

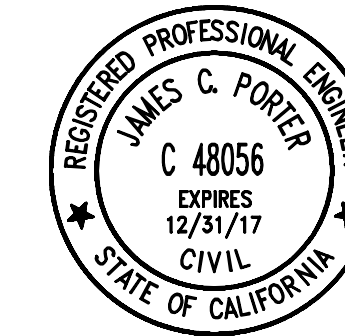
# SAN MATEO COUNTY CALIFORNIA

## 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



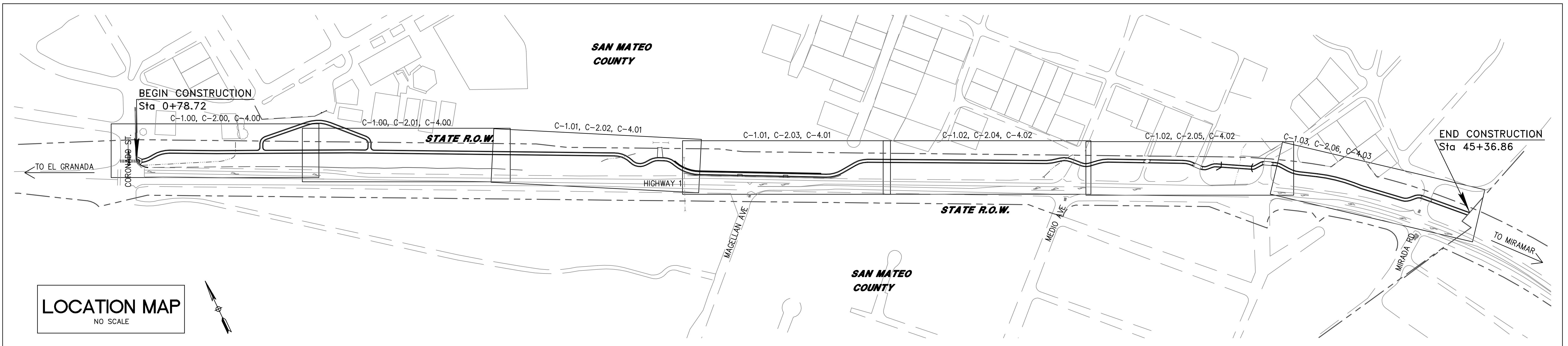
APPROVED:

DATE:

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

**SHEET INDEX:**

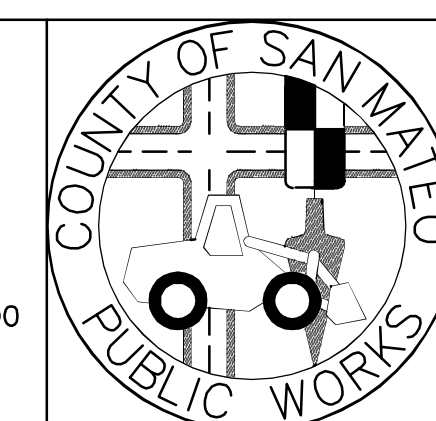
- C-0.0 TITLE SHEET
- C-0.01 NOTES, ABBREVIATIONS, AND LEGENDS
- C-0.02 TYPICAL SECTIONS
- C-1.00 EXISTING CONDITION/DEMOLITION PLAN STA 0+00 TO STA 12+75
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- C-6.01 DETAILS
- S1 GENERAL PLAN - BRIDGE
- S2 GENERAL PLAN - RETAINING WALL



**30% SUBMITTAL - FOR REVIEW ONLY**

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

**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: 5/20/16
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
		<b>C-00</b> SHEET 1 OF 24

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**PROJECT DESCRIPTION:**

THE PROPOSED MIDCOAST MULTI-MODAL TRAIL IMPROVEMENTS PROJECT SHALL IMPLEMENT AN ASPHALT CONCRETE TRAIL PARALLEL TO HIGHWAY 1 TO PROVIDE A SAFE ACCESS 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  
WATER: COASTSIDE COUNTY WATER DISTRICT  
SANITARY SEWER: SEWER AUTHORITY MID-COASTSIDE  
GRANADA SANITARY DISTRICT  
GAS/ELECTRIC: PACIFIC GAS & ELECTRIC

REFERENCES:  
GEOTECHNICAL REPORT PREPARED BY PARIKH CONSULTANTS, INC. TITLED \_\_\_\_\_ AND DATED \_\_\_\_\_

**ESTIMATED EARTHWORK:**

FILL = XXXX CY±

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

**REQUIRED PERMITS:**

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

**EXISTING TOPOGRAPHY**

THE EXISTING TOPOGRAPHY IS BASED ON AN AERIAL LIDAR PERFORMED BY UNITED STATES GEOLOGICAL SURVEY DATED 14-JUL-2010.

**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 QUJE 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).

**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
CL	CENTERLINE	LT	LEFT
Ø	DIAMETER	LOL	LAYOUT LINE
#	NUMBER	LP	LOW POINT
6" T	6" DIAMETER TREE	MAX	MAXIMUM
AC	ASPHALTIC CONCRETE	MIN	MINIMUM
ALT	ALTERNATE	MH	MANHOLE
APPROX	APPROXIMATE	MON	MONUMENT
BC	BEGINNING OF CURVE	(N)	NEW
BLDG	BUILDING	NO.	NUMBER
BW	BACK OF WALK	NT	NO TAG
CB	CATCH BASIN	NTS	NOT TO SCALE
CONC	CONCRETE	OH, O/H	OVERHEAD
CP	CONCRETE PAD	PCC	PORTLAND CEMENT CONCRETE
CY	CUBIC YARD	PL, P/L	PROPERTY LINE
DBL	DOUBLE	PR, PROP	PROPOSED
DI	DISTANCE	RCP	REINFORCED CONCRETE PIPE
DW, D/W, DWY	DRIVEWAY	RIM	RIM ELEVATION
E, ELEC	ELECTRIC	RT	RIGHT
(E), EX, EXIST	EXISTING	R/W, R.O.W.	RIGHT OF WAY
EASE	EASEMENT	RW	RETAINING WALL
EC	END OF CURVE	SD	STORM DRAIN
EG	EXISTING GROUND	SDMH	STORM DRAIN MANHOLE
EL, ELEV	ELEVATION	SL	STREETLIGHT
EP	EDGE OF PAVEMENT	SS	SANITARY SEWER
ETW	EDGE OF TRAVELWAY	SSCO	SANITARY SEWER CLEANOUT
FC	FACE OF CURB	SSMH	SANITARY SEWER MANHOLE
FG	FINISH GRADE	STA	STATION
FH	FIRE HYDRANT	STD	STANDARD
FL	FLOW LINE	SOFT.	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	W	WATER

**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	×101	×101
TRANSFORMER	⊞	⊞
ELECTRICAL	—E—	—E—
JOINT TRENCH	—JT—	—JT—
OVERHEAD TELEPHONE	—OH—	—OH—
GAS	—G—	—G—
SWALE	---	---
ELECTROLIER	⊙	⊙
TRAFFIC SIGNAL	⊞	⊞
TRAFFIC SIGN	—	—
FENCE	—x—x—x—x—x—x—	—x—x—x—x—x—x—
TREE	⊗	⊗
TREE DEMO	⊗	⊗



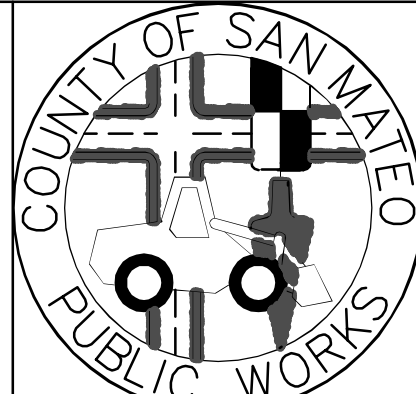
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DATE: \_\_\_\_\_  
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R. C. E. # 48056 / EXPIRES 12-31-2017



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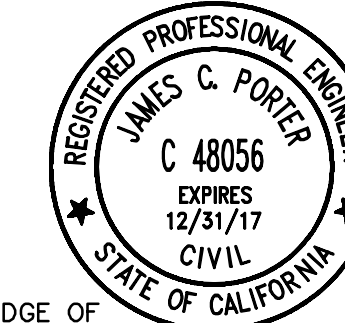
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BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

**BKF**  
ENGINEERS / SURVEYORS / PLANNERS  
255 SHORELINE DRIVE, SUITE 200  
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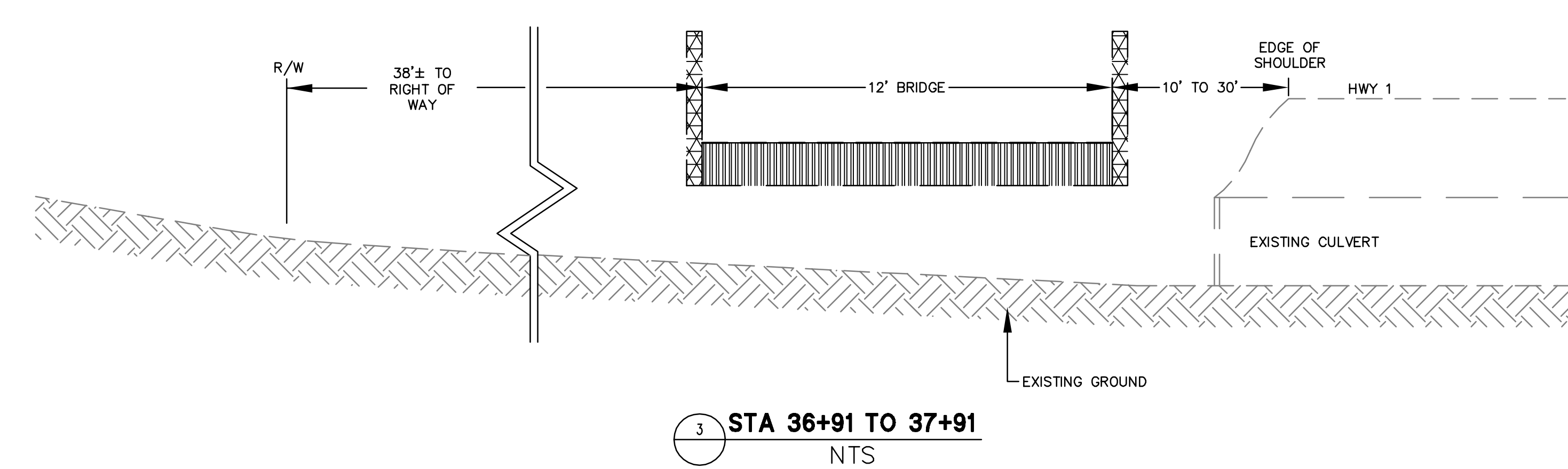
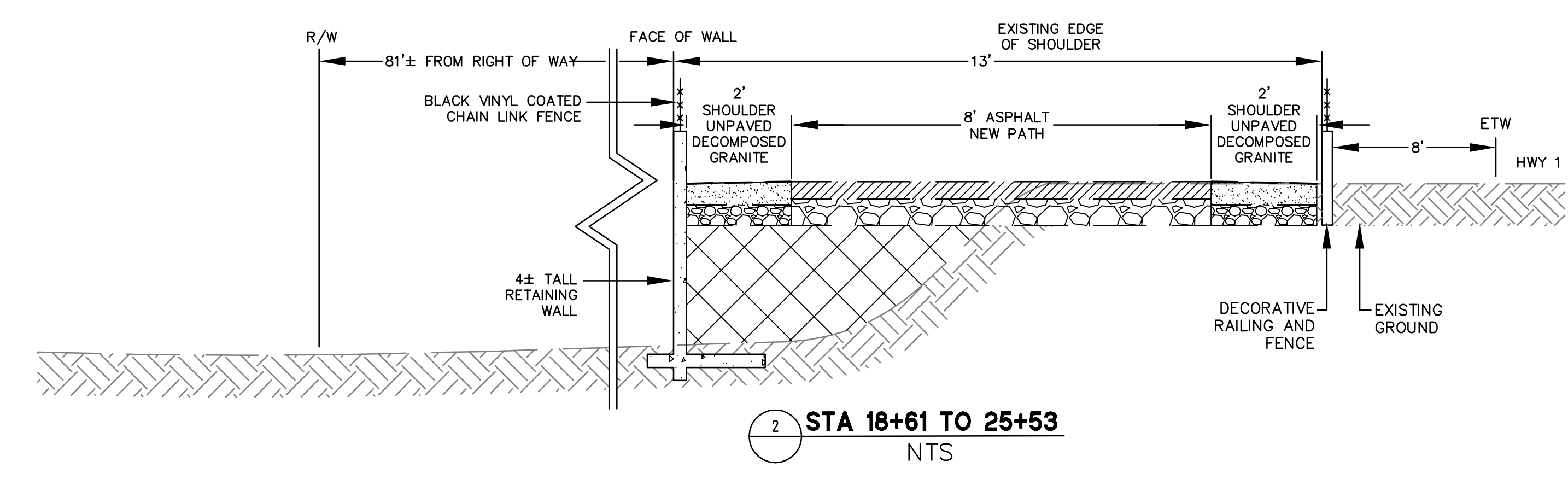
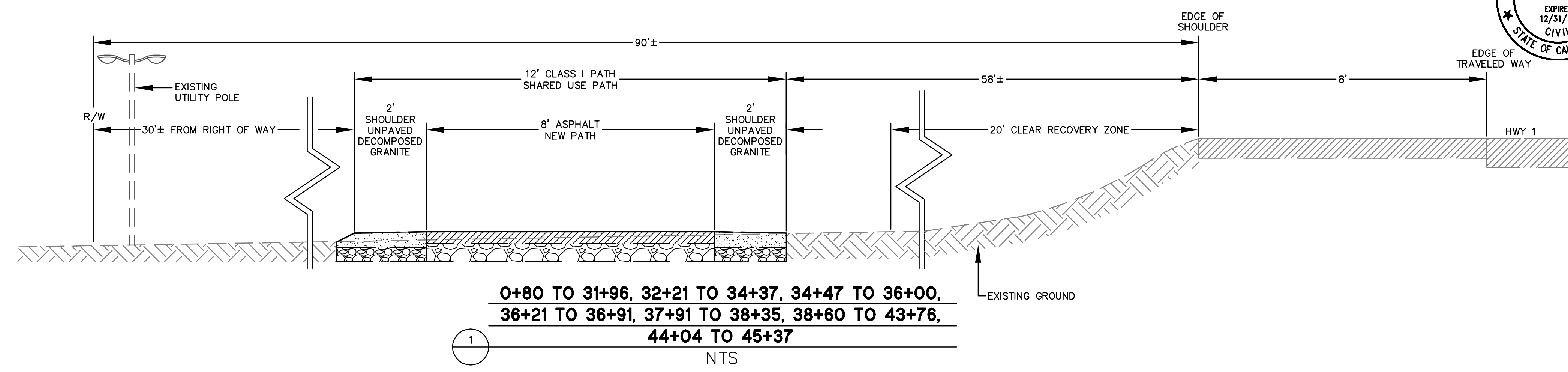


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	NOTES, ABBREVIATIONS, & LEGEND	DATE: 5/20/16
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR	
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-01
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DRAWING NAME: PROJECT TIME: DATE: 5/20/16



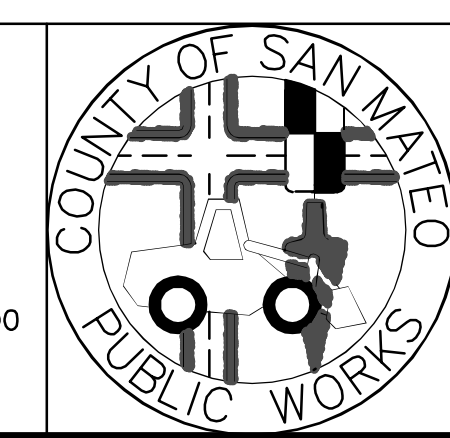
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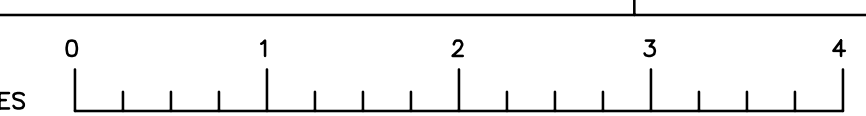
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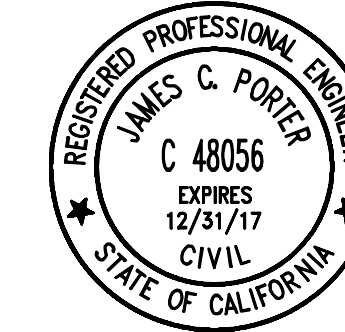
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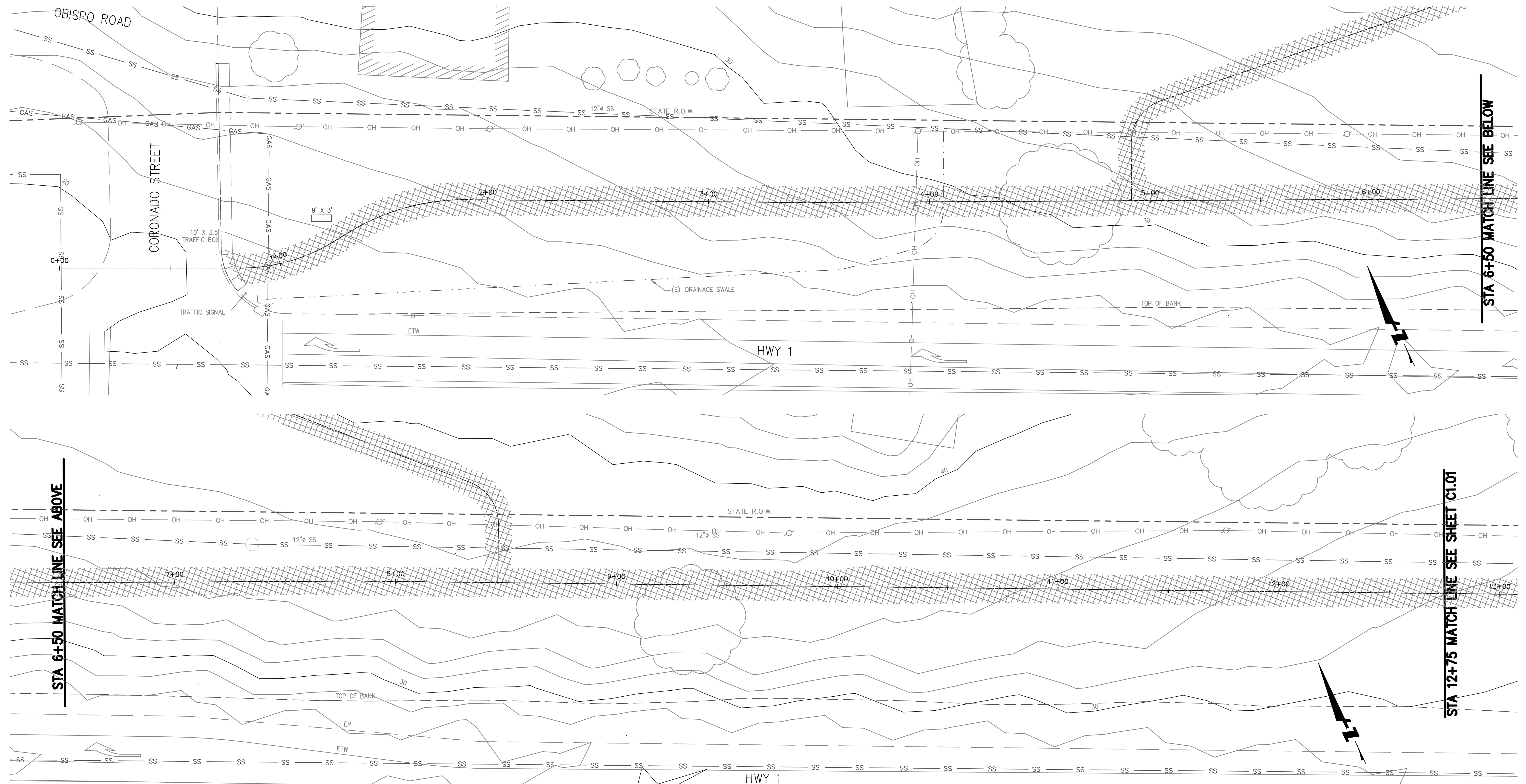
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REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		C-02
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				SHEET 3 OF 24



