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APPROVED DATE:
JASON MANSFIELD, PROJECT MANAGER
BKF ENGINEERS
R.C.E. # 59567 / EXPIRES 12-31-2019

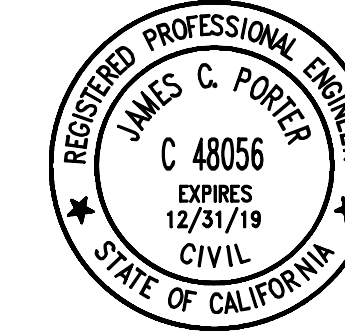


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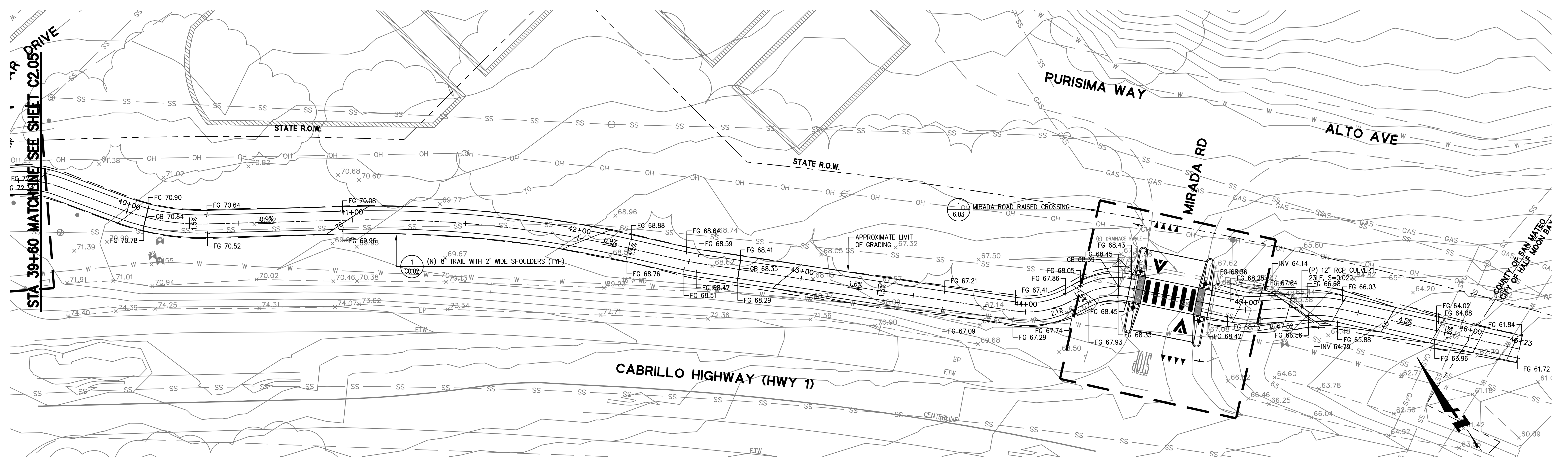


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 32+90 TO STA 39+60	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	

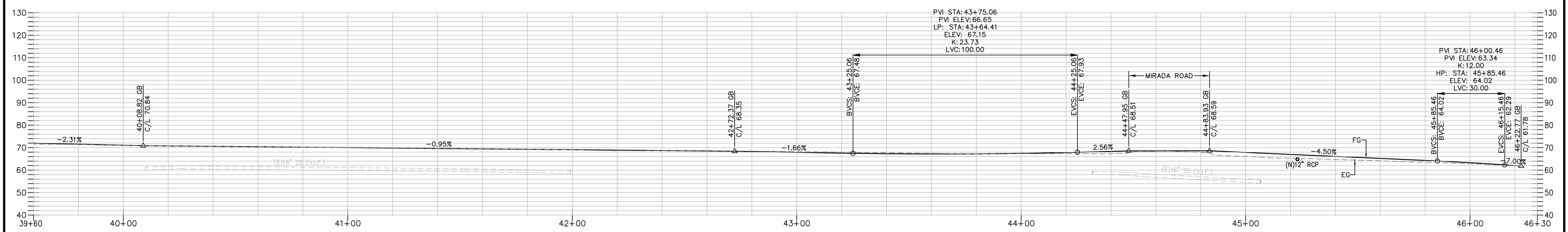
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



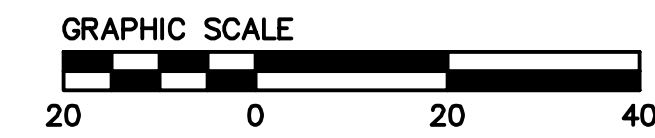
PLAN
 SCALE: 1" = 20'



PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'

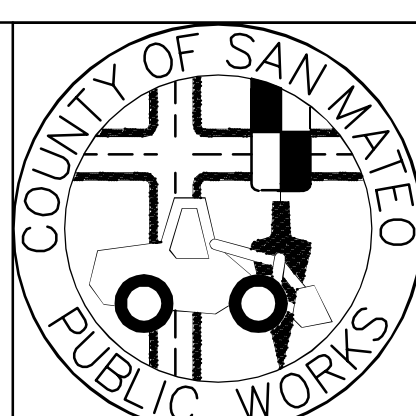
NOTE:
 SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT

60% SUBMITTAL - FOR REVIEW ONLY



APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

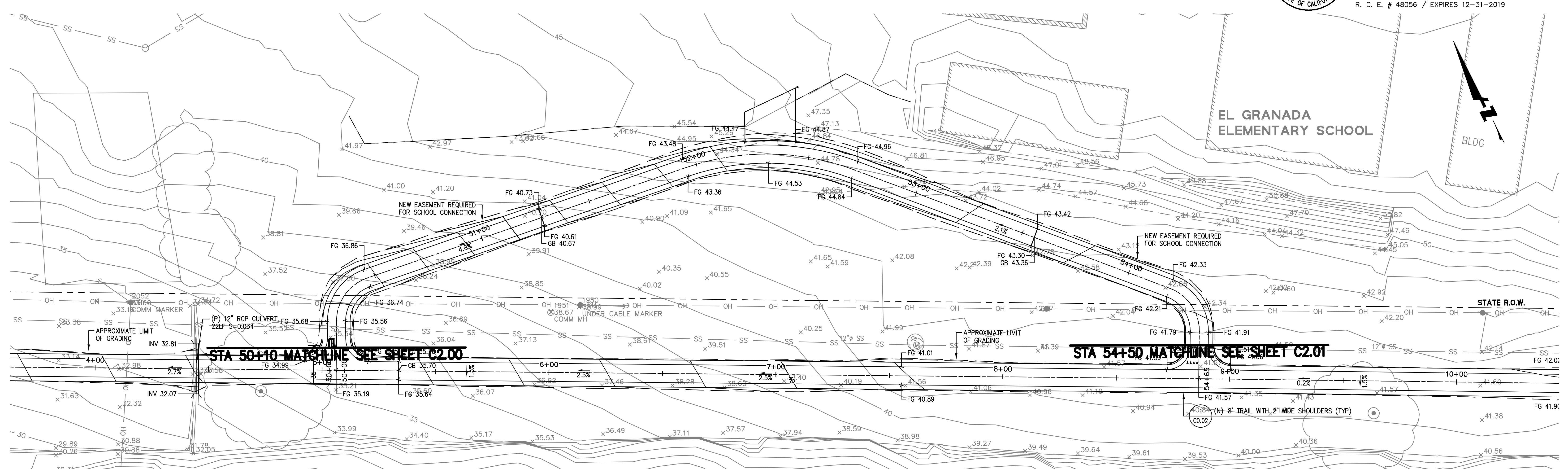
BKF
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 REDWOOD CITY, CA 94065
 (650) 482-6300



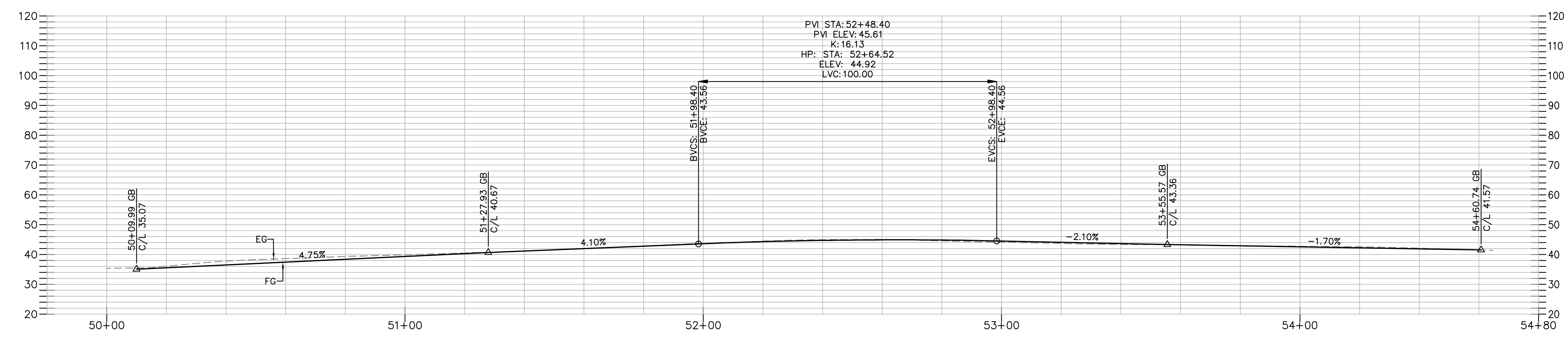
DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 36+90 TO STA 46+22.77	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

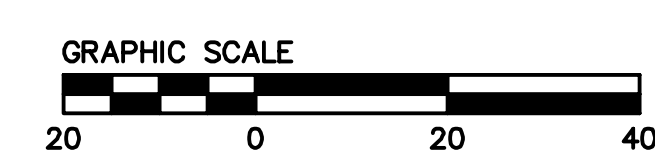


PLAN
 SCALE: 1" = 20'



PROFILE
 SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 20'

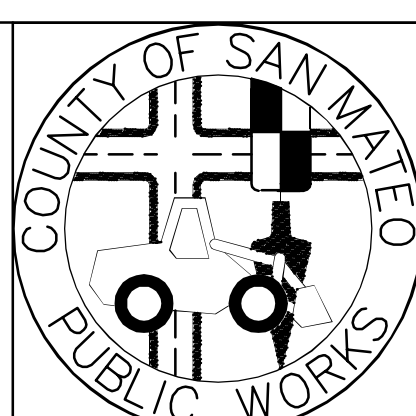
NOTE:
 SEE C4.00 FOR HORIZONTAL CONTROL & LAYOUT



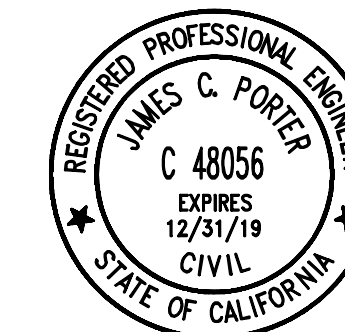
60% SUBMITTAL - FOR REVIEW ONLY

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS R.C.E. # 59567 / EXPIRES 12-31-2019	

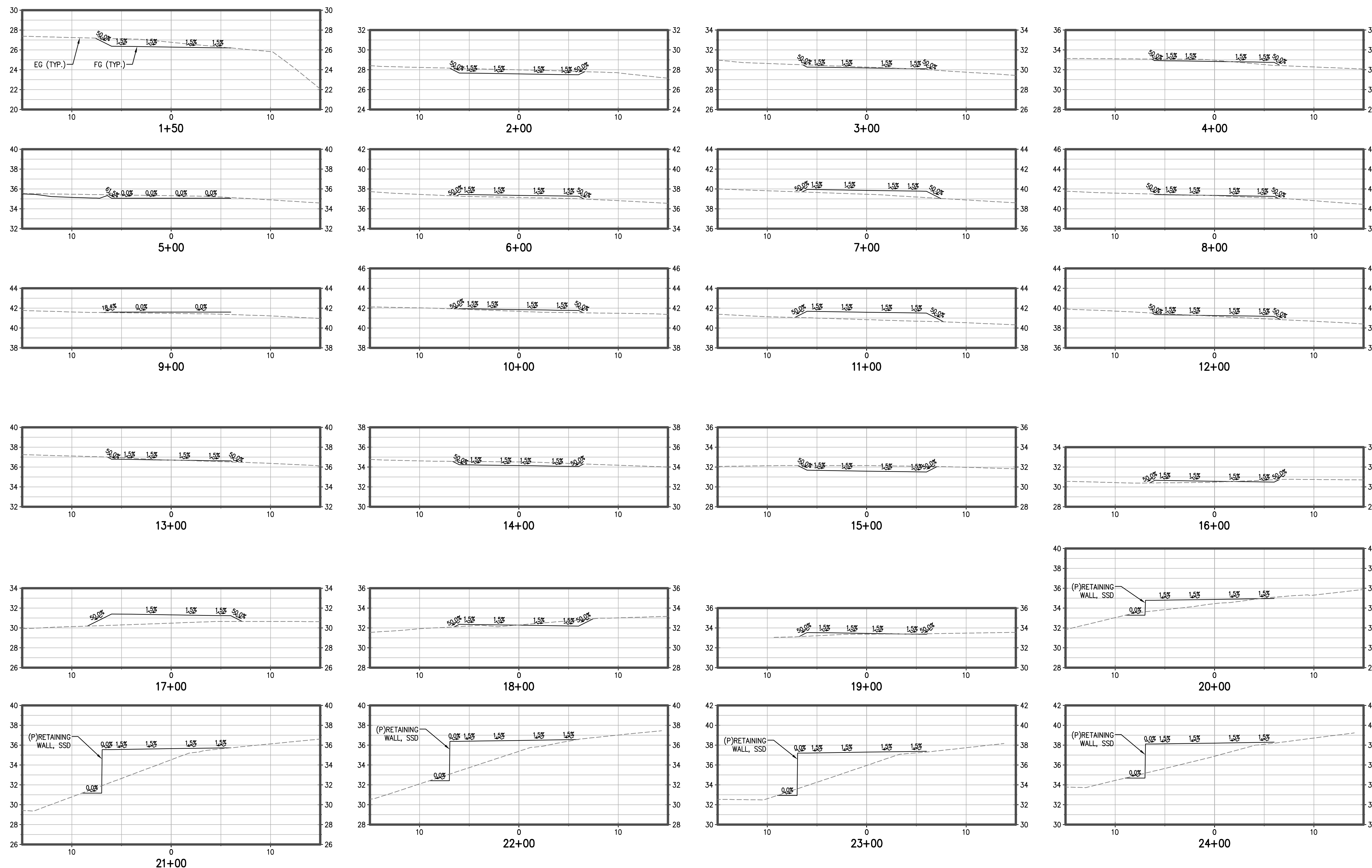
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DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 50+10 TO STA 54+50	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		C-207 SHEET 15 OF 36



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

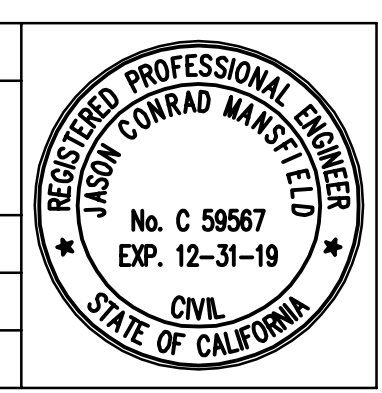


SCALE: HORIZONTAL 1"=5'
 VERTICAL 1"=5'

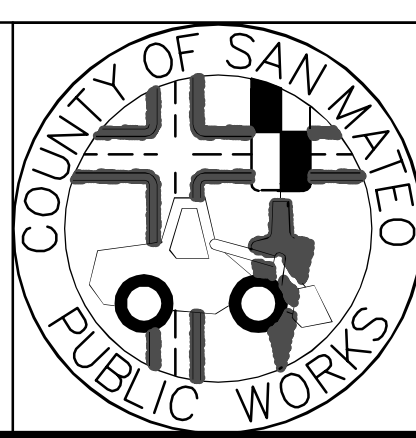
NOTE:
 1. CONTRACTOR TO MAINTAIN EXISTING DRAINAGE PATTERNS

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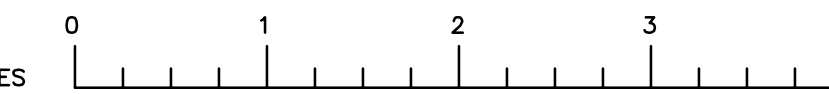
APPROVED DATE: _____
 JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
 R.C.E. # 59567 / EXPIRES 12-31-2019



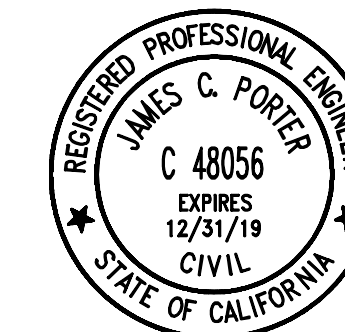
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 REDWOOD CITY, CA 94065
 (650) 482-6300



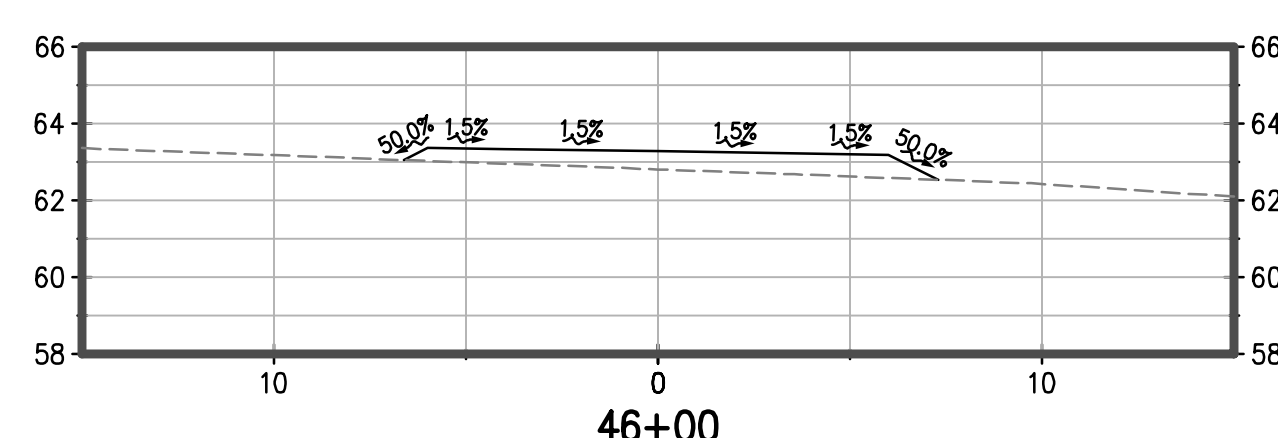
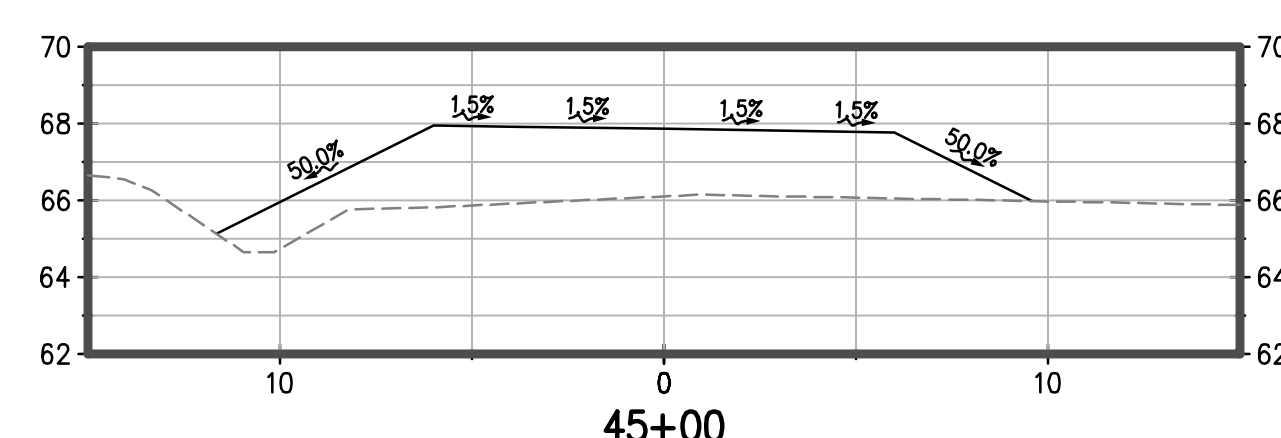
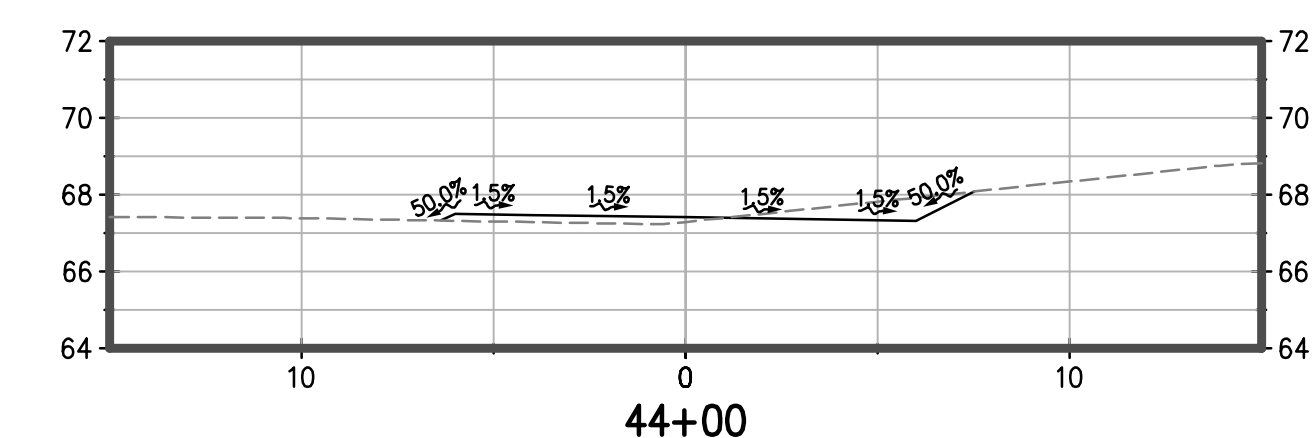
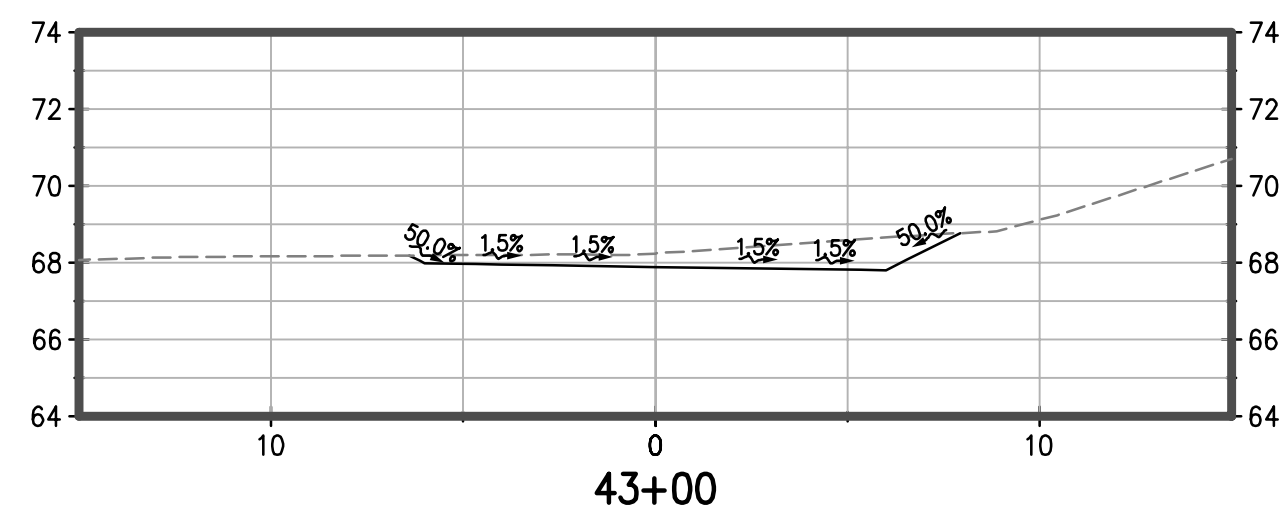
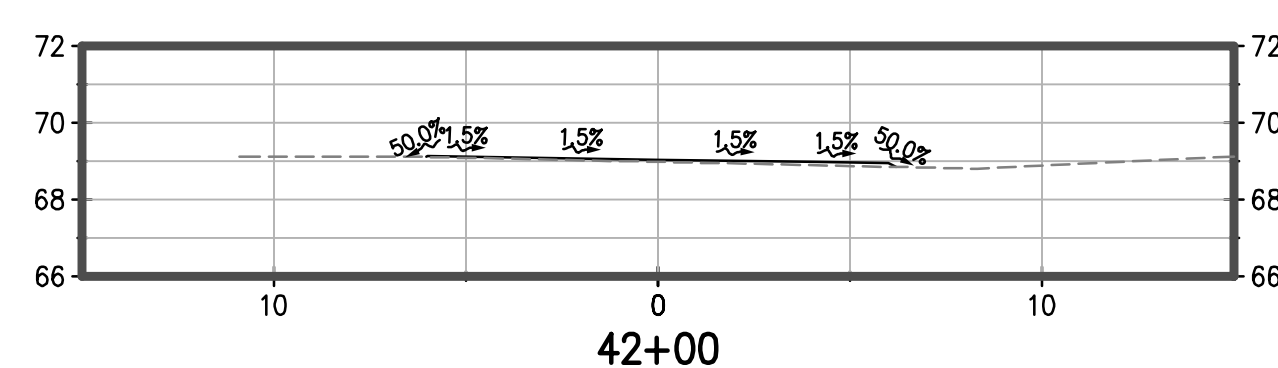
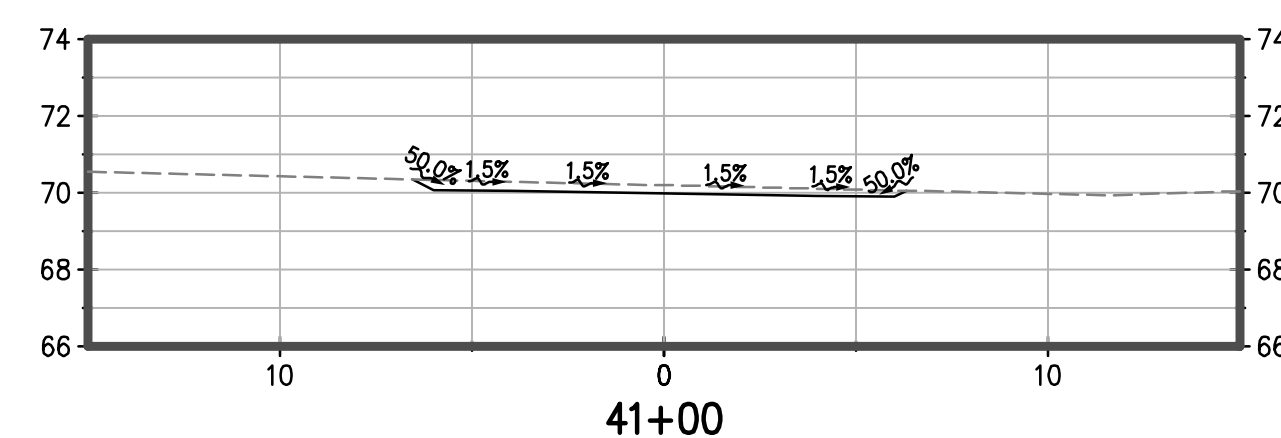
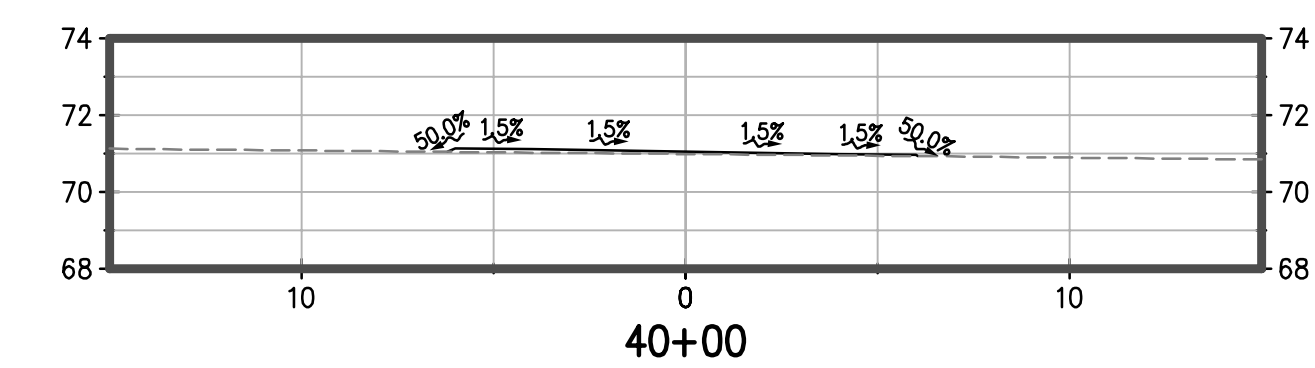
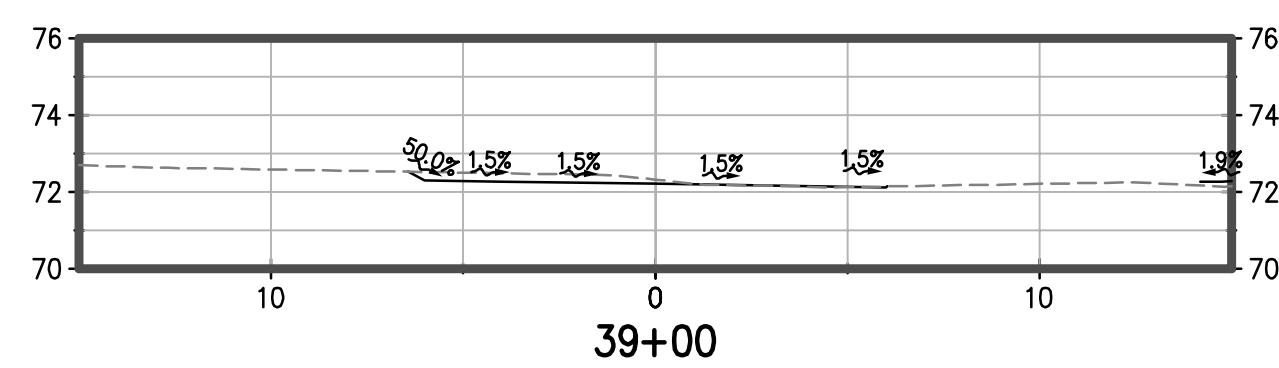
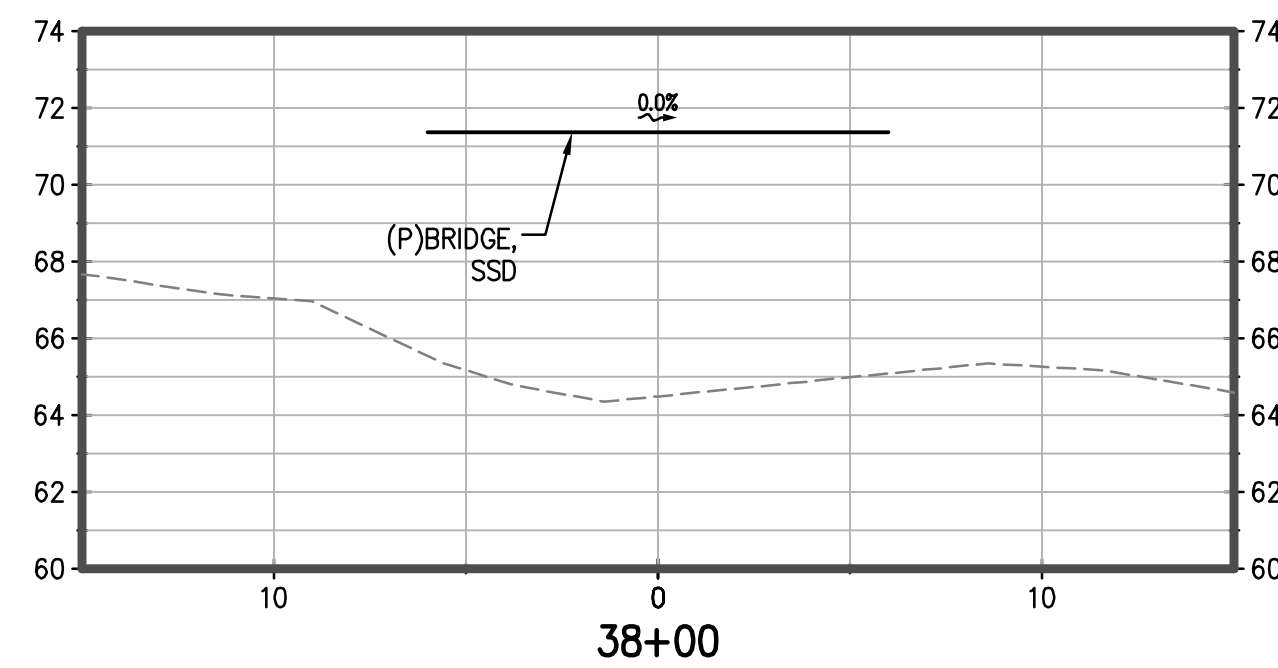
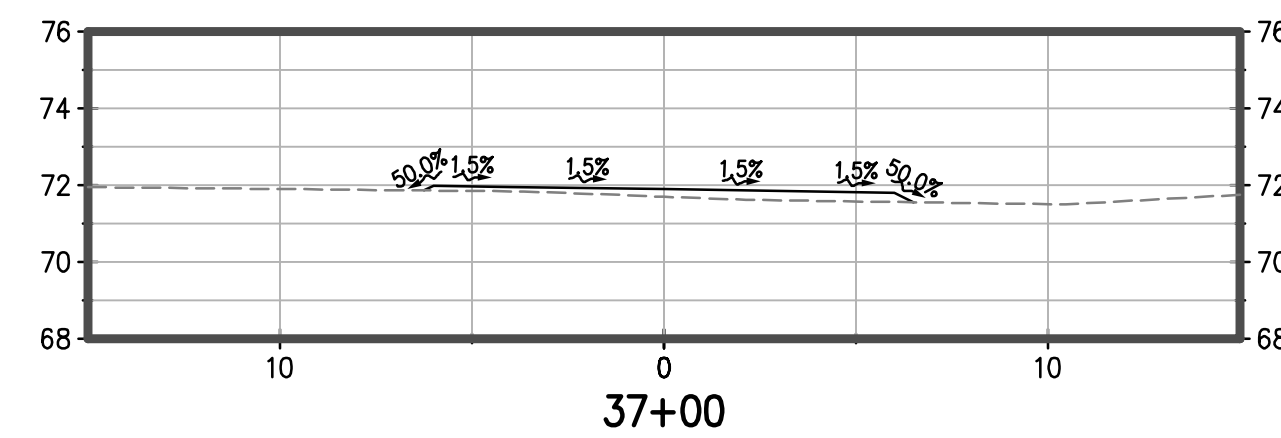
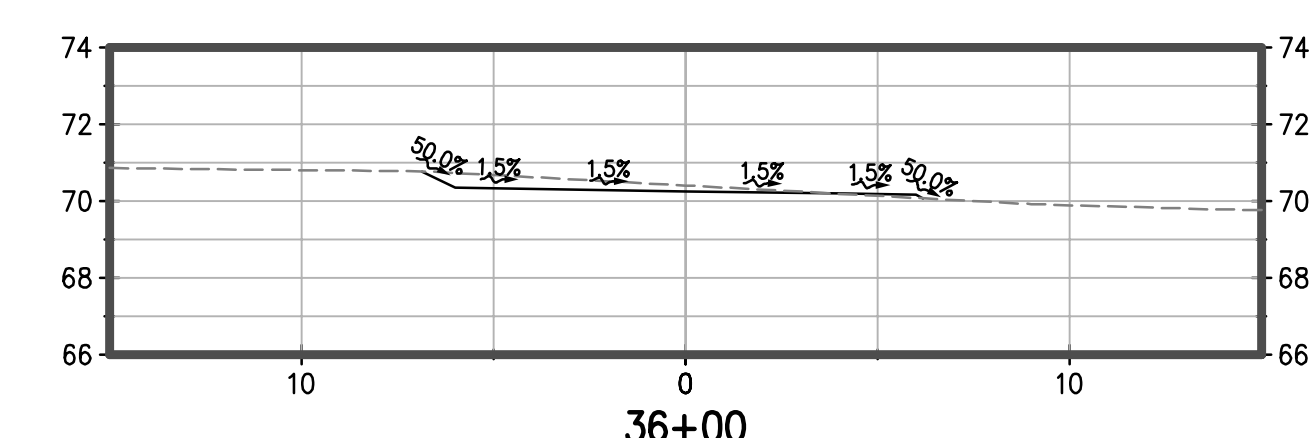
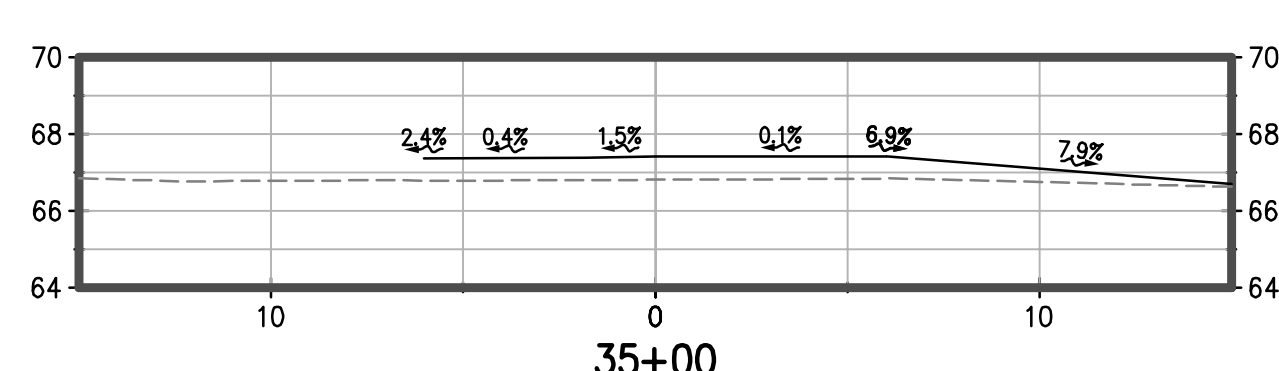
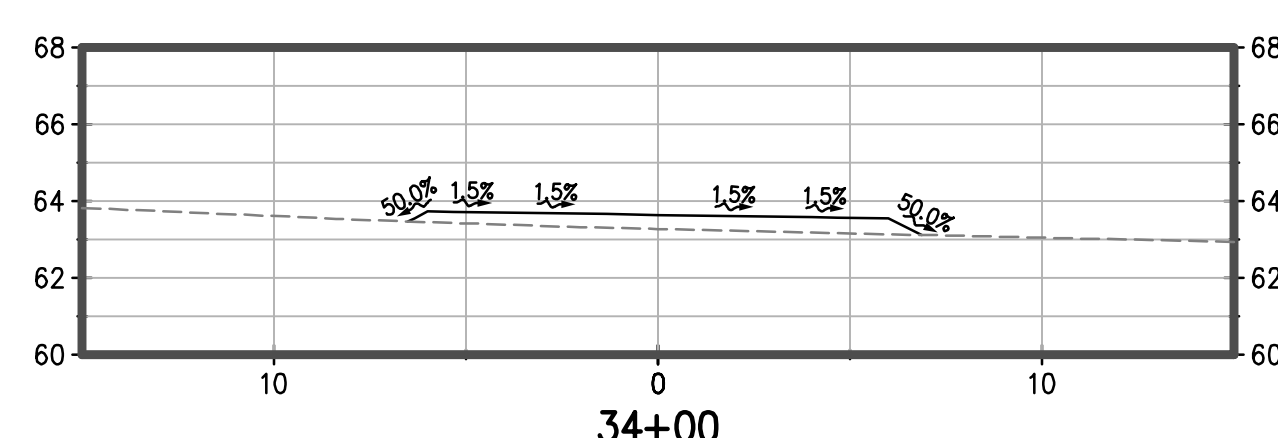
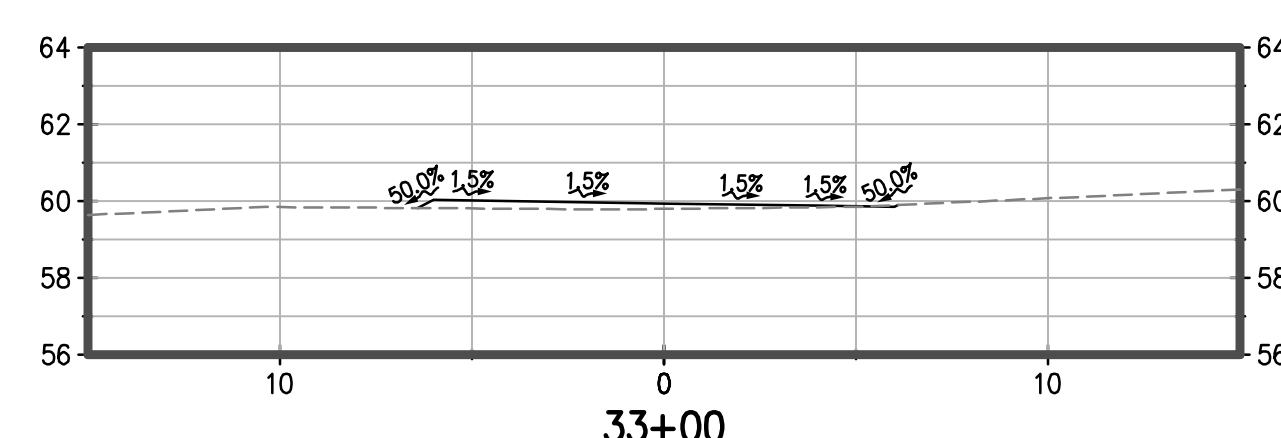
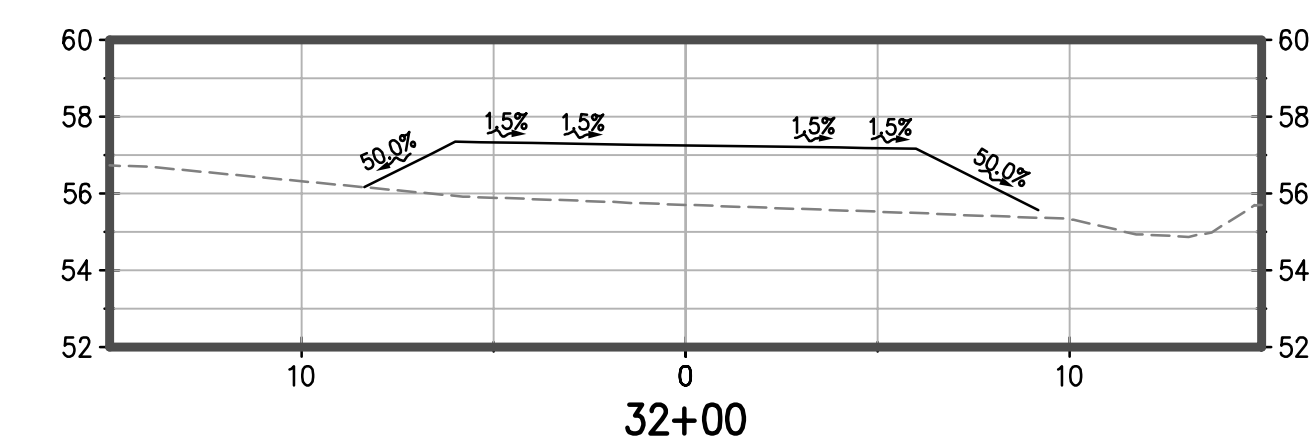
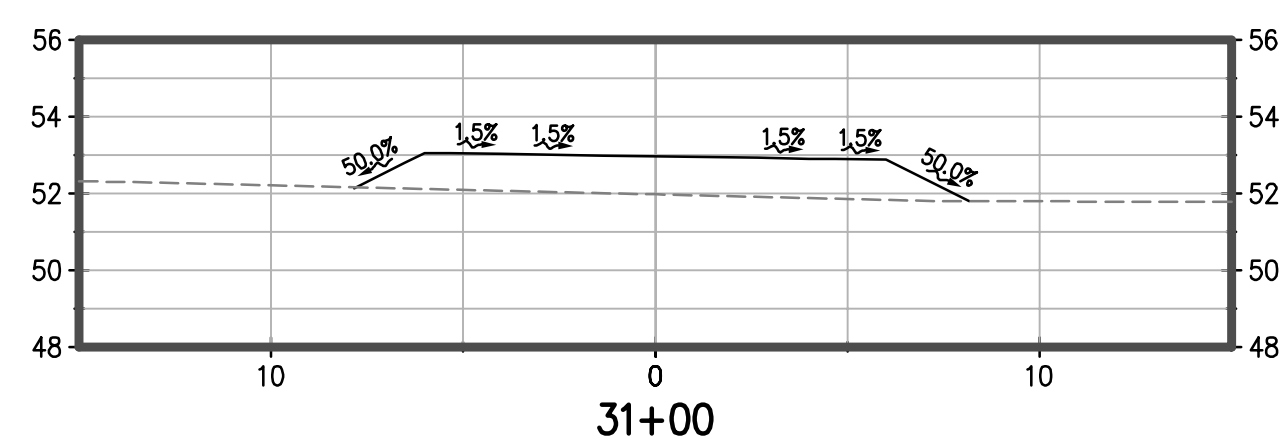
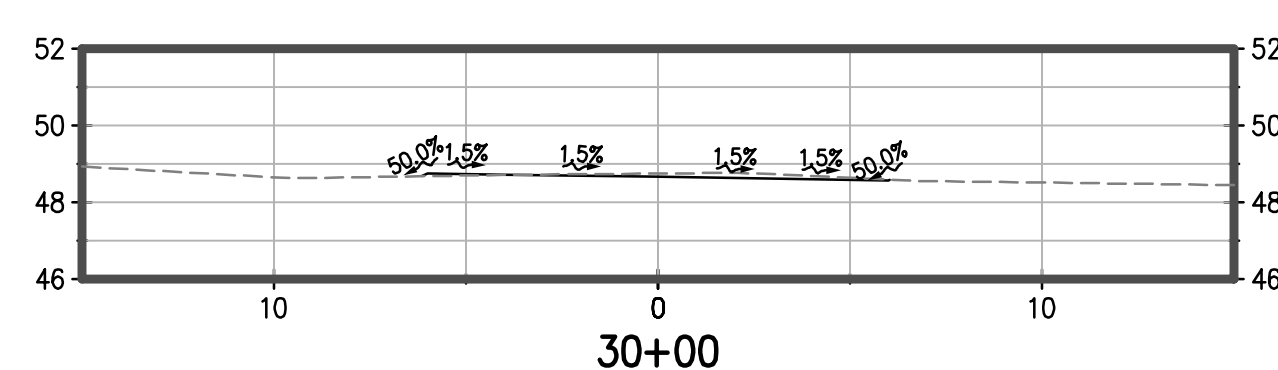
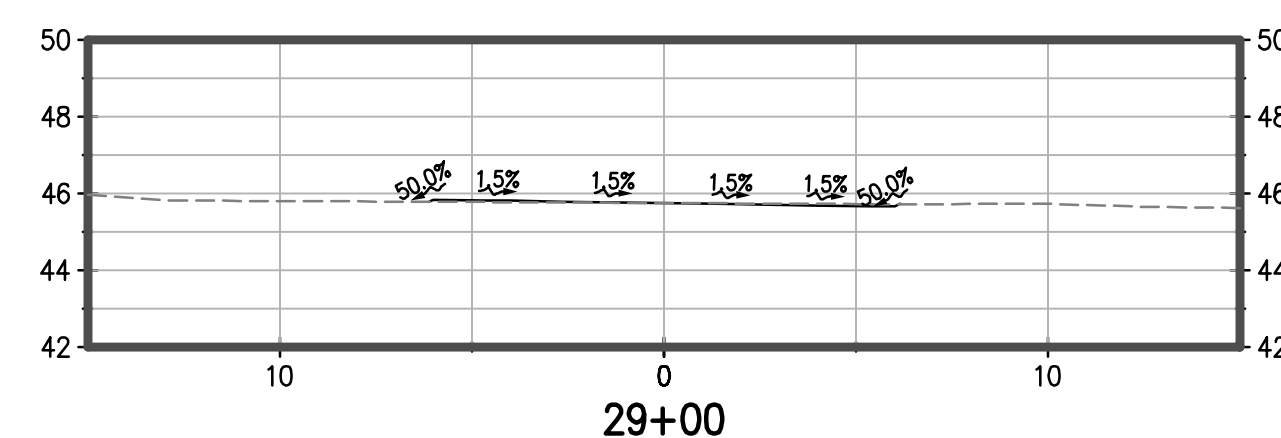
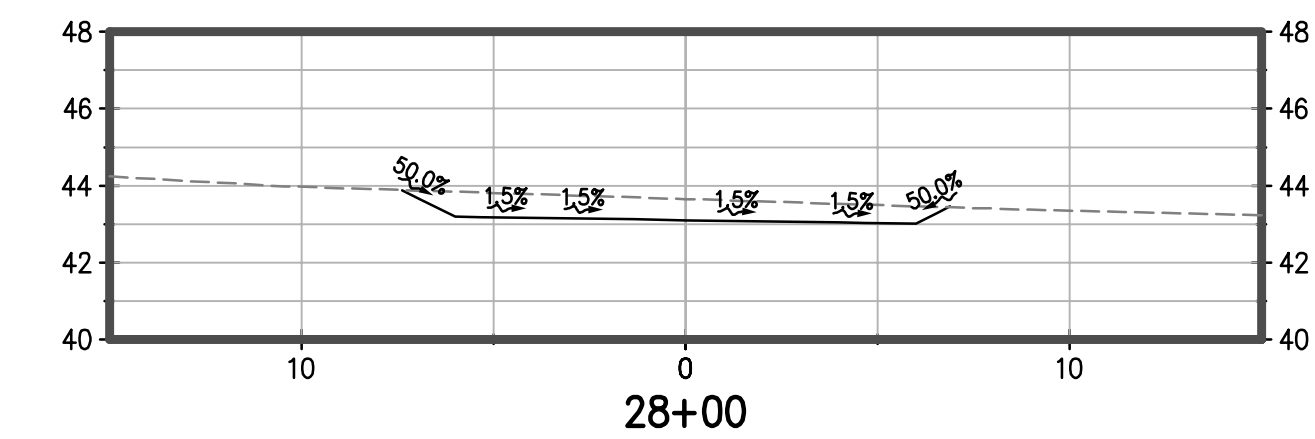
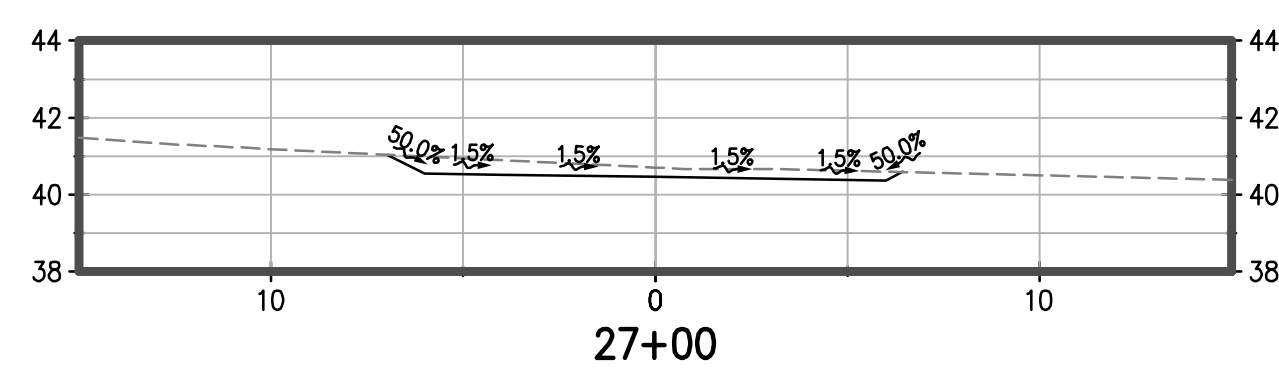
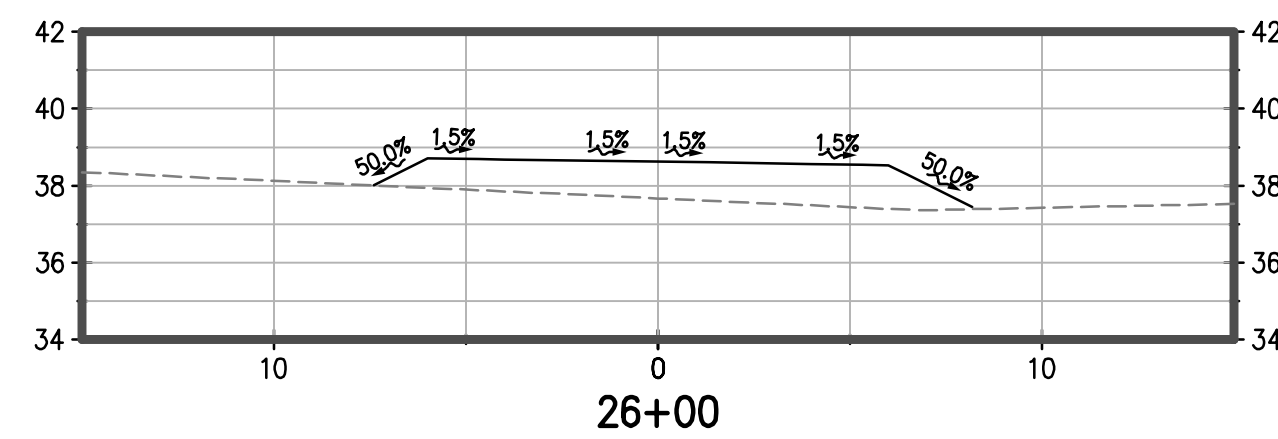
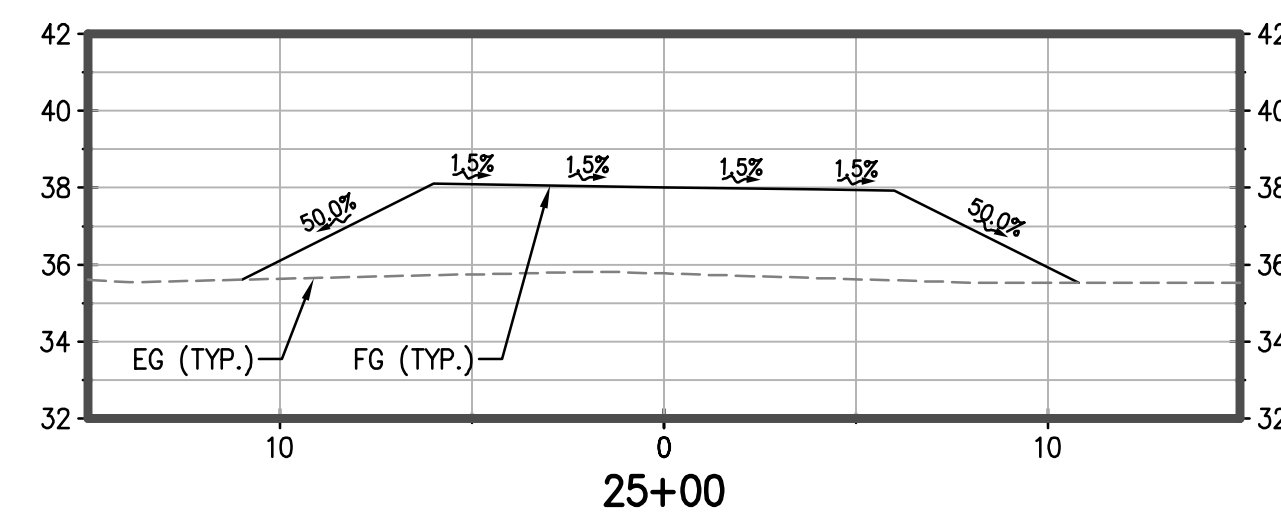
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CHECKED BY: JM		CROSS SECTIONS		DATE: 1/31/2018
DRAWN BY: FC		JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE NO.: 1 / XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		C-300
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				SHEET 16 OF 36



