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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

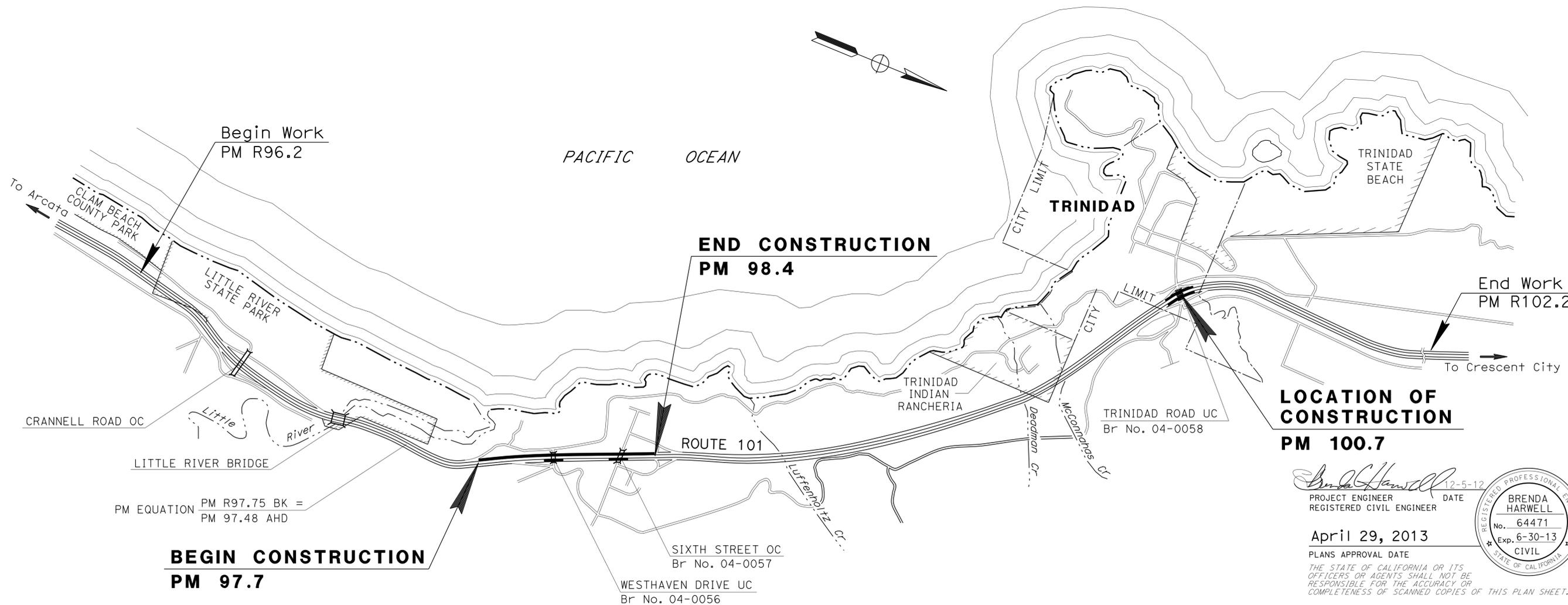
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN HUMBOLDT COUNTY
IN AND NEAR TRINIDAD
FROM 0.3 MILE NORTH OF LITTLE RIVER BRIDGE
TO 0.2 MILE NORTH OF SIXTH STREET OC
AND AT TRINIDAD ROAD UC

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

ACNH-Q101(231)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	1	90

LOCATION MAP



PROJECT ENGINEER DATE 12-5-12
 REGISTERED CIVIL ENGINEER
April 29, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONTRACT No.	01-459704
PROJECT ID	0100020153