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 05-20-16  
 DRAWN BY: FC  
 PLOT TIME:



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



STA 6+50 MATCH LINE SEE ABOVE

STA 12+75 MATCH LINE SEE SHEET C1.01

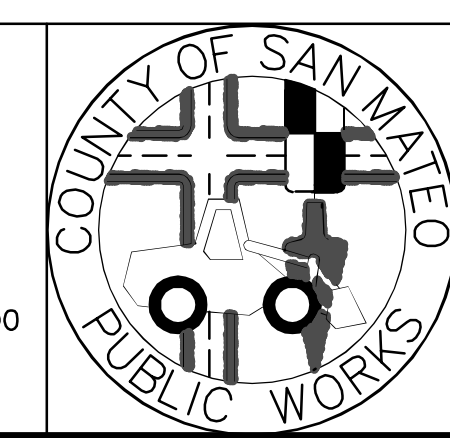
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**DEMOLITION LEGEND**  
 CLEARING AND GRUBBING

**GRAPHIC SCALE**

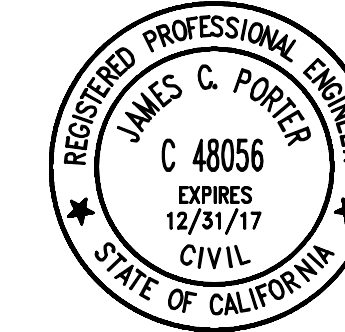
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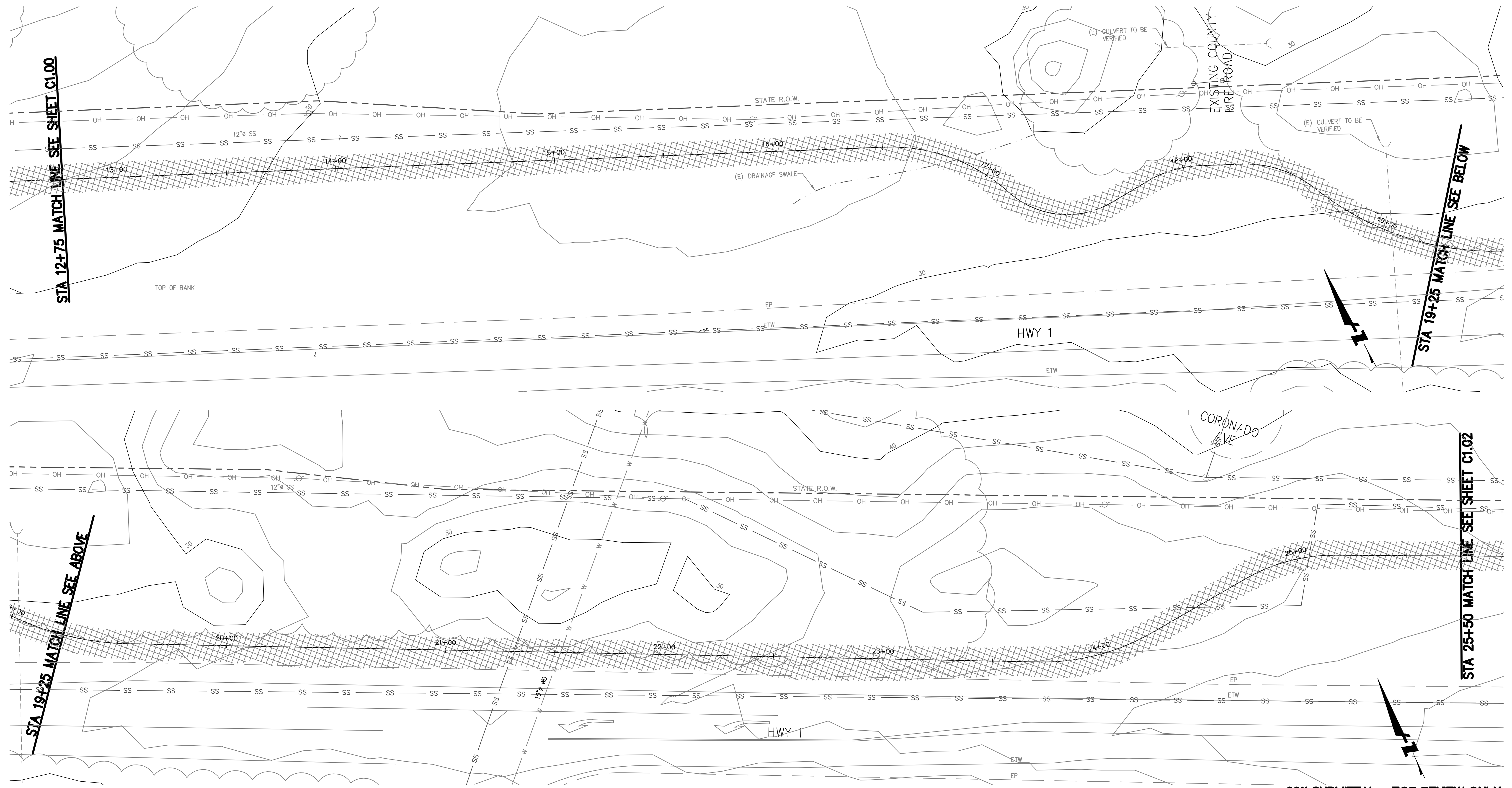


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CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN	DATE: 5/20/16
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SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
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		SHEET 4 OF 24

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



STA 12+75 MATCH LINE SEE SHEET C1.00

STA 19+25 MATCH LINE SEE BELOW

STA 19+25 MATCH LINE SEE ABOVE

STA 25+50 MATCH LINE SEE SHEET C1.02

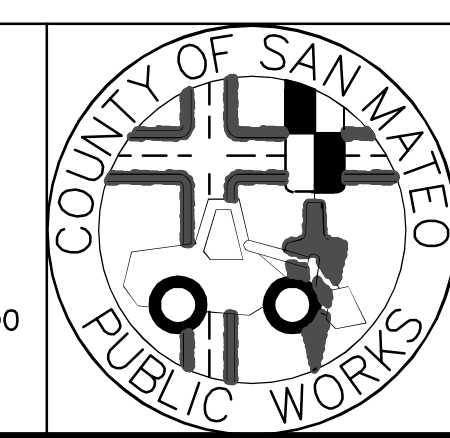
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**DEMOLITION LEGEND**  
 CLEARING AND GRUBBING

**GRAPHIC SCALE**  
 0 20 40

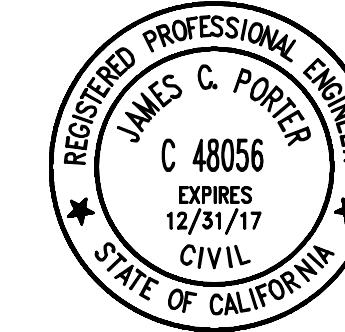
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JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

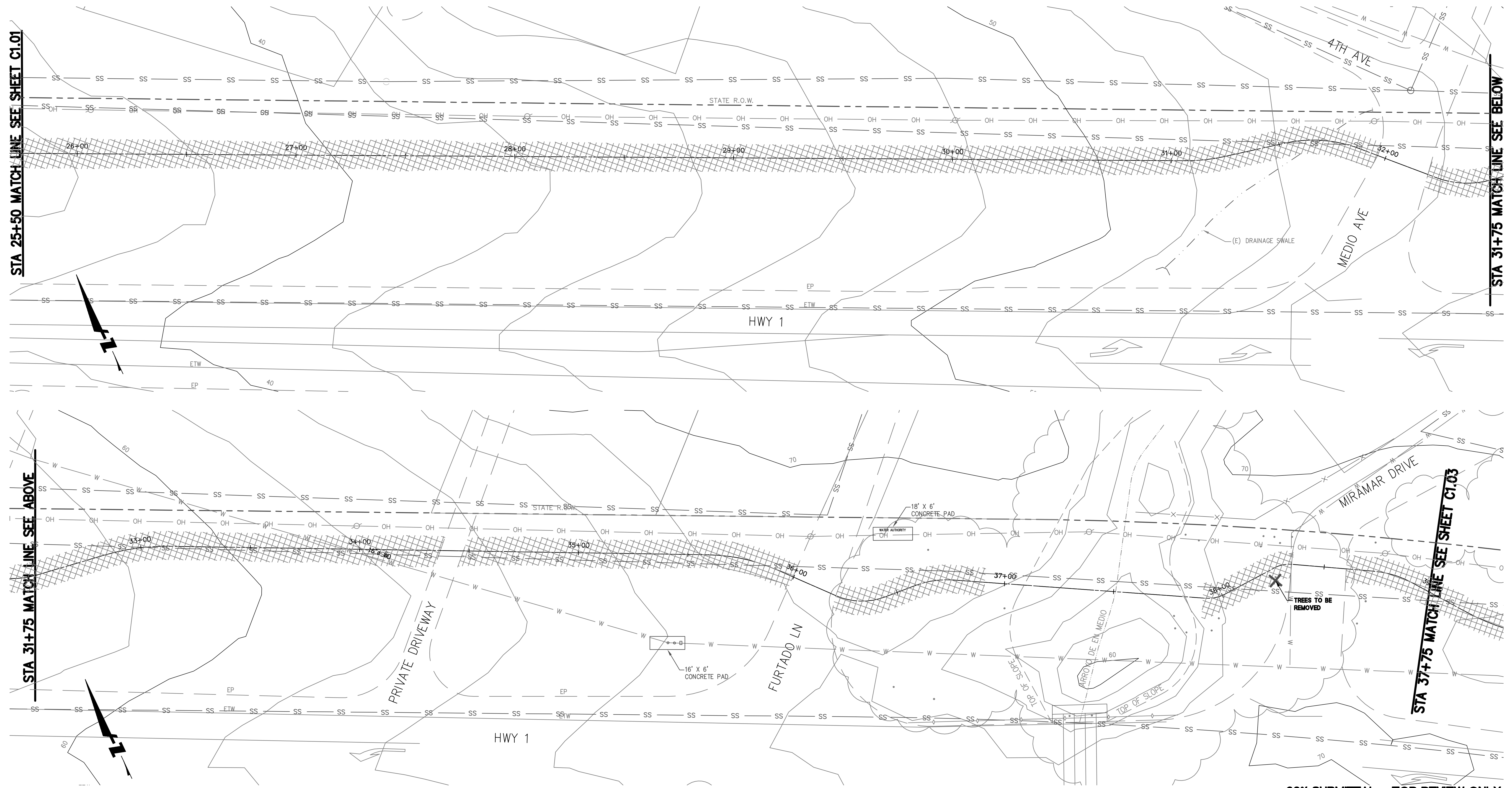


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN	DATE: 5/20/16
DRAWN BY: FC	STA 12+75 TO STA 25+75	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR	
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		<b>C-101</b>
		SHEET 5 OF 24

DRAWING NAME: C:\SANMATEO\PROJECTS\16\_0501\16\_0501\_1101.DWG, PLOT TIME: 05-20-16 09:52:18



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



STA 25+50 MATCH LINE SEE SHEET C1.01

STA 31+75 MATCH LINE SEE BELOW

STA 31+75 MATCH LINE SEE ABOVE

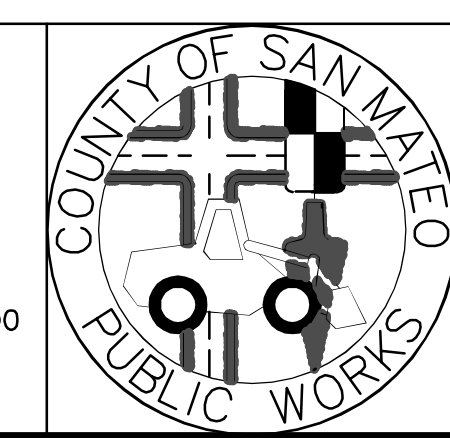
STA 37+75 MATCH LINE SEE SHEET C1.03

**DEMOLITION LEGEND**  
 CLEARING AND GRUBBING

**GRAPHIC SCALE**

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

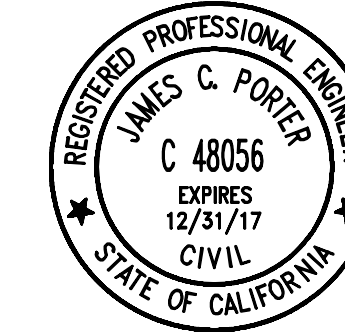
**BKF**  
 ENGINEERS / SURVEYORS / PLANNERS  
 255 SHORELINE DRIVE, SUITE 200  
 REDWOOD CITY, CA 94065  
 (650) 482-6300



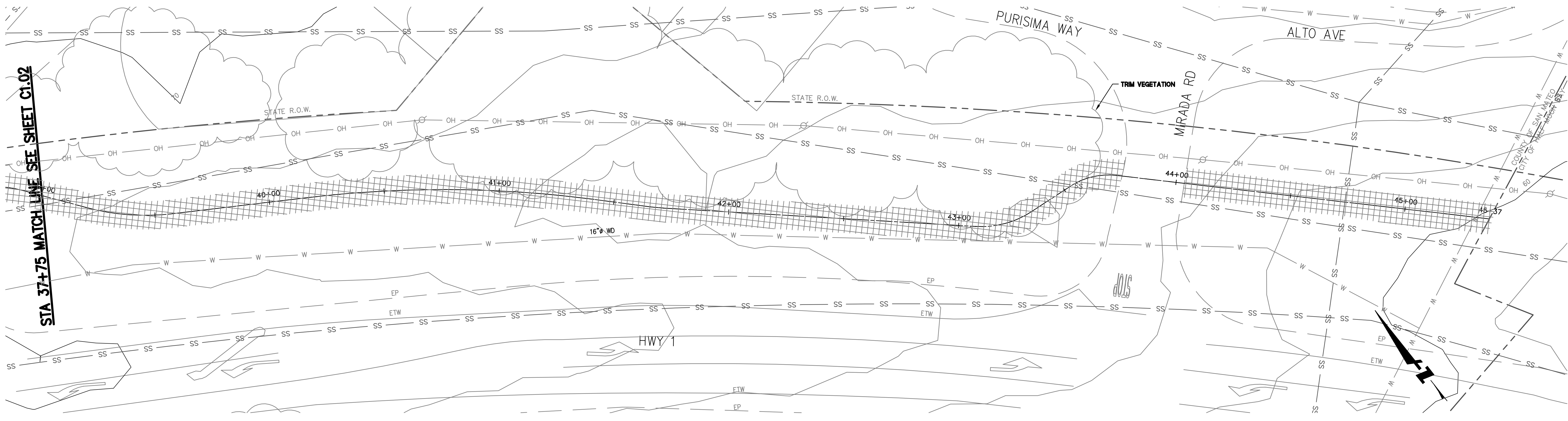
DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN	DATE: 5/20/16
DRAWN BY: FC	STA 25+75 TO STA 39+00	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		<b>C-102</b> SHEET 6 OF 24

30% SUBMITTAL - FOR REVIEW ONLY

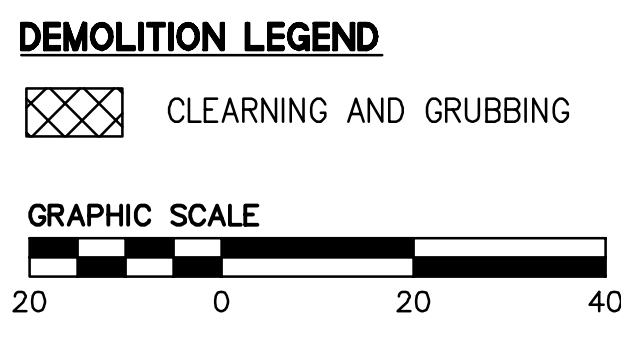
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017

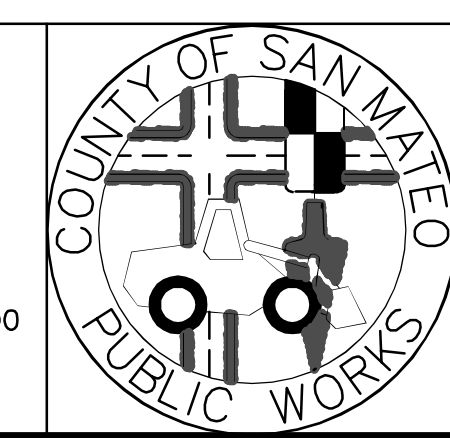


STA 37+75 MATCH LINE SEE SHEET C1.02



APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

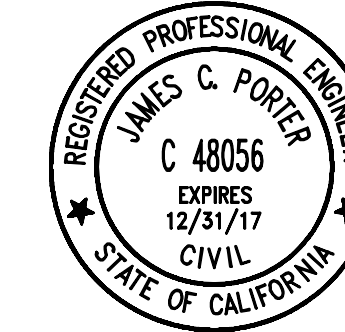
**BKF**  
 ENGINEERS / SURVEYORS / PLANNERS  
 255 SHORELINE DRIVE, SUITE 200  
 REDWOOD CITY, CA 94065  
 (650) 482-6300