DRAWING NAME: 01-31-18
 PLOT TIME: 01-31-18 09:02:42 AM



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



SCALE: HORIZONTAL 1"=5'
 VERTICAL 1"=5'

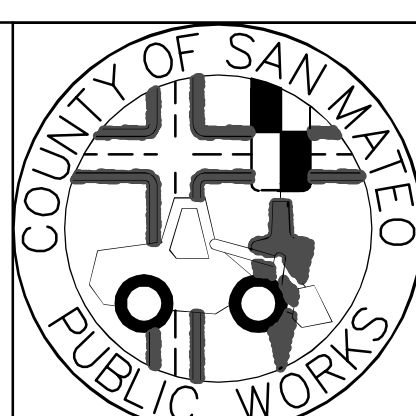
NOTE:
 1. CONTRACTOR TO MAINTAIN EXISTING DRAINAGE PATTERNS

60% SUBMITTAL - FOR REVIEW ONLY

APPROVED DATE: _____

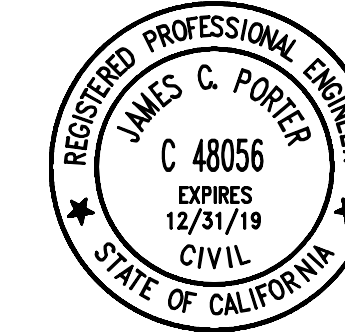
JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
 R.C.E. # 59567 / EXPIRES 12-31-2019

BKF
 ENGINEERS / SURVEYORS / PLANNERS
 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300

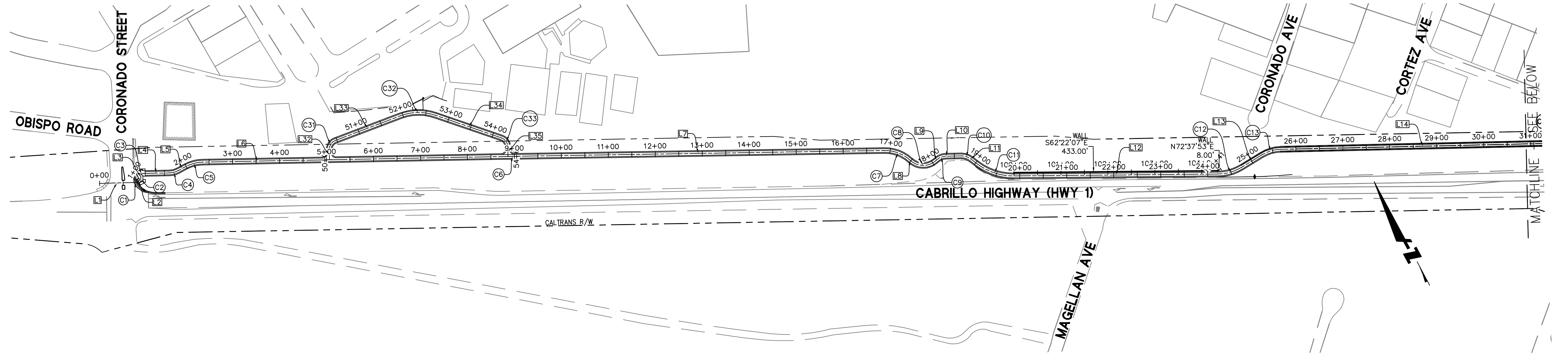


DESIGNED BY: CT		MIDCOAST MULTI-MODAL TRAIL		SCALE: AS SHOWN
CHECKED BY: JM		CROSS SECTIONS		DATE: 1/31/2018
DRAWN BY: FC		JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE NO.: 1 / XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		C-301
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				SHEET 17 OF 36

DRAWING NAME: 01-17-18
 PLOT TIME: 01-17-18



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L1	74.74	S63°28'07"E
L2	7.06	N89°43'01"E
L3	5.02	N26°25'32"E
L4	55.76	S62°44'18"E
L5	18.46	N89°51'40"E
L6	658.93	S62°54'19"E
L7	791.00	S62°44'18"E
L8	0.42	S19°14'34"E
L9	4.62	N77°36'09"E

LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L10	33.40	S62°46'13"E
L11	17.87	S24°50'00"E
L12	433.77	S62°22'07"E
L13	49.39	N86°33'09"E
L14	607.06	S63°06'18"E
L15	42.92	S68°34'52"E
L16	39.86	S42°46'33"E
L17	33.39	S84°08'53"E
L18	254.04	S62°33'38"E

LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L19	29.93	S39°51'06"E
L20	15.95	S72°17'31"E
L21	111.97	S57°26'27"E
L22	30.02	N76°21'34"E
L23	40.65	S58°38'26"E
L24	29.54	S35°08'00"E
L25	59.73	S56°59'04"E
L26	25.03	S42°41'24"E
L27	141.18	S46°49'46"E

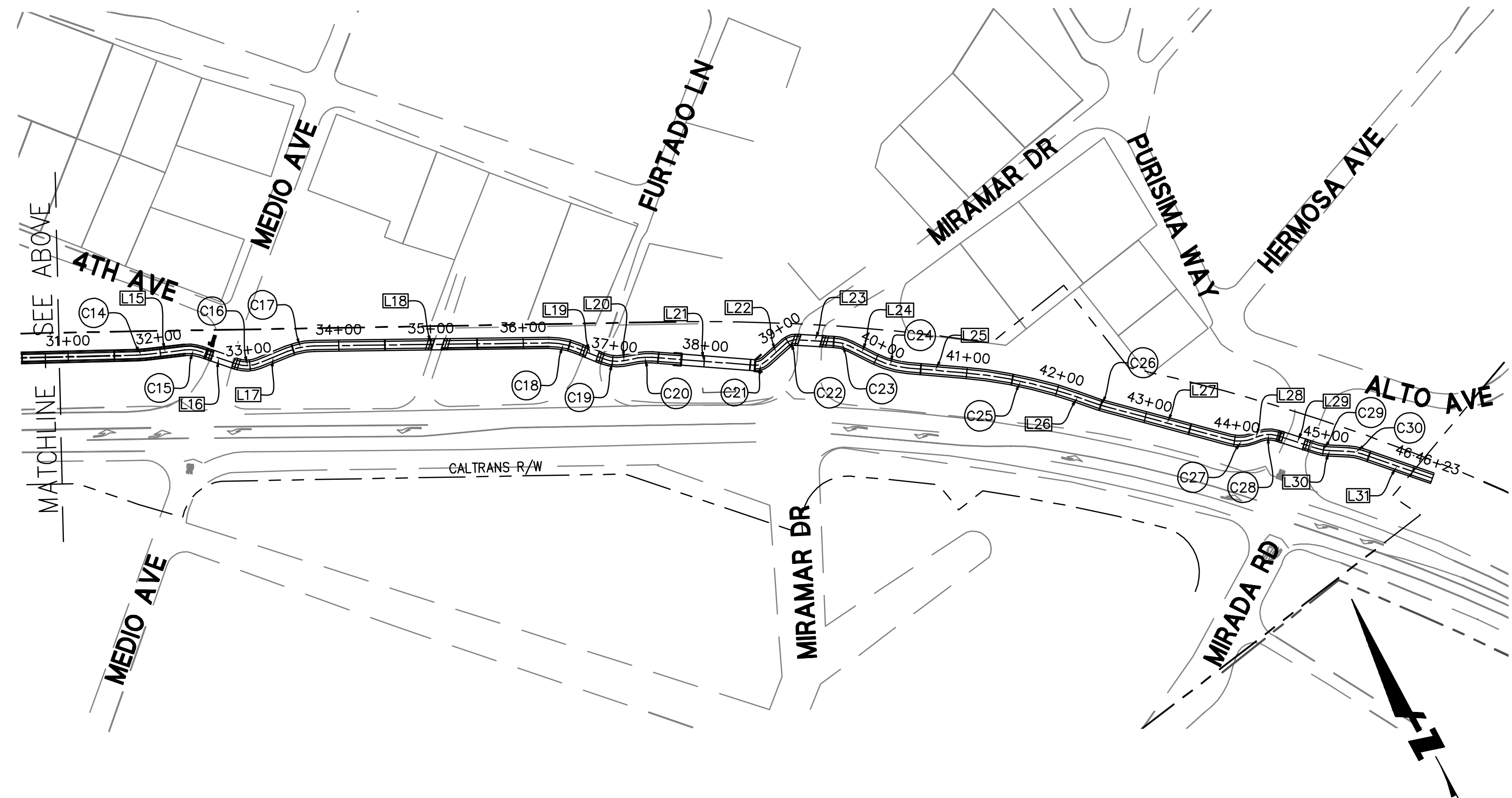
LINE TABLE		
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L28	7.52	S82°45'26"E
L29	44.75	S43°55'56"E
L30	21.34	S59°23'30"E
L31	80.75	S42°47'07"E
L32	21.60	S26°13'05"W
L33	148.38	N82°34'50"W
L34	148.38	N42°53'46"W
L35	20.47	N27°15'42"E

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C1	4.68	10.00	026°48'53"
C2	5.52	5.00	063°17'29"
C3	7.93	5.00	090°50'10"
C4	19.13	40.00	027°24'02"
C5	38.03	80.00	027°14'01"
C6	1.46	500.00	000°10'01"
C7	60.73	80.00	043°29'44"
C8	58.05	40.00	083°09'16"
C9	20.75	30.00	039°37'38"

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C10	19.86	30.00	037°56'13"
C11	84.18	128.50	037°32'07"
C12	54.24	100.00	031°04'44"
C13	42.37	80.00	030°20'33"
C14	9.56	100.00	005°28'34"
C15	18.02	40.00	025°48'19"
C16	25.27	35.00	041°22'20"
C17	30.14	80.00	021°35'15"
C18	31.71	80.00	022°42'31"

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C19	22.65	40.00	032°26'25"
C20	15.55	60.00	014°51'04"
C21	12.10	15.00	046°11'58"
C22	11.78	15.00	045°00'00"
C23	18.46	45.00	023°30'26"
C24	38.14	100.00	021°51'04"
C25	127.24	510.00	014°17'40"
C26	5.78	80.00	004°08'22"
C27	25.08	40.00	035°55'40"

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C28	20.33	30.00	038°49'30"
C29	13.49	50.00	015°27'34"
C30	14.49	50.00	016°36'23"
C31	24.85	20.00	071°12'05"
C32	76.19	110.00	039°41'04"
C33	24.85	20.00	071°12'05"



NOTE:
 CALLOUTS ARE TO TRAIL CENTERLINE.



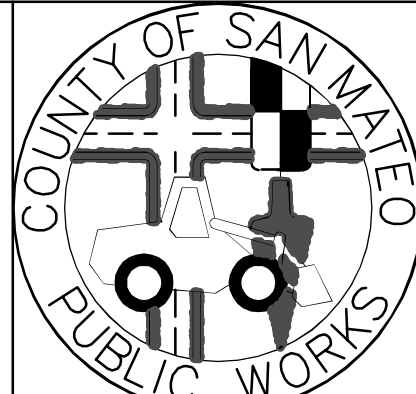
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APPROVED DATE: _____

JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
 R.C.E. # 59567 / EXPIRES 12-31-2019

BKF
 ENGINEERS / SURVEYORS / PLANNERS

255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: 1" = 100'
CHECKED BY: JM	HORIZONTAL CONTROL PLAN	DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	C-400
REVISION	DATE	SHEET 18 OF 36

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

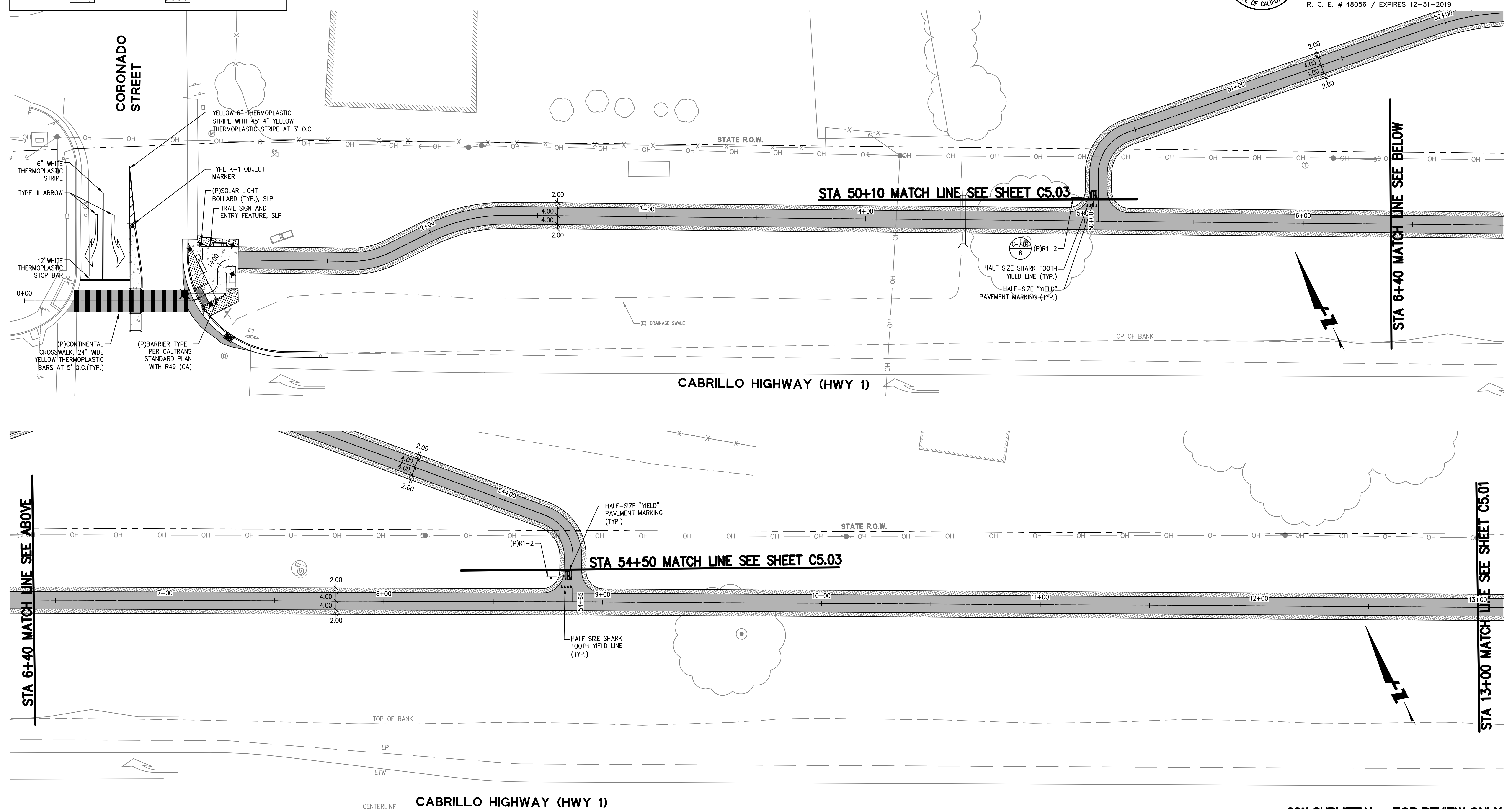
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 PLOT SCALE: 1" = 100'

LEGEND:

AC PAVEMENT	DC SHOULDER	LANDSCAPING
CONCRETE PAVEMENT		

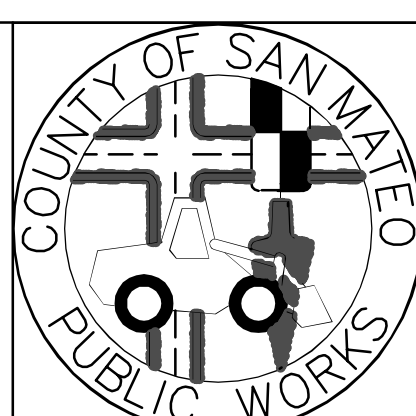


APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

BKF
 ENGINEERS / SURVEYORS / PLANNERS
 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300

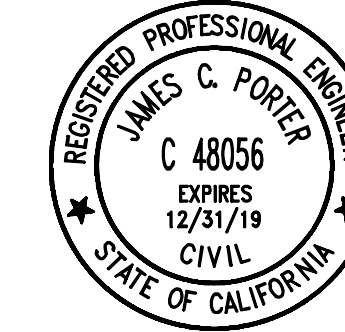


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL SIGNING AND STRIPING PLANS STA 0+00 TO STA 13+00	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
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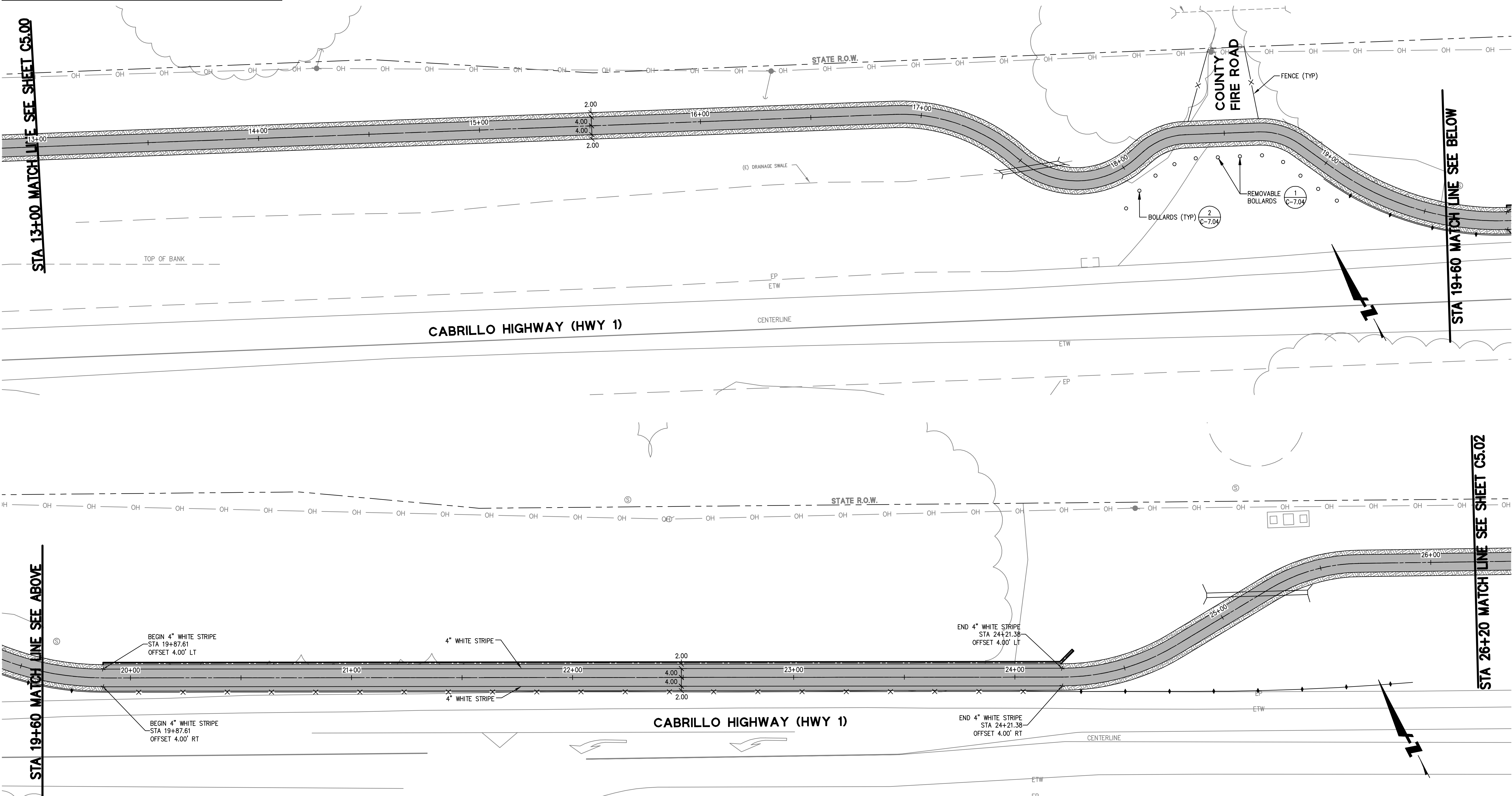
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 SHEET: 19 OF 36
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LEGEND:

AC PAVEMENT		DG SHOULDER	
CONCRETE PAVEMENT		LANDSCAPING	



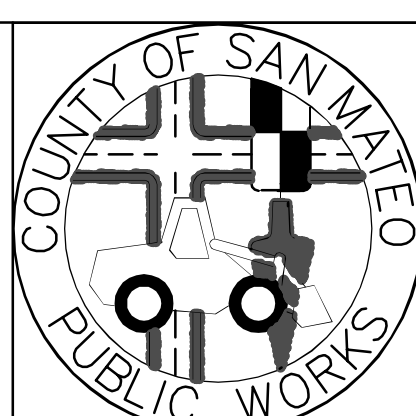
APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



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APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

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 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL SIGNING AND STRIPING PLAN STA 13+00 TO STA 26+20	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		C-501 SHEET 20 OF 36

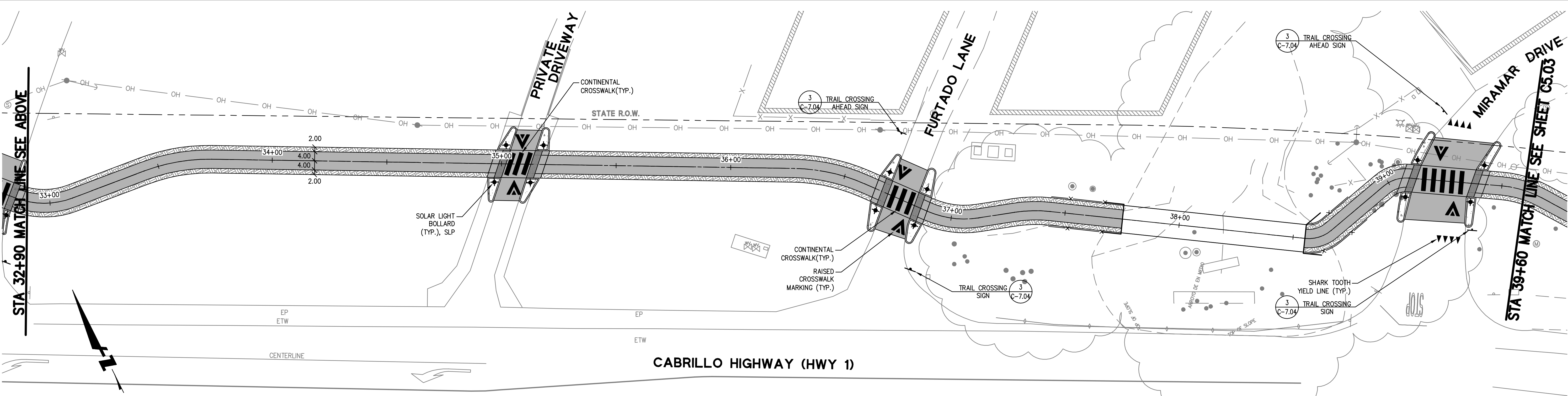
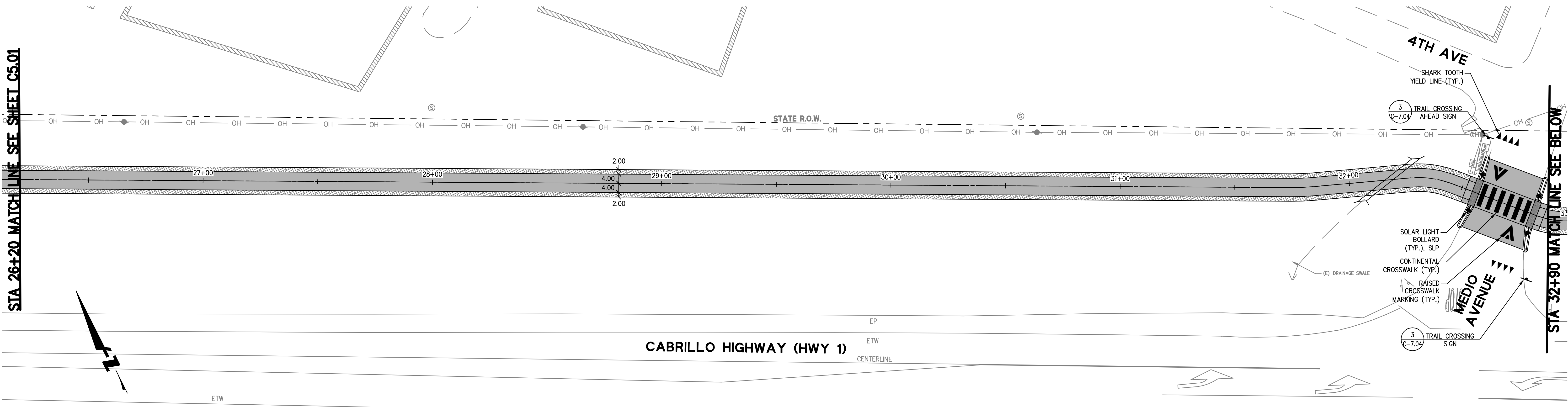
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LEGEND:

AC PAVEMENT	DC SHOULDER
CONCRETE PAVEMENT	LANDSCAPING



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

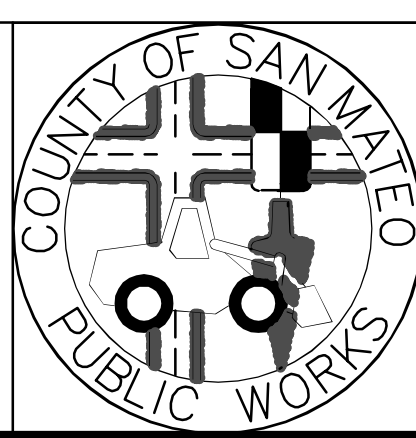


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JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

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 ENGINEERS / SURVEYORS / PLANNERS
 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL SIGNING AND STRIPING PLAN STA 26+20 TO STA 39+60	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
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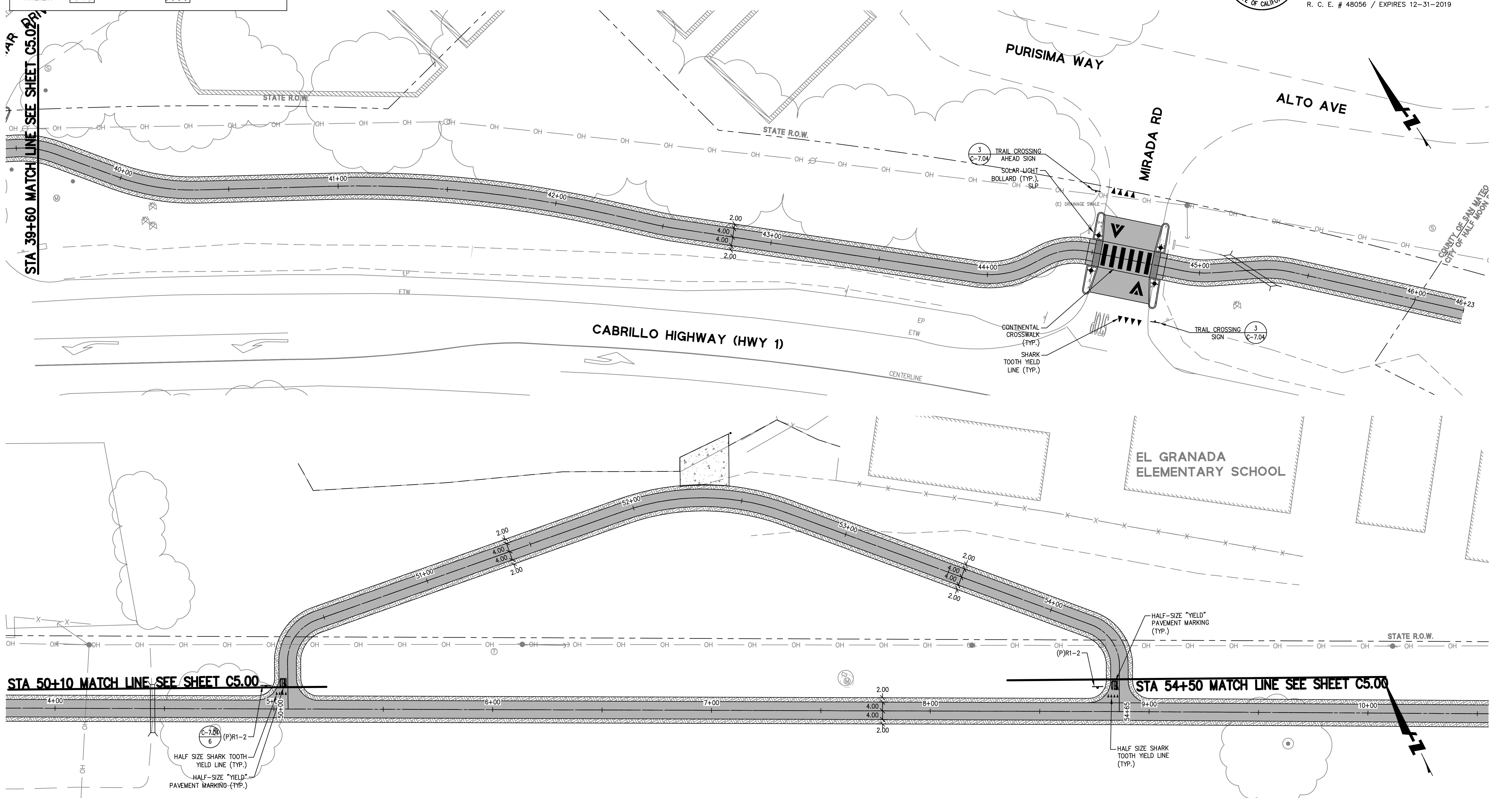
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LEGEND:

AC PAVEMENT	DC SHOULDER
CONCRETE PAVEMENT	LANDSCAPING



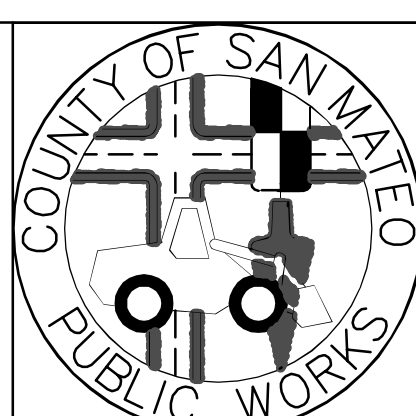
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 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



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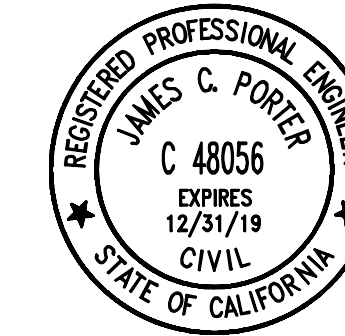
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

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 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL SIGNING AND STRIPING PLAN STA 39+60 TO STA 54+50	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
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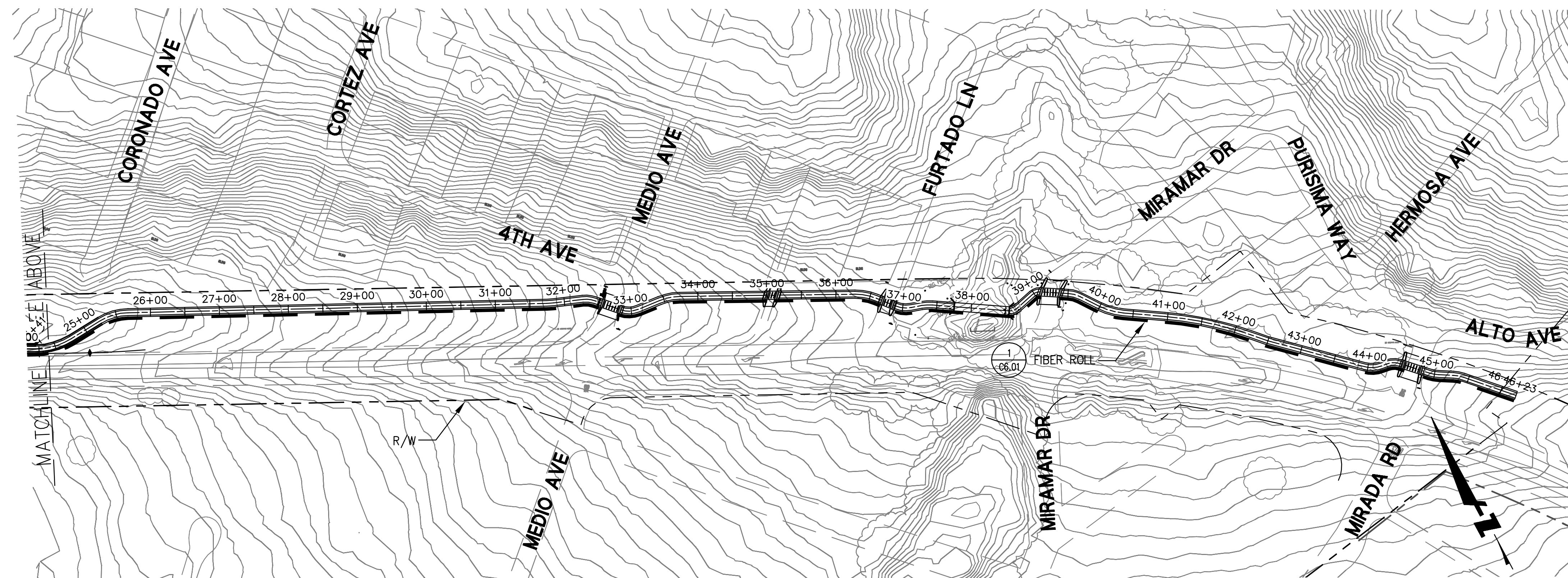
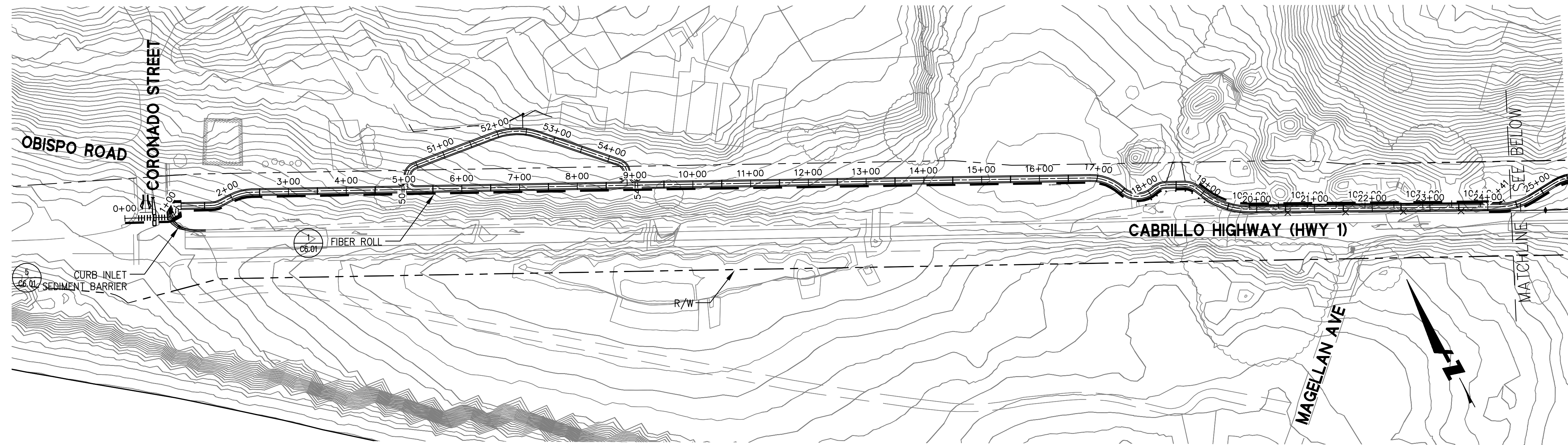
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APPROVED: _____

DATE: _____

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2019

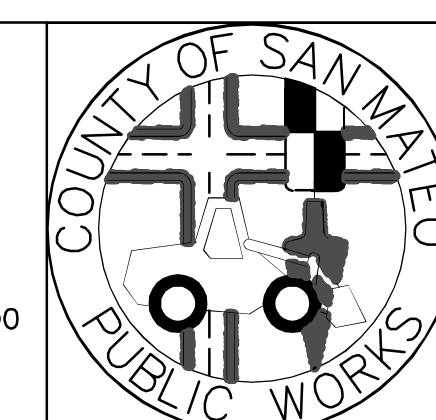


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APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

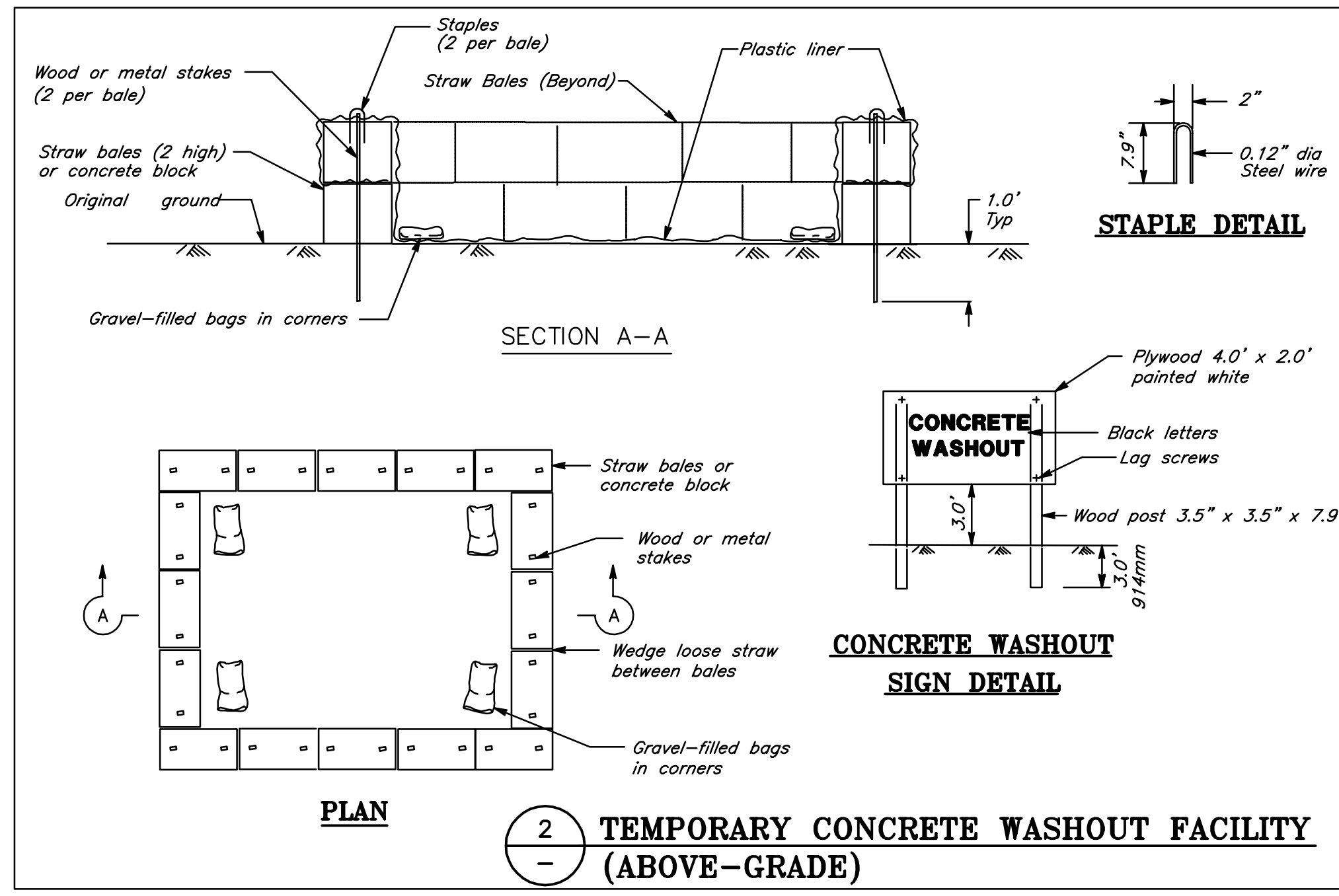
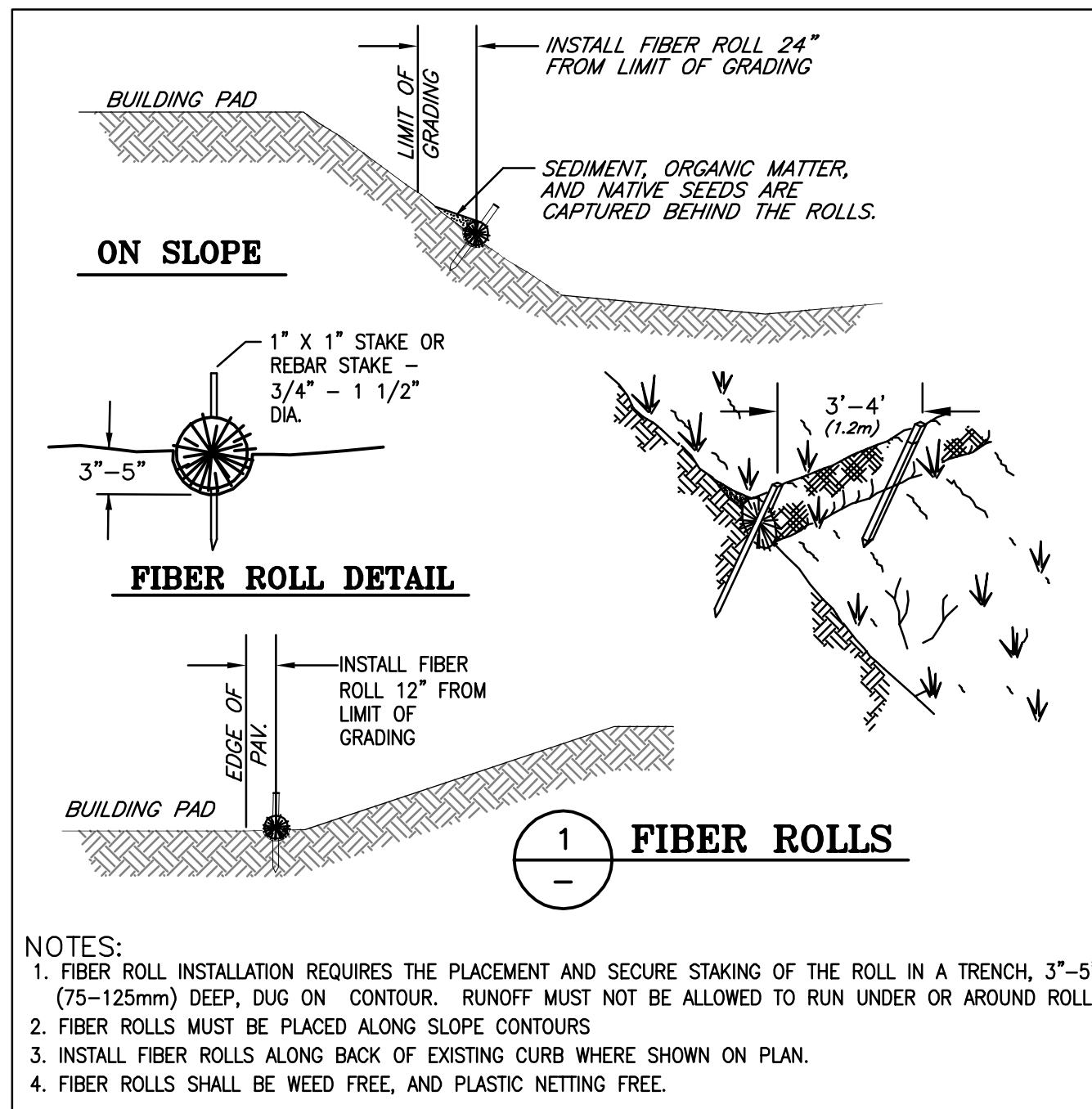
BKF
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255 SHORELINE DRIVE, SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300



DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: 1" = 100'
CHECKED BY: JM	EROSION CONTROL PLAN	DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-600 SHEET 23 OF 36

DRAWING NAME: C:\Users\jman\OneDrive\Documents\Projects\60% SUBMITTAL\EROSION CONTROL PLAN.dwg
PLOT TIME: 01-30-18 10:58:18 AM

EROSION CONTROL DETAILS



URBAN ROADWAY EROSION PREVENTION AND SEDIMENT CONTROL NOTES

1. PERFORM EROSION PREVENTION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE LATEST EDITION OF APPENDIX CHAPTER 33 OF THE CALIFORNIA BUILDING CODE, APPLICABLE SAN MATEO COUNTY REGULATIONS, AND SECTION 20 OF THE CALTRANS STANDARD SPECIFICATIONS.

2. THE APPROVED PLANS SHALL CONFORM WITH THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES CONTAINED IN THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS OR AN EQUIVALENT BEST MANAGEMENT PRACTICE:

STORMWATER MANAGEMENT PLAN BY THE SAN MATEO COUNTYWIDE STORMWATER POLLUTION PREVENTION PROGRAM.
 EROSION AND SEDIMENT CONTROL FIELD MANUAL BY THE SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD.
 MANUAL OF STANDARDS FOR EROSION & SEDIMENT CONTROL MEASURES BY THE ASSOCIATION OF BAY AREA GOVERNMENTS.
 CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL BY CALTRANS.
 STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION.

3. IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED HEREIN OR THE MANUFACTURER'S RECOMMENDATIONS, THEN THE MOST PROTECTIVE SHALL APPLY.

4. THE OWNER IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT NO. CAS000002 WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY DISTURBING LAND EQUAL TO OR GREATER THAN ONE ACRE. CONSTRUCTION ACTIVITIES INCLUDE BUT ARE NOT LIMITED TO CLEARING, GRADING, EXCAVATION, STOCKPILING, AND RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.

5. PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE.

6. THE OWNER IS RESPONSIBLE FOR PREVENTING STORM WATER POLLUTION GENERATED FROM THE CONSTRUCTION SITE YEAR ROUND. THE OWNER MUST IMPLEMENT AN EFFECTIVE COMBINATION OF EROSION PREVENTION AND SEDIMENT CONTROL ON ALL DISTURBED AREAS DURING THE RAINY SEASON (OCTOBER 15 - APRIL 15).

7. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER BEFORE FORECASTED STORM EVENTS AND AFTER ACTUAL STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. STORM EVENTS PRODUCE AT LEAST 1" INCH OF PRECIPITATION IN A 24 HOUR PERIOD. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.

8. CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS. CHANGES SHALL BE NOTED ON THE PLAN WHEN MADE.

9. DISCHARGES OF POTENTIAL POLLUTANTS FROM CONSTRUCTION SITES SHALL BE PREVENTED USING SOURCE CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT, TRASH, NUTRIENTS, PATHOGENS, PETROLEUM HYDROCARBONS, METALS, CONCRETE, CEMENT, ASPHALT, LIME, PAINT, STAINS, GLUES, WOOD PRODUCTS, PESTICIDES, HERBICIDES, CHEMICALS, HAZARDOUS WASTE, SANITARY WASTE, VEHICLE OR EQUIPMENT WASH WATER AND CHLORINATED WATER.

10. ENTRANCE(S) TO THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF POTENTIAL POLLUTANTS OFFSITE. POTENTIAL POLLUTANTS DEPOSITED ON PAVED AREAS WITHIN THE CITY RIGHT-OF-WAY, SUCH AS ROADWAYS AND SIDEWALKS, SHALL BE PROPERLY DISPOSED OF AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY AS NECESSARY.

11. THE OWNER SHALL PROTECT STORM DRAIN INLETS FROM POTENTIAL POLLUTANTS UNTIL DRAINAGE CONVEYANCE SYSTEMS ARE FUNCTIONAL AND CONSTRUCTION HAS BEEN COMPLETED.

12. ENERGY DISSIPATORS SHALL BE INSTALLED AT CONCENTRATED STORM DRAIN RUNOFF LOCATIONS WHICH MAY CONVEY STORM WATER FLOW LEADING TO SOIL EROSION.

13. SOIL AND MATERIAL STOCKPILES SHALL BE PROPERLY PROTECTED TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.

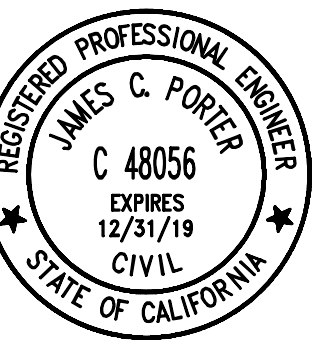
14. SOLID WASTE, SUCH AS TRASH, DISCARDED BUILDING MATERIALS AND DEBRIS, SHALL BE PLACED IN DESIGNATED COLLECTION AREAS OR CONTAINERS. THE CONSTRUCTION SITE SHALL BE CLEARED OF SOLID WASTE DAILY, OR AS NECESSARY, AND REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE ARRANGED.

15. A CONCRETE WASHOUT AREA, SUCH AS A TEMPORARY PIT, SHALL BE DESIGNATED TO CLEAN CONCRETE TRUCKS AND TOOLS. AT NO TIME SHALL CONCRETE PRODUCTS AND WASTE BE ALLOWED TO ENTER WATERWAYS SUCH AS CREEKS OR STORM DRAINS.

16. PROPER APPLICATION, CLEANING AND STORAGE OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS PAINTS AND CHEMICALS, SHALL BE CONDUCTED TO PREVENT THE DISCHARGE OF POLLUTANTS.

17. WHEN UTILIZED, TEMPORARY RESTROOMS AND SANITARY FACILITIES SHALL BE LOCATED AND MAINTAINED TO PREVENT THE DISCHARGE OF POLLUTANTS.

18. APPROPRIATE VEHICLE STORAGE, FUELING, MAINTENANCE AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.



APPROVED:

DATE:

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

SUPPLEMENTAL EROSION CONTROL NOTES

1. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SEDIMENT STORM RUN-OFF FROM LEAVING THE SITE. FIBER ROLLS AND SAND BAGS SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT BARRIERS SHOWN.

2. AS THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLICLY AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH WORKING DAY. EROSION CONTROL MEASURES ARE REQUIRED DURING THE WET SEASON, STARTING OCTOBER 1 OF EACH YEAR. EROSION CONTROL FACILITIES SHALL BE MAINTAINED DAILY UNTIL APRIL 15.

3. THE NAME OF THE PERSON RESPONSIBLE FOR THE DAILY MAINTENANCE OF THESE FACILITIES SHALL BE ON RECORD WITH THE COUNTY OF SAN MATEO ALONG WITH A PHONE NUMBER WHERE THEY CAN BE REACHED 24 HOURS A DAY. THESE FACILITIES SHALL CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND PROVIDE FOR THE SAFE DISCHARGE OF SILT-FREE STORM WATER INTO EXISTING AND PROPOSED STORM DRAIN FACILITIES. DESIGN OF THESE FACILITIES MUST BE APPROVED AND UPDATED EACH YEAR PRIOR TO SEPTEMBER 30 BY THE ENGINEER.

4. AS THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL SUB-CONTRACTORS, AND SUPPLIERS ARE AWARE OF ALL STORM WATER QUALITY MEASURES & IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS AND/OR A PROJECT STOP ORDER.

5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE YEAR-ROUND OR UNTIL DISTURBED AREAS ARE STABILIZED.

6. DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT RUNOFF TO ANY STORM DRAIN SYSTEM.

7. AS THE OWNER'S REPRESENTATIVE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT ALL EROSION CONTROL FACILITIES AND REPAIR ANY DAMAGED FACILITIES BY THE END OF THE WORK DAY DURING THE RAINY SEASON.

8. BORROW AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES, ETC.) TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM. REFER TO EROSION CONTROL AND SEDIMENT CONTROL FIELD MANUAL, 3RD EDITION, PREPARED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SAN FRANCISCO BAY REGION.

9. ALL DIRT PILES AND HAUL TRUCKS SHALL BE COVERED.

10. DURING PERIODS WHEN STORMS ARE FORECAST -

- EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS.
- ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY.
- WHERE STOCKPILING IS NECESSARY, USE A TARPULIN OR SURROUND THE STOCKPILED MATERIAL WITH STRAW BALES, FIBER ROLL, OR OTHER RUNOFF CONTROLS.
- USE INLET CONTROLS (E.G. FIBER MAT) FOR STORM DRAINS ADJACENT TO THE STOCKPILED SOIL.
- THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION AND PLACEMENT.