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

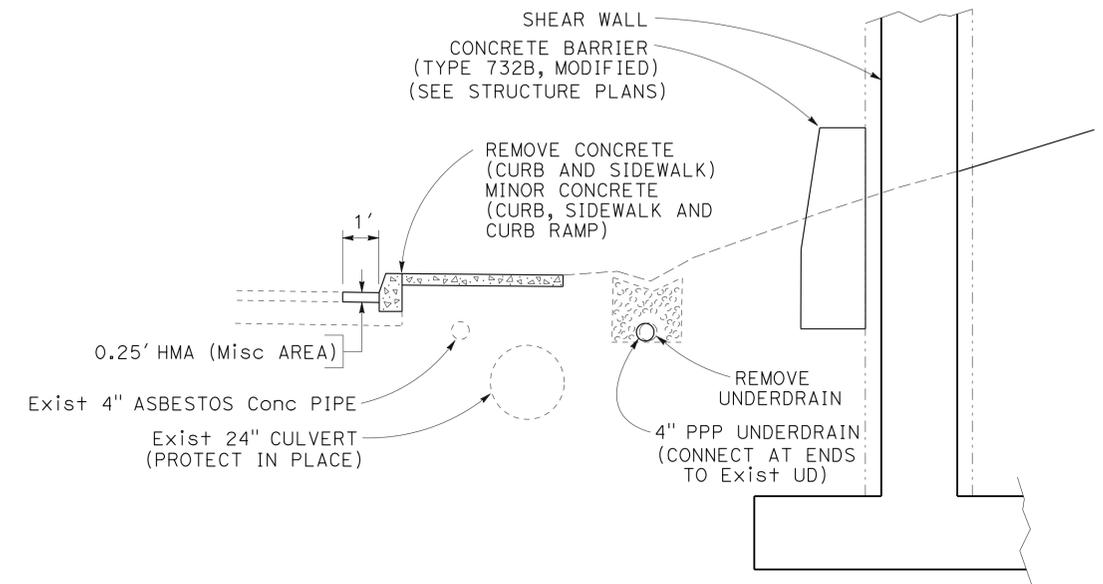
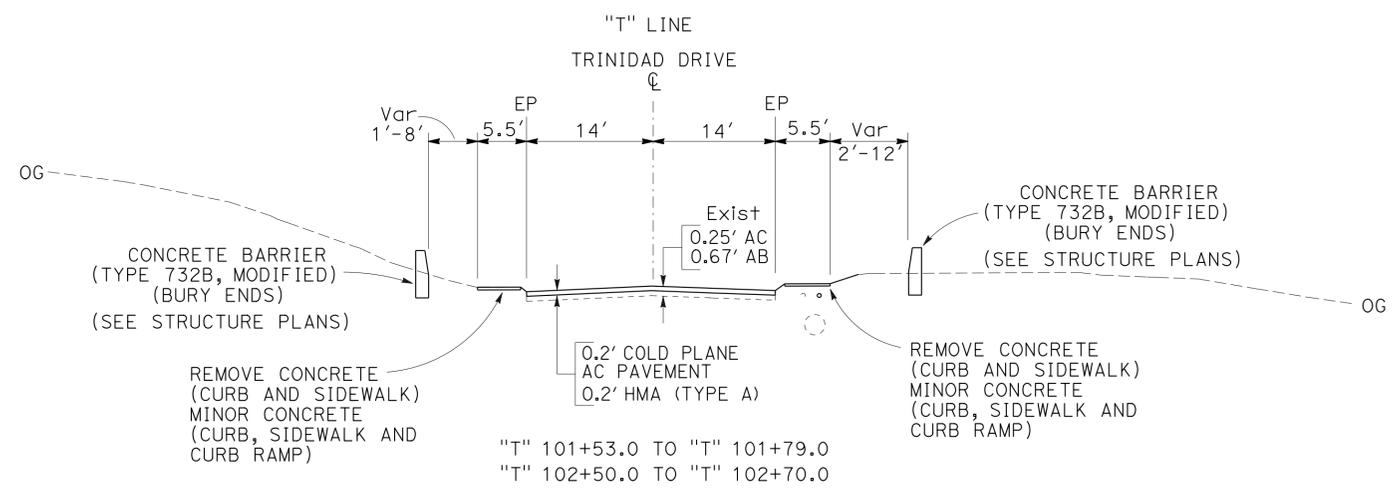
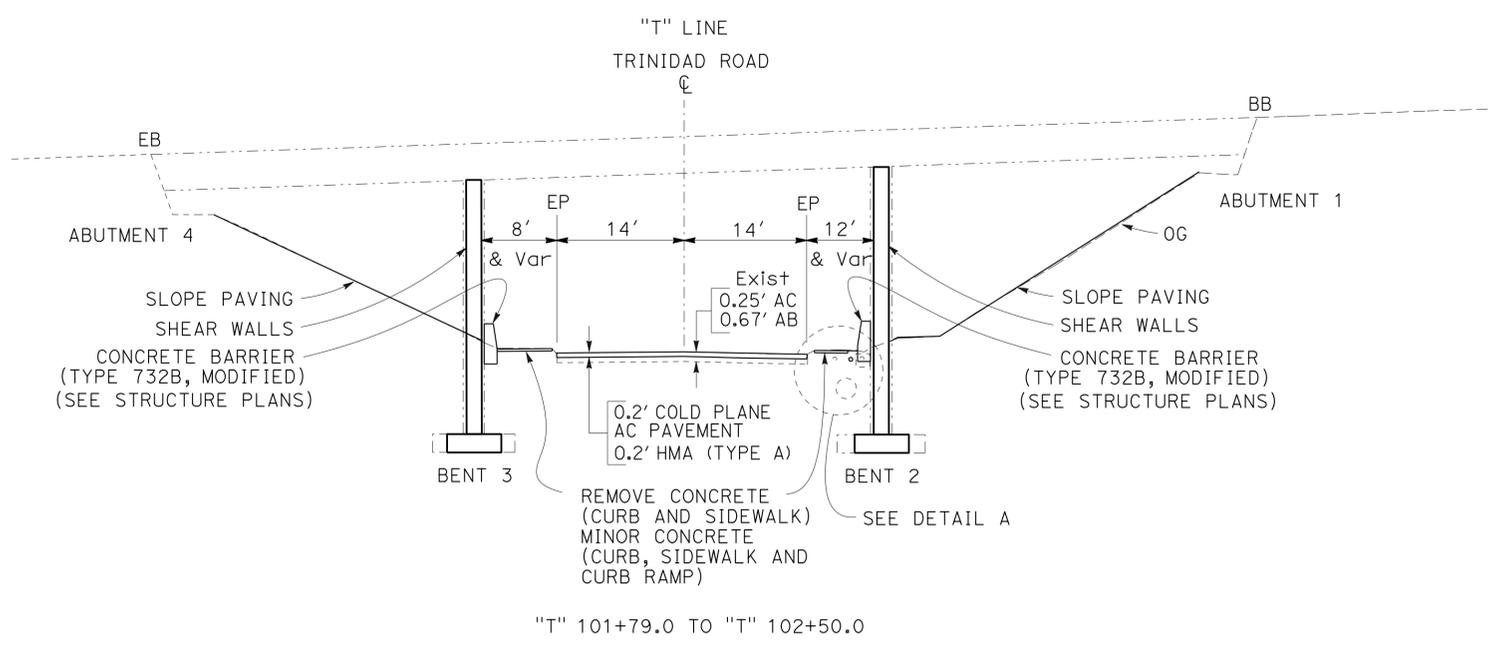
P:\PROJ\01\459704\draft\eng\0100020153\0100020153cb001.dgn
 PROJECT MANAGER
KIM FLOYD
 DESIGN ENGINEER
L. R. ASHLEY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	4	90