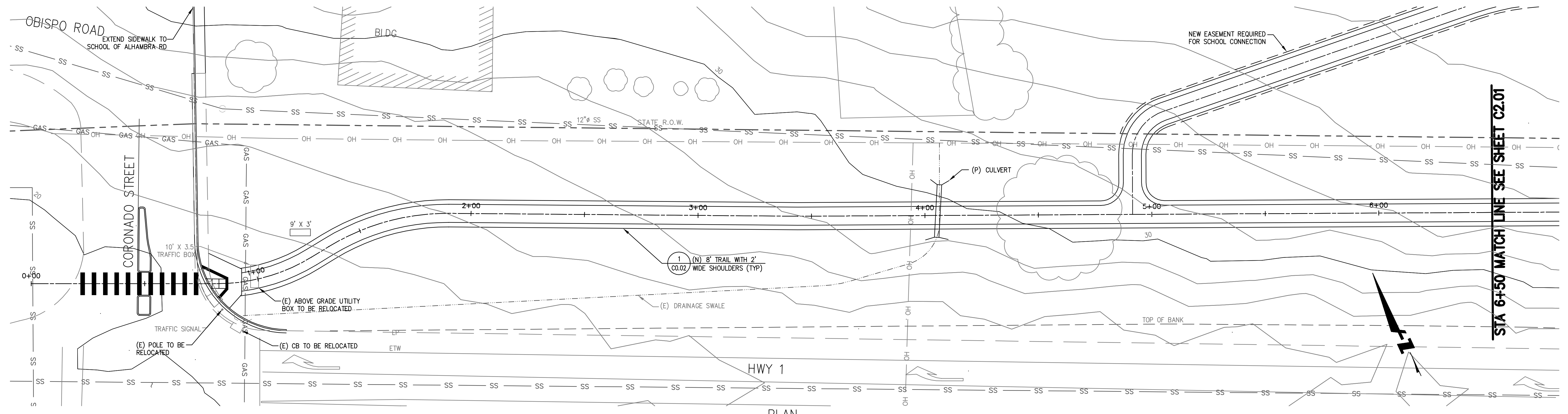
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CHECKED BY: JM	EXISTING CONDITION/DEMOLITION PLAN	DATE: 5/20/16
DRAWN BY: FC	STA 39+00 TO STA 45+60	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR	
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		<b>C-103</b> SHEET 7 OF 24

**30% SUBMITTAL - FOR REVIEW ONLY**

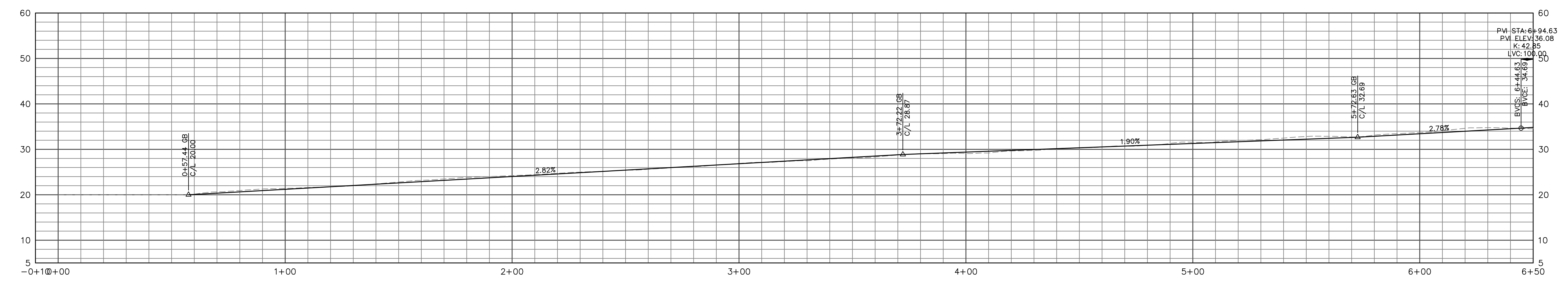
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



PLAN  
 SCALE: 1" = 20'

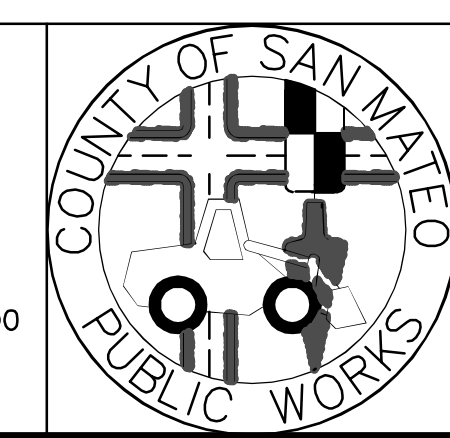


PROFILE  
 SCALE: HORIZONTAL 1" = 20'  
 VERTICAL 1" = 10'



APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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



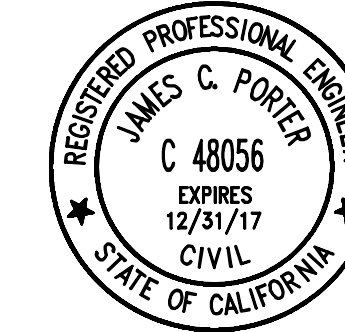
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CHECKED BY: JM		DATE: 5/20/16
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		<b>C-200</b> SHEET 8 OF 24

STA 6+50 MATCH LINE SEE SHEET C2.01

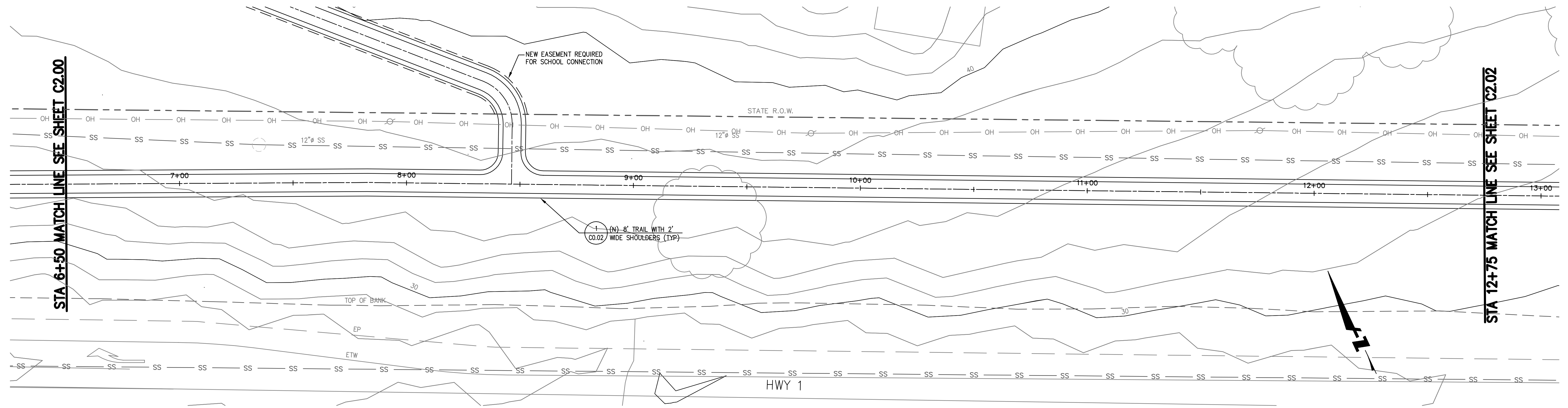
**30% SUBMITTAL - FOR REVIEW ONLY**

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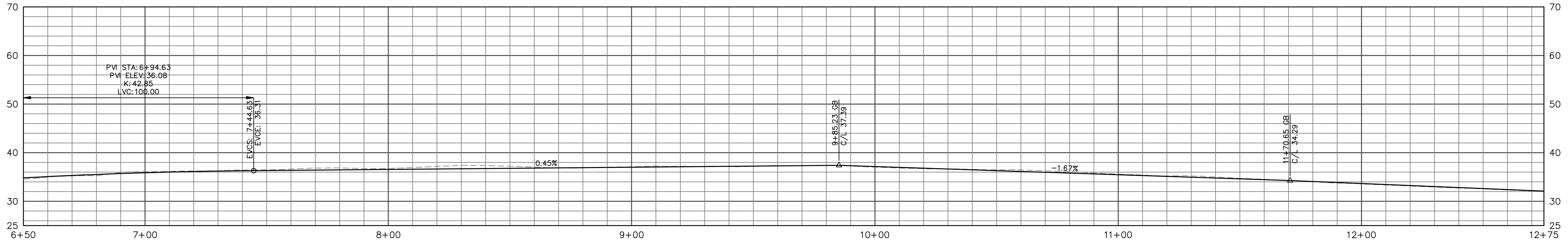




APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



PLAN  
 SCALE: 1" = 20'



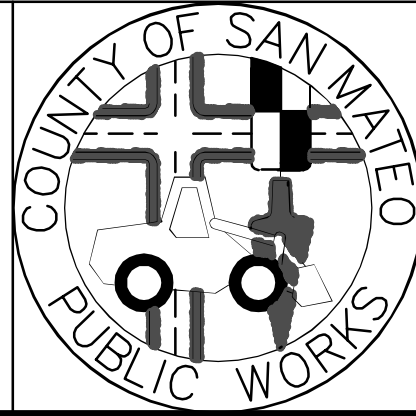
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 SCALE: HORIZONTAL 1" = 20'  
 VERTICAL 1" = 10'



30% SUBMITTAL - FOR REVIEW ONLY

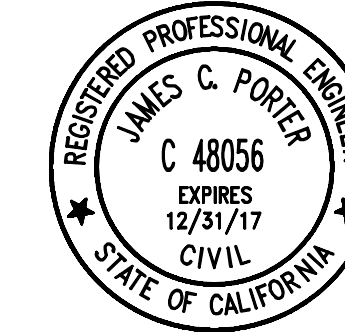
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

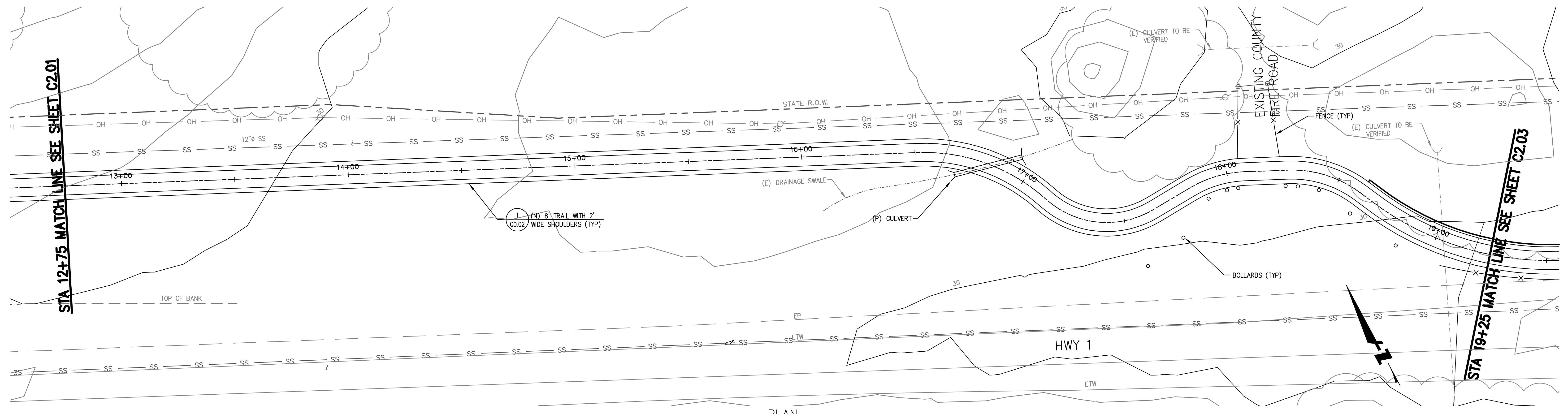


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	PLAN & PROFILE	DATE: 5/20/16
DRAWN BY: FC	STA 6+50 TO STA 12+75	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
SAN MATEO COUNTY		
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		<b>C-201</b> SHEET 9 OF 24

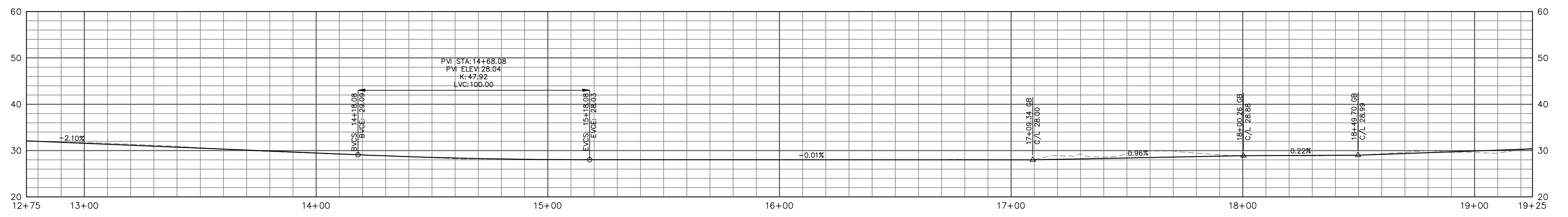
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



PLAN  
 SCALE: 1" = 20'



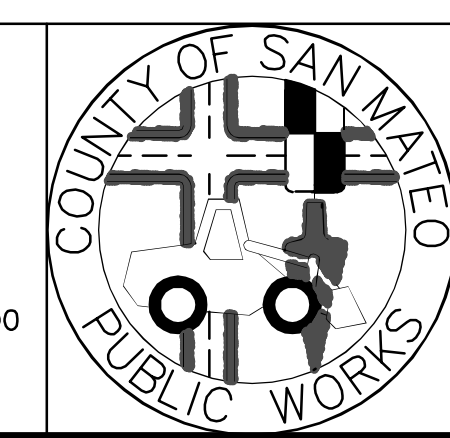
PROFILE  
 SCALE: HORIZONTAL 1" = 20'  
 VERTICAL 1" = 10'

30% SUBMITTAL - FOR REVIEW ONLY



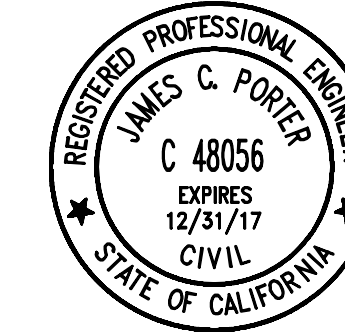
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

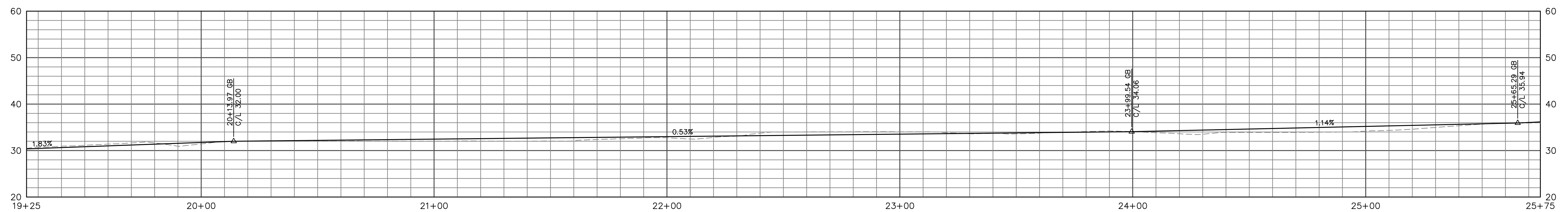
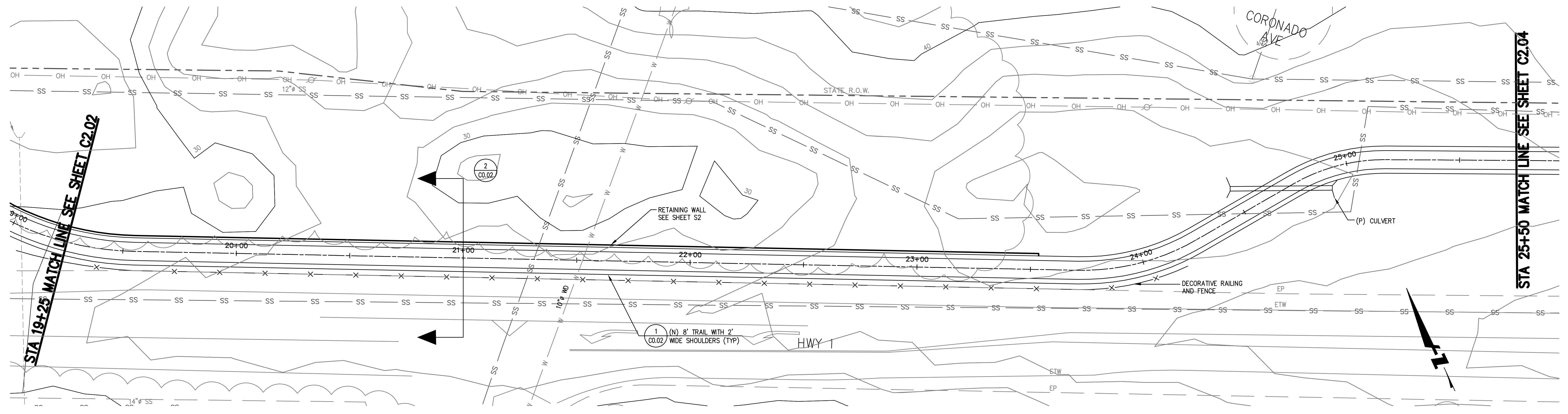


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	PLAN & PROFILE	DATE: 5/20/16
DRAWN BY: FC	STA 12+75 TO STA 19+25	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
SAN MATEO COUNTY		
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		<b>C-202</b> SHEET 10 OF 24