11. DURING PERIODS WHEN STORMS ARE NOT FORECAST -

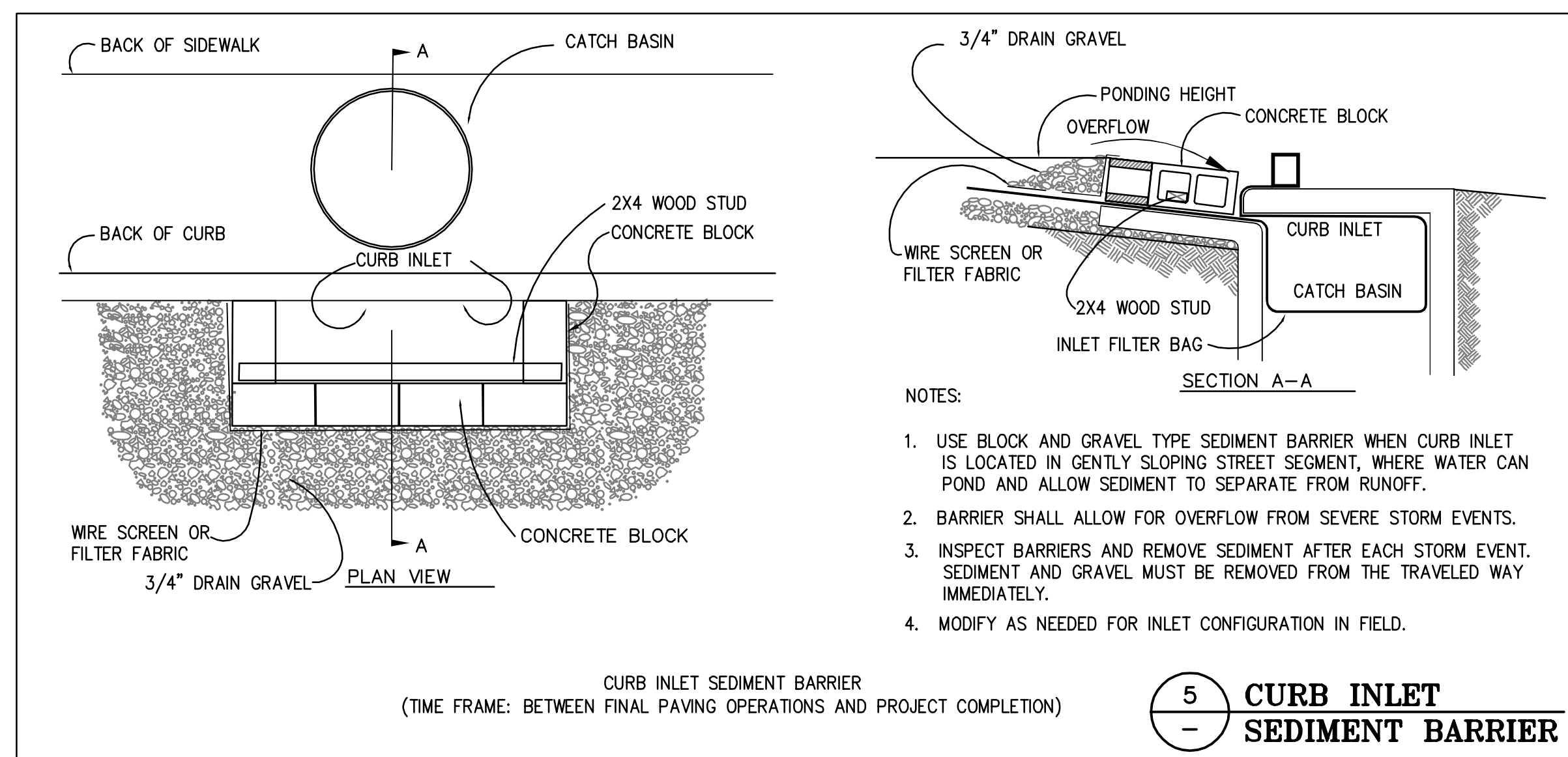
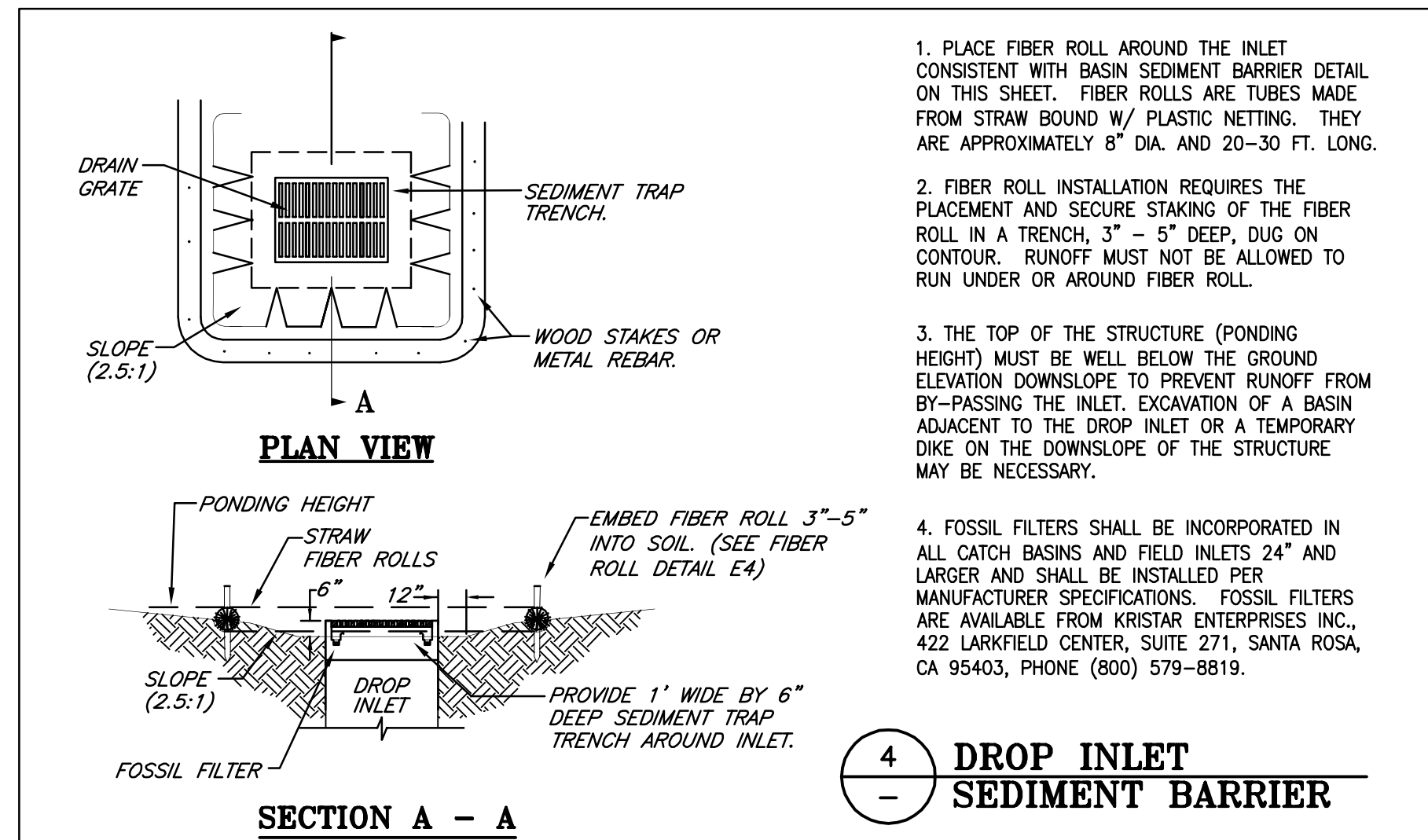
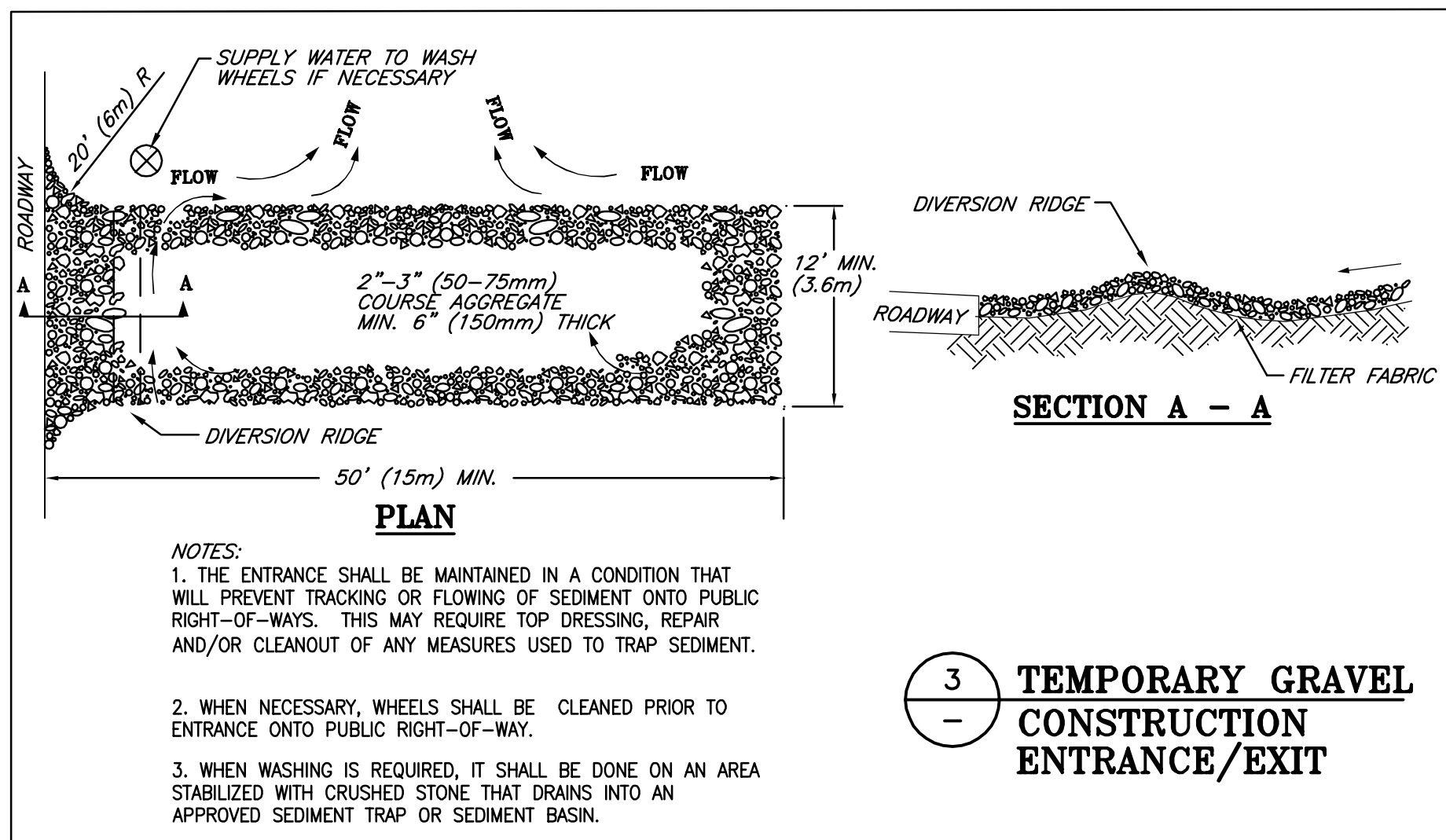
- PREVENT STOCKPILED MATERIAL FROM ENTERING THE STORM DRAIN SYSTEM
- THOROUGHLY REMOVE LOOSE SOIL VIA SWEEPING FOLLOWING REMOVAL OF DIRT.

12. DRAINAGE INLET SEDIMENT BARRIERS SHALL BE INSTALLED AS SOON AS THE STORM DRAINAGE SYSTEM IS INSTALLED.

13. PRIOR TO PAVING, FIBER ROLLS SHALL BE INSTALLED AROUND EACH DROP INLET AND CURB INLET PER DETAIL 1. AFTER PAVING IS COMPLETE AROUND EACH DROP INLET, BLOCK AND GRAVEL SEDIMENT BARRIERS SHALL BE INSTALLED AROUND THE DROP INLETS AND CURB INLETS PER DETAIL 2 UNTIL ALL EXPOSED EARTHEN AREAS HAVE BEEN STABILIZED AND THE ROADWAY FACILITY IS OPERATIONAL.

14. THE LOCATIONS OF THE TEMPORARY CONCRETE WASHOUT FACILITY AND TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT CAN BE DECIDED BY THE CONTRACTOR UPON APPROVAL BY THE COUNTY OF SAN MATEO.

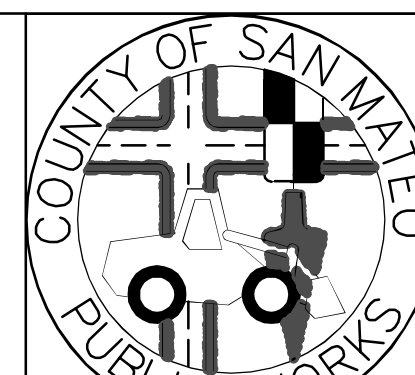
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APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2019	

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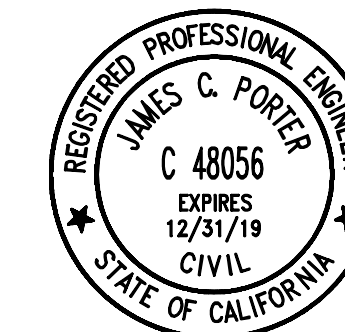
255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



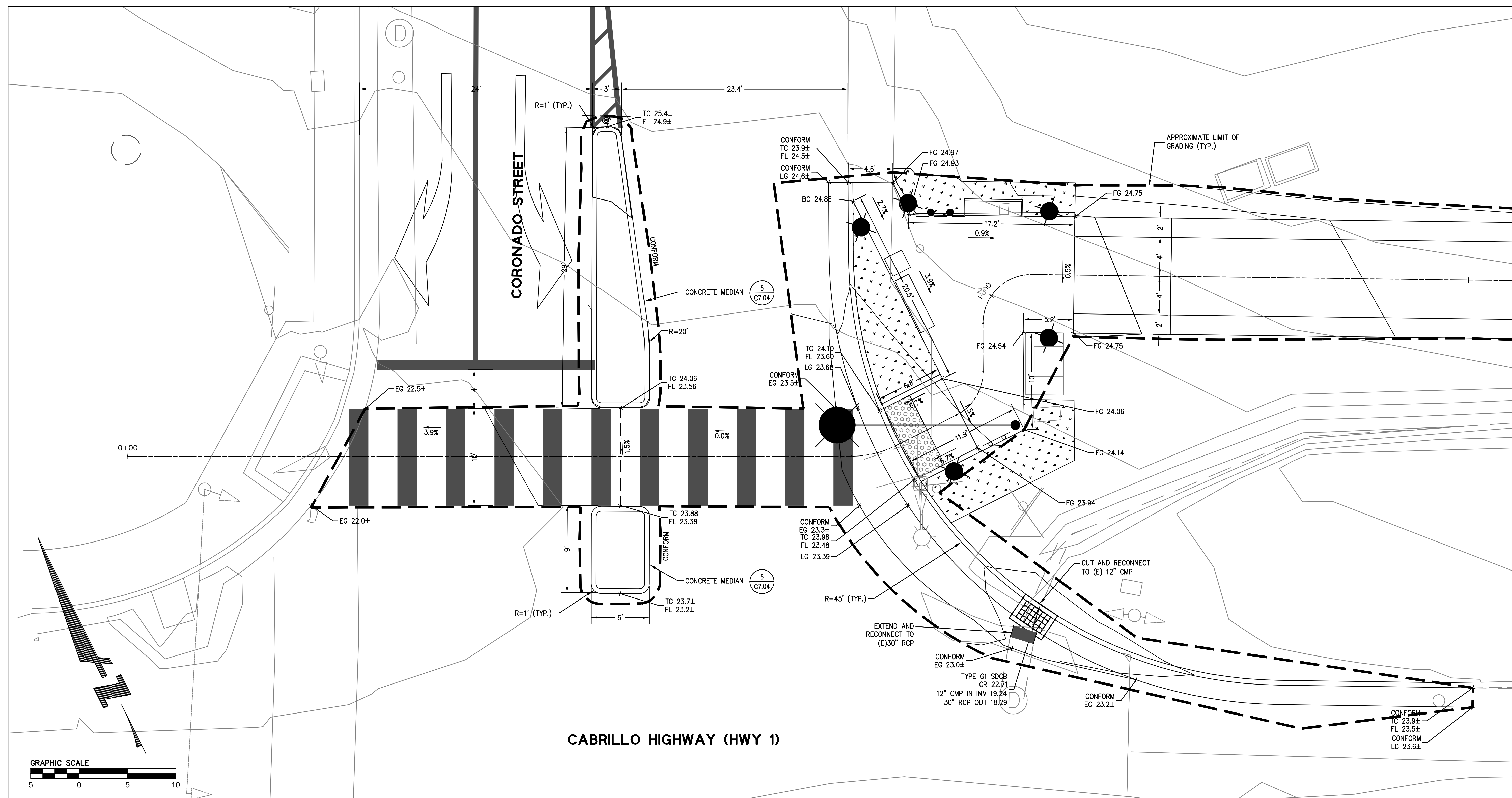
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REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-601
0 1 2 3 4		SHEET 24 OF 36



DRAWING NAME: 01-20-18 DATE: 01-31-18



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



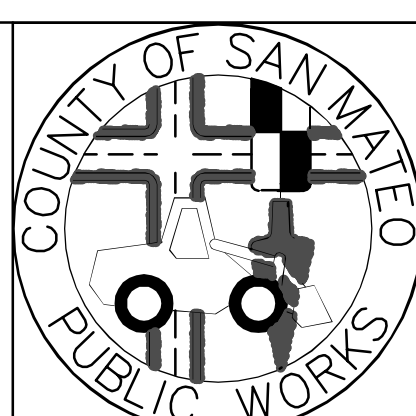
1 CORONADO INTERSECTION
 SCALE: 1" = 5'

NOTE:
 1. REFER TO PLANS FOR SPECIFIC LAYOUT CONDITIONS.
 2. REFER TO SIGNING AND STRIPING PLANS FOR ADDITIONAL INFORMATION.
 3. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

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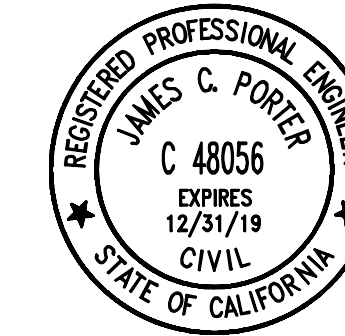
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JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
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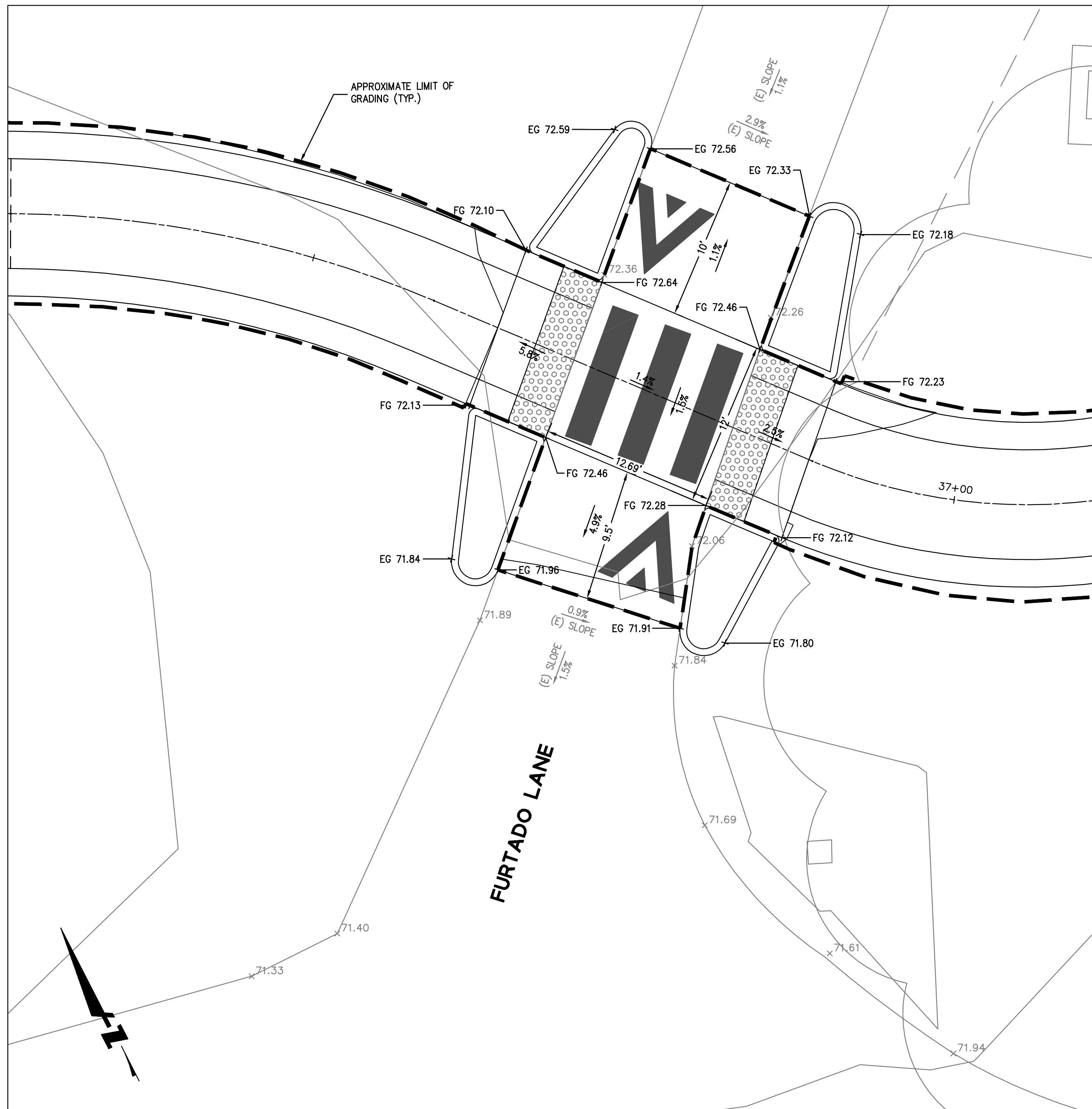


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CHECKED BY: JM	DETAILS	DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
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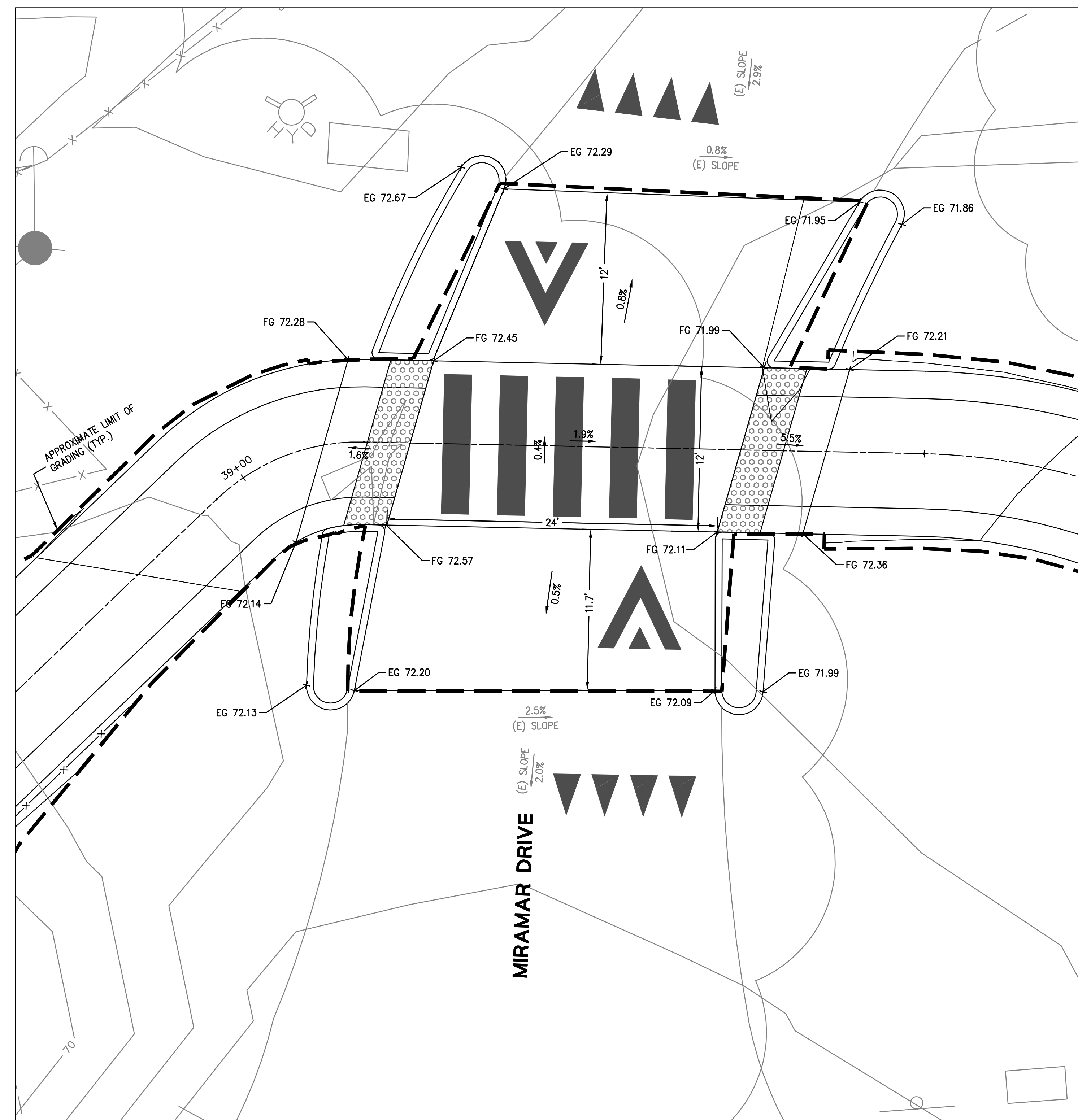
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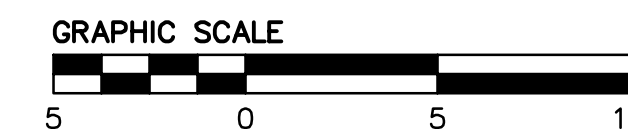
APPROVED: _____
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1 FURTADO LANE RAISED CROSSING
 SCALE: 1" = 5'



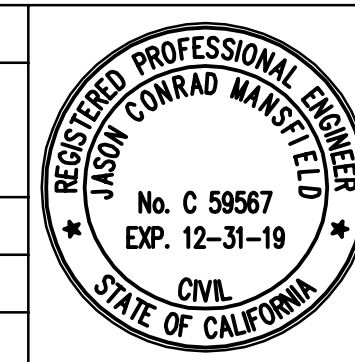
2 MIRAMAR DRIVE RAISED CROSSING
 SCALE: 1" = 5'



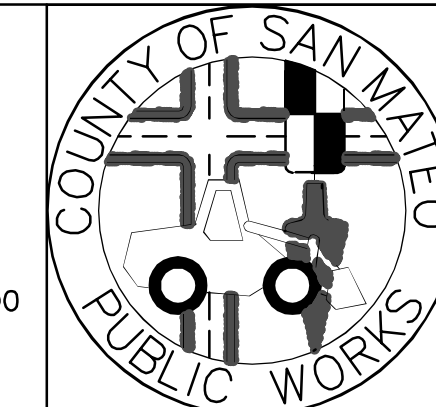
NOTE:
 1. REFER TO PLANS FOR SPECIFIC LAYOUT CONDITIONS.
 2. REFER TO SIGNING AND STRIPING PLANS FOR ADDITIONAL INFORMATION.

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 JASON MANSFIELD, PROJECT MANAGER
 BKF ENGINEERS
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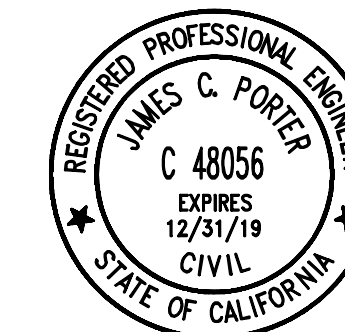


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CHECKED BY: JM	DETAILS	DATE: 1/31/2018
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REVISION	DATE	C-702 SHEET 27 OF 36

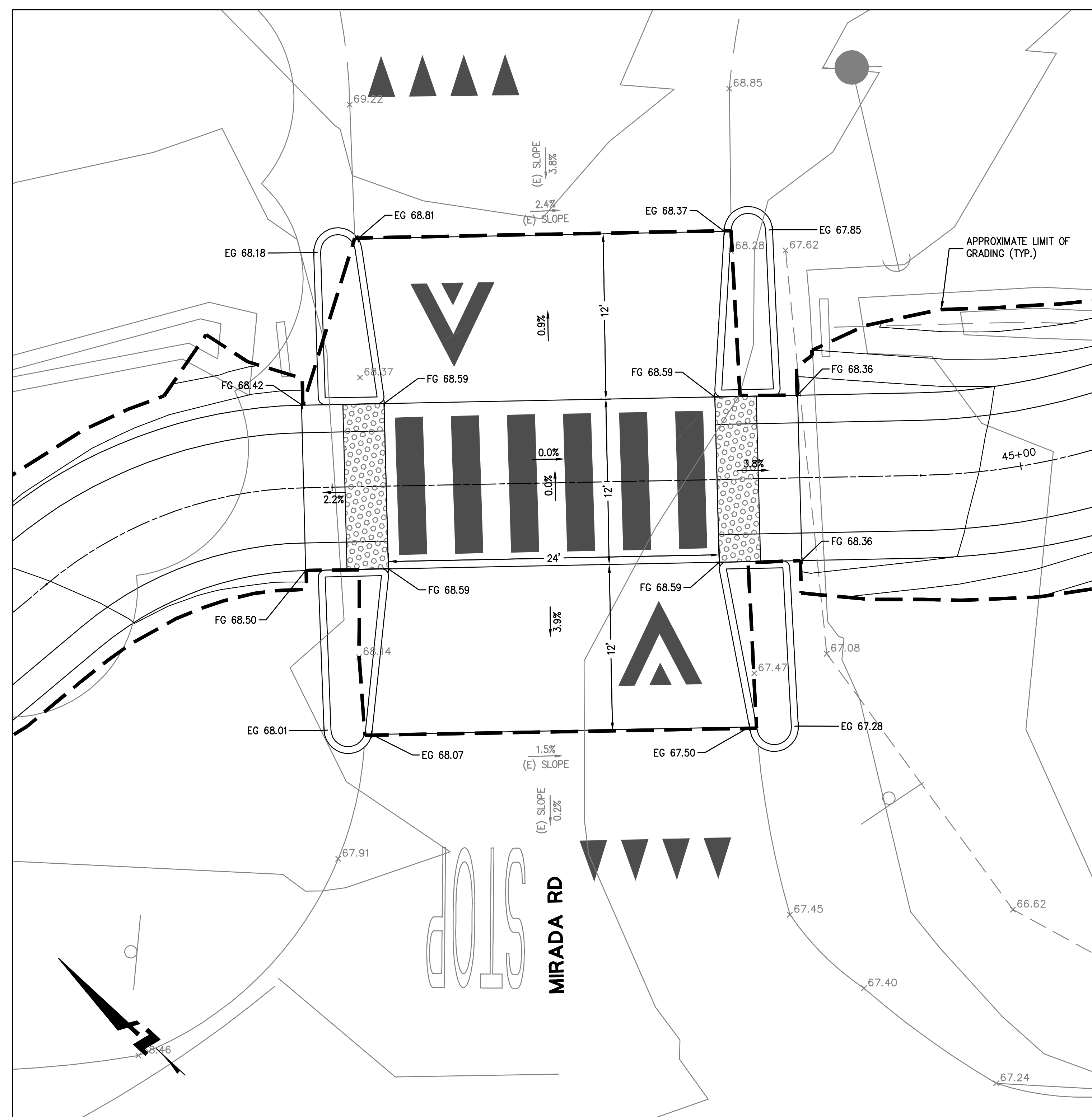
FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES



DRAWING NAME: 01-31-18
 PLOT TIME: 01-31-18



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 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



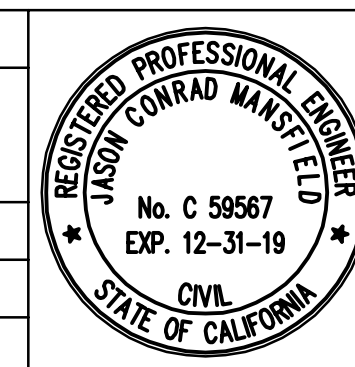
1 MIRADA ROAD RAISED CROSSING
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NOTE:
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 2. REFER TO SIGNING AND STRIPING PLANS FOR ADDITIONAL INFORMATION.

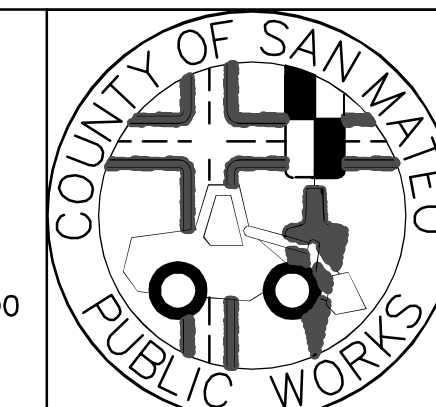


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 JASON MANSFIELD, PROJECT MANAGER
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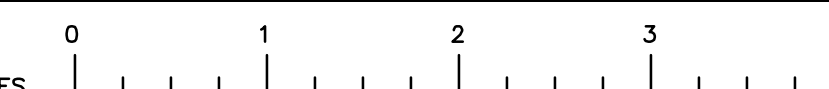


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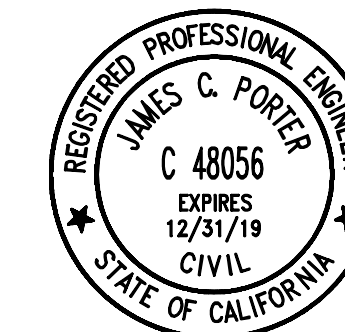
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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	C-7.03 SHEET 28 OF 36

FOR REDUCED PLANS
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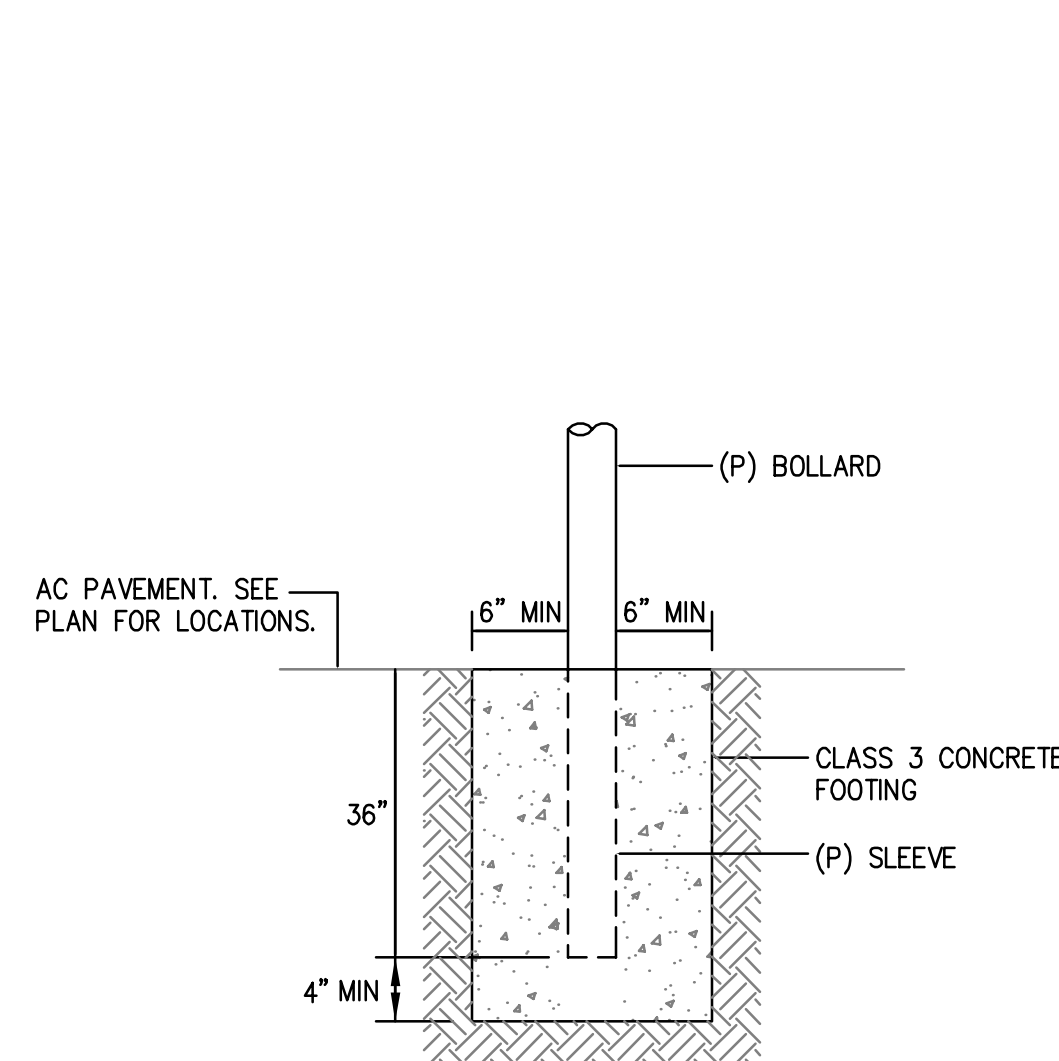


C-7.03
 SHEET 28 OF 36

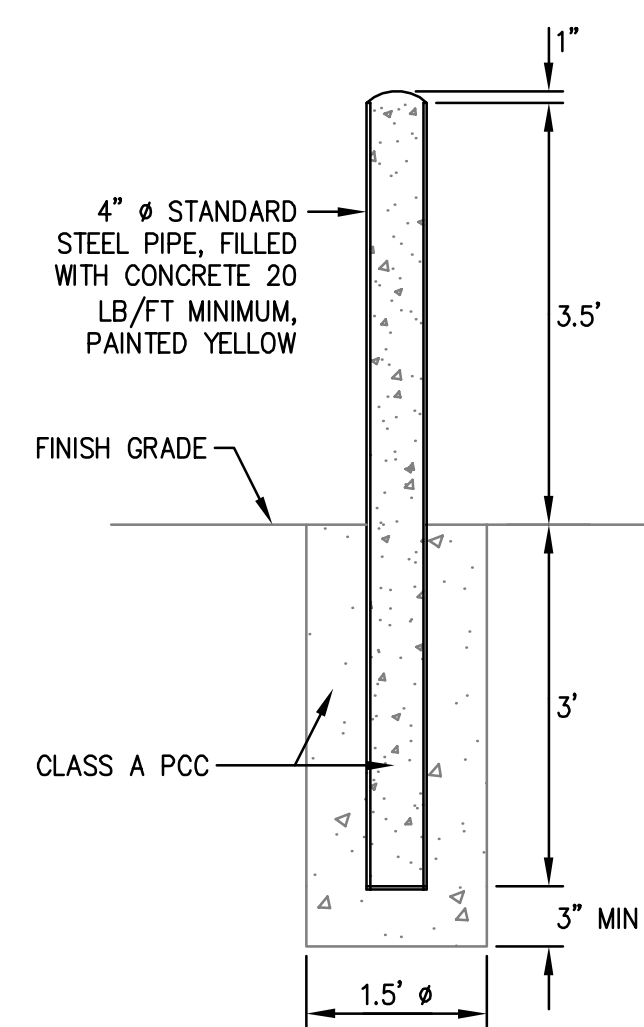
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 PLOT TIME: 01-31-18



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



1 - REMOVABLE BOLLARD CONCRETE FOOTING
 NTS



2 - BOLLARD
 NTS



W11-15

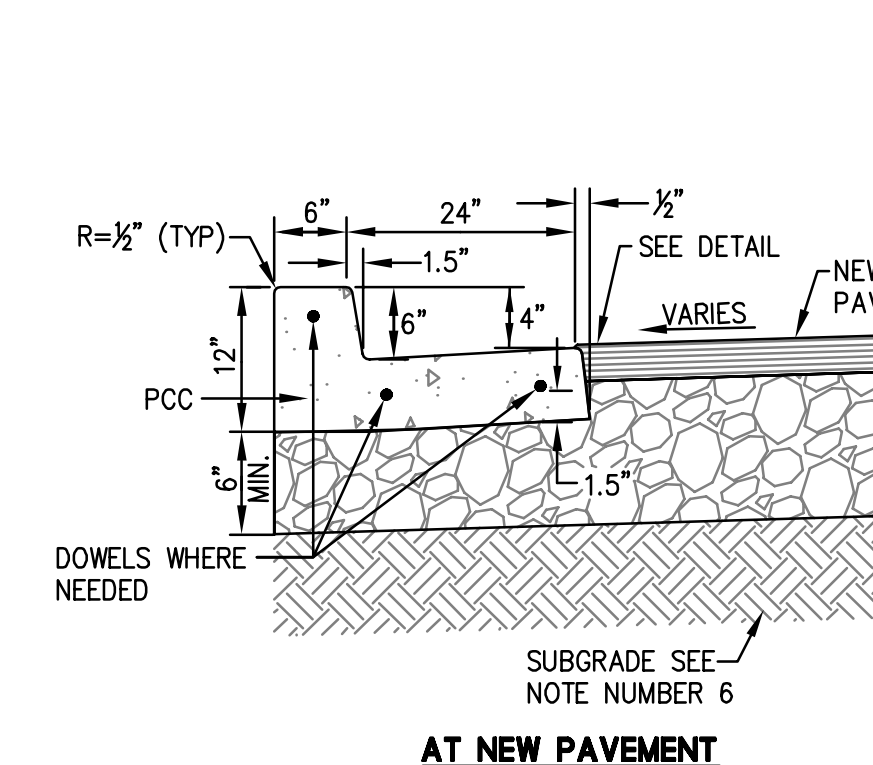


W11-15P

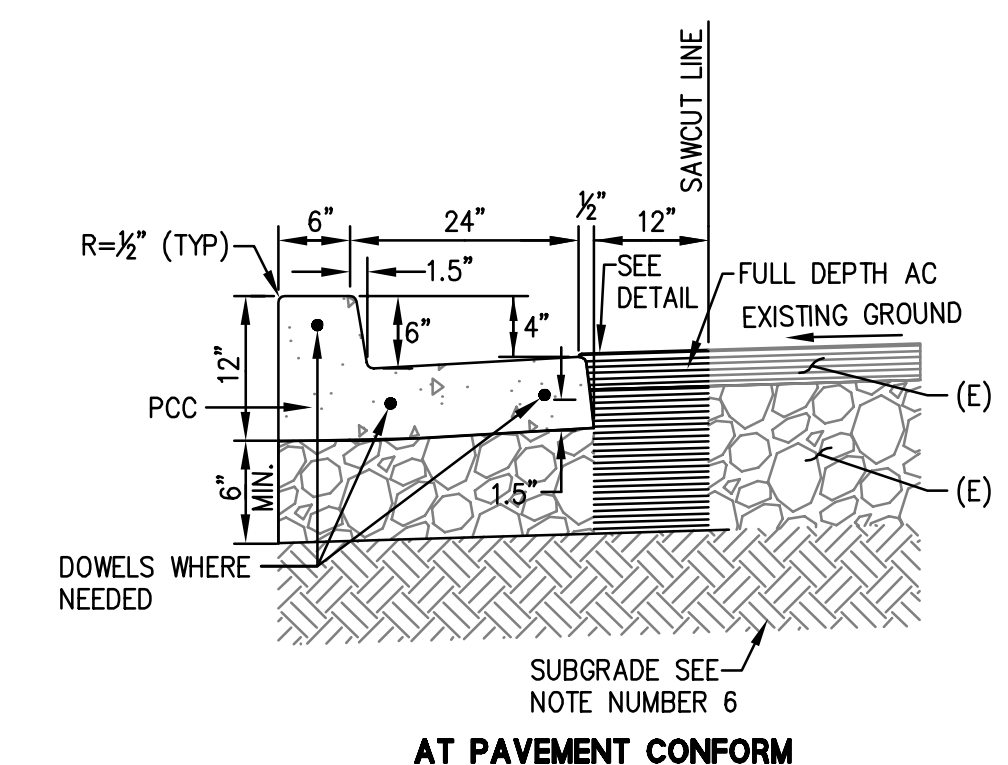


W16-7P

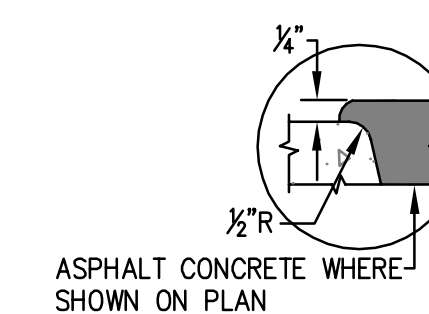
3 - TRAIL CROSSING (W11-15, W11-15P, & W16-7P)
 NTS



AT NEW PAVEMENT



AT PAVEMENT CONFORM

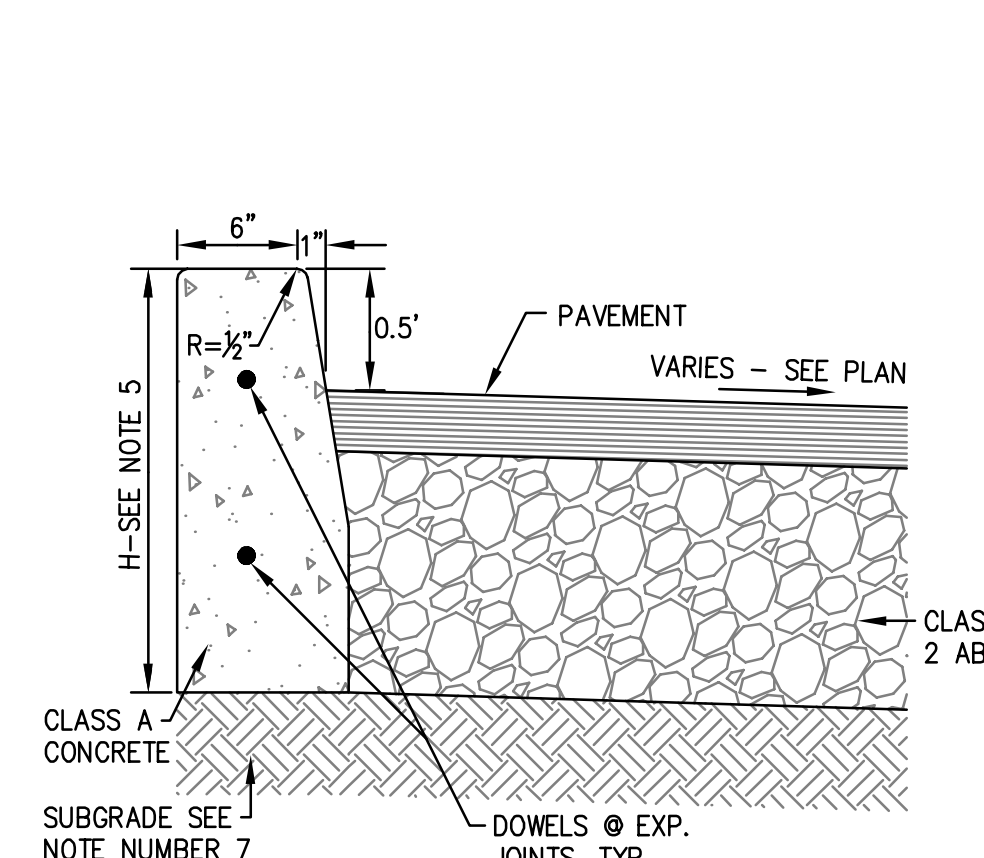


DETAIL

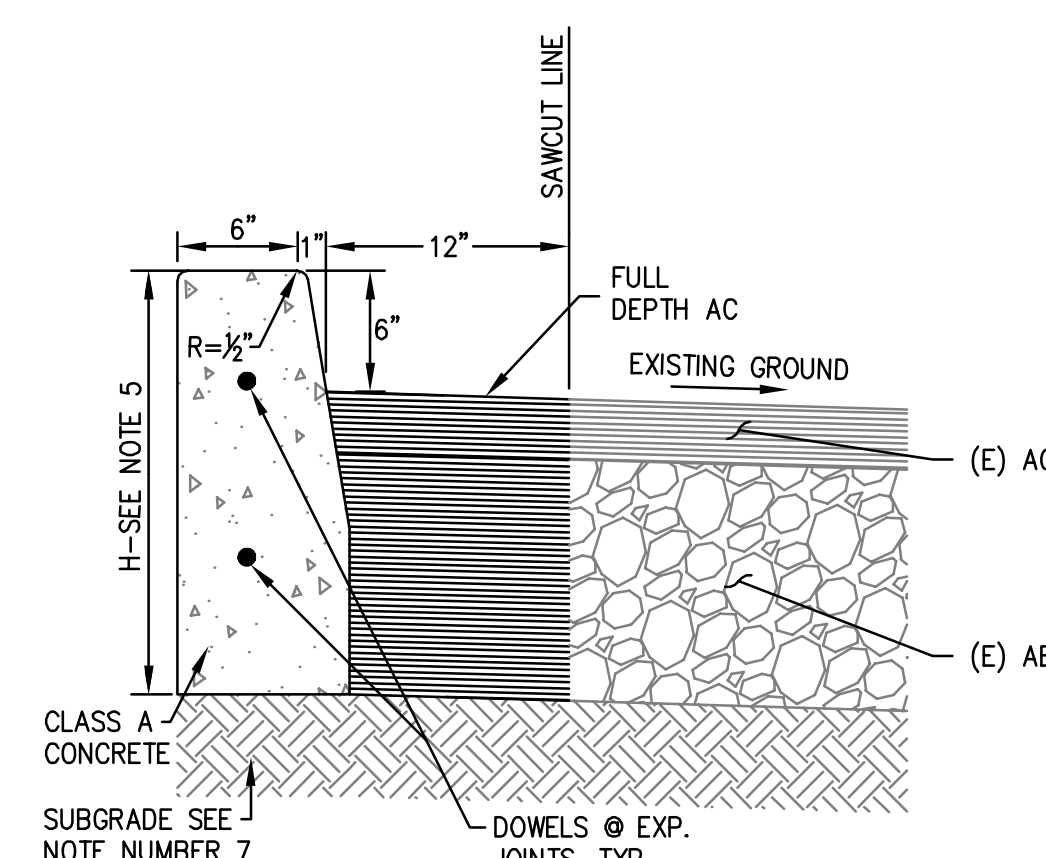
NOTES:

1. USE 1/2" WIDE EXPANSION JOINTS AT EACH END OF CURB RETURNS AND AT 20' CENTERS.
2. USE 1/2" DIAMETER X 24" LONG, SMOOTH CAPPED DOWELS AT EACH EXPANSION JOINT AND AT END OF POURS.
3. SET SCORE MARKS 1 1/2" TO 2" DEEP AT 20' CENTERS.
4. SURFACE FINISH TO BE LIGHT BROOMING.
5. DOWEL NEW CONC. CURB AND GUTTER INTO EXISTING.
6. UPPER 6" OF SUBGRADE TO BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION PER GEOTECHNICAL ENGINEER RECOMMENDATION
7. EXTRUDED CURB TO CONFORM TO CALTRANS STANDARD SPECIFICATION 73-1.05B.

4 - CURB AND GUTTER
 NTS



AT NEW PAVEMENT

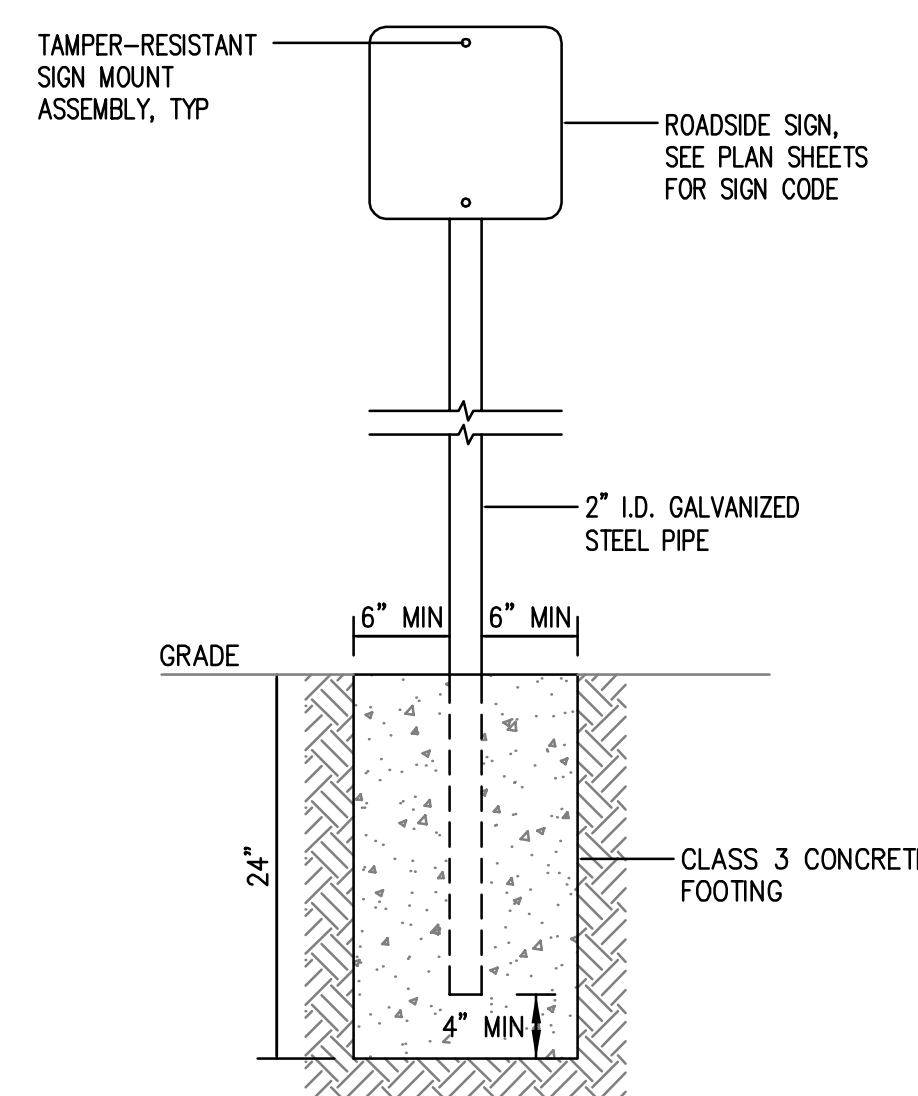


AT PAVEMENT CONFORM

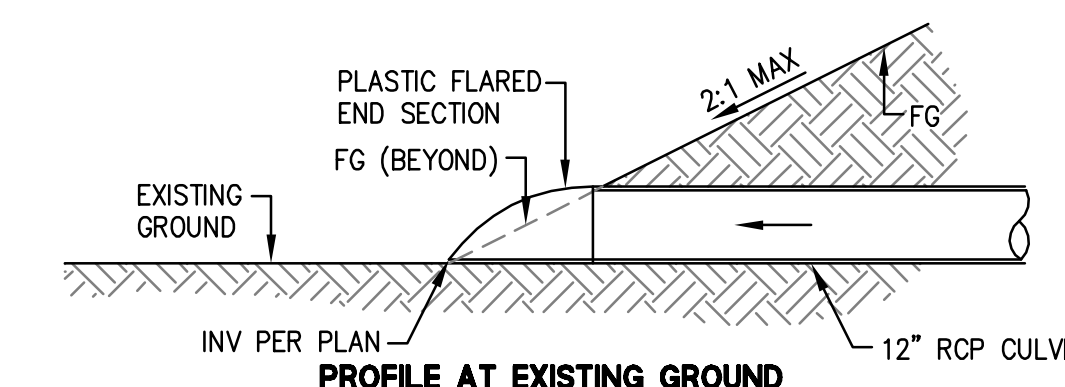
NOTES:

1. USE 1/2" WIDE EXPANSION JOINTS AT EACH END OF CURB RETURNS AND AT 20' CENTERS.
2. USE 1/2" DIAMETER X 12" LONG, SMOOTH CAPPED DOWELS AT EACH EXPANSION JOINT AND AT END OF POURS.
3. SET SCORE MARKS 1 1/2" TO 2" DEEP AT 20' CENTERS.
4. SURFACE FINISH TO BE LIGHT BROOMING.
5. THE OVERALL HEIGHT OF THE CURB, H, SHALL VARY ACCORDING TO THE DEPTH OF THE PAVEMENT SECTION. THE VERTICAL CURB SHALL EXTEND TO THE BOTTOM OF THE PAVEMENT SECTION, AS SHOWN.
6. DOWEL NEW CONC. CURB AND GUTTER INTO EXISTING.
7. UPPER 6" OF SUBGRADE TO BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION PER GEOTECHNICAL ENGINEER RECOMMENDATION
8. EXTRUDED CURB TO CONFORM TO CALTRANS STANDARD SPECIFICATION 73-1.05B.

5 - VERTICAL CURB
 NTS



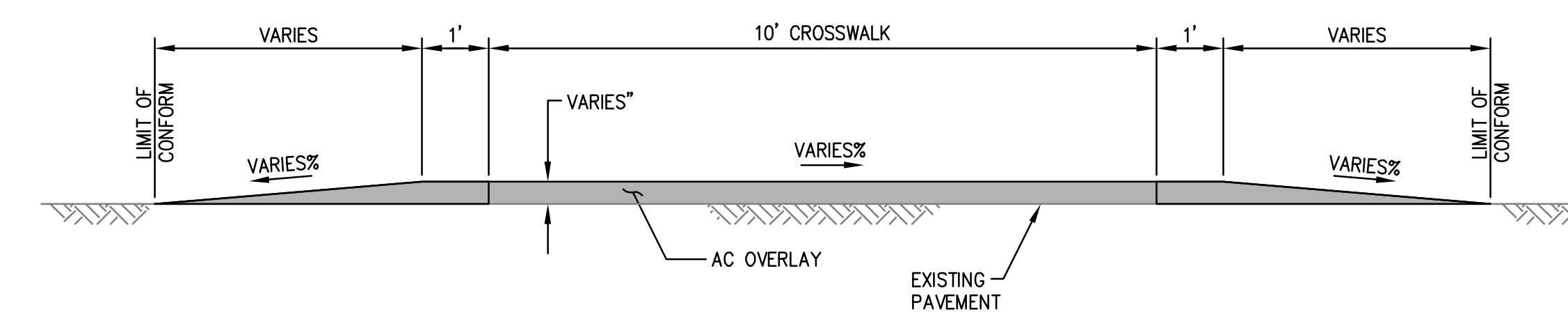
6 - ROADSIDE SIGN POST DETAIL
 NTS



NOTES:

1. ALL HEADWALLS SHALL BE PLASTIC AND CONSTRUCTED IN CONFORMANCE WITH CALTRANS STANDARD PLAN D94A AND SECTION 70-5.02 OF THE CALTRANS STANDARD SPECIFICATIONS, 2015.

7 - CULVERT FLARED END SECTION
 NTS

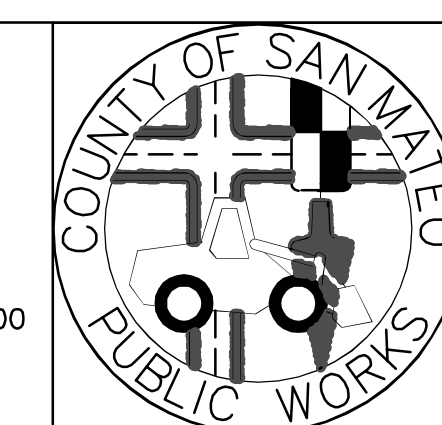


8 - RAISED CROSSWALK DETAIL
 NTS

60% SUBMITTAL - FOR REVIEW ONLY

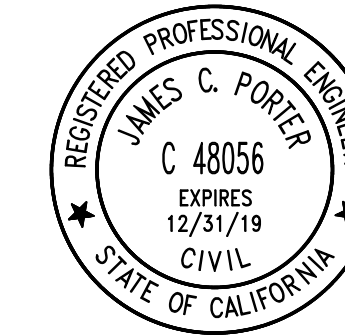
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS R.C.E. # 59567 / EXPIRES 12-31-2019	

BKF
 ENGINEERS / SURVEYORS / PLANNERS
 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300

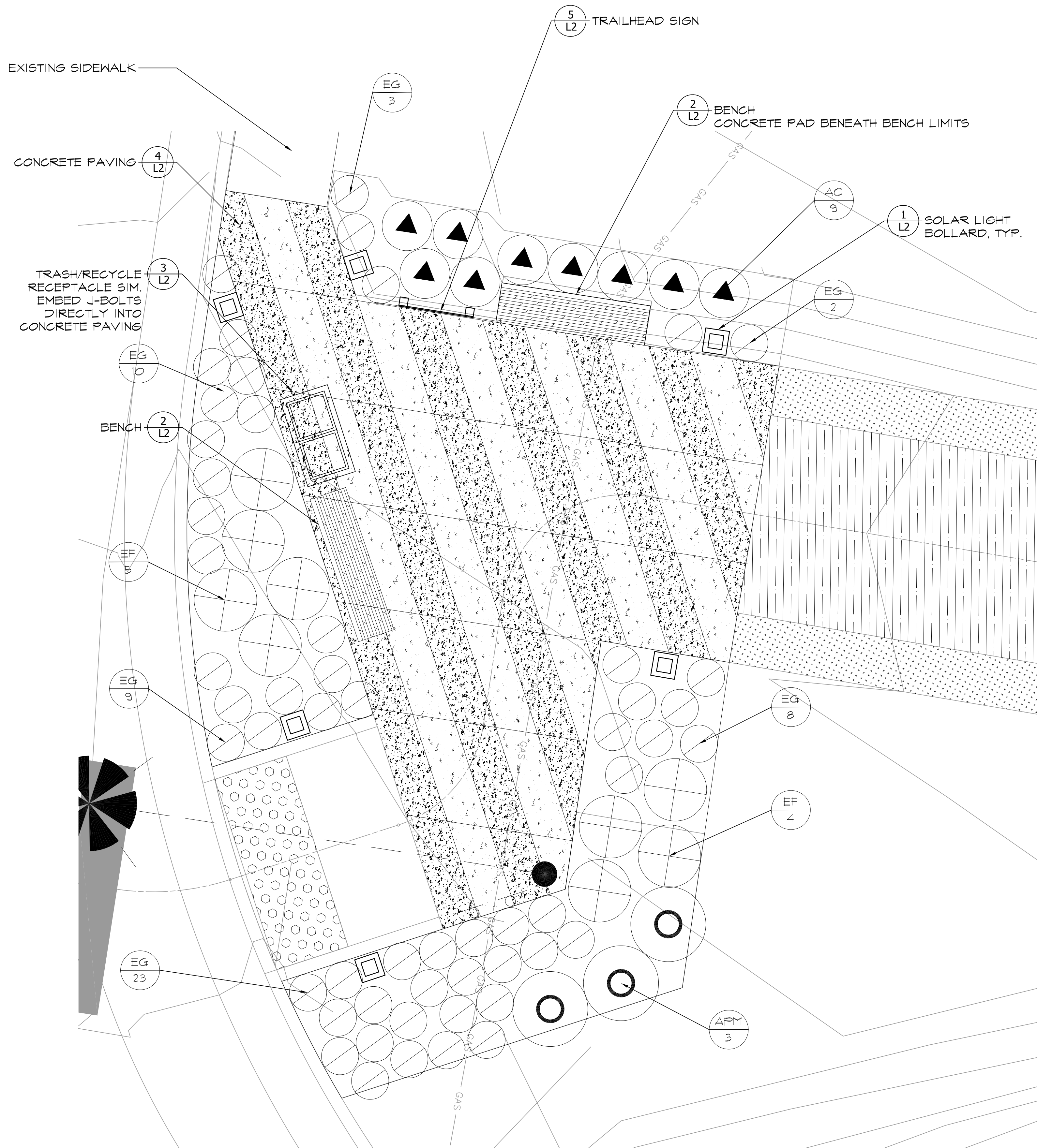


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	DETAILS	DATE: 1/31/2018
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		C-704 SHEET 29 OF 36

DRAWING NAME: 01-31-18
 PLOT TIME: 01-31-18



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019



LEGEND

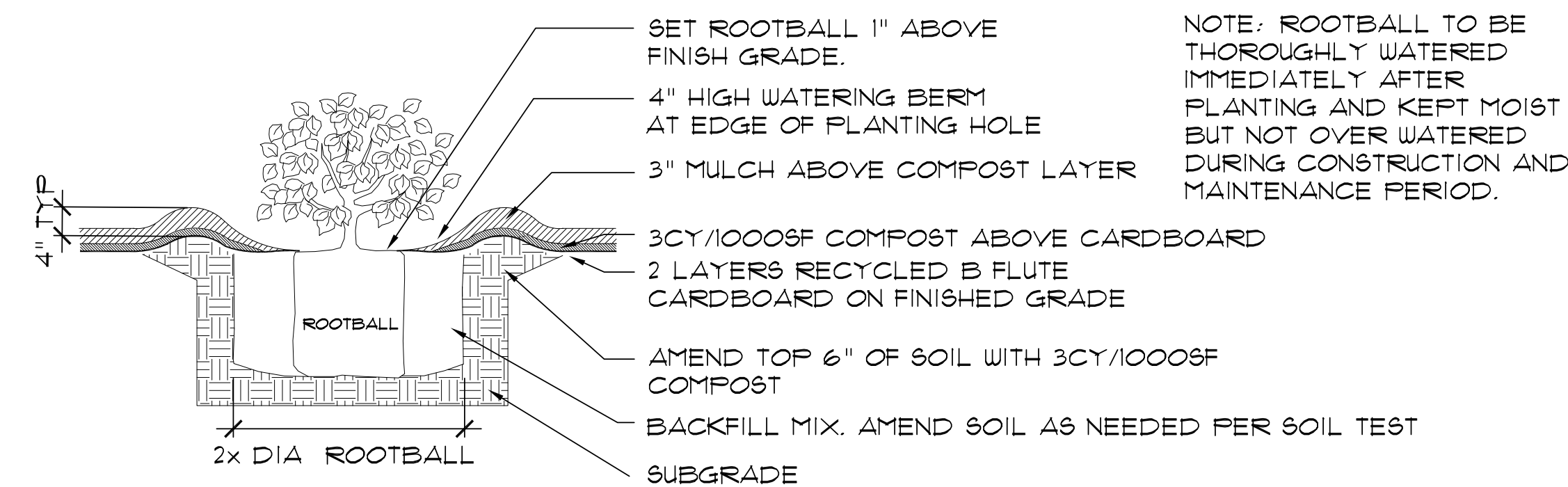
	CONCRETE PAVING
	CONCRETE PAVING - HEAVY SANDBLAST
	ASPHALT PAVING
	DECOMPOSED GRANITE

PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
SHRUBS				
	Arctostaphylos 'Pacific Mist'	Pacific mist manzanita	1 GAL	3
	Artemisia californica	California sagebrush	1 GAL	4
	Erigeron glaucus 'Bountiful'	seaside daisy	1 GAL	55
	Erigeron fasciculatum foliosum	California buckwheat	1 GAL	4

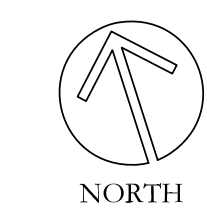
FOLLOWING IS THE RECOMMENDED APPROACH TO REVEGETATION OF DISTURBED AREAS OUTSIDE OF THE MIDCOAST MULTIMODAL TRAIL:

- HAND SEED WITH AN APPROVED NATIVE COASTAL SEED MIX TO PROVIDE 50 PERCENT PLANT COVER WITHIN ONE YEAR. MIX TO INCLUDE NATIVE PLANTS SUCH AS BLUE-EYED GRASS (SISYRINCHIUM BELLUM) CALIFORNIA SAGEBRUSH (ARTEMESIA CALIFORNICA), GOLDEN YARROW (ERIOPHYLLUM CONFERTIFLORUM) AND BARLEY.
- CONTRACTOR TO BROADCAST SEED PER QUANTITIES INCLUDED IN SPECIFICATIONS. SEED SHOULD BE DISPERSED IN BROAD SWEEPING MOTION, ACHIEVING EVEN COVERAGE IN AREAS INDICATED.
- SEEDED AREAS SHOULD BE COVERED BY STRAW LAYER SUFFICIENT TO ALLOW GERMINATION, PREVENT EROSION AND MINIMIZE WEED GROWTH



2 SHRUB PLANTING
 SCALE: NTS

1 PLAZA LAYOUT AND PLANTING PLAN
 SCALE: 1:30

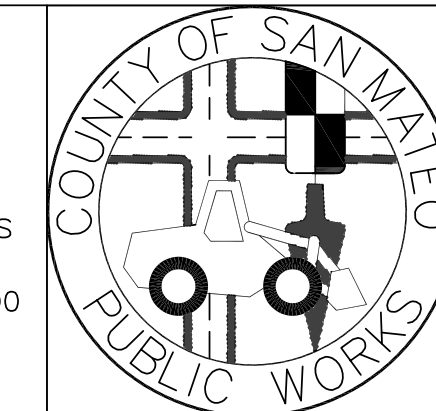


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PLACEWORKS
 1625 SHATTUCK AVENUE, STE 300
 BERKELEY, CA 94709
 (510) 848.3815 PHONE
 (510) 848.4315 FAX

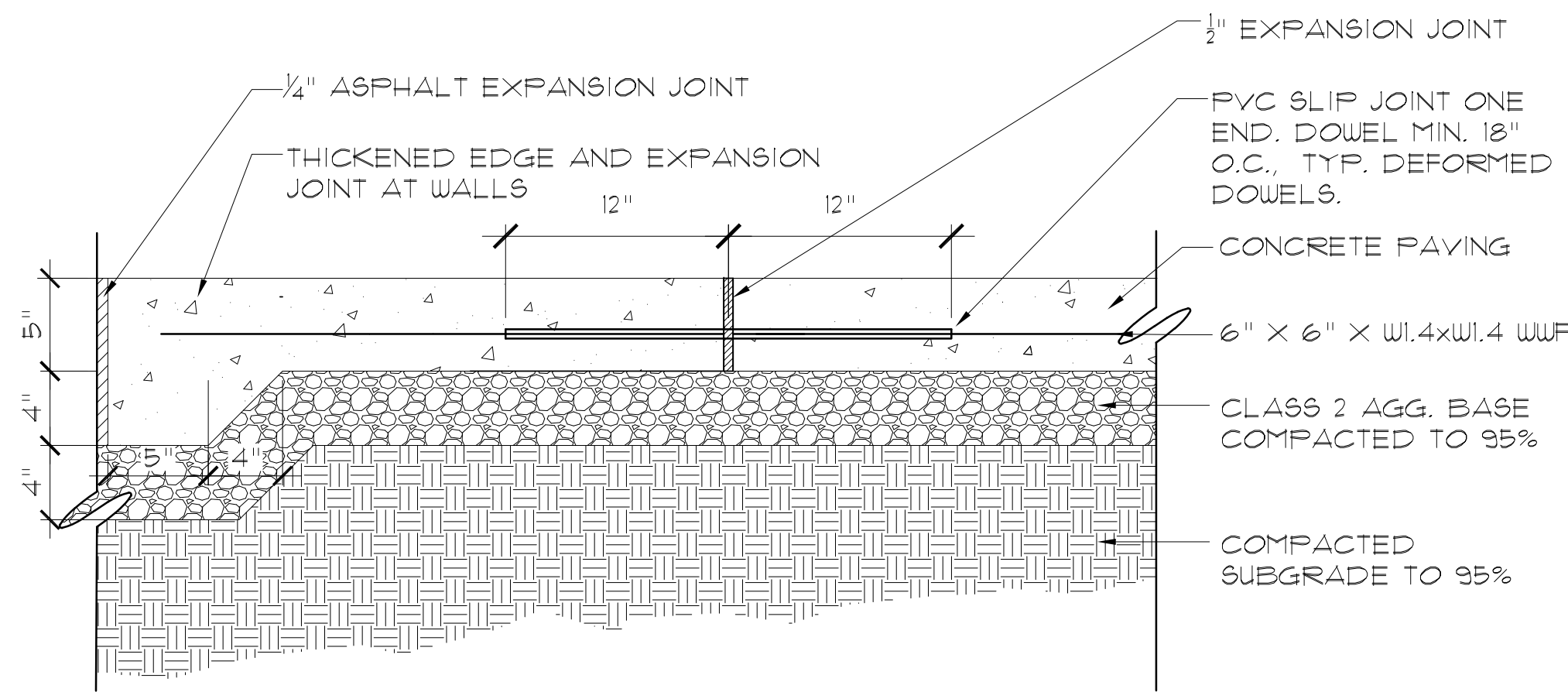
BKF
 ENGINEERS/SURVEYORS/PLANNERS
 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300



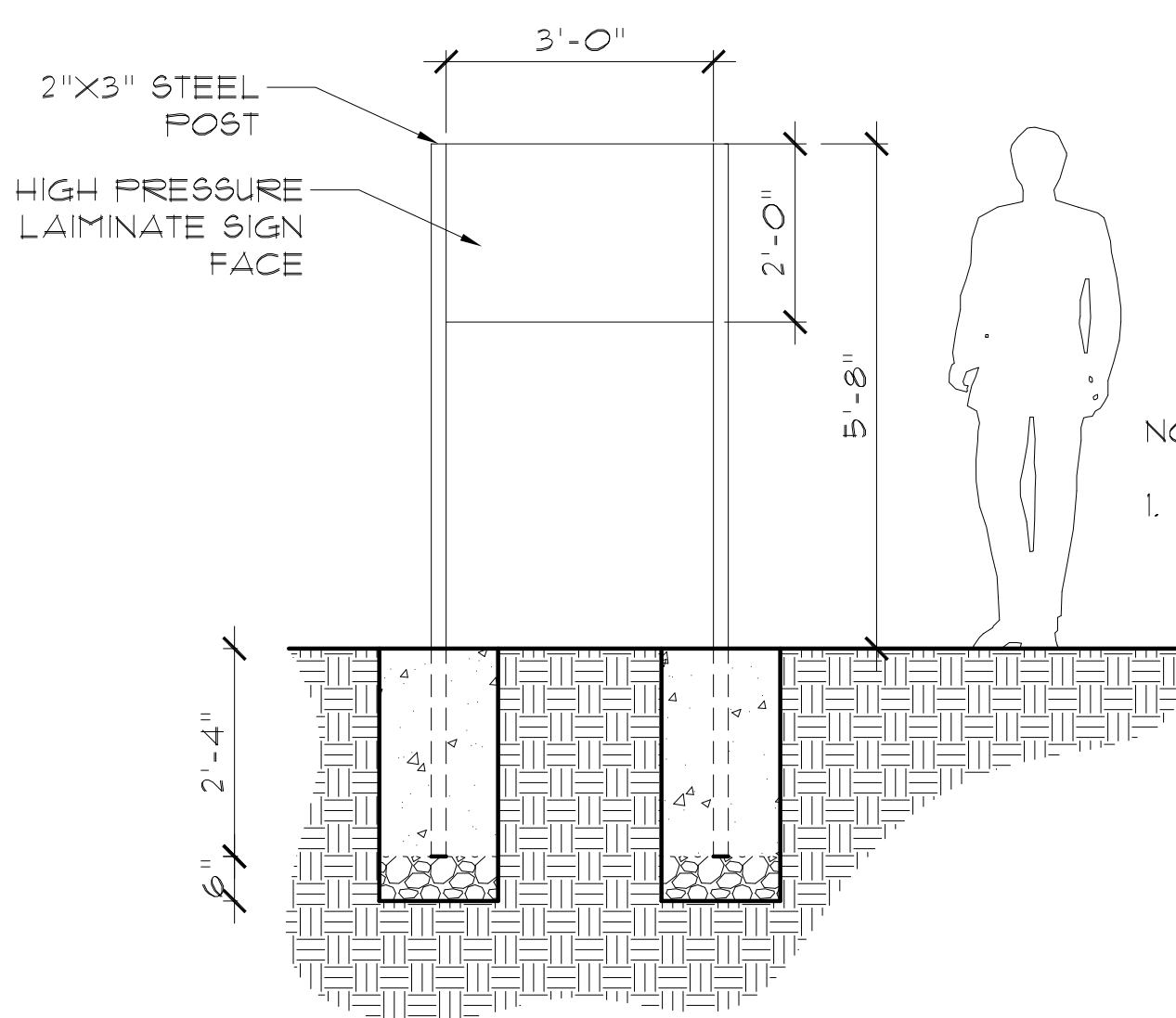
DESIGNED BY:	MIDCOAST MULTI-MODAL TRAIL	SCALE:	
CHECKED BY:	LANDSCAPE DETAILS	DATE:	1/31/2018
DRAWN BY:		FILE NO.:	1 / XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	
		0 1 2 3 4	
			L1 SHEET 30 OF 36

DRAWING NAME: 131818-06-0107_Landscaping/Details/DETAILS-1.dwg
 PLOT TIME: 01-31-18 10:29:18

NOTE:
 1. COLOR: NATURAL CONCRETE
 2. FINISH: SEE ENLARGEMENT ON SHEET L1

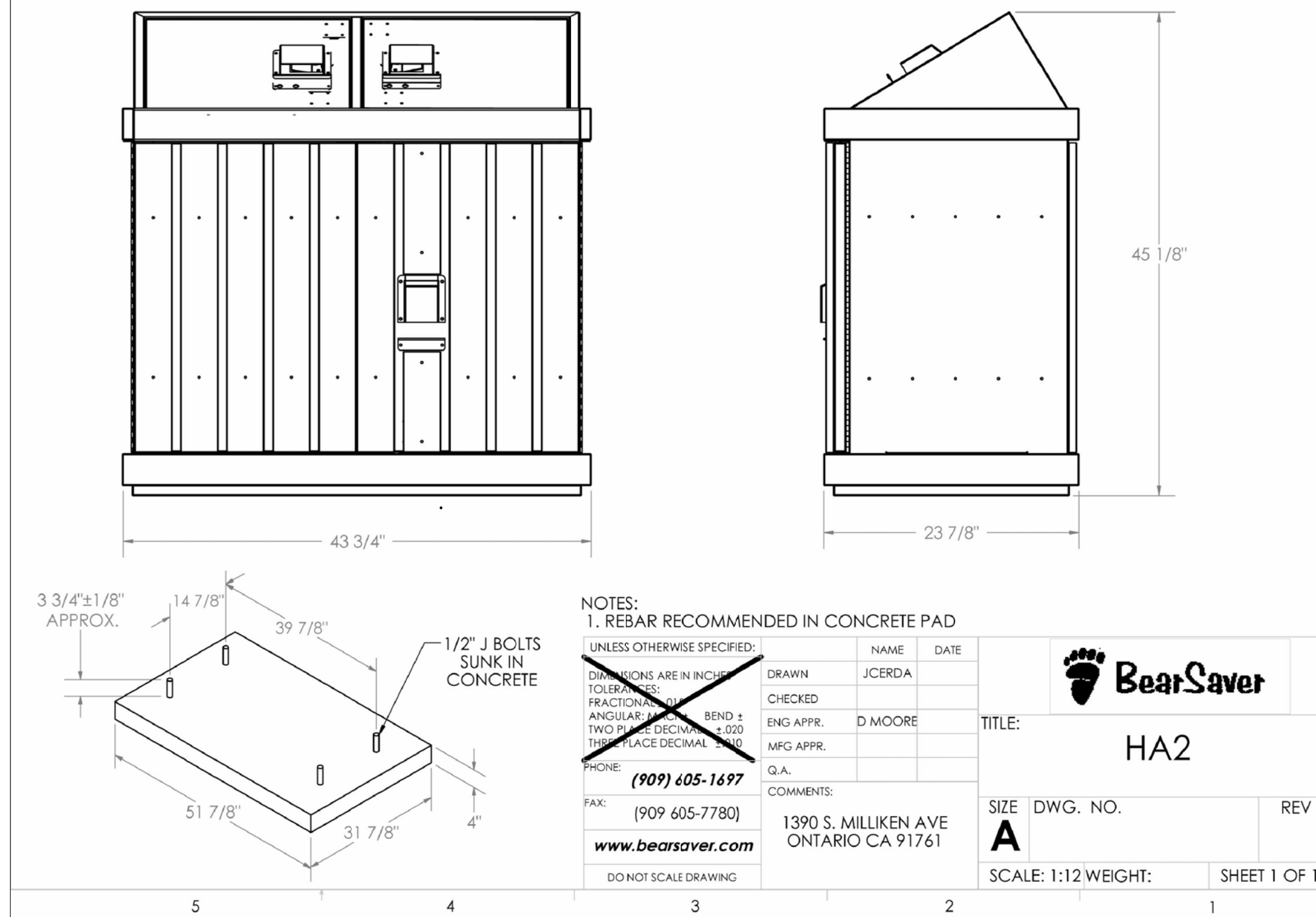


4 CONCRETE PAVING
 SCALE: 1 1/2" = 1'-0"



5 TRAILHEAD SIGN
 SCALE: 1/2" = 1'-0"

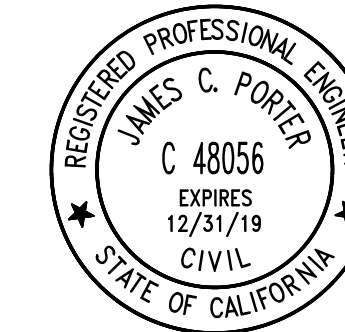
THIS SIDE SHOWN WITH OPTIONAL WOOD PANELING.