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



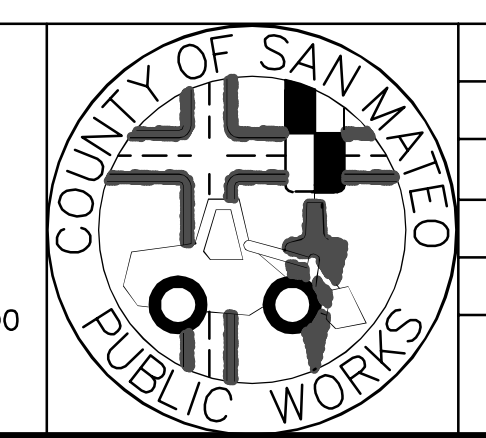
PROFILE  
 SCALE: HORIZONTAL 1" = 20'  
 VERTICAL 1" = 10'

**30% SUBMITTAL - FOR REVIEW ONLY**



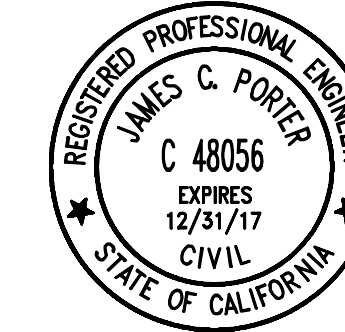
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

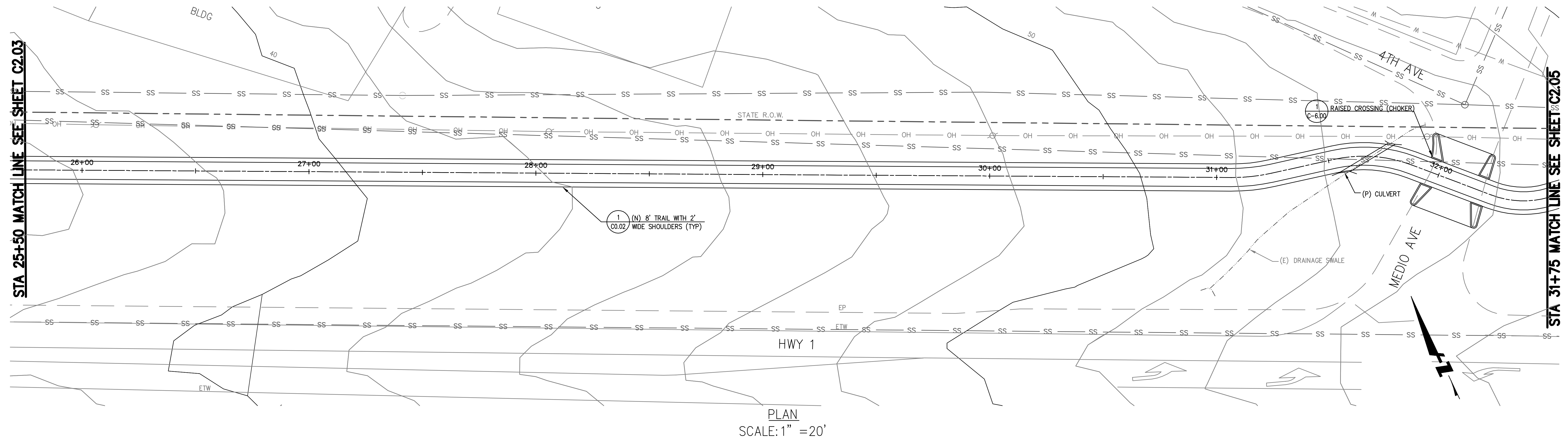


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	PLAN & PROFILE	DATE: 5/20/16
DRAWN BY: FC	STA 19+25 TO STA 25+75	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
SAN MATEO COUNTY		
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		<b>C-203</b> SHEET 11 OF 24

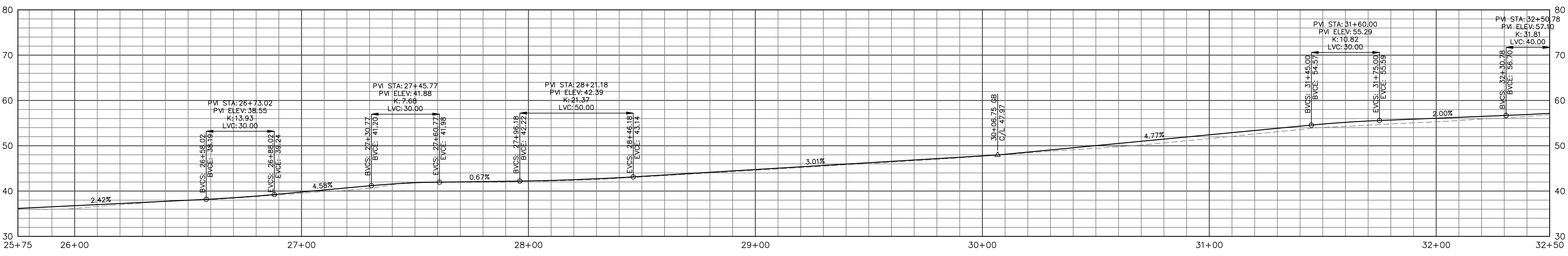
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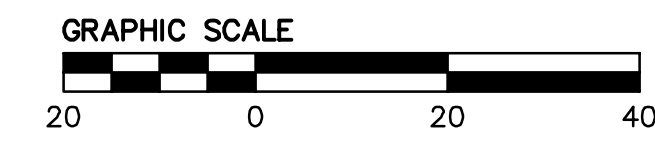
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



PLAN  
 SCALE: 1" = 20'



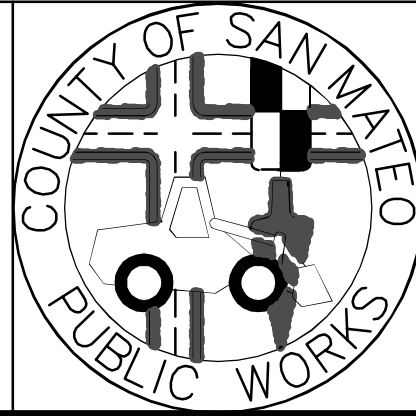
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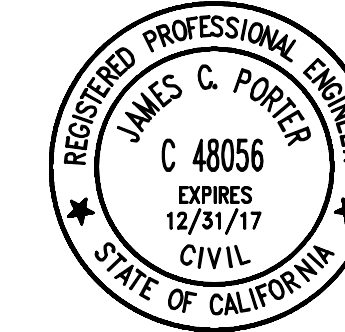
30% SUBMITTAL - FOR REVIEW ONLY

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

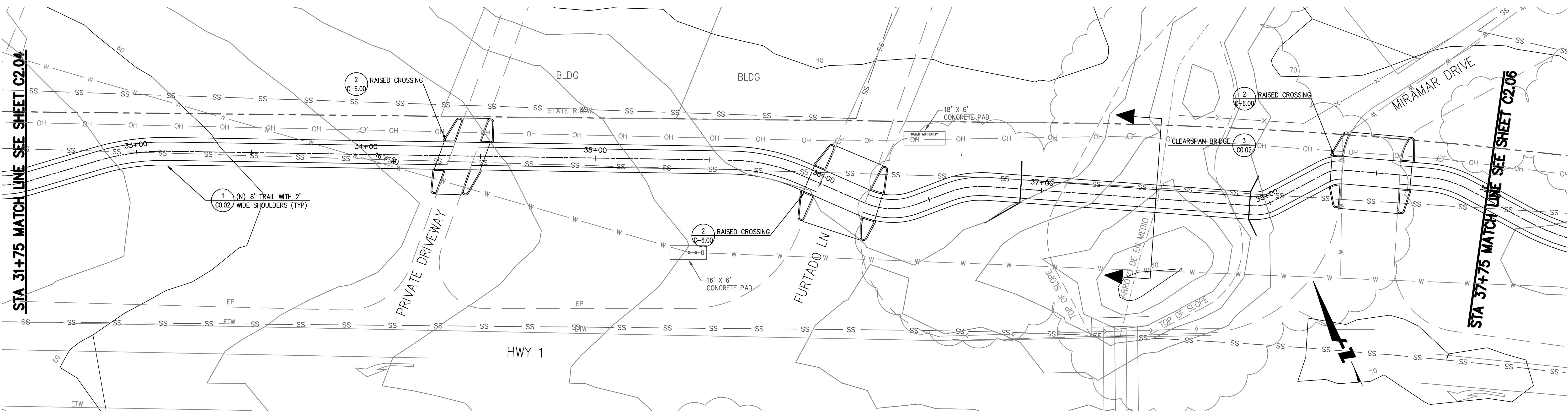
**BKF**  
 ENGINEERS / SURVEYORS / PLANNERS  
 255 SHORELINE DRIVE, SUITE 200  
 REDWOOD CITY, CA 94065  
 (650) 482-6300



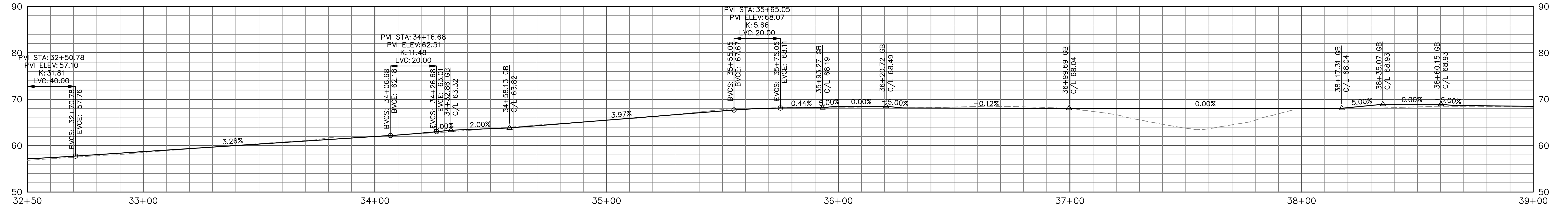
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CHECKED BY: JM	PLAN & PROFILE	DATE: 5/20/16
DRAWN BY: FC	STA 25+75 TO STA 32+50	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR	
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-204
0 1 2 3 4		SHEET 12 OF 24



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



PLAN  
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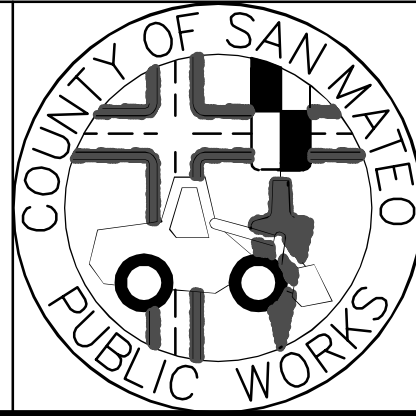
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30% SUBMITTAL - FOR REVIEW ONLY

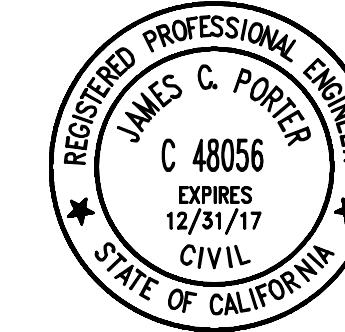
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

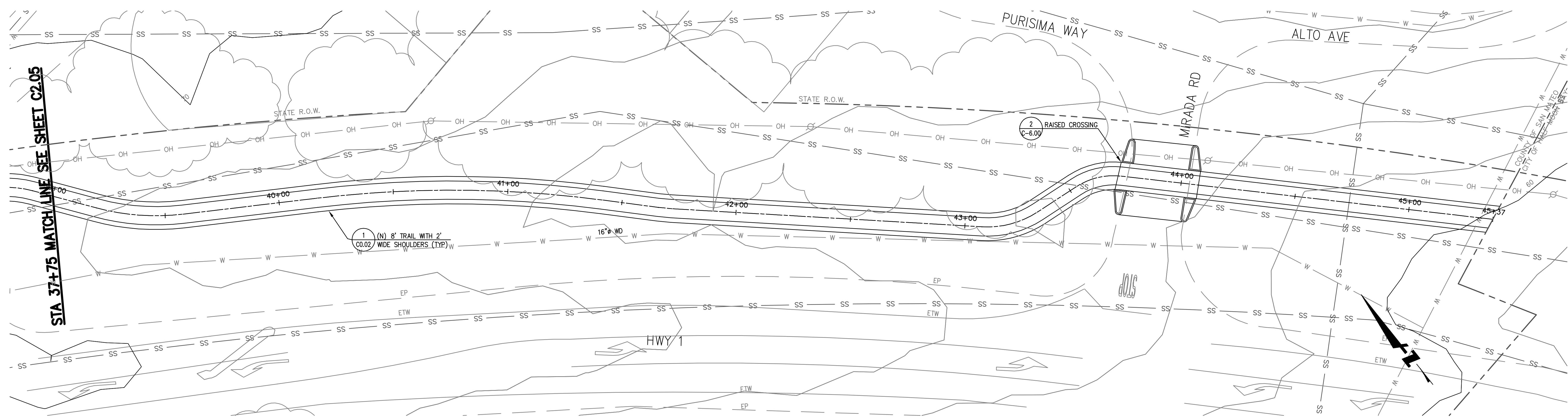


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	PLAN & PROFILE	DATE: 5/20/16
DRAWN BY: FC	STA 32+50 TO STA 39+00	FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR	
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-205
0 1 2 3 4		SHEET 13 OF 24

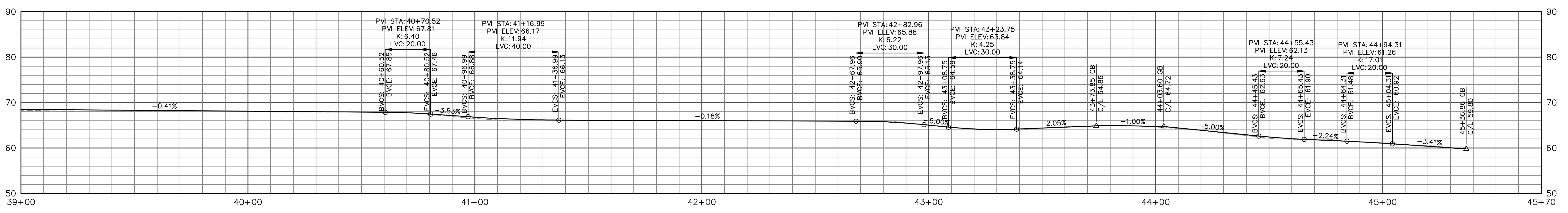
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



PLAN  
 SCALE: 1" = 20'



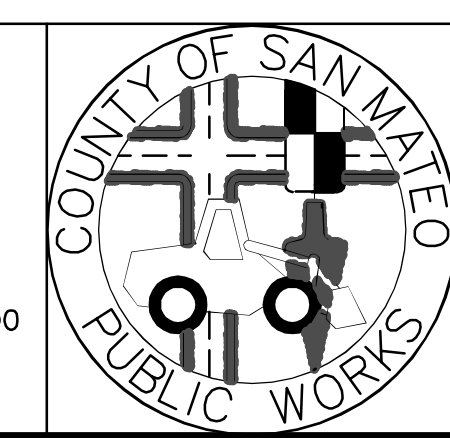
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 SCALE: HORIZONTAL 1" = 20'  
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30% SUBMITTAL - FOR REVIEW ONLY

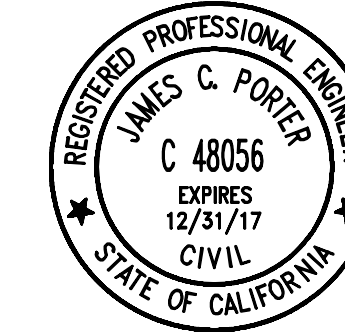
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

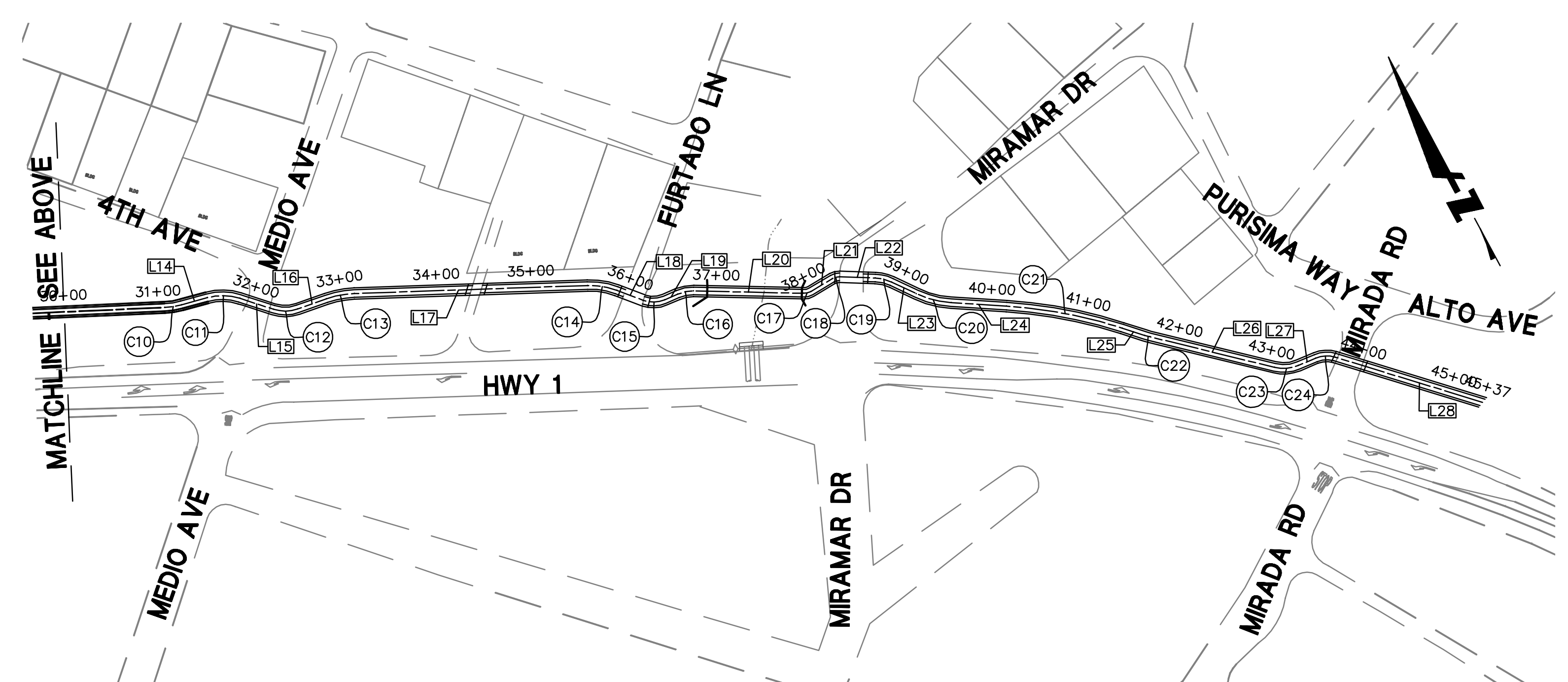
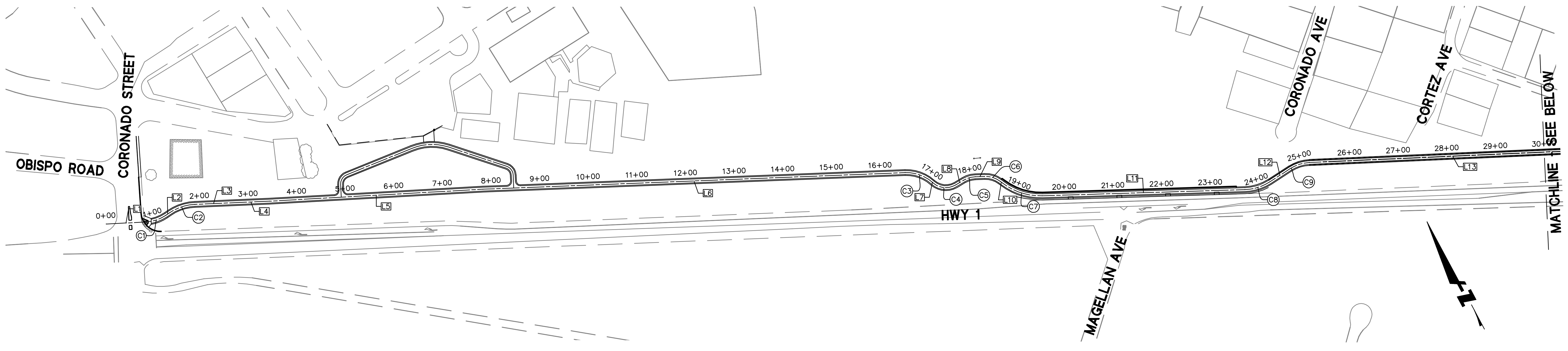


DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL PLAN & PROFILE STA 39+00 TO STA 45+60	SCALE: AS SHOWN
CHECKED BY: JM		DATE: 5/20/16
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4

DRAWING NAME: C:\Users\jcmansfield\Documents\Projects\160524\160524\_SHEET\_C206.dwg  
 PLOT TIME: 05-20-16 11:02:16 AM



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



LINE TABLE			LINE TABLE			LINE TABLE			LINE TABLE		
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L2	8.88	N83°50'57"E	L9	19.34	S64°02'20"E	L16	32.00	S81°10'22"E	L23	28.81	S36°24'07"E
L3	76.79	S64°15'45"E	L10	6.22	S24°53'49"E	L17	246.44	S63°49'45"E	L24	58.70	S58°15'11"E
L4	76.91	S64°15'45"E	L11	415.93	S63°35'22"E	L18	29.80	S41°07'14"E	L25	24.82	S43°57'31"E
L5	438.73	S65°03'02"E	L12	49.43	N85°17'01"E	L19	14.86	S85°24'42"E	L26	135.59	S48°05'53"E
L6	868.20	S64°04'47"E	L13	589.21	S64°22'26"E	L20	115.94	S60°36'22"E	L27	20.06	S84°38'06"E
L7	1.58	S20°30'42"E	L14	28.17	S77°15'27"E	L21	26.52	N87°16'40"E	L28	186.49	S44°48'52"E

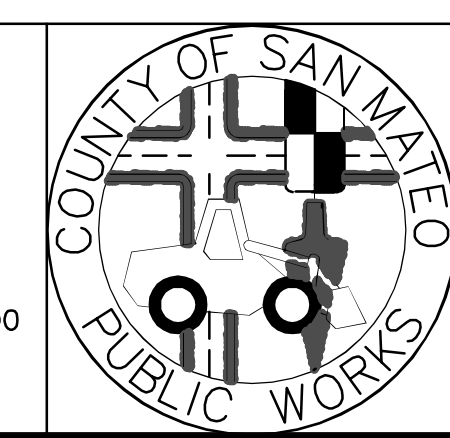
CURVE TABLE				CURVE TABLE				CURVE TABLE				CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA	CURVE NO.	LENGTH	RADIUS	DELTA	CURVE NO.	LENGTH	RADIUS	DELTA	CURVE NO.	LENGTH	RADIUS	DELTA
C1	43.86	80.00	031°24'49"	C7	87.79	130.00	038°41'33"	C13	30.28	100.00	017°20'48"	C19	18.05	44.00	023°30'26"
C2	55.66	100.00	031°53'17"	C8	54.33	100.00	031°07'37"	C14	31.71	80.00	022°42'40"	C20	38.14	100.00	021°51'04"
C3	60.83	80.00	043°34'05"	C9	42.37	80.00	030°20'33"	C15	23.19	30.00	044°17'28"	C21	124.74	500.00	014°17'40"
C4	50.38	40.00	072°09'51"	C10	17.99	80.00	012°53'02"	C16	17.32	40.00	024°48'19"	C22	5.78	80.00	004°08'22"
C5	24.99	50.00	028°38'12"	C11	34.83	60.00	033°15'20"	C17	8.21	16.00	029°23'38"	C23	25.51	40.00	036°32'12"
C6	34.16	50.00	039°08'32"	C12	25.95	40.00	037°10'14"	C18	8.03	14.00	032°51'12"	C24	20.85	30.00	039°49'14"



30% SUBMITTAL - FOR REVIEW ONLY

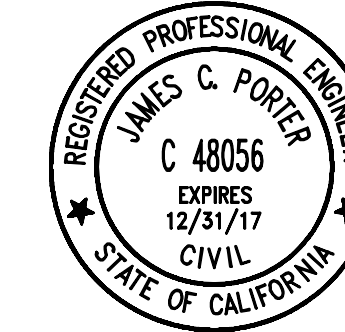
APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

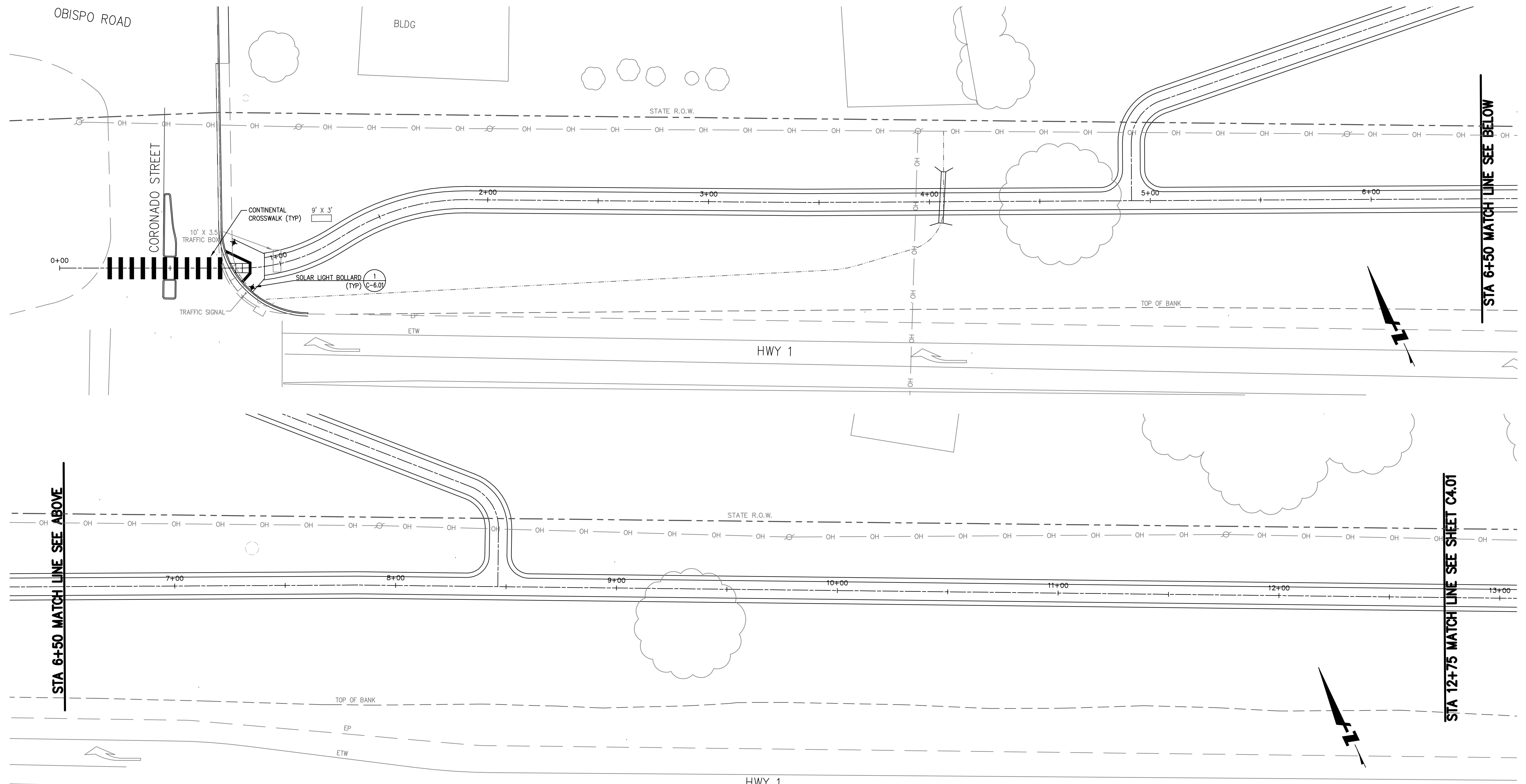


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CHECKED BY: JM	HORIZONTAL CONTROL PLAN	DATE: 5/20/16
DRAWN BY: FC	FILE NO.: 1/XXXX	
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-300 SHEET 15 OF 24

DRAWING NAME: 05-SD-16  
 PLOT TIME: 2016-05-20 10:00:00 AM  
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



STA 6+50 MATCH LINE SEE ABOVE

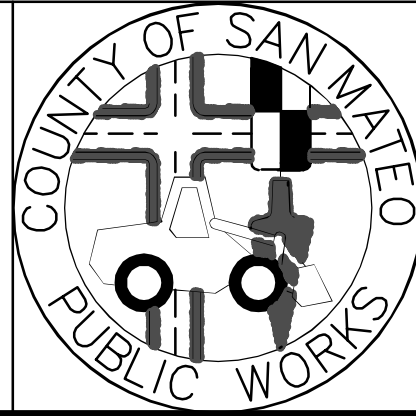
STA 12+75 MATCH LINE SEE SHEET C4.01



**30% SUBMITTAL - FOR REVIEW ONLY**

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

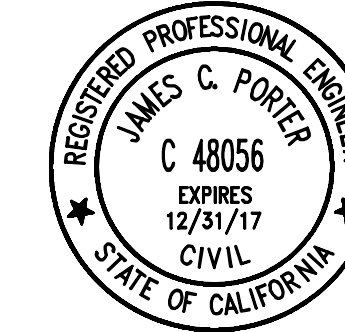
**BKF**  
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 255 SHORELINE DRIVE, SUITE 200  
 REDWOOD CITY, CA 94065  
 (650) 482-6300



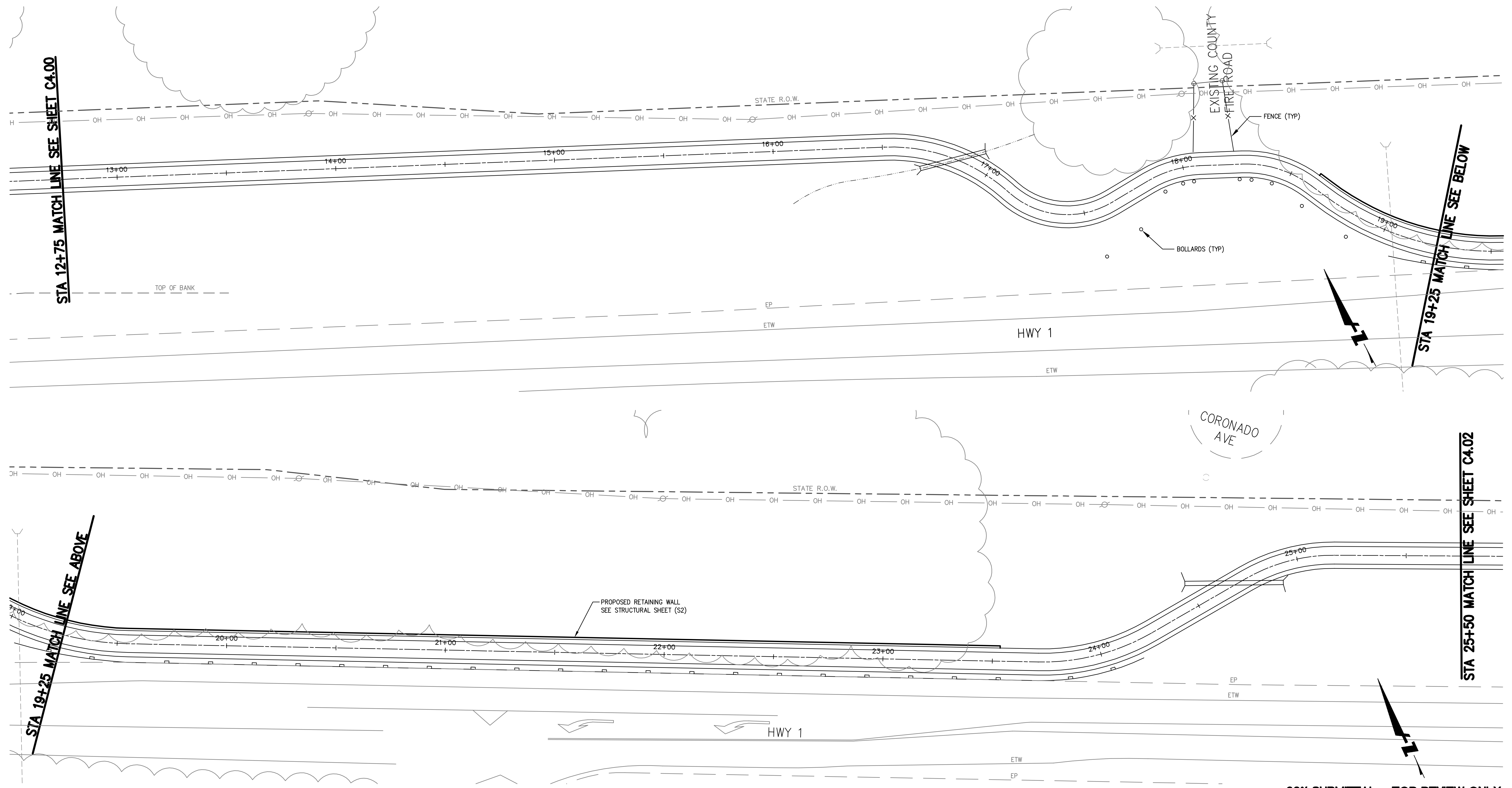
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CHECKED BY: JM	SIGNING AND STRIPING	DATE: 5/20/16
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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		<b>C-400</b> SHEET 16 OF 24

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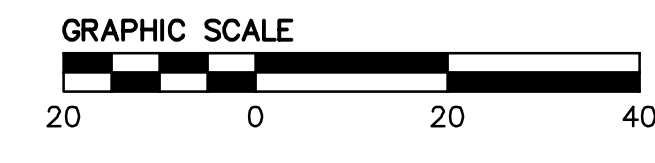
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 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



STA 19+25 MATCH LINE SEE ABOVE

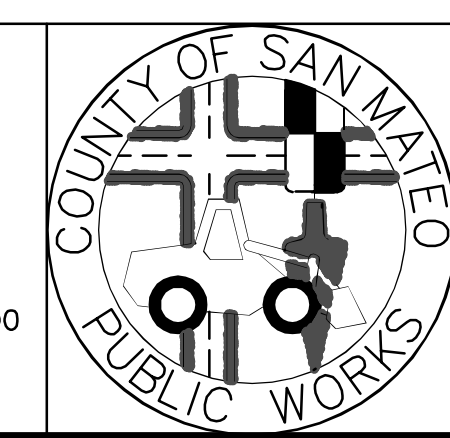
STA 19+25 MATCH LINE SEE BELOW

STA 25+50 MATCH LINE SEE SHEET C4.02



APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

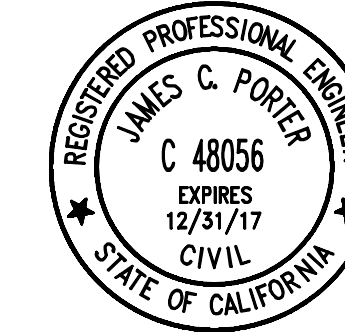
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DESIGNED BY: CT	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS SHOWN
CHECKED BY: JM	SIGNING AND STRIPING	DATE: 5/20/16
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		<b>C-401</b> SHEET 17 OF 24

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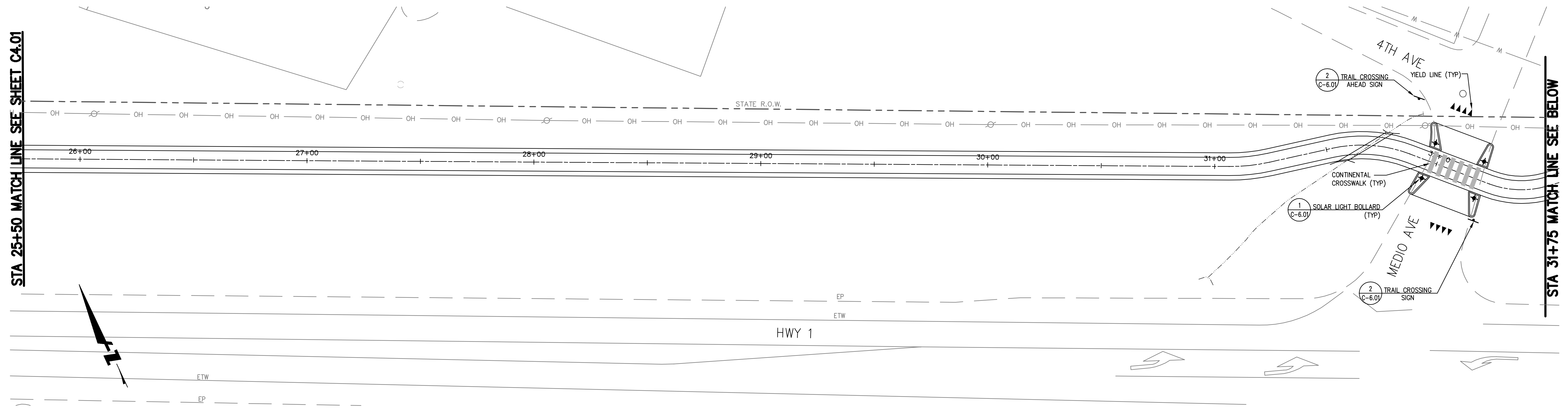
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APPROVED: \_\_\_\_\_  
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 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
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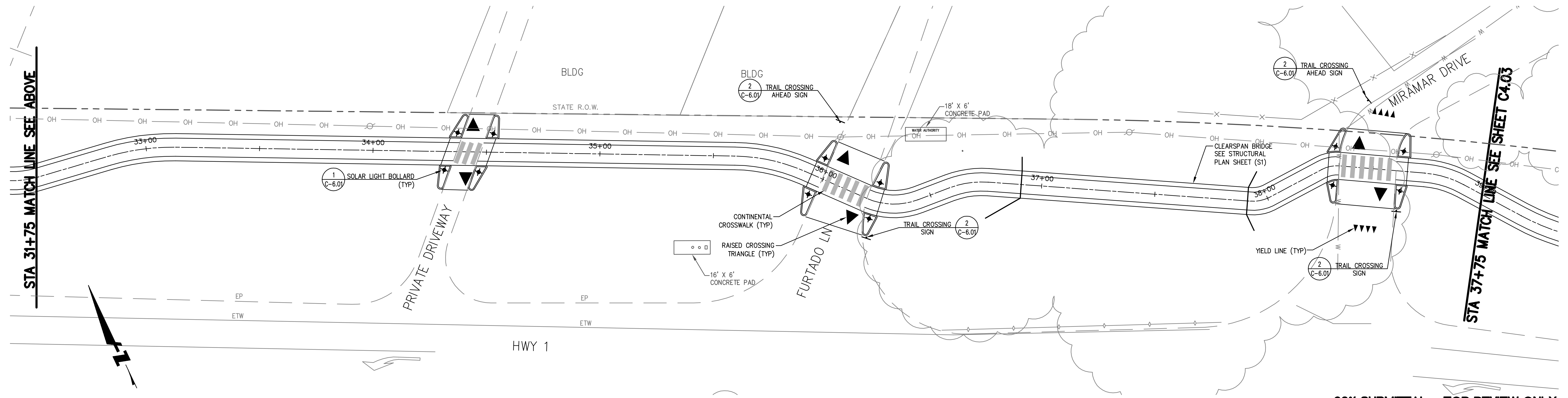
STA 25+50 MATCH LINE SEE SHEET C4.01

STA 31+75 MATCH LINE SEE BELOW



STA 31+75 MATCH LINE SEE ABOVE

STA 37+75 MATCH LINE SEE SHEET C4.03

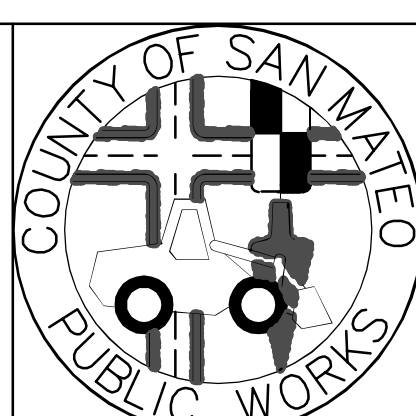


**30% SUBMITTAL - FOR REVIEW ONLY**



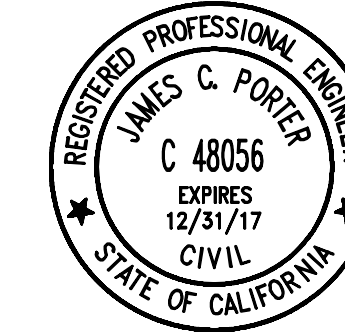
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BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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 (650) 482-6300

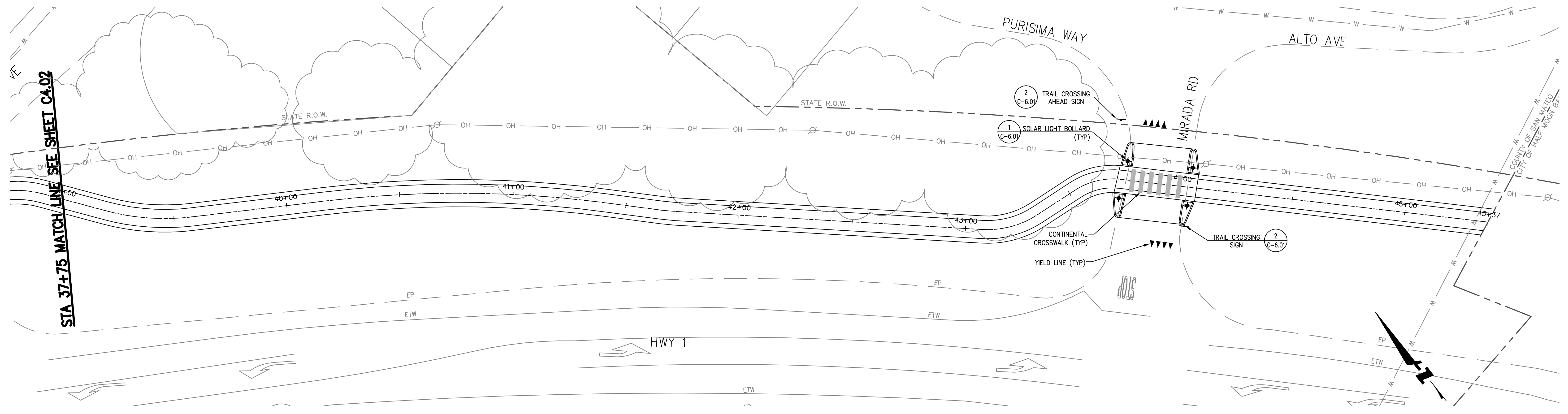


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CHECKED BY: JM	SIGNING AND STRIPING	DATE: 5/20/16
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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



STA 37+75 MATCH LINE SEE SHEET C4.02

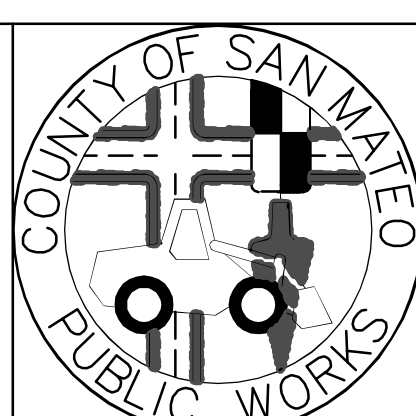
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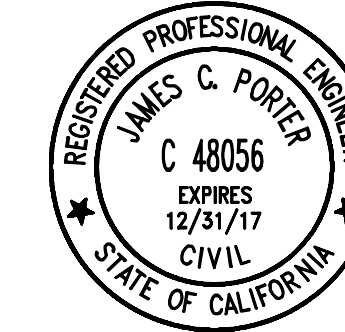
**30% SUBMITTAL - FOR REVIEW ONLY**

APPROVED DATE:	
JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

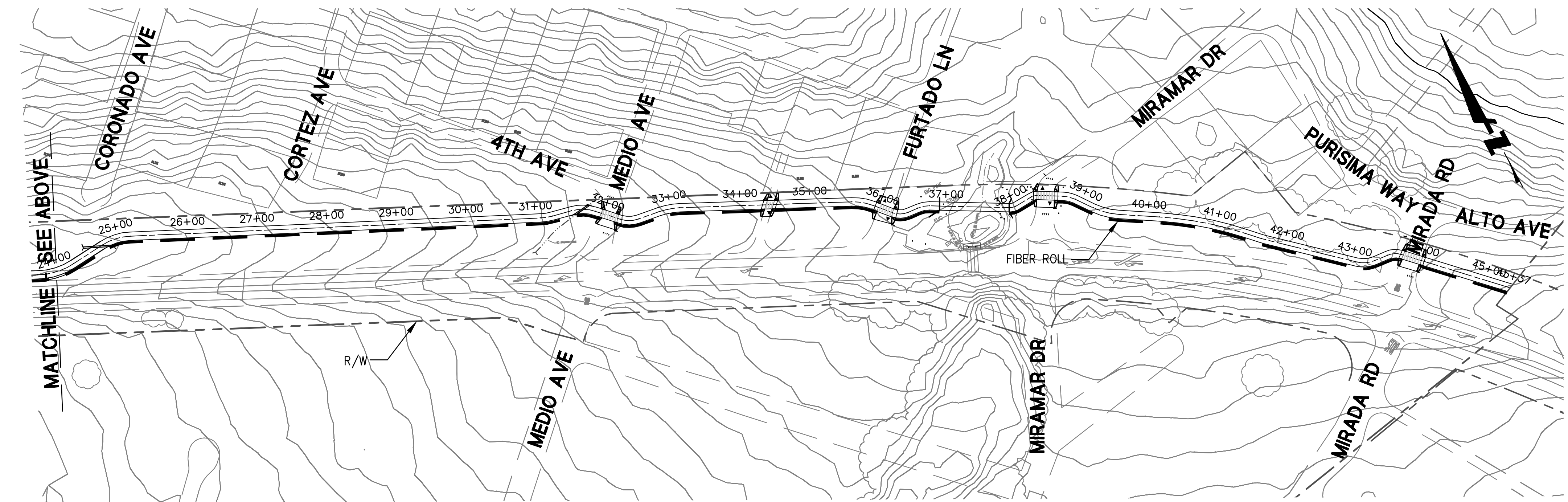
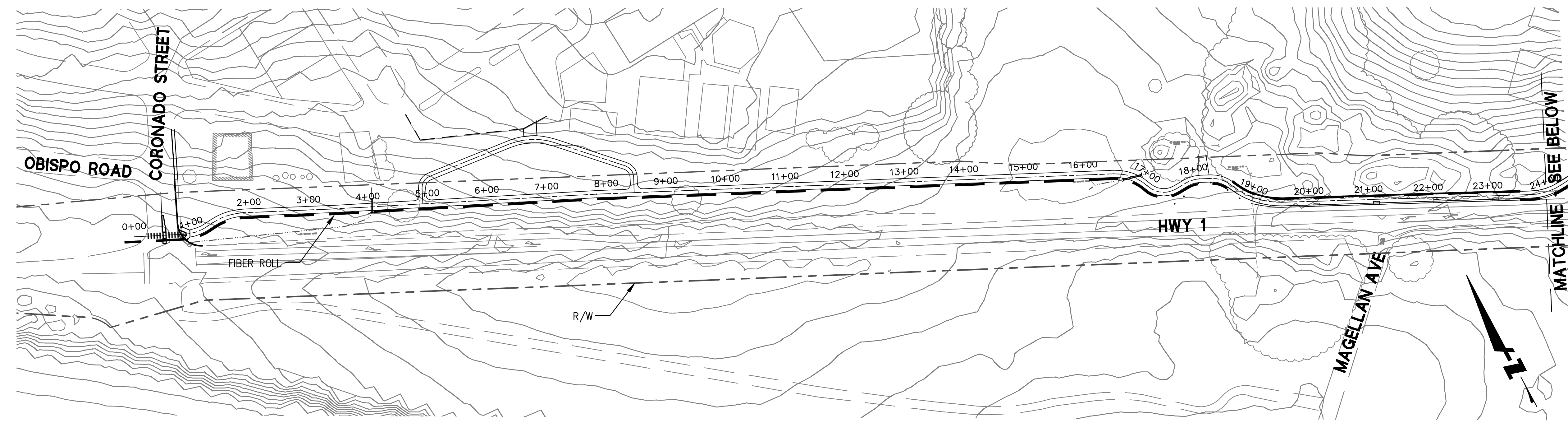
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 ENGINEERS / SURVEYORS / PLANNERS  
 255 SHORELINE DRIVE, SUITE 200  
 REDWOOD CITY, CA 94065  
 (650) 482-6300



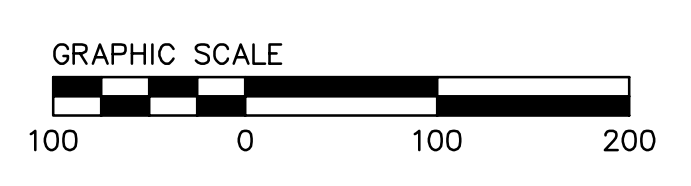
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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		<b>C-4.03</b> SHEET 19 OF 24



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

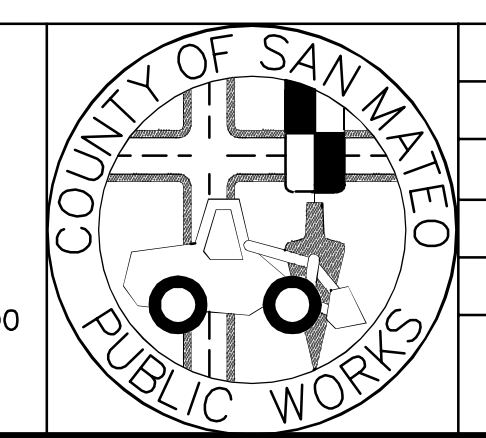


30% SUBMITTAL - FOR REVIEW ONLY



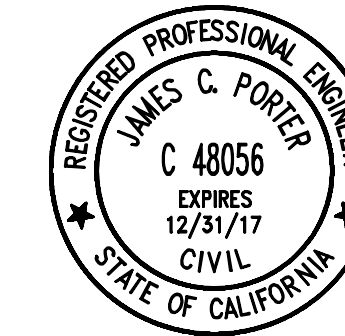
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JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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

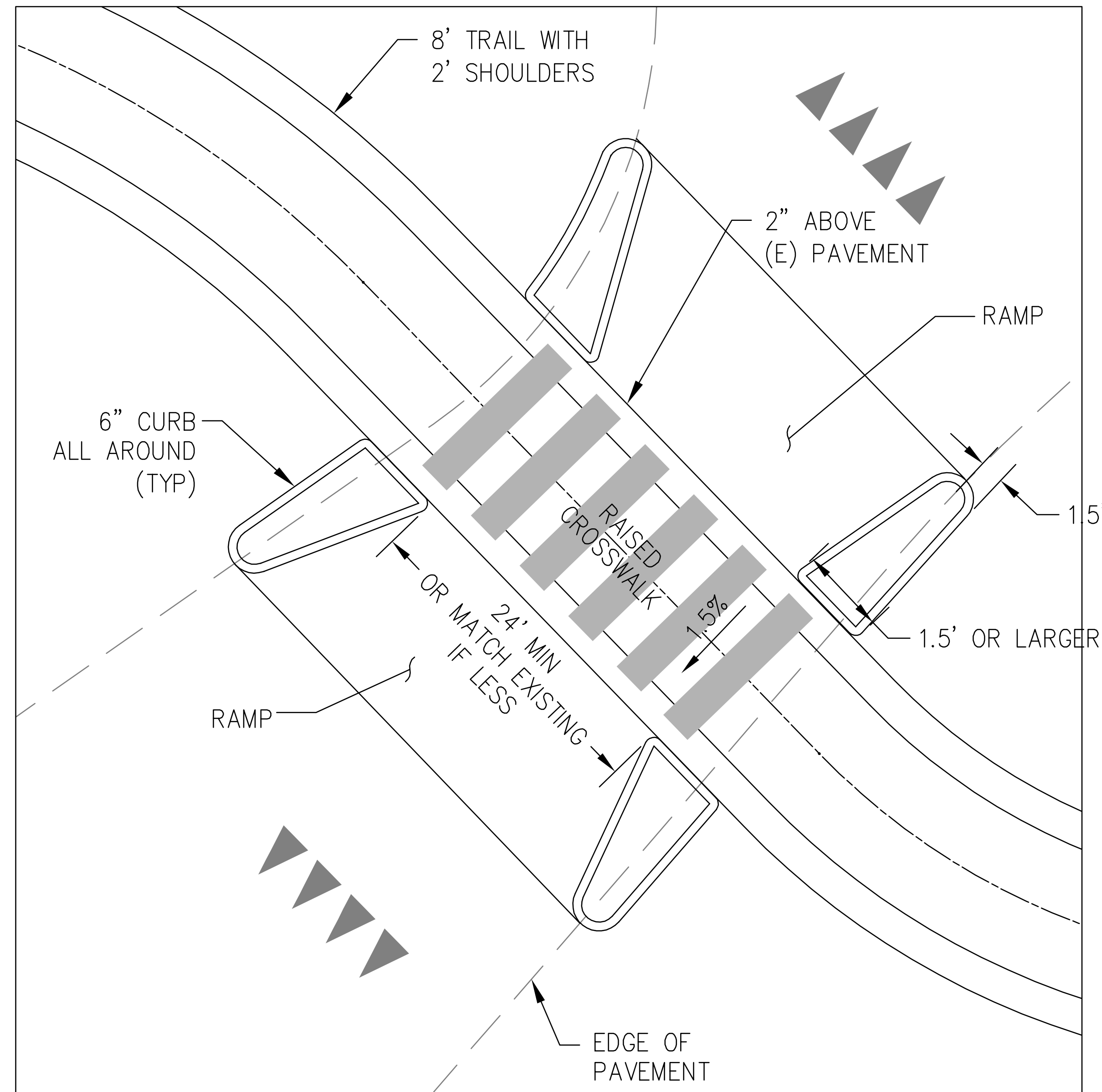


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CHECKED BY: JM	EROSION CONTROL PLAN	DATE: 5/20/16
DRAWN BY: FC	FILE NO.: 1/XXXX	
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
SAN MATEO COUNTY		
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		<b>C-500</b> SHEET 20 OF 24