MANUFACTURER: BEARSAVER
 MODEL: HA2-PX
 COLOR: FOREST BROWN
 LABELS: TRASH/RECYCLING

NOTES:
 1. CONCRETE PAD SHALL BE CLASS 3 AND SHALL BE REINFORCED WITH #4 REBAR AT 12" ON CENTER SPACING IN EACH DIRECTION OF PAD OR AS RECOMMENDED BY MANUFACTURER.
 2. REBAR SHALL BE 3" MINIMUM FROM CONCRETE PAD SURFACE AND FROM ANY EDGE OF THE CONCRETE.
 3. INSTALL CONCRETE SLAB ON 4" OF COMPACTED CLASS 2 A.B.
 4. J-BOLT SHALL BE INSTALLED TO A DEPTH EQUAL TO HALF OF THE THICKNESS OF THE CONCRETE SLAB.

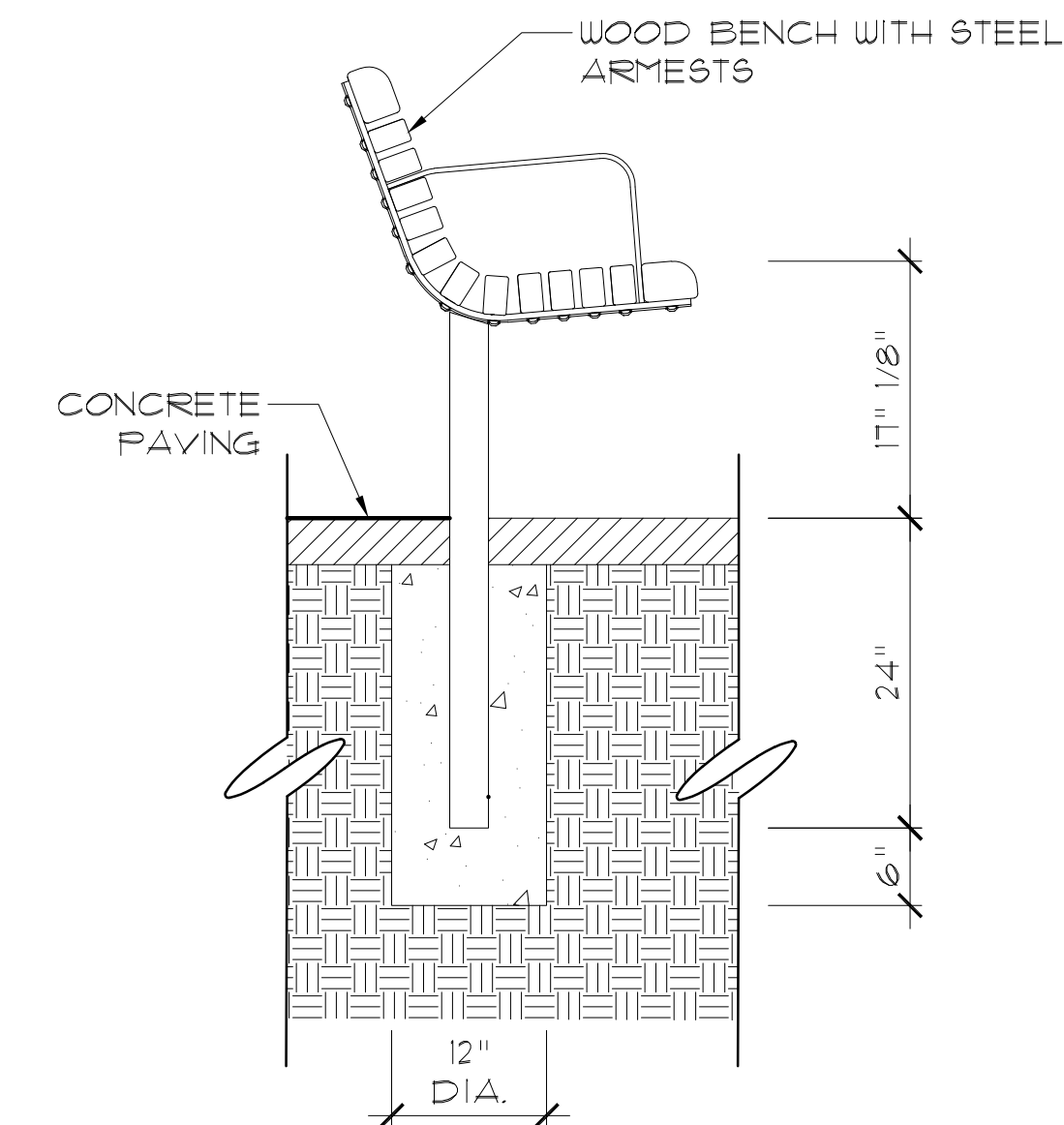
3 TRASH/ RECYCLING RECEPTACLE
 SCALE: NTS



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2019

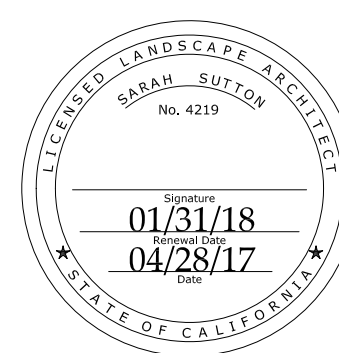
1 SOLAR LIGHT BOLLARD
 SCALE: NTS

SOLAR LIGHT BOLLARD
 MANUFACTURER: STRUCTURA
 MODEL NAME: MAC II SOL
 HEIGHT: 42"; WIDTH: 10"
 EMBED: CONCRETE FOUNDATION WITH ANCHOR BOLT INSTALLATION PER MANUFACTURER
 REP: GABRIELA SATMAREAN, GABRIELA.SATMAREAN@CAL.LIGHTING.COM, 925.242.5502



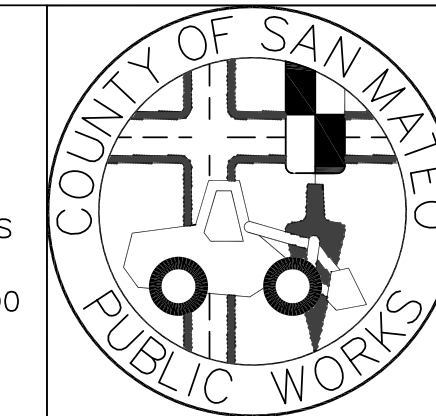
2 BENCH
 SCALE: AS NOTED

I:\Projects\180107_004\Project\180107_004\180107_004.dwg
 01/31/18
 DRAWN: NAME
 PLOT TIME:



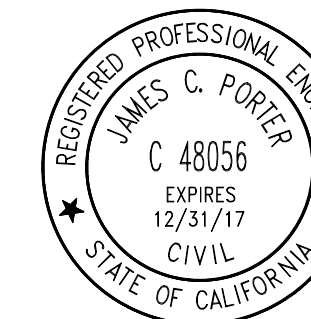
PLACEWORKS
 1625 SHATTUCK AVENUE, STE 300
 BERKELEY, CA 94709
 (510) 848.3815 PHONE
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 255 SHORELINE DRIVE, SUITE 200
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 (650) 482-6300



DESIGNED BY:		MIDCOAST MULTI-MODAL TRAIL		SCALE:
CHECKED BY:		LANDSCAPE DETAILS		DATE: 1/31/2018
DRAWN BY:		JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE NO.: 1/XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		L2
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				SHEET 31 OF 36

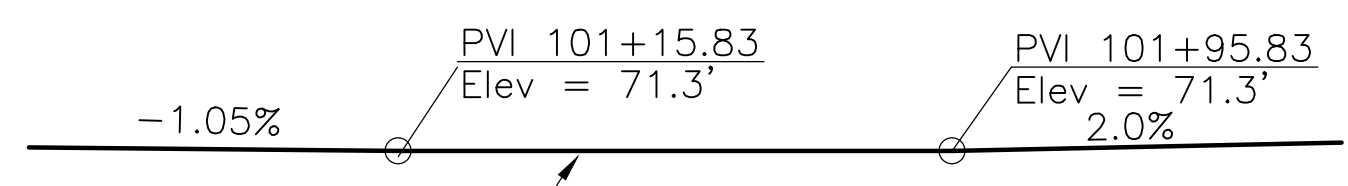
60% SUBMITTAL - FOR REVIEW ONLY



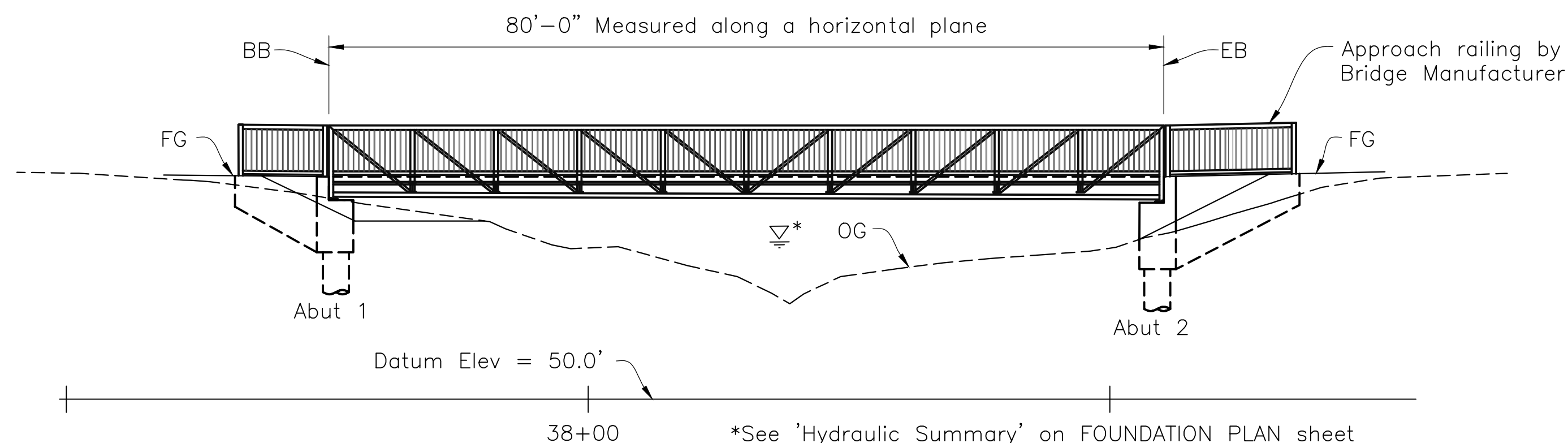
APPROVED:

DATE:

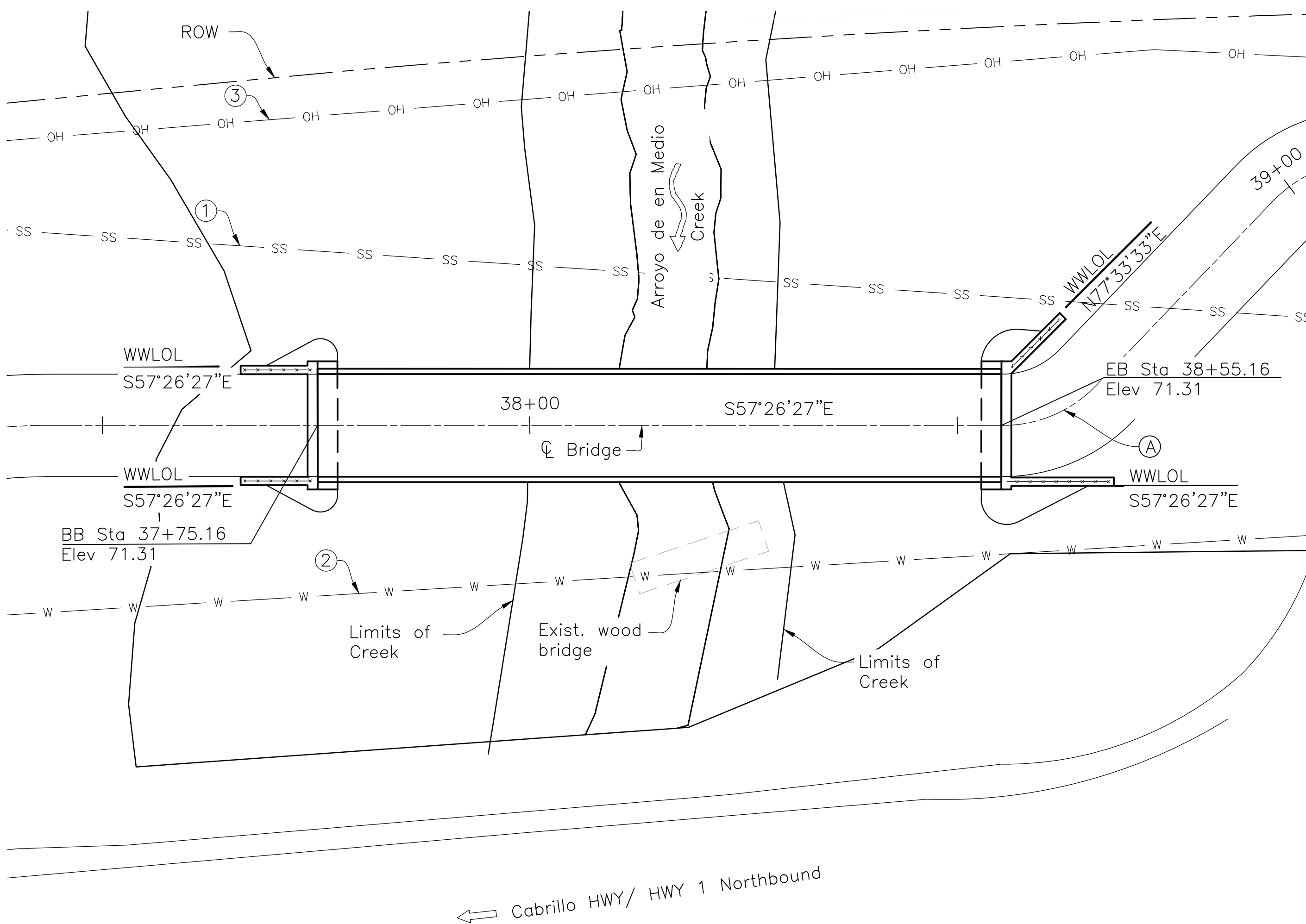
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2017



PROFILE GRADE
NOT TO SCALE

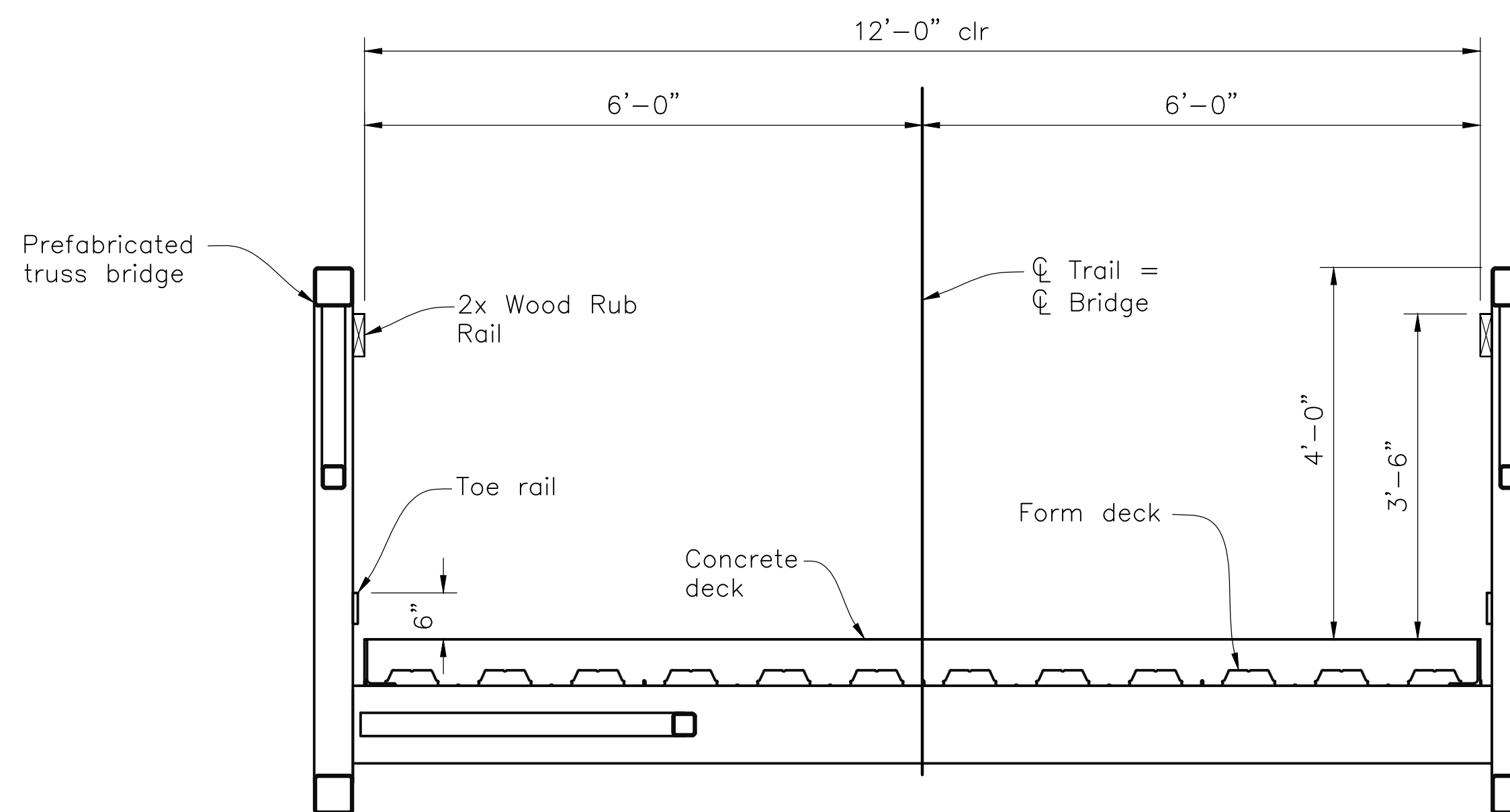
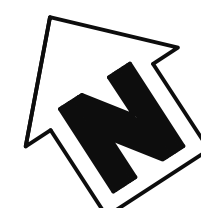


ELEVATION
1"=10'-0"



- Legend:**
- ① Existing Sanitary Sewer Line, see Improvement Plans
 - ② Existing Water Line, see Improvement Plans
 - ③ Existing Overhead Electrical Line, see Improvement Plans

PLAN
1"=10'-0"



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

CALTRANS STANDARD PLANS DATED 2015

- A3A ABBREVIATIONS (SHEET 1 OF 2)
- A3B ABBREVIATIONS (SHEET 2 OF 2)
- 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)
- B0-1 BRIDGE DETAILS
- B0-3 BRIDGE DETAILS

LEGEND

- (B0-3) Indicates Caltrans standard plan sheet no.
- (3-1) Indicates detail no.
- (A) Indicates section letter
- (S3) Indicates sheet no. shown on
- (1/S3) Indicates sheet no. shown on

SHEET INDEX

- S1 GENERAL PLAN - BRIDGE
- S2 FOUNDATION PLAN - BRIDGE
- S3 ABUTMENT DETAILS
- S4 GENERAL PLAN - RETAINING WALL
- S5 RETAINING WALL DETAILS

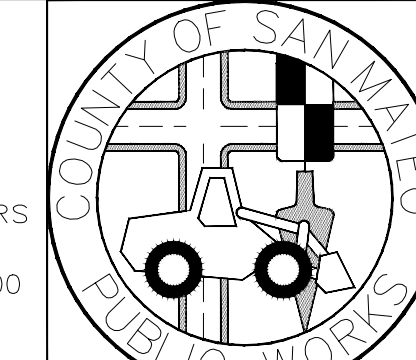
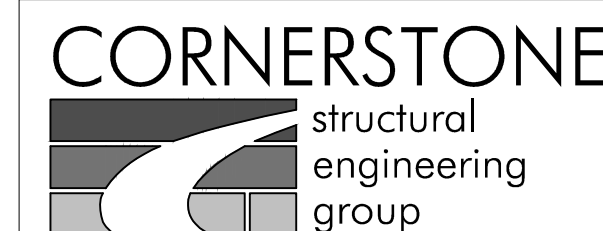
CURVE DATA			
CURVE	R	Δ	L
(A)	15.00'	46°11'58"	12.10"

Verify Curve Data with Civil Plans

NOTES

1. These plans shall incorporate the 2015 State Standard Specifications and 2015 Standard Plans, the 2015 Revised Standard Specifications, and the Special Provisions contained in these plans.
2. Prefabricated truss bridge to be design by others. Bridge abutments will be designed for the maximum anticipated prefabricated bridge reactions.
3. Approach Railing to be designed by others and shall match the aesthetic of the bridge railing system.
4. Prefabricated truss bridge length shall be verified by the Contractor with in-place location of abutments.
5. Contractor shall obtain and comply with all permit requirements established for the project.
6. Surveyor shall verify layout and elevation control.
7. Contractor shall verify all structure dimensions shown on these plans with the bridge supplier. Any discrepancies must be brought to the attention of the Engineer immediately.
8. Section cuts indicated in plan are typical at both abutments.
9. Contours shown are for information only. For existing topography and grading, see Improvement Plans.
10. All steel to be painted per the project special provisions.
11. Utility locations shown are schematic. contractor to verify all utilities with Improvement Plans and pot hole areas as required on the Improvement Plans.

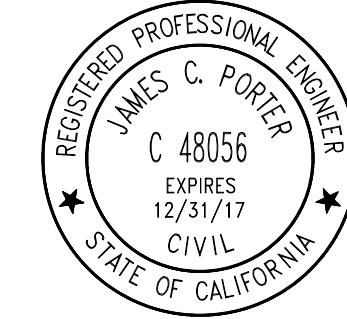
60% SUBMITTAL - FOR REVIEW ONLY



DESIGNED BY: CDI	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS NOTED
CHECKED BY: TLS	GENERAL PLAN - BRIDGE	DATE: 1/31/18
DRAWN BY: CDI	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	FILE NO.: 1/XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		S1 SHEET 32 OF 36

DRAWING NAME: W:\2018\20180503 San Mateo Co. Multi-Modal Trail\01-General Plan.dwg PLOT TIME: 01-31-18

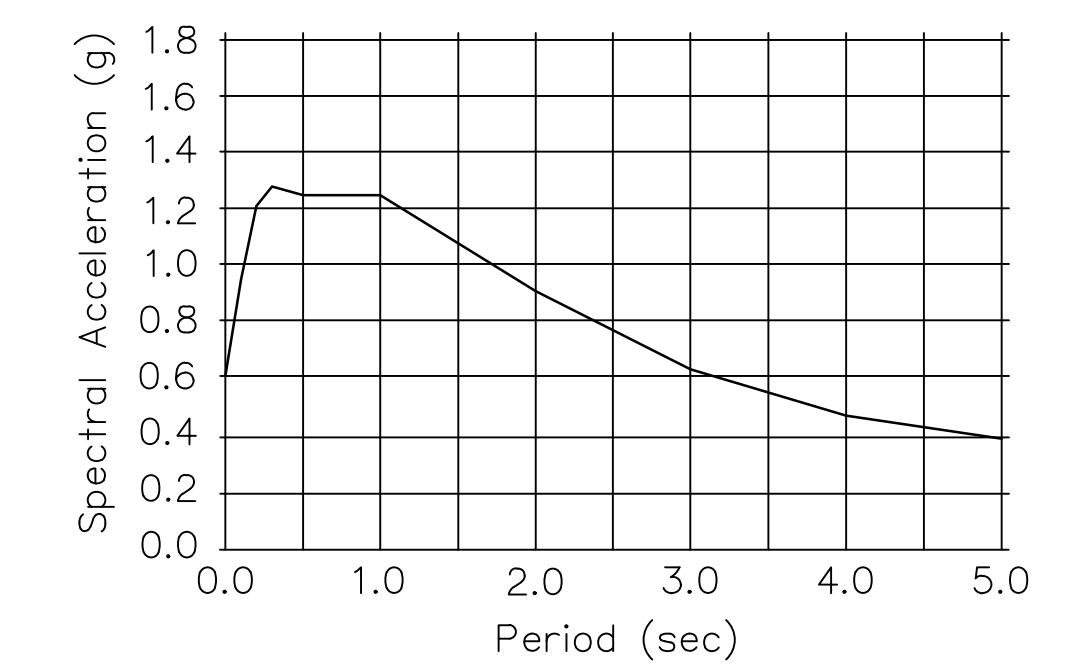




APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2017

GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

- DESIGN: AASHTO LRFD Guide Specification for the Design of Pedestrian Bridges, 2nd Edition & AASHTO LRFD Bridge Design Specifications, 6th Edition with Caltrans Amendments
- SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), Version 1.7, dated April 2013. Superstructure members to be designed to remain elastic with an R factor of 1.0 (force equal to 1.0 x peak spectral acceleration) and connections to be designed with an R factor of 0.8 (force equal to 1.25 x peak spectral acceleration) per AASHTO LRFD Specifications.
- DEAD LOAD: Bridge Self Weight (including concrete deck)
- LIVE LOADING: 90 psf Pedestrian Load & H10 Design Vehicle
- SEISMIC LOADING: $V_{30} = 200$ m/s
 Peak Ground Acceleration = 0.600g
 5% Damping



ACCELERATION RESPONSE SPECTRUM

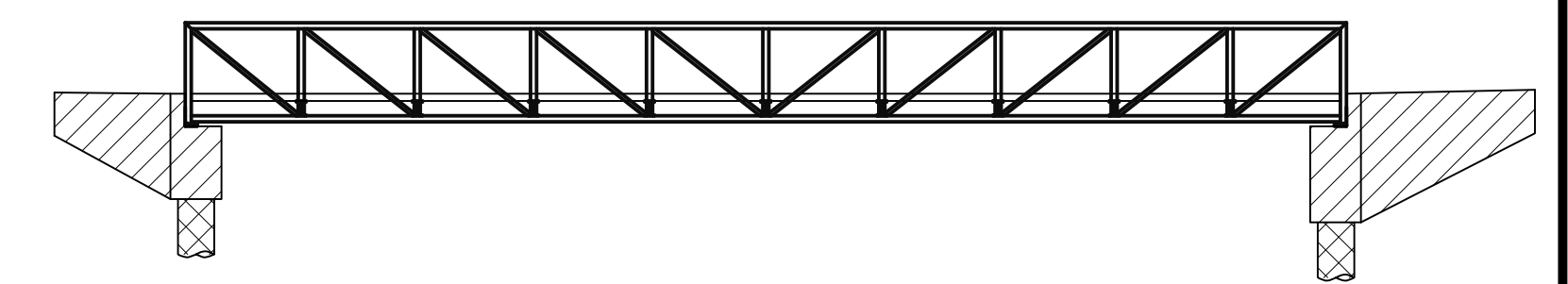
ABUTMENT REACTIONS: Maximum bridge service loading reactions are as follows:

Dead Load	28,000#
Vehicular Live Load	10,000#
Uniform Live Load	21,600#

Reactions are per each bearing (2 bearing per abutment)

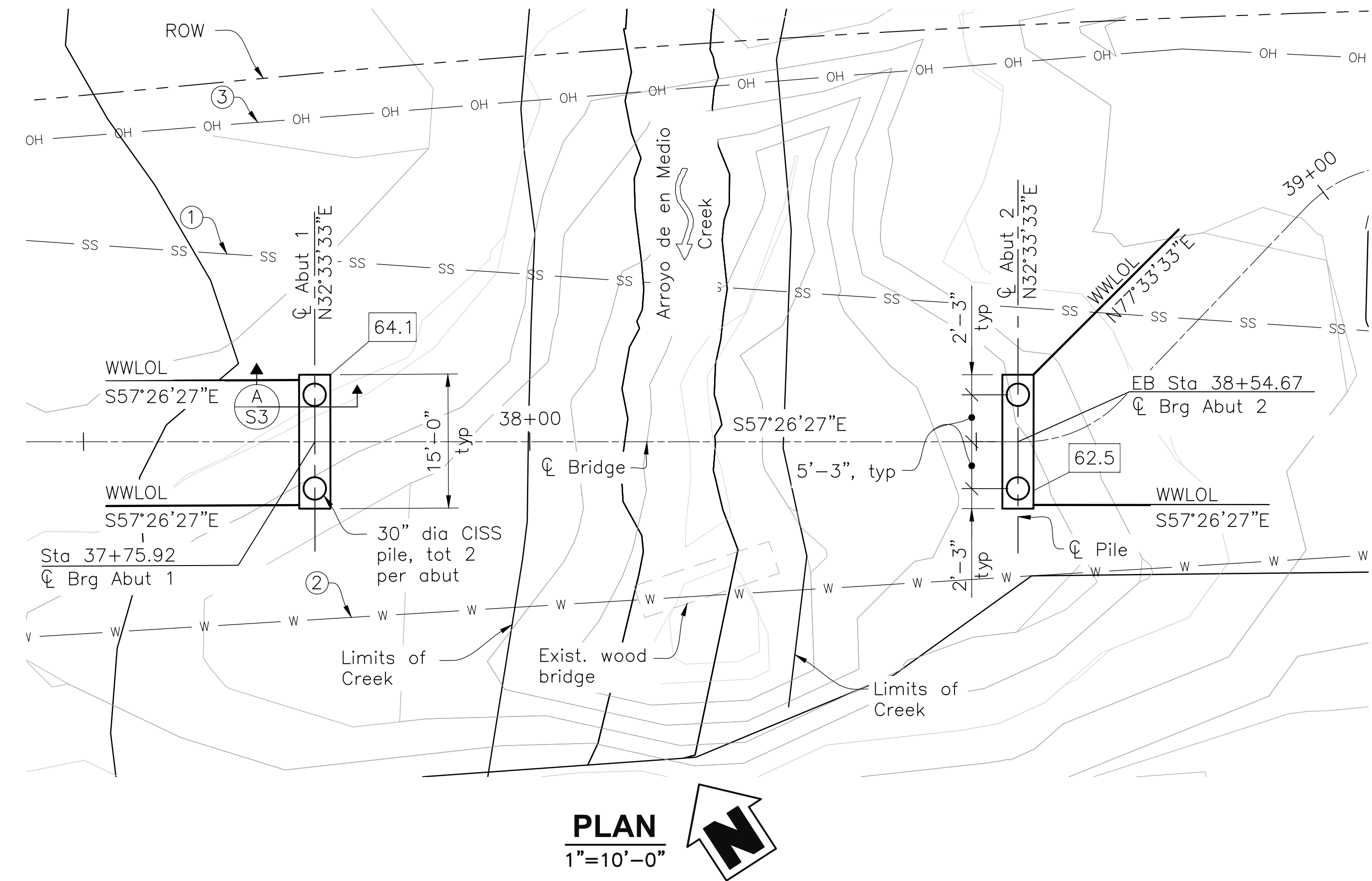
SOIL CRITERIA FOR DESIGN: Per Draft Foundation Report provided by Parikh, dated 1/22/2018:

- Soil Unit Weight = 120 pcf
- Active equivalent Fluid Pressure (drained) = 36 pcf
- At-Rest Equivalent Fluid Pressure (drained) = 55 pcf
- Active equivalent fluid pressure (undrained) = 80 pcf
- At-Rest equivalent fluid pressure (undrained) = 90 pcf
- Traffic Load (lateral) = 72 psf
- Incremental Seismic Earth Pressure = 30 pcf



- Indicates Structural Concrete, Bridge ($f'c = 4,000$ psi at 28 days)
- Indicates Structural Concrete, Bridge Footing ($f'c = 3,600$ psi at 28 days)
- Indicates 30" diameter CISS Piling ($f'c = 3,600$ psi at 28 days)

CONCRETE STRENGTH AND TYPE LIMITS NO SCALE 60% SUBMITTAL - FOR REVIEW ONLY



- Notes:
- [62.5] Indicates bottom of abutment pile cap
 - [5] Indicates contour elevation.
 - Indicates 30"Ø CISS Pile.
 - Utility locations shown are approximate, for utility locations see Improvement Plans.
 - Right-of-way shown is approximate. See Improvement Plans for right-of-way data and limits of work.
 - Contractor shall verify all existing controlling field dimensions before ordering or fabricating any material.
 - Contour interval = 1'
 - Contours shown indicate existing grading. For finished grade contours, see Improvement Plans
 - A representative of the Geotechnical Engineer of Record shall be on site at all times during the pile installation operations.

- Legend:
- ① Existing Sanitary Sewer Line, see Improvement Plans
 - ② Existing Water Line, see Improvement Plans
 - ③ Existing Overhead Electrical Line, see Improvement Plans

HYDROLOGIC SUMMARY

Frequency (years)	50	100
Discharge (cubic feet per second)	318	365
Water surface (elevation at u/s face of Bridge)(feet)	65.0	65.4
Velocity (feet per second)	4.4	4.3

PILE DATA TABLE

Location	Pile Type	Design Loading (Service)	Nominal Resistance		Bottom of Pile Cap Elev (ft)	Design Tip Elev (ft)	Specified Tip Elev (ft)
			Compression	Tension			
Abut 1	30" CISS	90 kips	120 kips	0 kips	64.1	(1) 24.0; (3) 19.1	19.1
Abut 2	30" CISS	90 kips	120 kips	0 kips	62.5	(1) 21.0; (3) 22.5	21.0

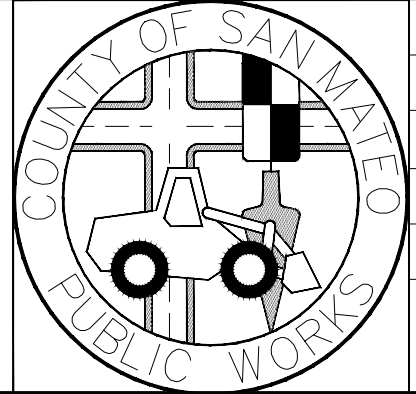
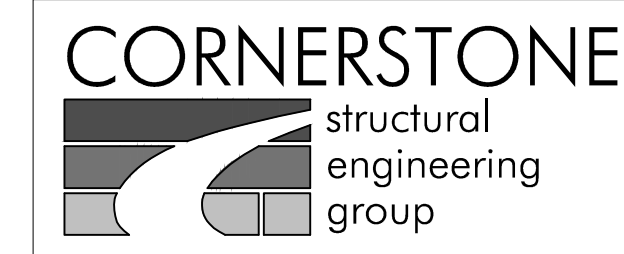
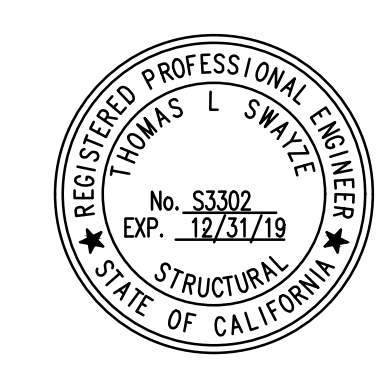
Design tip elevation is controlled by the following demands: (1) Compression (2) Tension (3) Lateral.