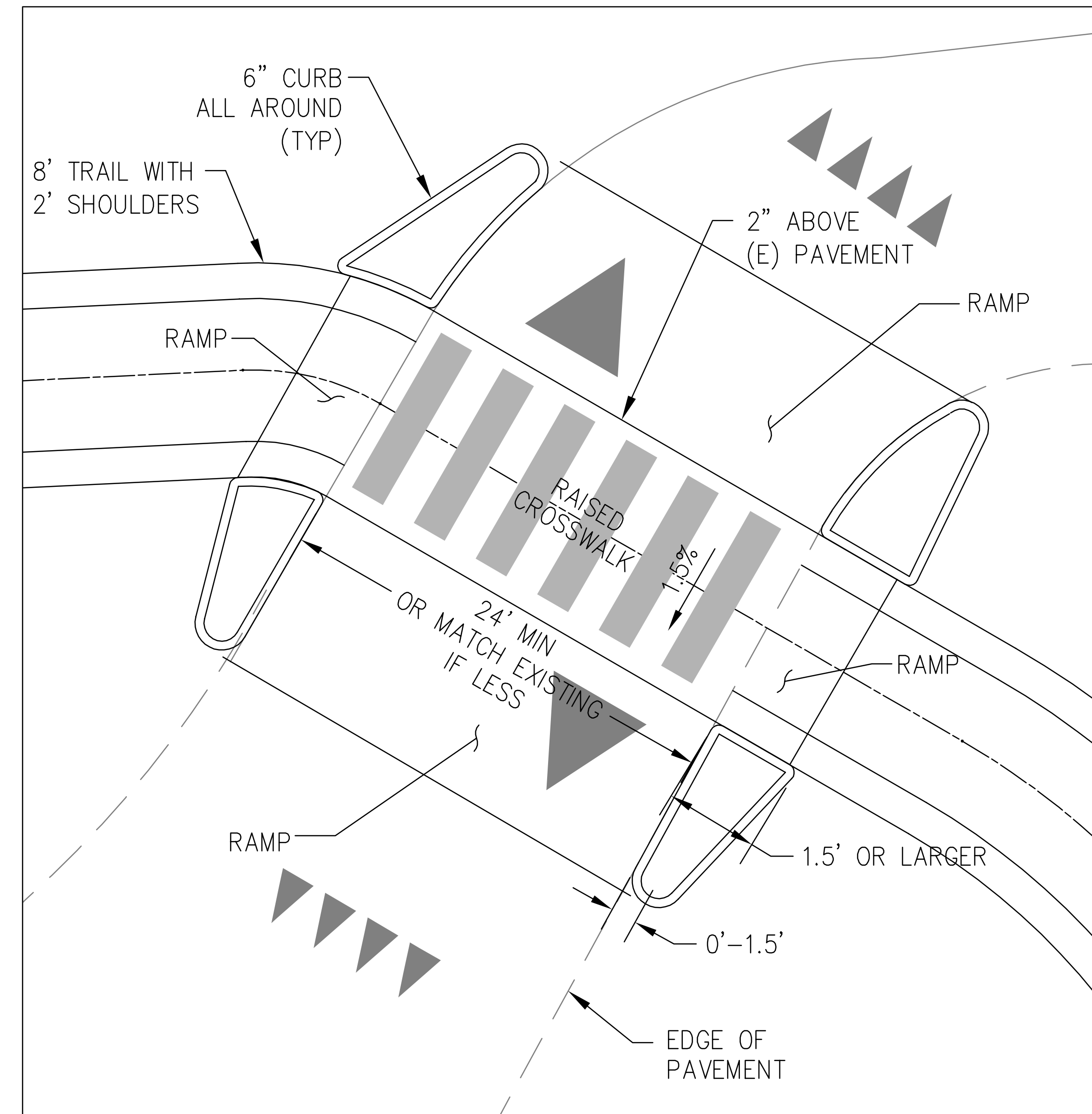
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 PLOT TIME: 5/20/16 10:50:16 AM



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



1 RAISED CROSSING (CHOKER)  
 SCALE: 1" = 5'



2 RAISED CROSSING  
 SCALE: 1" = 5'

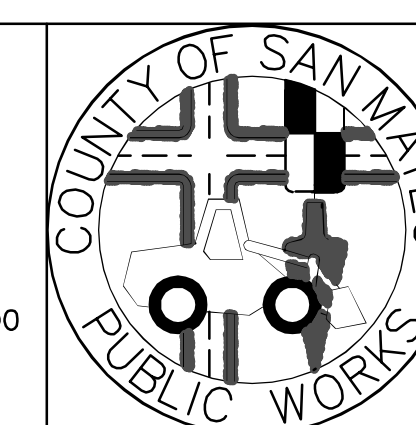
NOTES:

1. REFER TO PLANS FOR SPECIFIC LAYOUT CONDITIONS.
2. REFER TO SIGNING AND STRIPING PLANS FOR MORE INFORMATION.

30% SUBMITTAL - FOR REVIEW ONLY

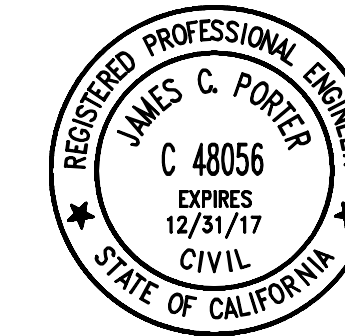
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JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
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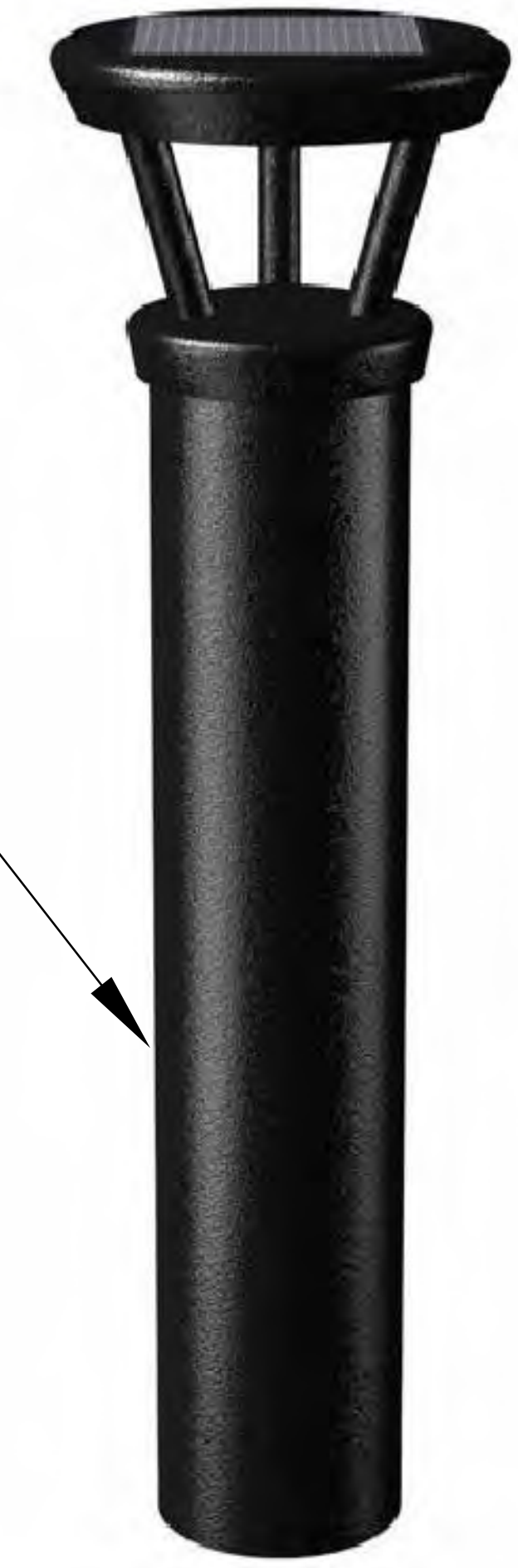
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CHECKED BY: JM	DETAILS	DATE: 5/20/16
DRAWN BY: FC		FILE NO.: 1/XXXX
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
0 1 2 3 4		<b>C-6.00</b>
		SHEET 21 OF 24

DRAWING NAME: 05-20-16  
 PLOT TIME: 05-20-16



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

RELIANCE FOUNDRY (R-9810)  
 OR EQUIVALENT



1 SOLAR LIGHT BOLLARD  
 NTS

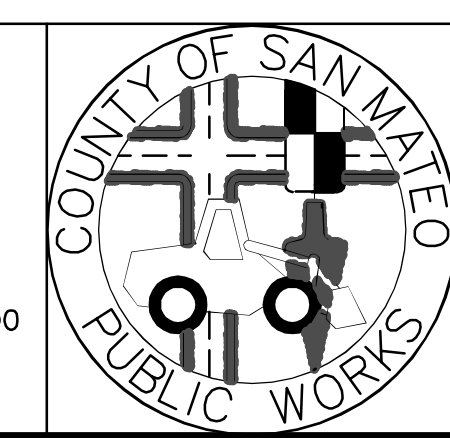


2 TRAIL CROSSING (W11-15, W11-15a, & W11-15P)  
 NTS

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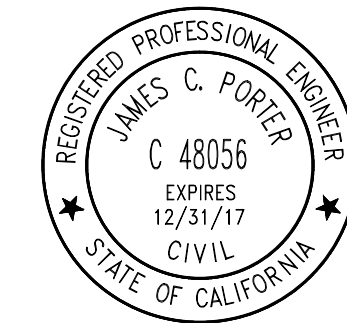
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JASON MANSFIELD, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 59567 / EXPIRES 12-31-2017	

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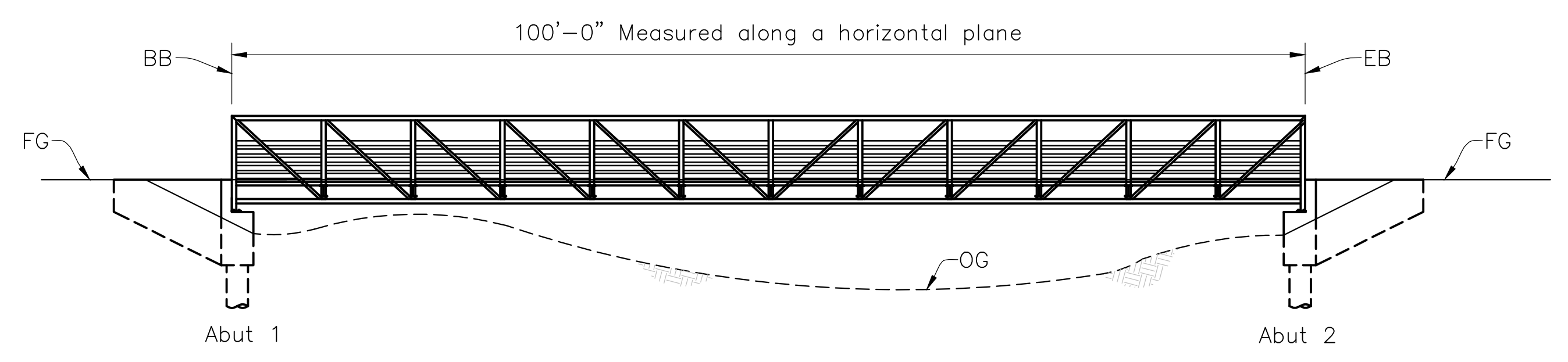


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CHECKED BY: JM	DETAILS	DATE: 5/20/16
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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
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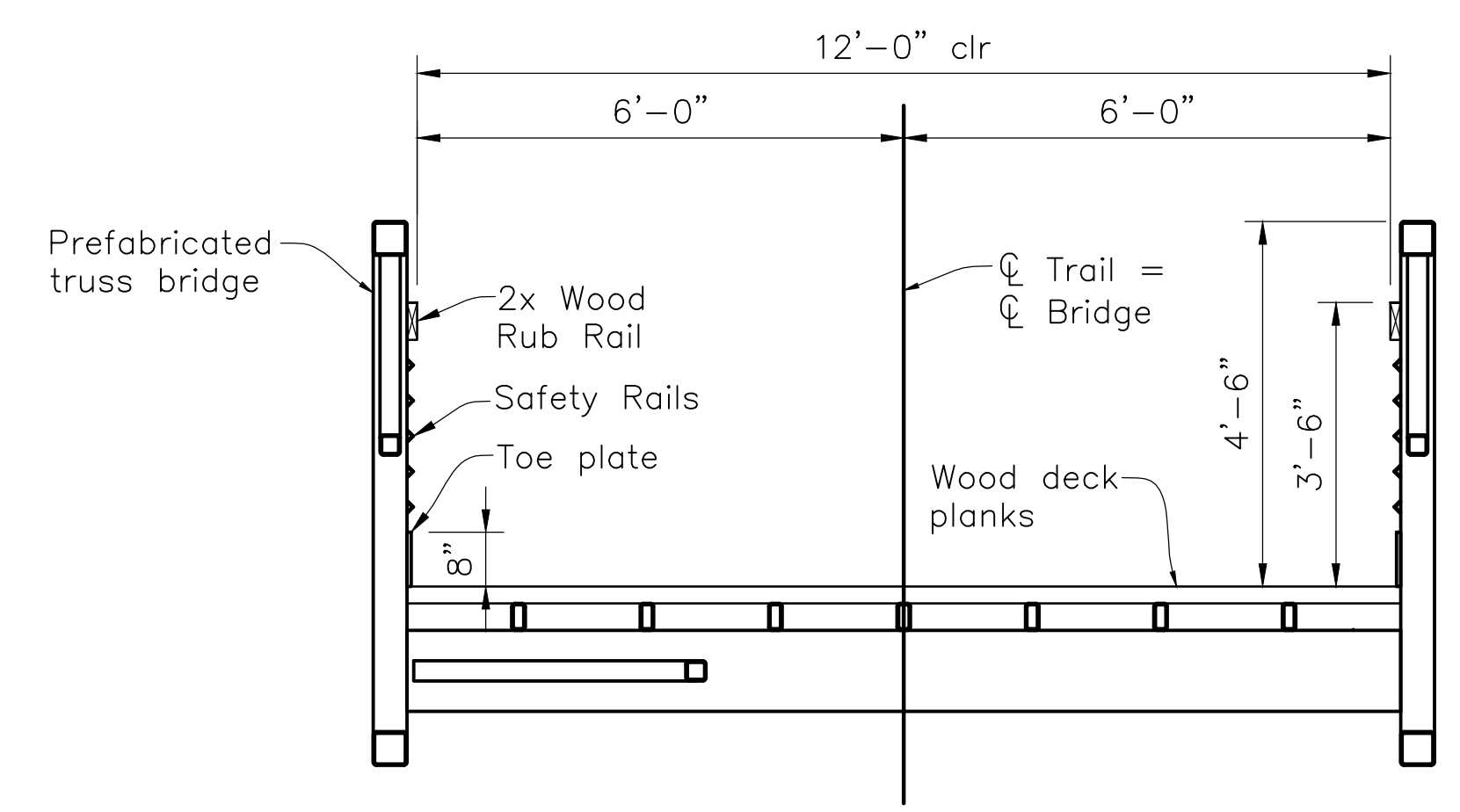
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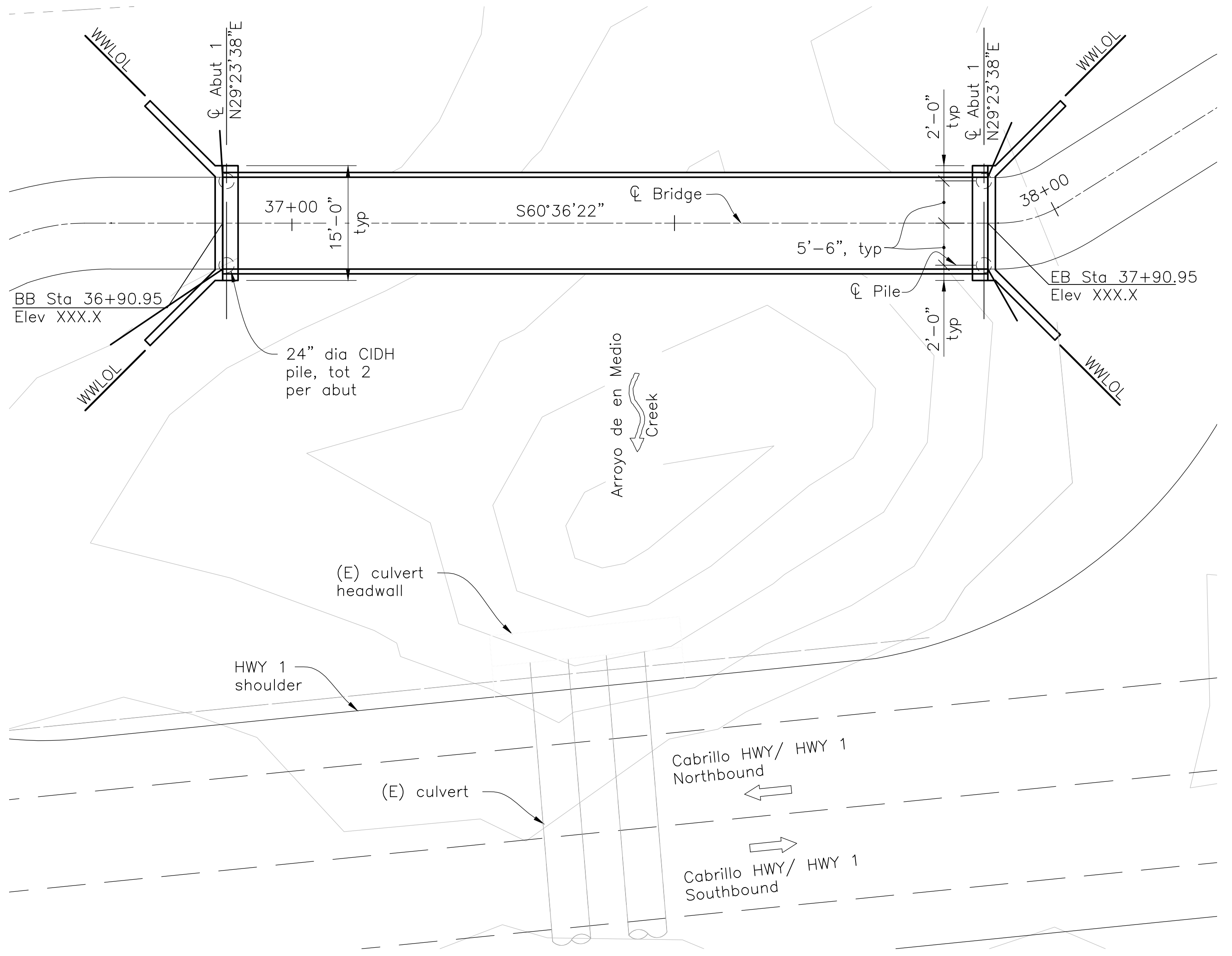
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



**ELEVATION**  
 1"=10'-0"



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



**PLAN**  
 1"=10'-0"

CALTRANS STANDARD PLANS DATED 2010

- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES & SYMBOLS (SHEET 1 OF 3)
- A10D LINES & SYMBOLS (SHEET 2 OF 3)
- A10E LINES & SYMBOLS (SHEET 3 OF 3)
- B0-1 BRIDGE DETAILS
- B0-3 BRIDGE DETAILS
- B6-10 UTILITY OPENINGS