SCOUR DATA TABLE

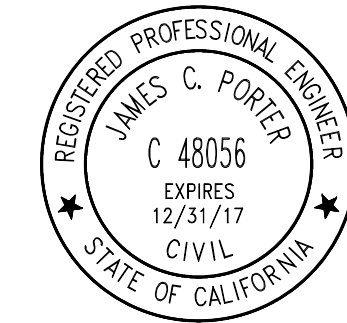
Support Location	Long Term (Degradation and Contraction) Scour Elevation (ft)	Short Term (Local) Scour elevation (ft)
Abut 1	No change	Not Applicable
Abut 2	No change	Not Applicable

Flood plain data are based upon the Preliminary Hydrology Study prepared by BKF Engineers. The accuracy of said information is not warranted by Cornerstone Structural Engineering Group, Inc. and interested or affected parties should make their own investigation.

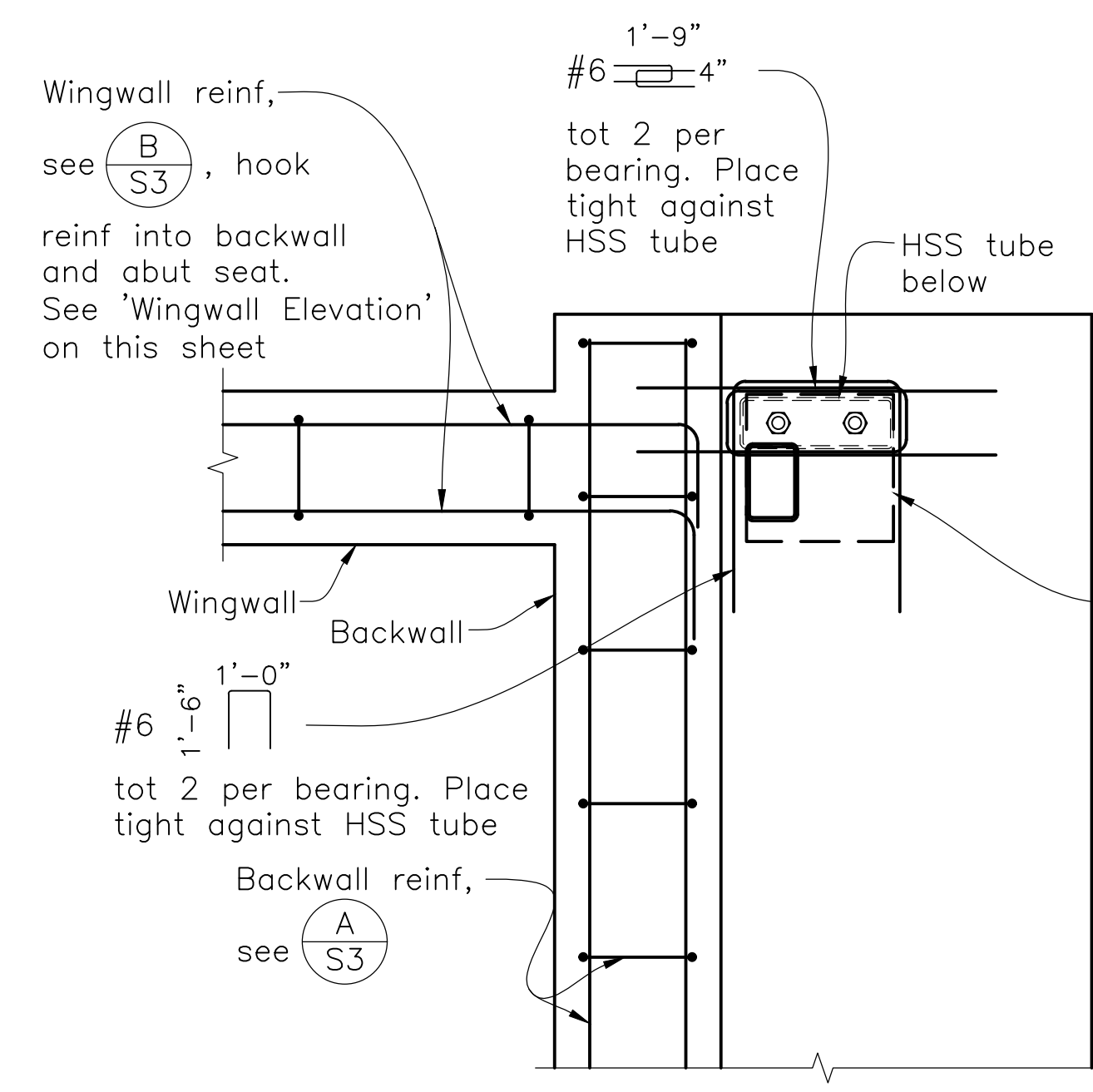
DRAWING NAME: W:\2018\20180513 San Mateo Co. Multi-Modal Trail\02-Foundation Plan.dwg PLOT TIME: 01-31-18



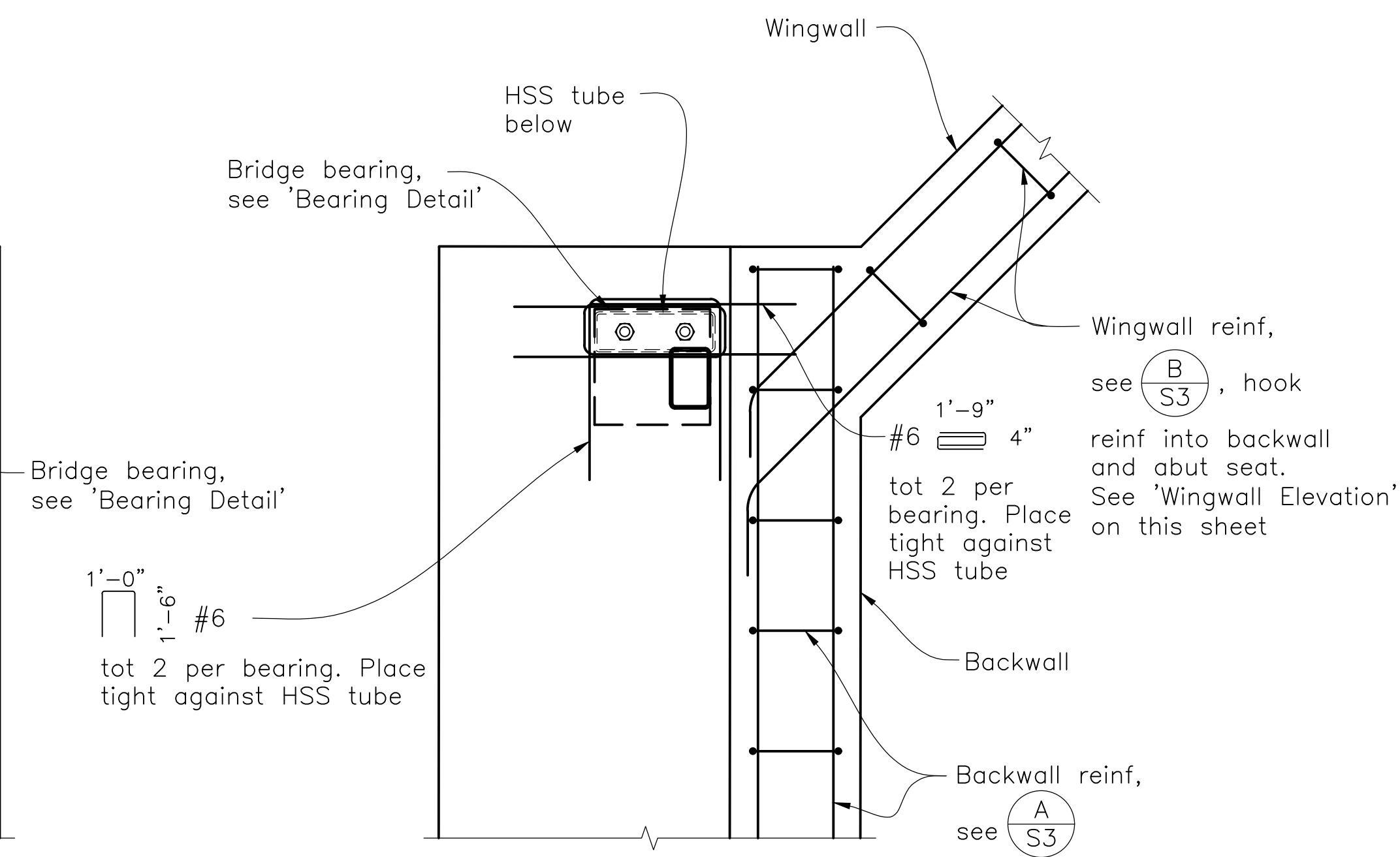
DESIGNED BY: CDI	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS NOTED
CHECKED BY: TLS	FOUNDATION PLAN - BRIDGE	DATE: 1/31/18
DRAWN BY: CDI	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	FILE NO: 1 /XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		S2 SHEET 33 OF 36



APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2017

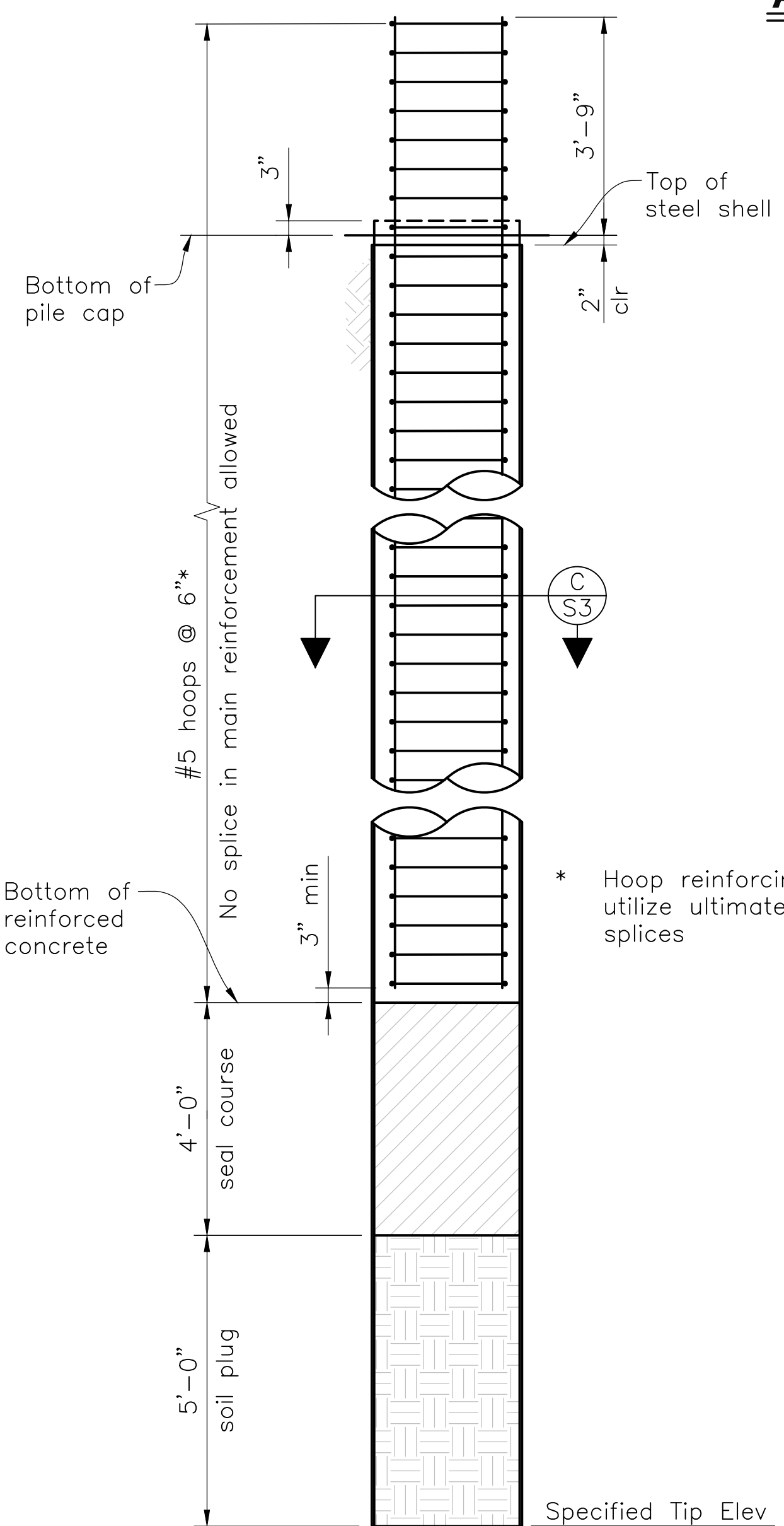


TYPICAL CORNER

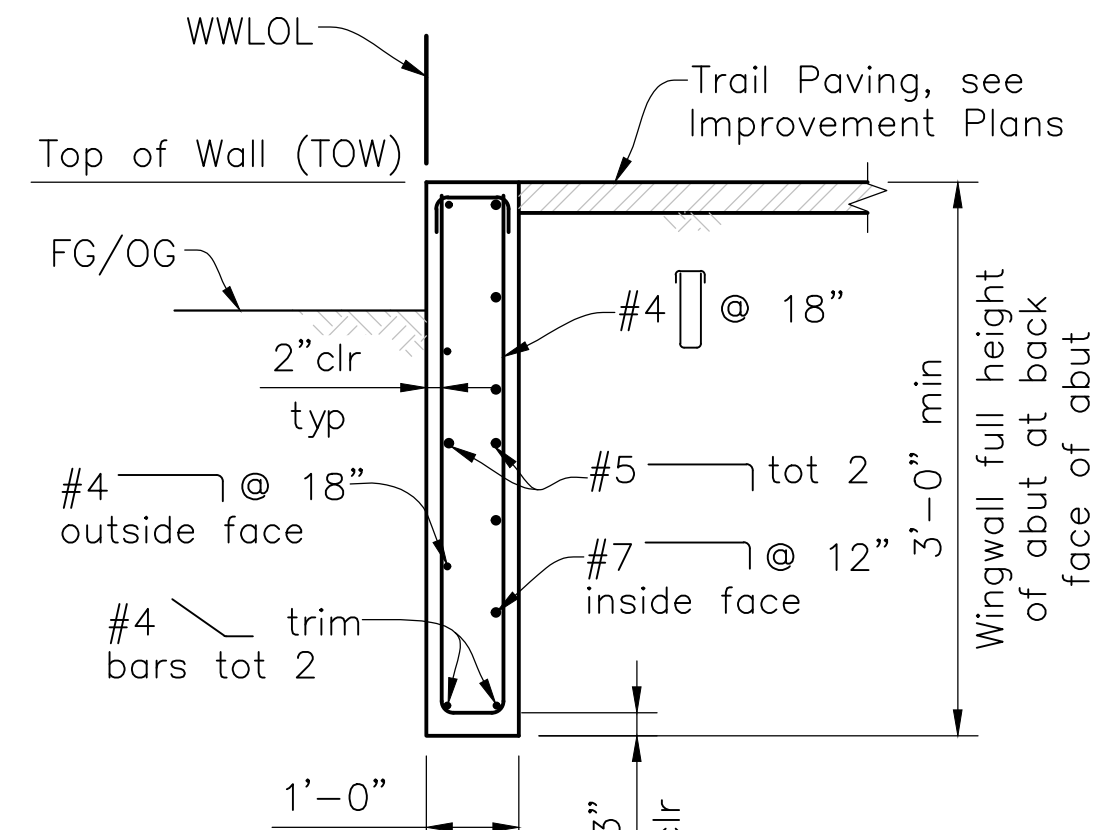


ABUTMENT 2 NORTH CORNER

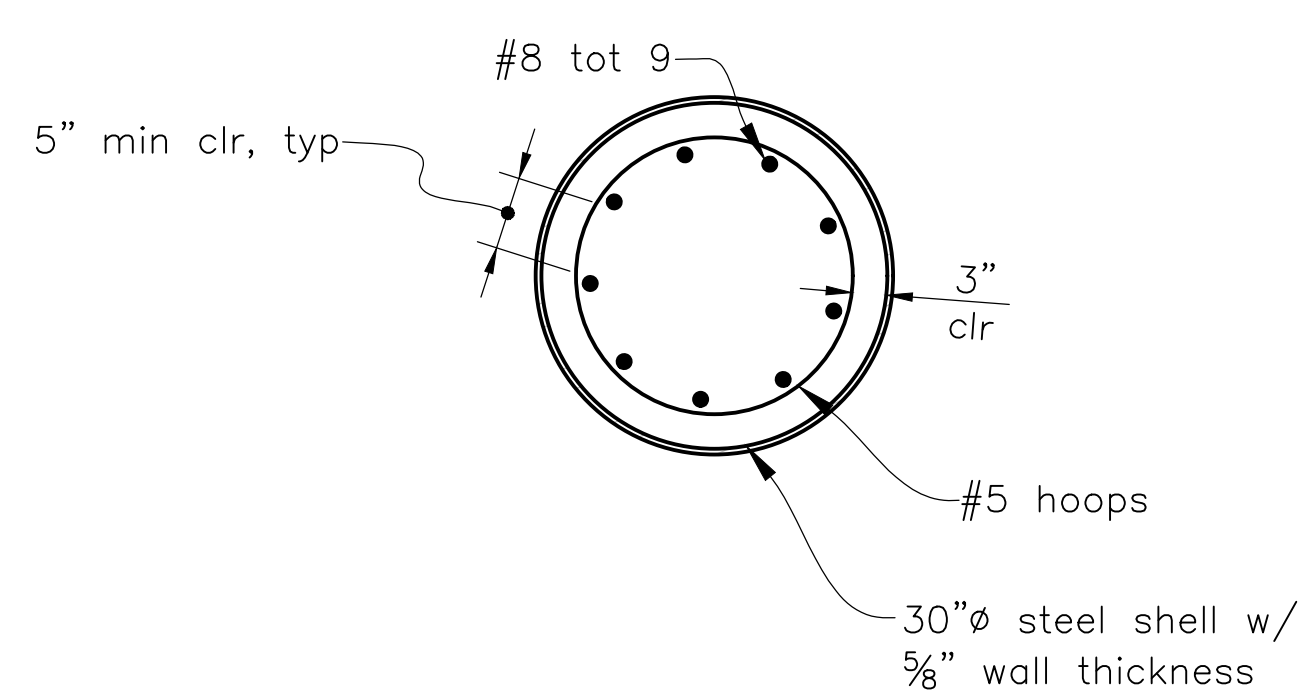
ABUTMENT PARTIAL PLAN
 1"=1'-0"



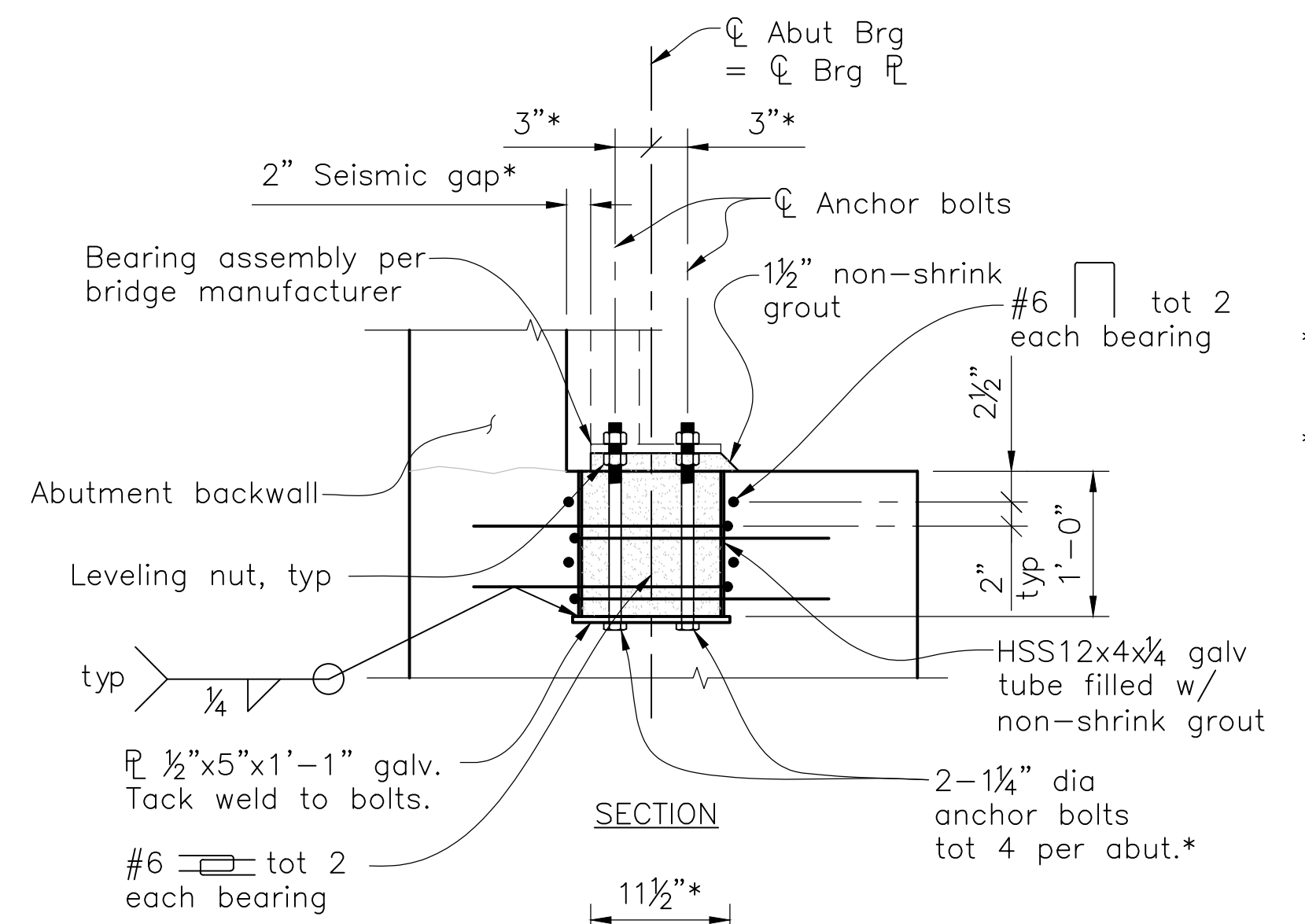
30" DIA CISS PILE ELEVATION
 1/2"=1'-0"



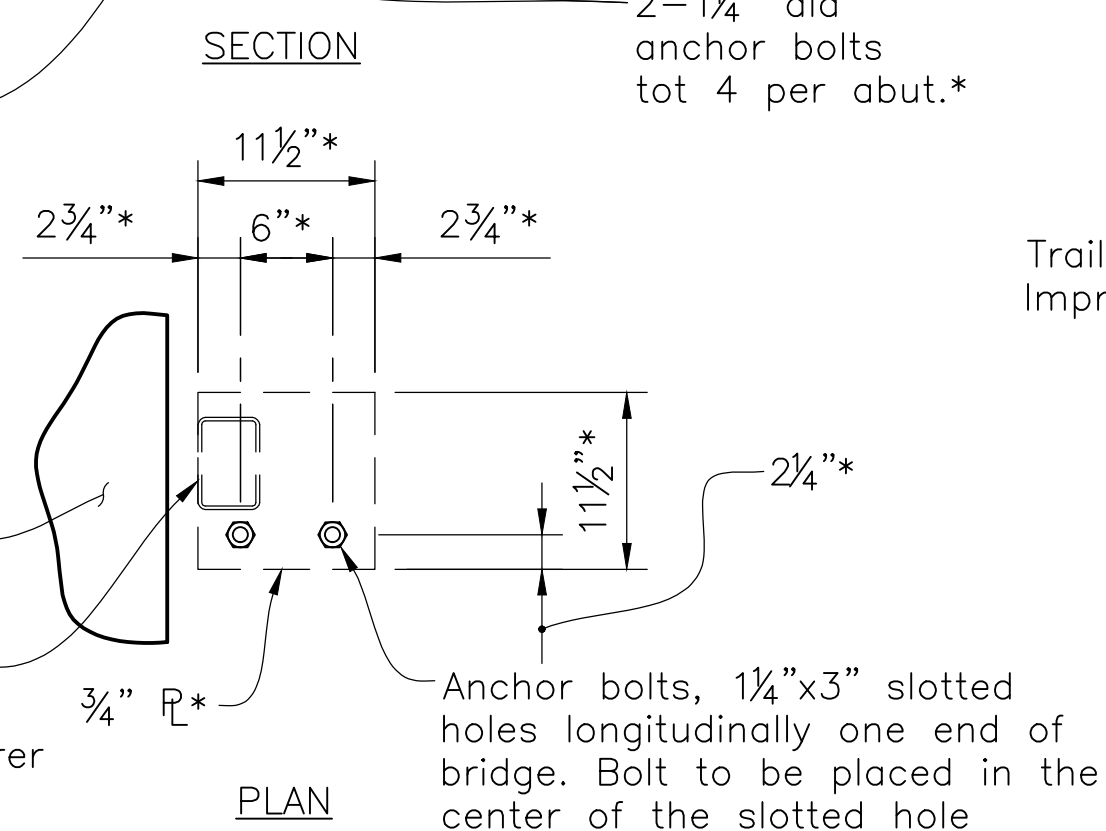
SECTION B
 1/2"=1'-0"



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

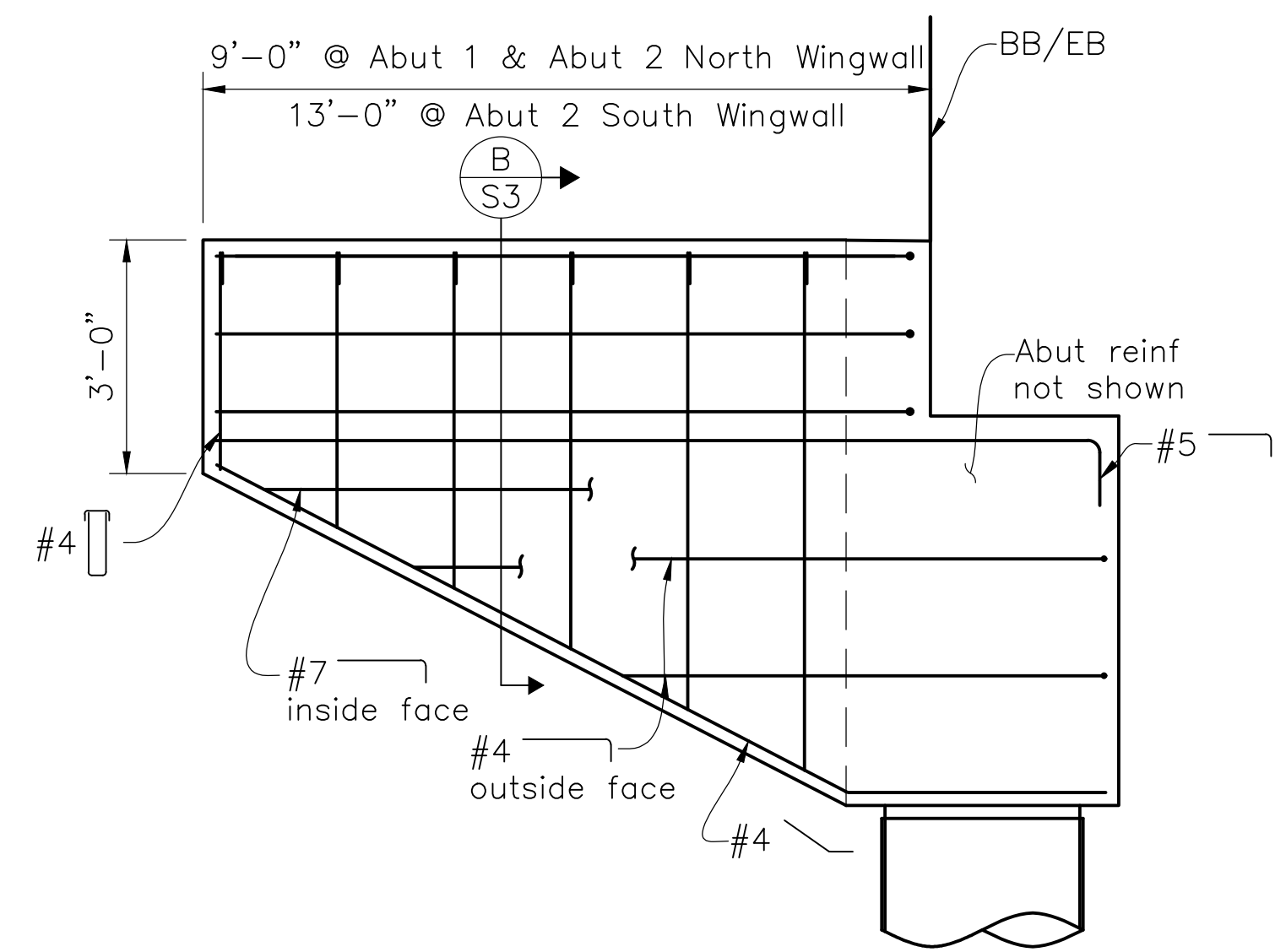


BEARING DETAIL
 1"=1'-0"

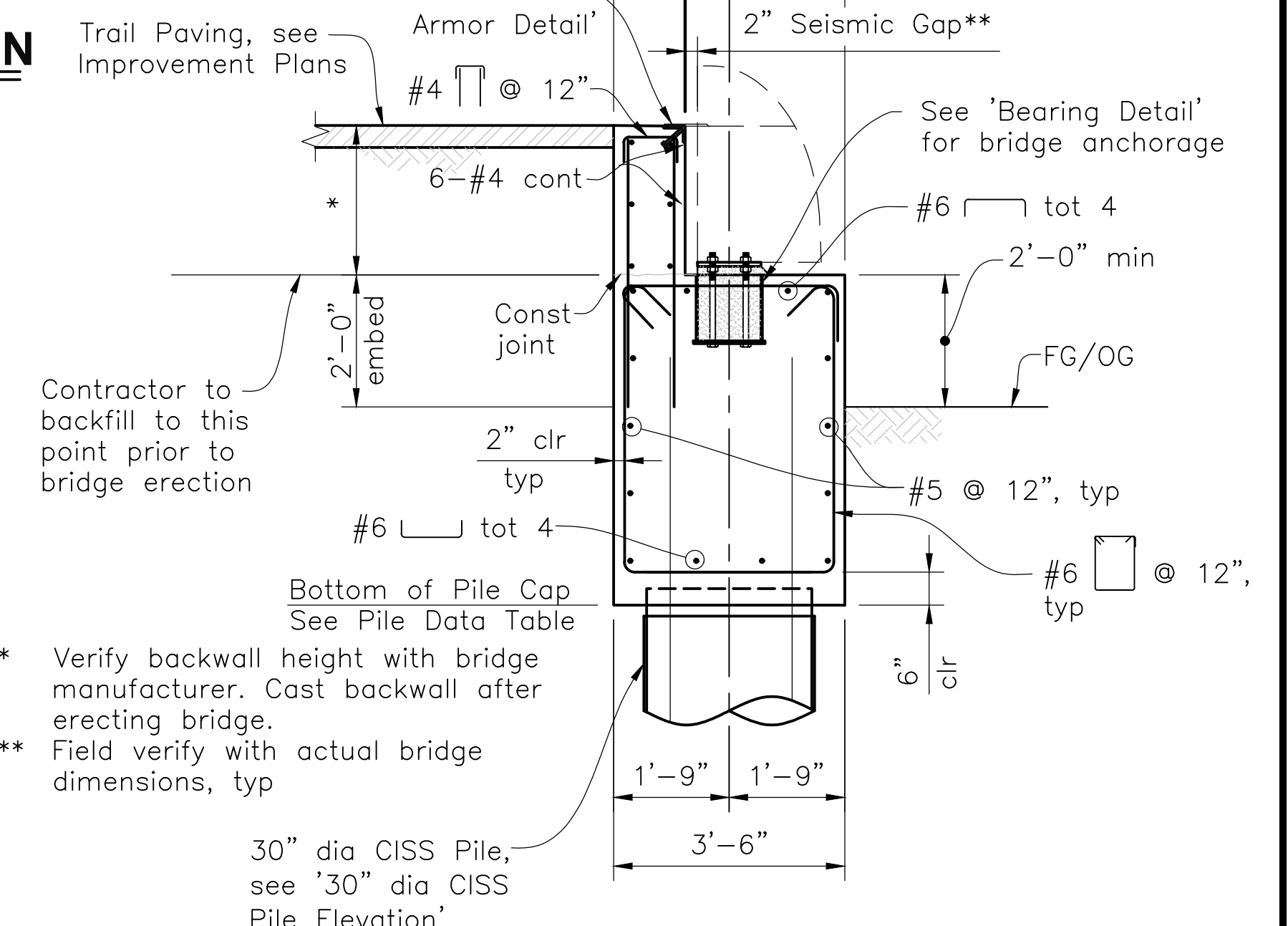


SECTION A
 1/2"=1'-0"

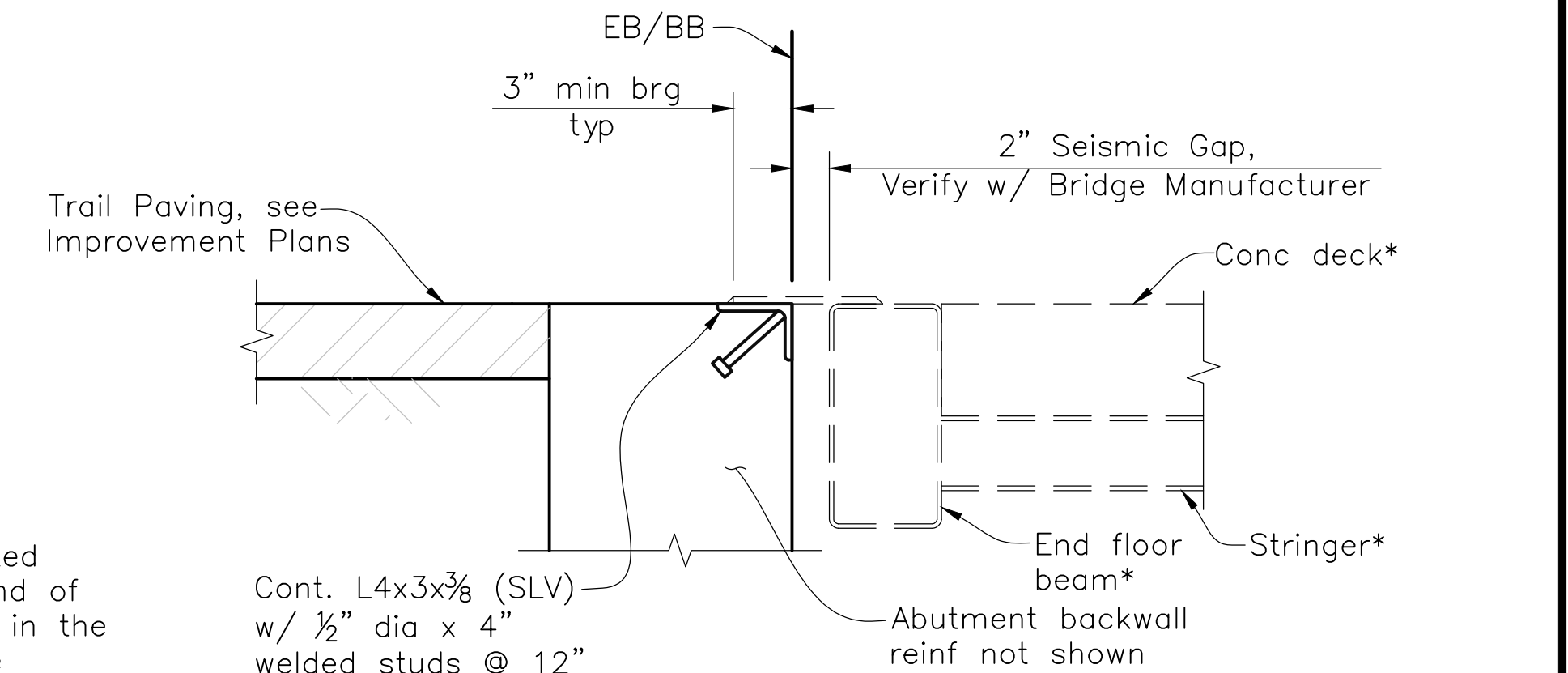
* Verify with bridge manufacturer



WINGWALL ELEVATION
 1/2"=1'-0"



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



JOINT ARMOR DETAIL
 1 1/2"=1'-0"

* See prefabricated steel truss bridge drawings

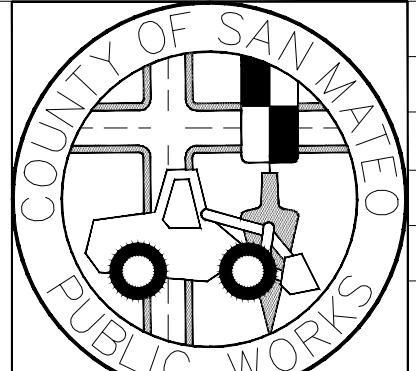
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DRAWING NAME: W:\2018\20180531 San Mateo Co. Multi-Modal Trail\30-Abutment Details.dwg
 PLOT TIME: 01-31-18 10:51:18 AM



CORNERSTONE
 structural engineering group

Bkf
 ENGINEERS/SURVEYORS/PLANNERS
 255 SHORELINE DRIVE, SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-6300