**LEGEND**

- Indicates Caltrans standard plan sheet no.
- Indicates detail no.
- Indicates section letter
- Indicates sheet no. shown on
- Indicates detail no.
- Indicates sheet no. shown on

**SHEET INDEX**

- S1 GENERAL PLAN - BRIDGE
- S2 GENERAL PLAN - RETAINING WALL

**NOTES**

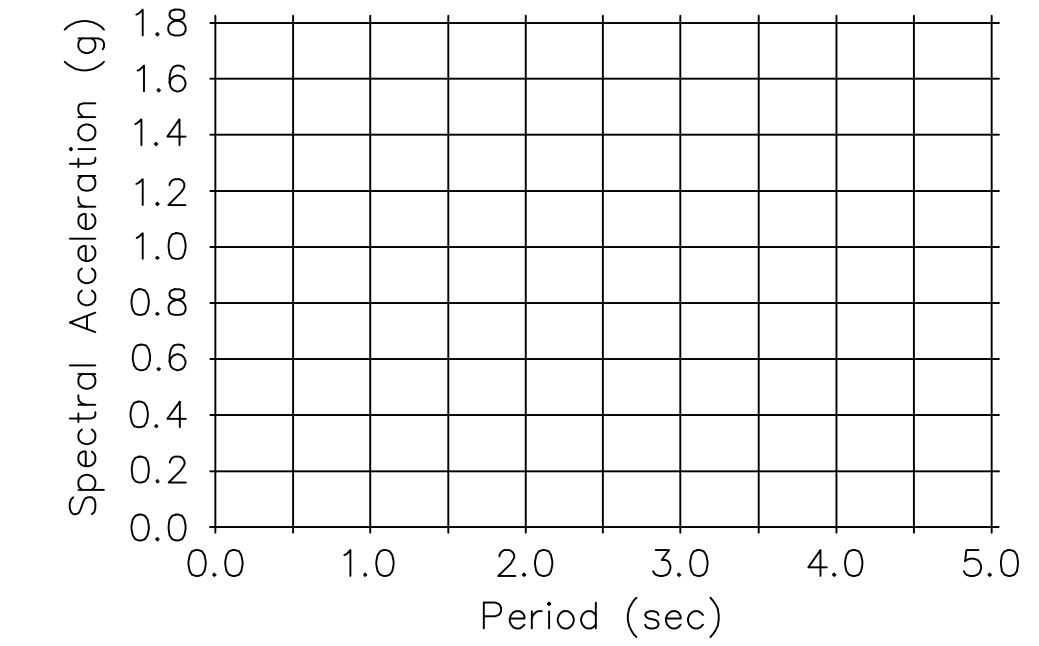
1. These plans shall incorporate the 2010 State Standard Specifications and 2010 Standard Plans, the 2010 Revised Standard Specifications, and the Special Provisions contained in these plans.
2. Prefabricated truss bridge length shall be verified by the Contractor with in-place location of abutments.
3. Contractor shall obtain and comply with all permit requirements established for the project.
4. Surveyor shall verify layout and elevation control.
5. 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.
6. Section cuts indicated in plan are typical at both abutments.
7. Contours shown are for information only. For existing topography and grading, see Civil Plans.

**BRIDGE FOUNDATIONS GENERAL NOTES  
 LOAD AND RESISTANCE FACTOR DESIGN**

- FOUNDATION DESIGN: AASHTO LRFD Bridge Design Specifications, 6th Edition with Caltrans Amendments
- SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), Version 1.7, dated April 2013
- DEAD LOAD: Bridge Self Weight
- LIVE LOADING: 90 psf Pedestrian Load & H10 Design Vehicle
- ABUTMENT REACTIONS: Maximum bridge service loading reactions are as follows:

Dead Load	(Includes FWS)
Utility Dead Load	
Vehicular Live Load	
Seismic Load	

SEISMIC LOADING:  $V_{s30} = XXXm/s$   
 Moment Magnitude: X.X  
 Peak Ground Acceleration = X.XXXg  
 5% Damping

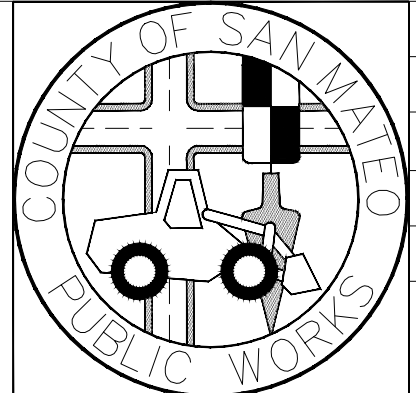
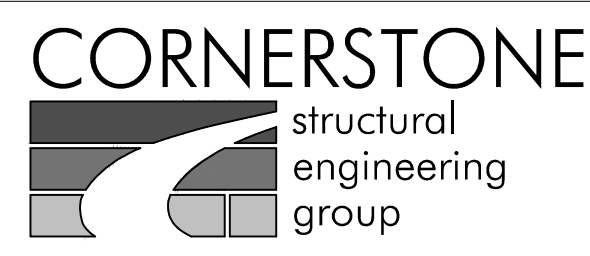


**ACCELERATION RESPONSE SPECTRUM**

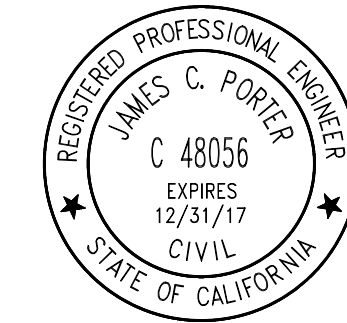
SOIL CRITERIA FOR DESIGN: Per Foundation Design Recommendations provided by XXX, dated X/XX/XXXX:  
 Soil Unit Weight = XXX pcf  
 Unrestrained Active Pressure (Undrained) = XX pcf  
 Additional Seismic Earth Pressure = XX x H<sup>2</sup>  
 Applied at X Ht. of Wall

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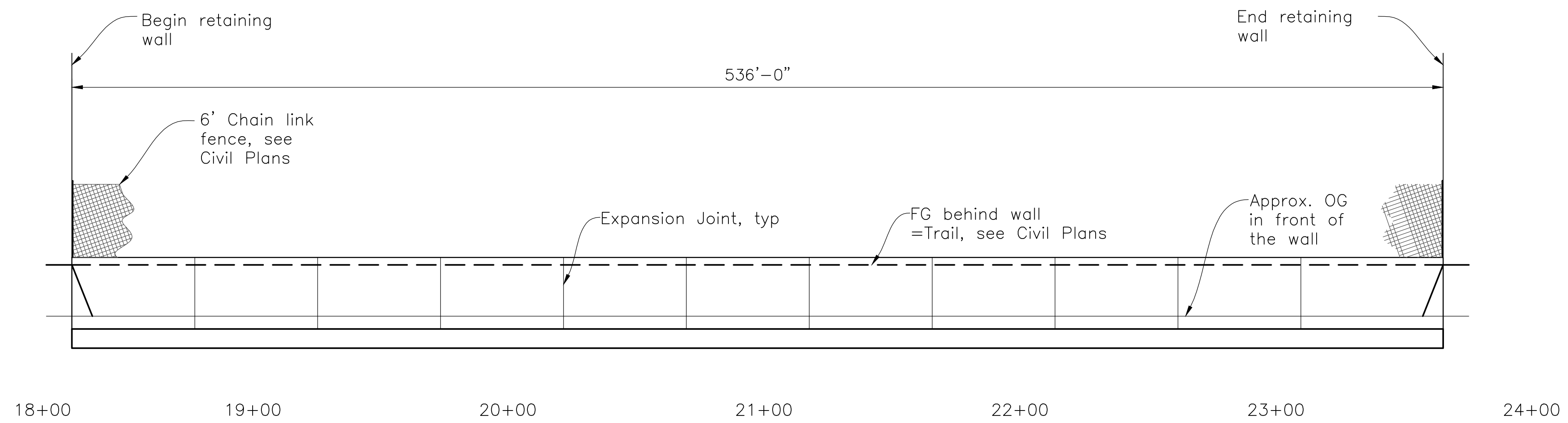
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 PLOT TIME: 04-07-16



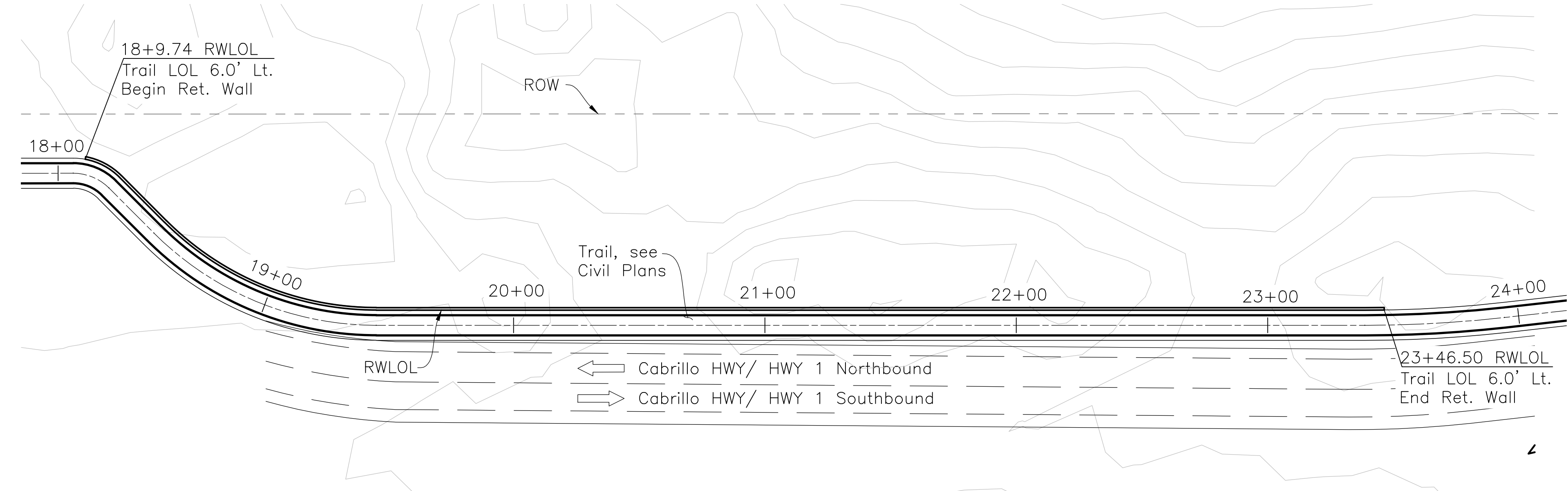
DESIGNED BY: CDI	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS NOTED
CHECKED BY: TLS	<b>GENERAL PLAN - BRIDGE</b>	DATE: 4/7/16
DRAWN BY: CDI	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	FILE NO.: 1/XXXX
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		<b>S1</b> SHEET 22 OF 23



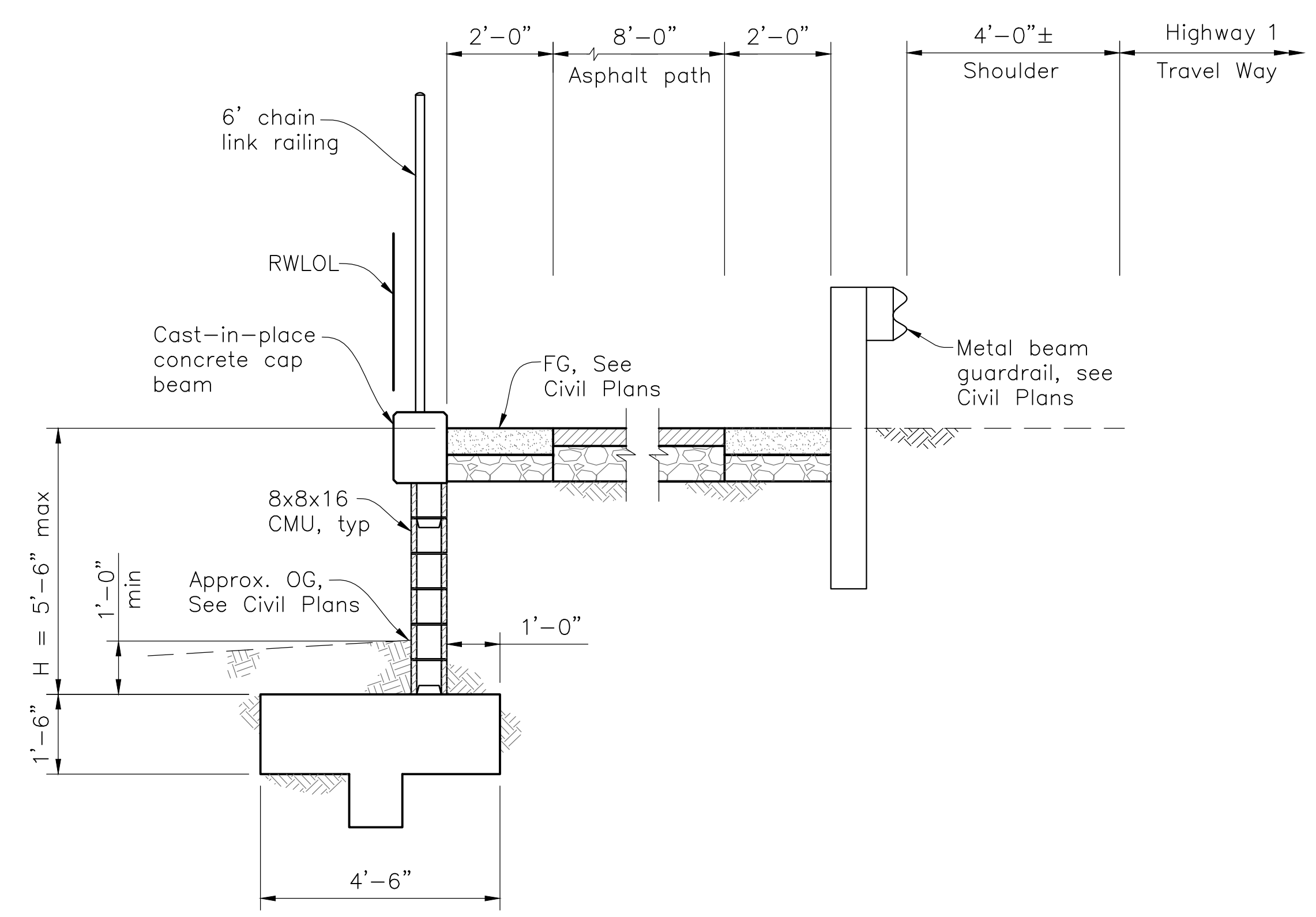
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS  
 R. C. E. # 48056 / EXPIRES 12-31-2017



**MIRRORED ELEVATION**  
 Horiz: 1"=30'-0"  
 Vert: 1"=5'-0"



**PLAN**  
 1"=30'-0"



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

**DESIGN NOTES**

Design Specifications:  
 AASHTO LRFD Bridge Design Specifications 6th Edition with California Amendments

Masonry  
 $f'_m = 1,500$  PSI  
 $f_s = 24,000$  PSI  
 $n = 21.48$

Concrete  
 $f'_c = 3,600$  psi  
 $f_y = 60,000$  psi

**GEOTECHNICAL DESIGN PARAMETERS**

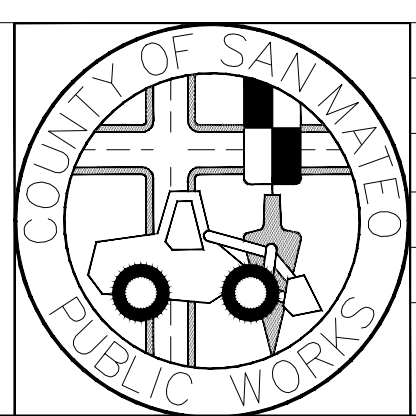
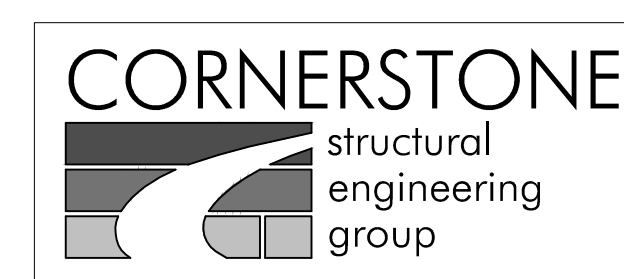
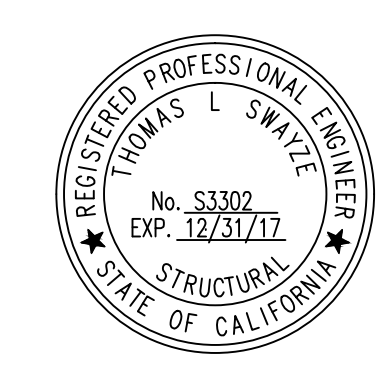
Per the geotechnical recommendations for retaining structure by XXX, dated XX/XX/XX:

- Retaining Wall
- Equivalent Active Fluid Pressures = XX pcf for level backfill
  - Allowable Bearing Pressure = XXXX psf
  - Allowable passive pressure = XXX psf
  - Allowable Friction coefficient = X.XX
  - Seismic Active Increment = XX pcf (Level)
  - Lateral Surcharge = XXX psf

**GENERAL NOTES**

1. These plans shall incorporate the 2010 State Standard Specifications and 2010 Standard Plans, the 2010 Revised Standard Specifications, and the Special Provisions contained in these plans.
2. Contractor shall obtain and comply with all permit requirements established for the project.
3. Surveyor shall verify layout and elevation control.
4. Contractor shall verify all structure dimensions shown on these plans. Any discrepancies must be brought to the attention of the Engineer immediately.
5. Contours shown are for information only. For existing topography and grading, see Civil Plans.
6. Concrete block walls shall have vertical expansion joints at a maximum spacing of 48'-0".

**30% SUBMITTAL - FOR REVIEW ONLY**



DESIGNED BY: CDI	MIDCOAST MULTI-MODAL TRAIL	SCALE: AS NOTED
CHECKED BY: TLS	<b>GENERAL PLAN - RETAINING WALL</b>	DATE: 4/7/16
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		<b>S2</b> SHEET 23 OF 23

DRAWING NAME: WL\_2015\_0105033 San Mateo Co. Multi-Modal Trail V32-General Plan-Ret Wall.dwg  
 PLOT TIME: 04-07-16