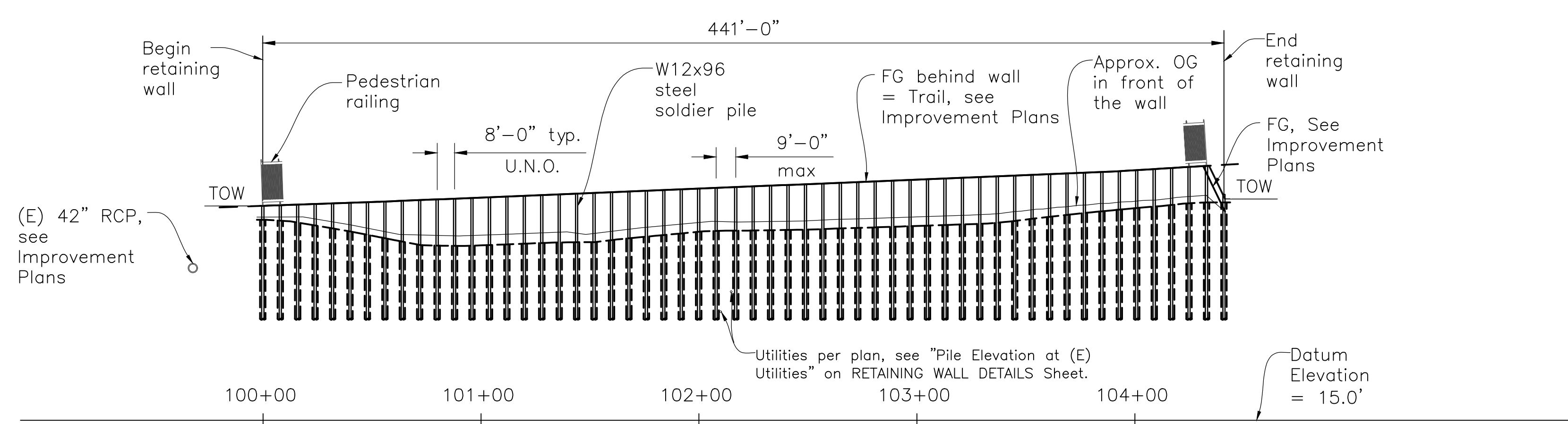


DESIGNED BY: CDI	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS NOTED
CHECKED BY: TLS	ABUTMENT DETAILS	DATE: 1/31/18
DRAWN BY: CDI	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	FILE NO: 1/XXXX
REVISION	DATE	555 COUNTY CENTER, 5TH FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS, ORIGINAL SCALE IS IN INCHES

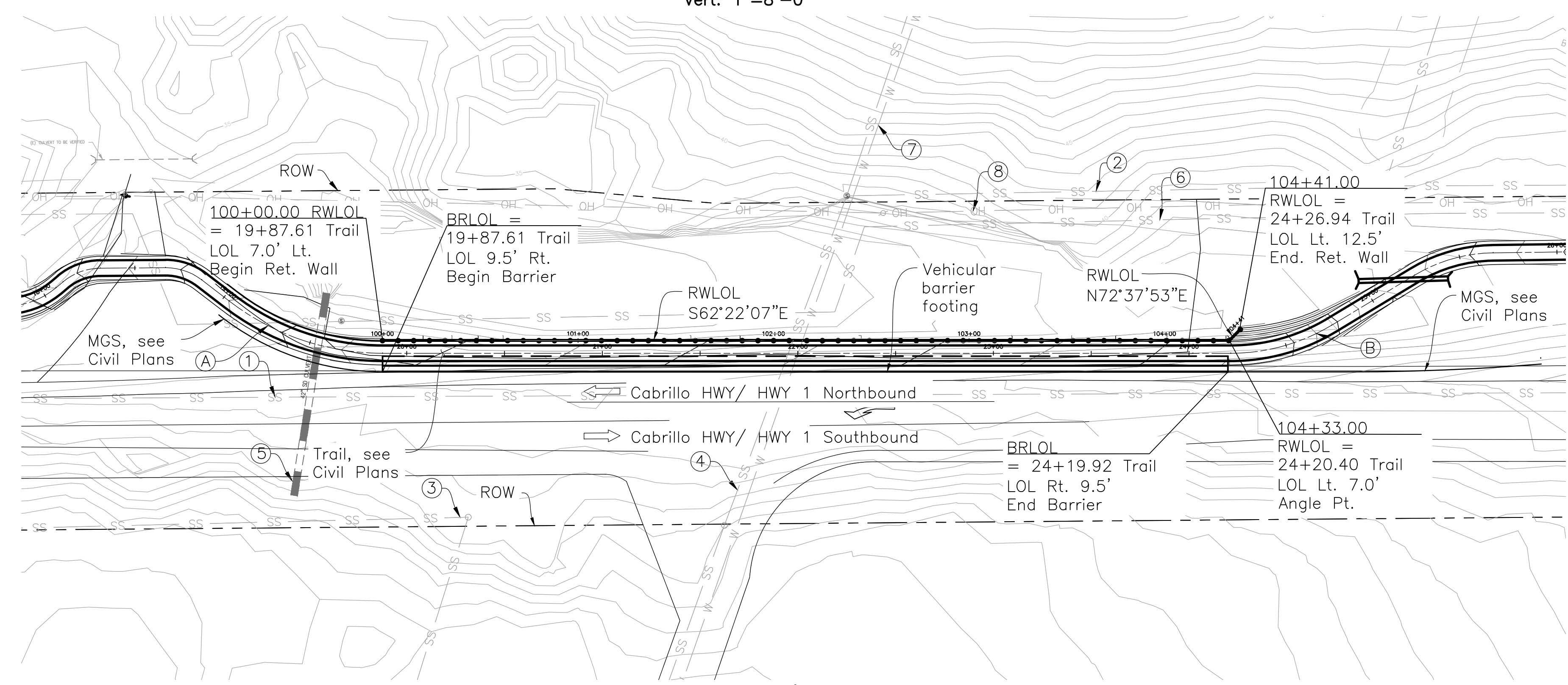


APPROVED: _____
 DATE: _____
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2017



DEVELOPED MIRRORED ELEVATION

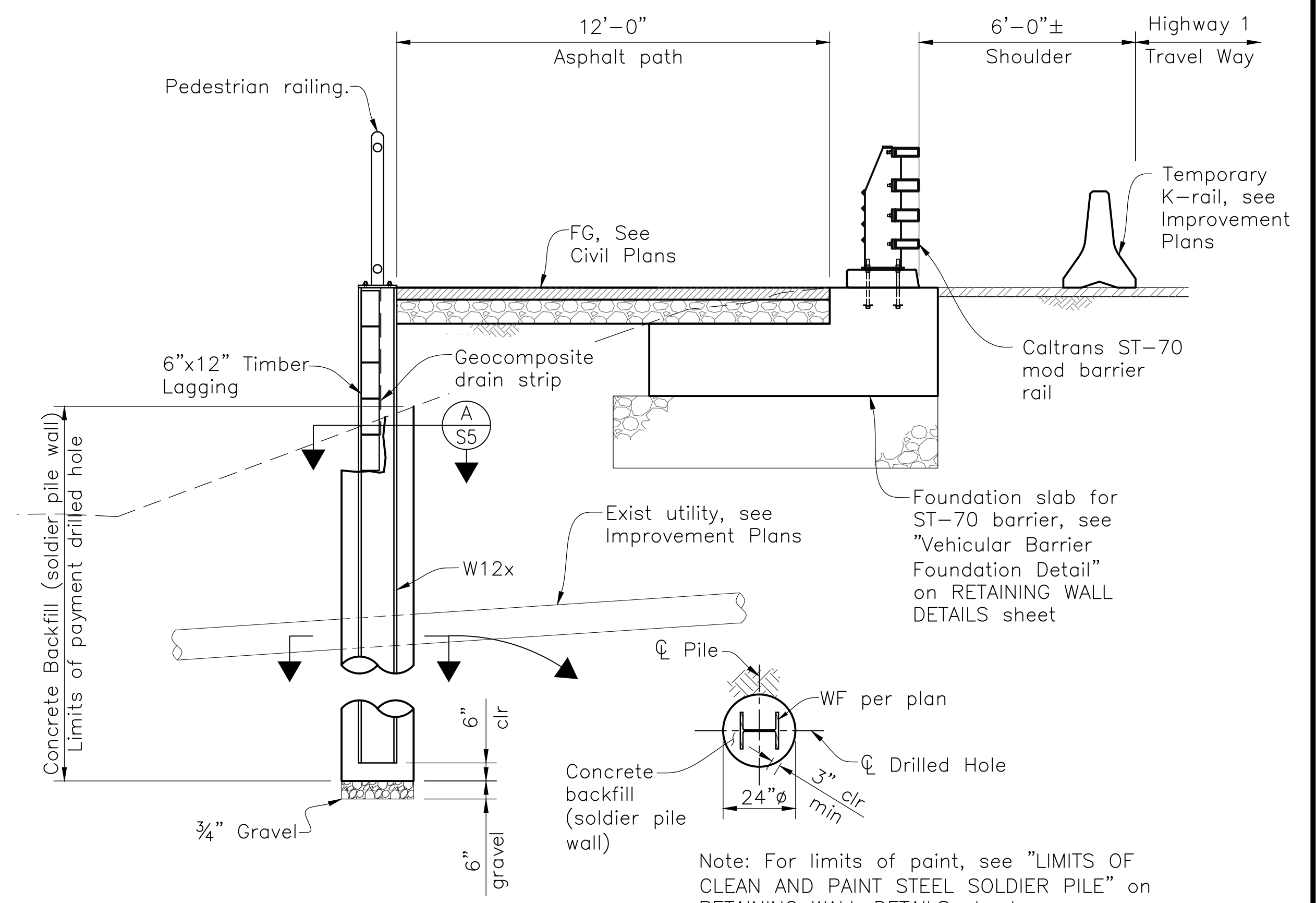
Horiz: 1"=40'-0"
 Vert: 1"=8'-0"



PLAN
 1"=40'-0"

CURVE DATA			
CURVE	R	Δ	L
(A)	128.50'	37°32'07"	84.18'
(B)	100.00'	31°04'44"	54.24'

Verify Curve Data with Civil Plans



TYPICAL SECTION

3/8"=1'-0"

Notes:

- For additional layout & finish grade information see Improvement Plans.
- Contractor to verify all existing conditions in the field and inform the Engineer of any discrepancies with the plans.
- Contractor to field verify limits of drilled hole
- The contractor shall 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 Improvement Plans and pot hole areas as proposed on the Improvement Plans.
- Contours shown on plan are existing and proposed, see Improvement Plans

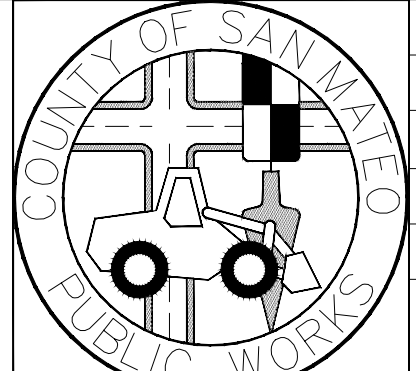
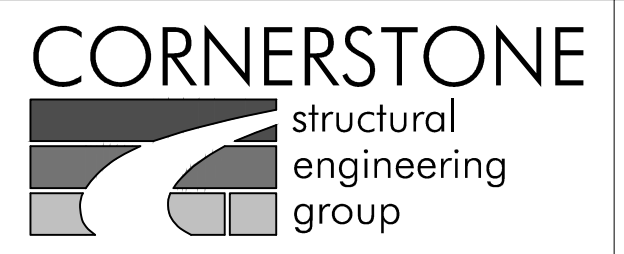
SOIL CRITERIA FOR DESIGN: Per Draft Foundation Report provided by Parikh, dated 1/22/2018:

Soldier Pile Wall:	
Soil Unit Weight	= 120 pcf (retained soil)
	= 60 pcf (below design grade)
Active equivalent Fluid Pressure (drained)	= 36 pcf
Passive pressure	= 300 pcf (top 5 feet)
	= 540 pcf (below top 5 feet)
Arching factor	= 2 (top 5 feet)
	= 3 (below top 5 feet)
Traffic Load	= 40 psf (from H10 vehicle)
	= 38 psf (from H10 on trail)
Incremental Seismic Earth Pressure	= 30 pcf

Vehicular Barrier:	
Nominal Bearing Capacity	= 5 ksf
Friction Coefficient	= 0.45 (between footing and AB)
Nominal Passive Earth Pressure	= 500 pcf

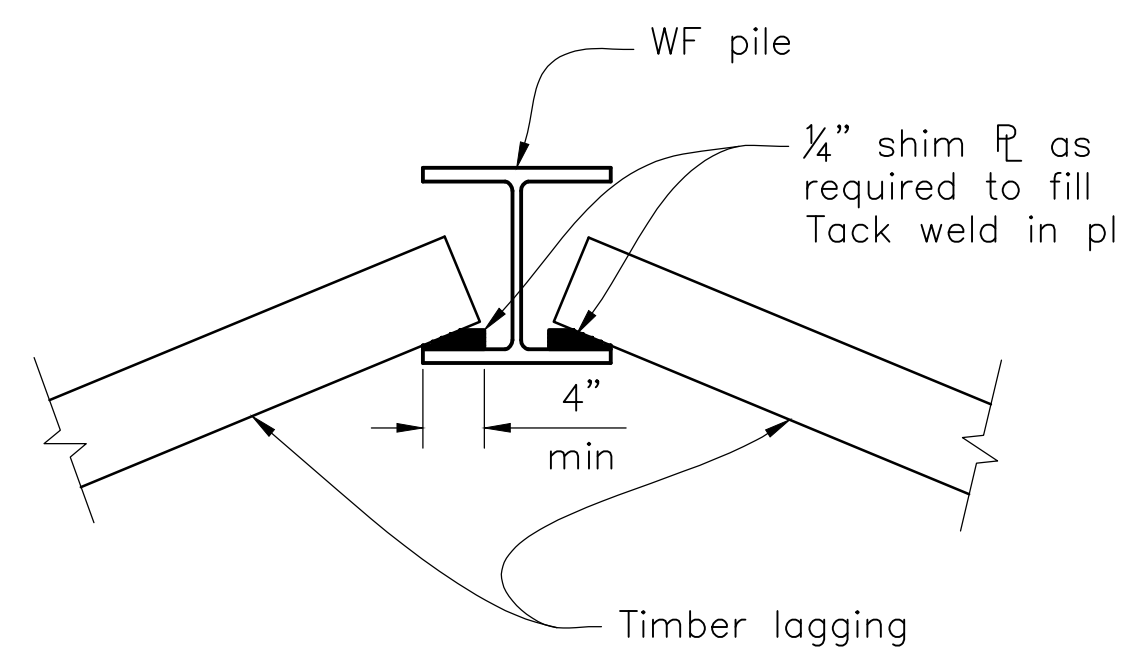
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- Legend:**
- | | |
|---|---|
| ① Existing Sanitary Sewer Line, see Civil Plans | ⑤ Existing 42" RCP, see Civil Plans |
| ② Existing Sanitary Sewer Line, see Civil Plans | ⑥ Existing Sanitary Sewer Line, see Civil Plans |
| ③ Existing Sanitary Sewer Line, see Civil Plans | ⑦ Existing 10" Water Line, see Civil Plans |
| ④ Existing 10" Sanitary Sewer Line, see Civil Plans | ⑧ Existing Overhead Line, see Civil Plans |

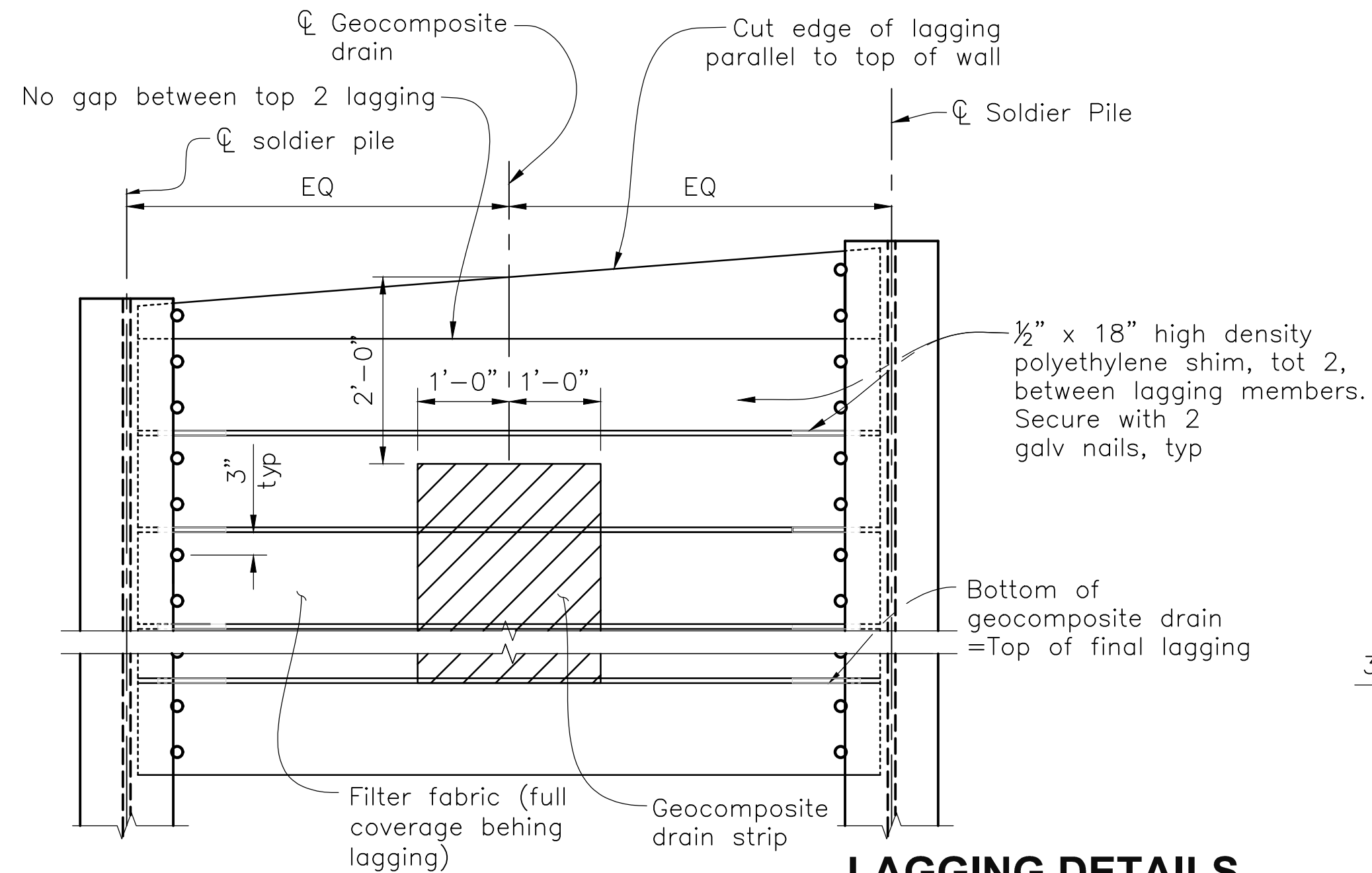


DESIGNED BY: CDI	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS NOTED
CHECKED BY: TLS	GENERAL PLAN - RETAINING WALL	DATE: 1/31/18
DRAWN BY: CDI		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		S4 SHEET 35 OF 36

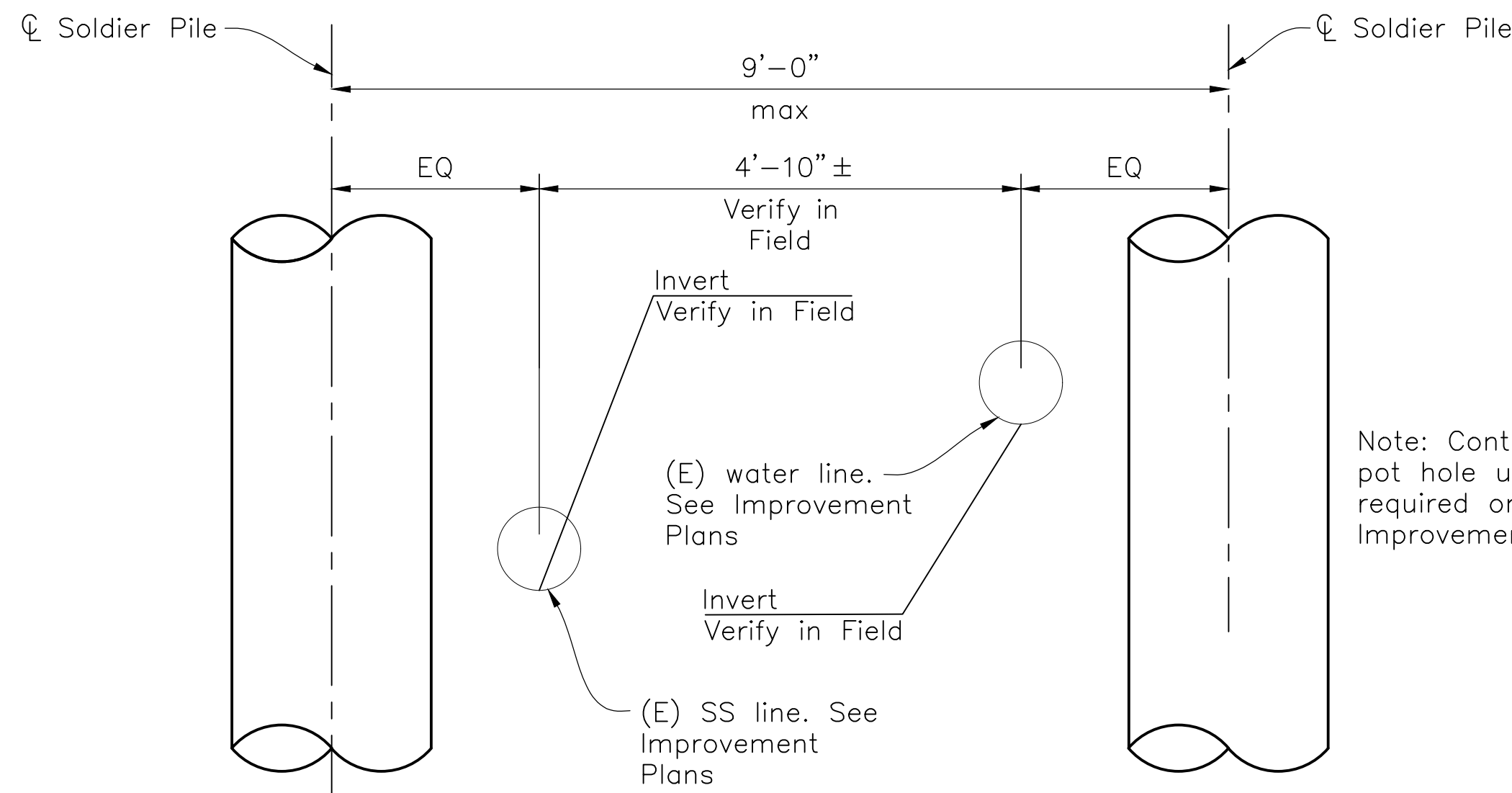
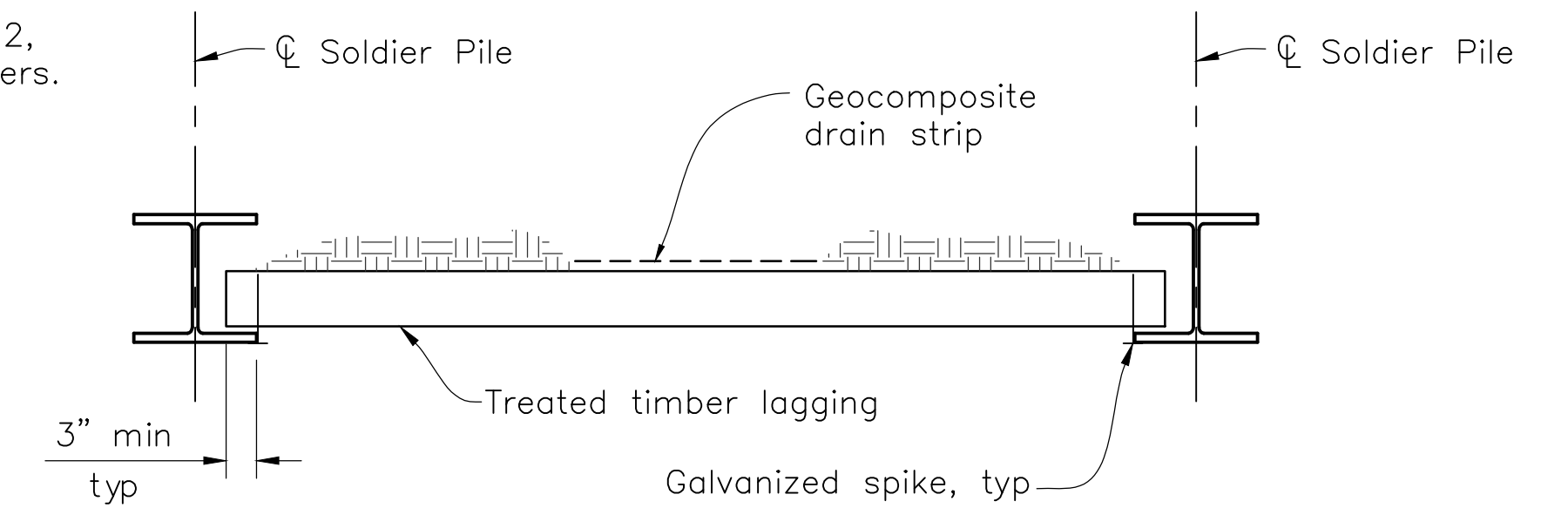
DRAWING NAME: W:\2018\20180513 San Mateo Co. Multi-Modal Trail\04-General Plan-Retaining Wall.dwg PLOT TIME: 01-31-18



DETAIL 1
1"=1'-0"



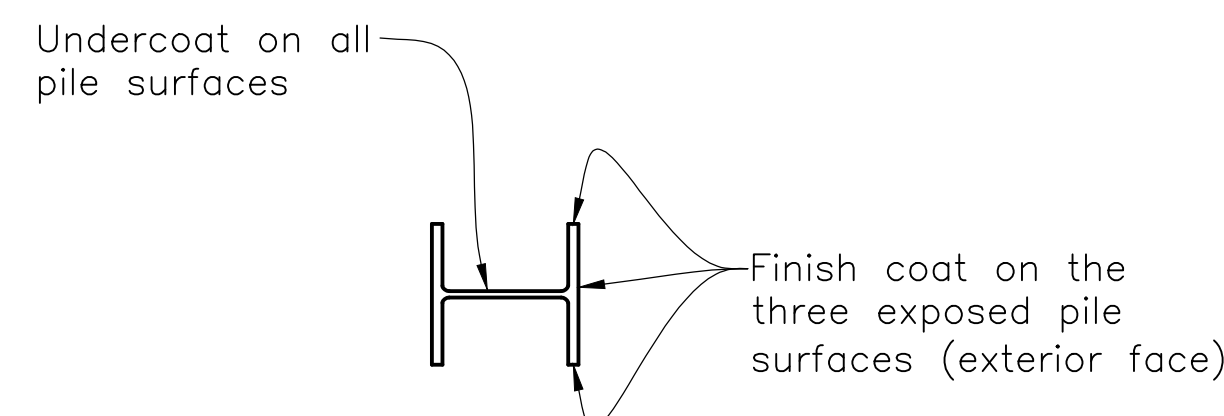
LAGGING DETAILS 2
3/4"=1'-0"



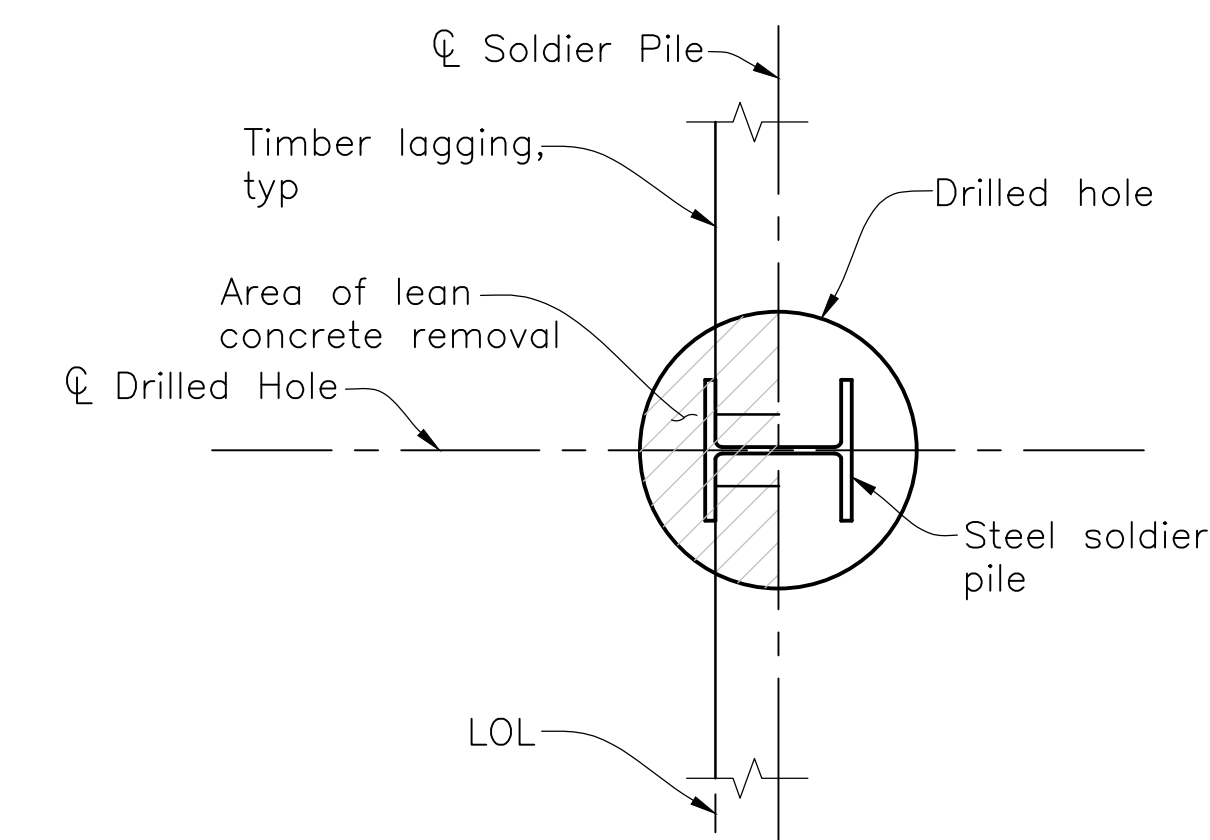
PILE ELEVATION @ (E) UTILITIES
1"=1'-0"

NOTE:

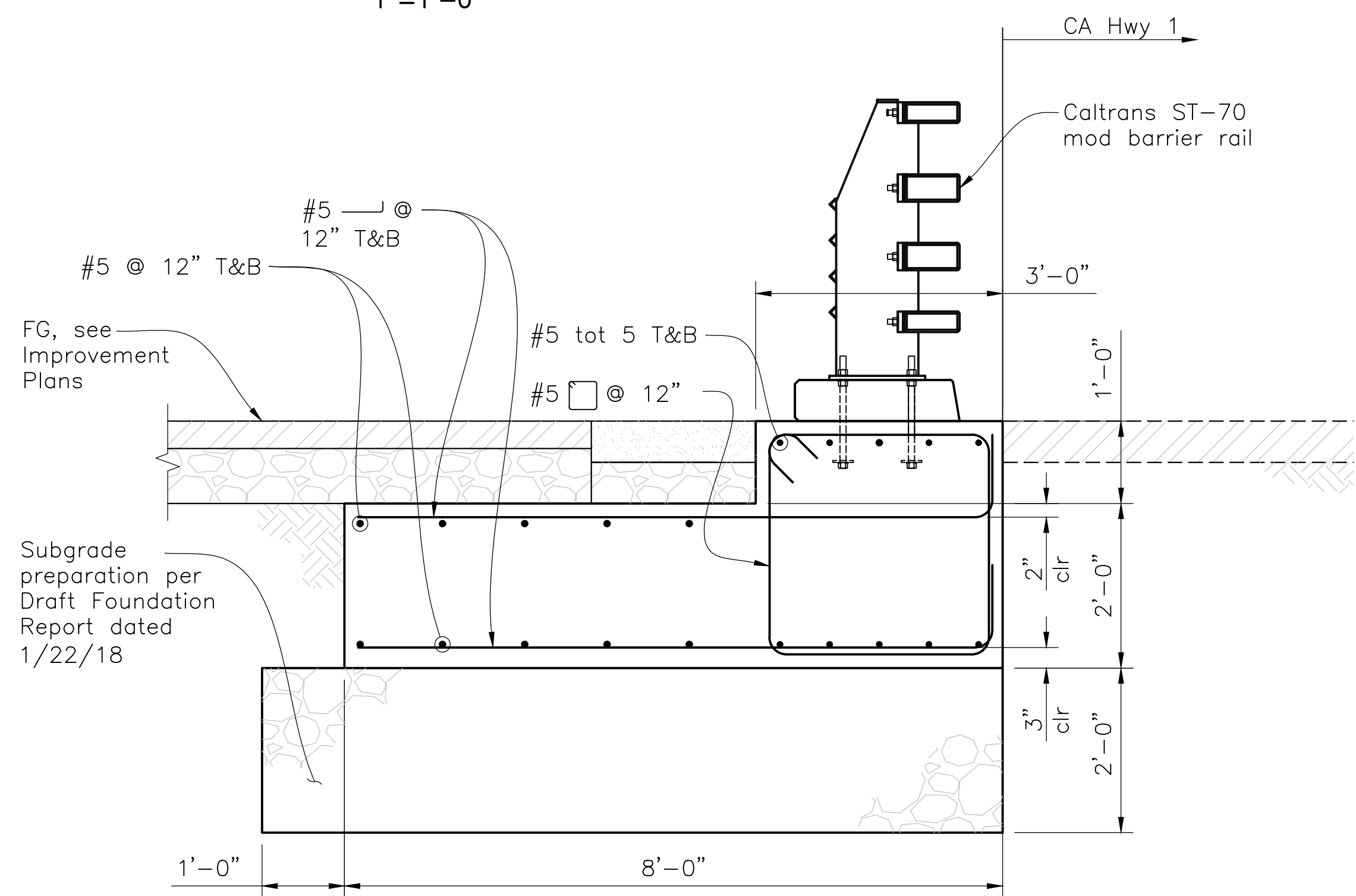
(A) Clean and paint Steel Soldier Pile from top of pile to 5'-0" min below bottom of lagging



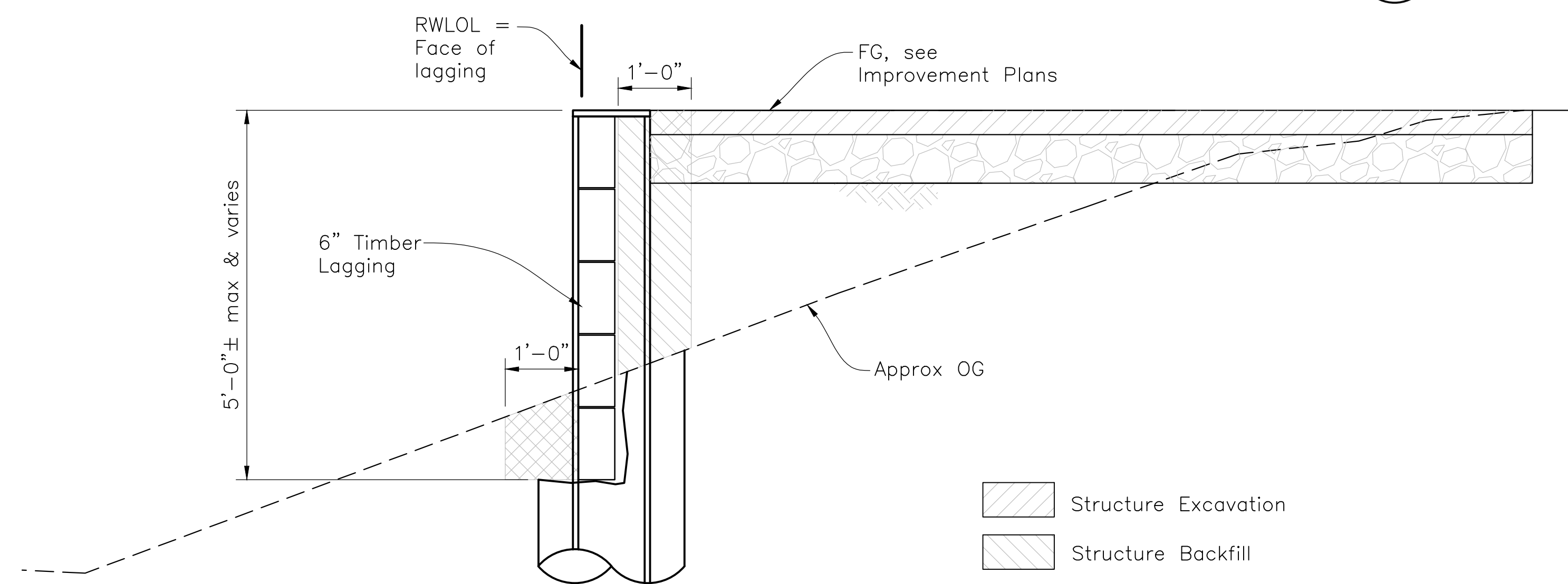
LIMITS OF CLEAN & PAINT STEEL SOLDIER PILE
NO SCALE



SECTION A
1"=1'-0"



VEHICULAR BARRIER FOUNDATION DETAIL 4
3/4"=1'-0"



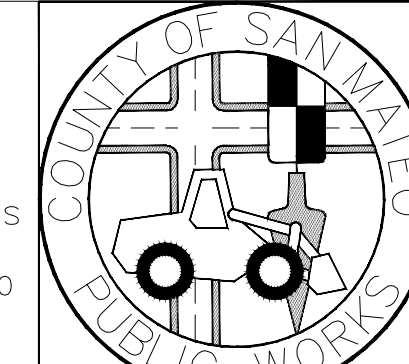
EXCAVATION / BACKFILL DIAGRAM
3/4"=1'-0"

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CHECKED BY:	TLS
DRAWN BY:	CDI

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

MIDCOAST MULTI-MODAL TRAIL
RETAINING WALL DETAILS
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