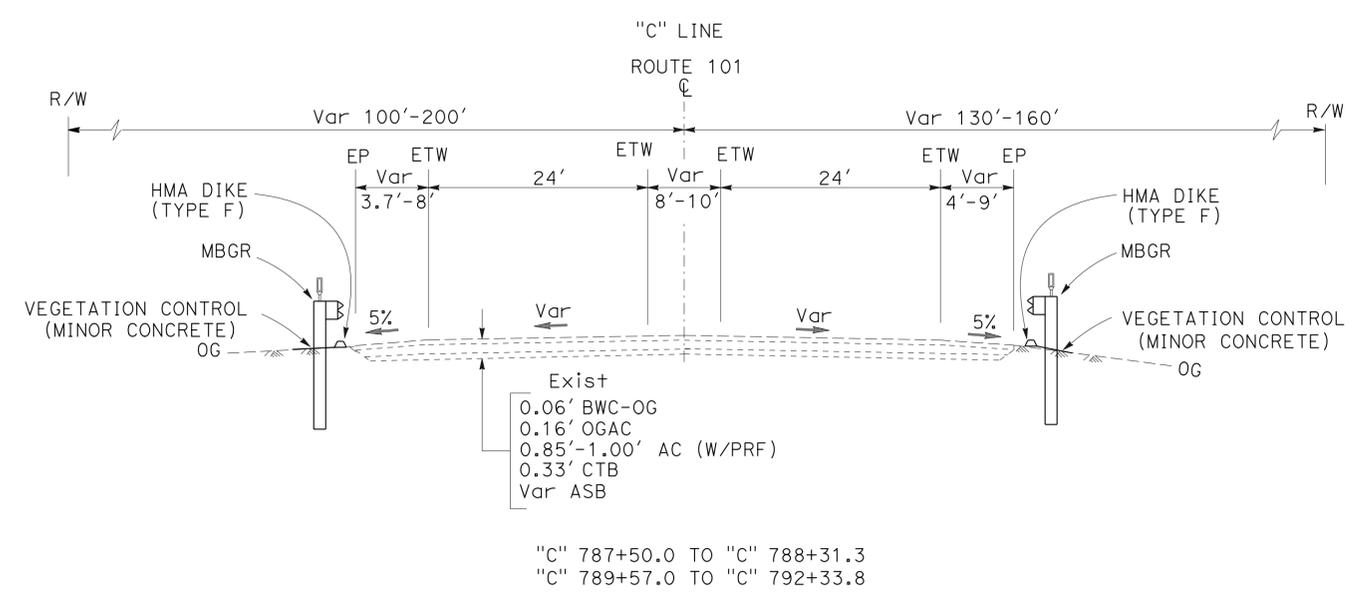
<i>Brenda Harwell</i>	12-5-12
REGISTERED CIVIL ENGINEER	DATE
4-29-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
BRENDA HARWELL
No. 64471
Exp. 6-30-13
CIVIL

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



DETAIL A
UNDERDRAIN DETAIL



TRINIDAD ROAD UC
TYPICAL CROSS SECTIONS
NO SCALE
X-3

REVISOR: [] DATE: []

DESIGNED BY: [] CHECKED BY: []

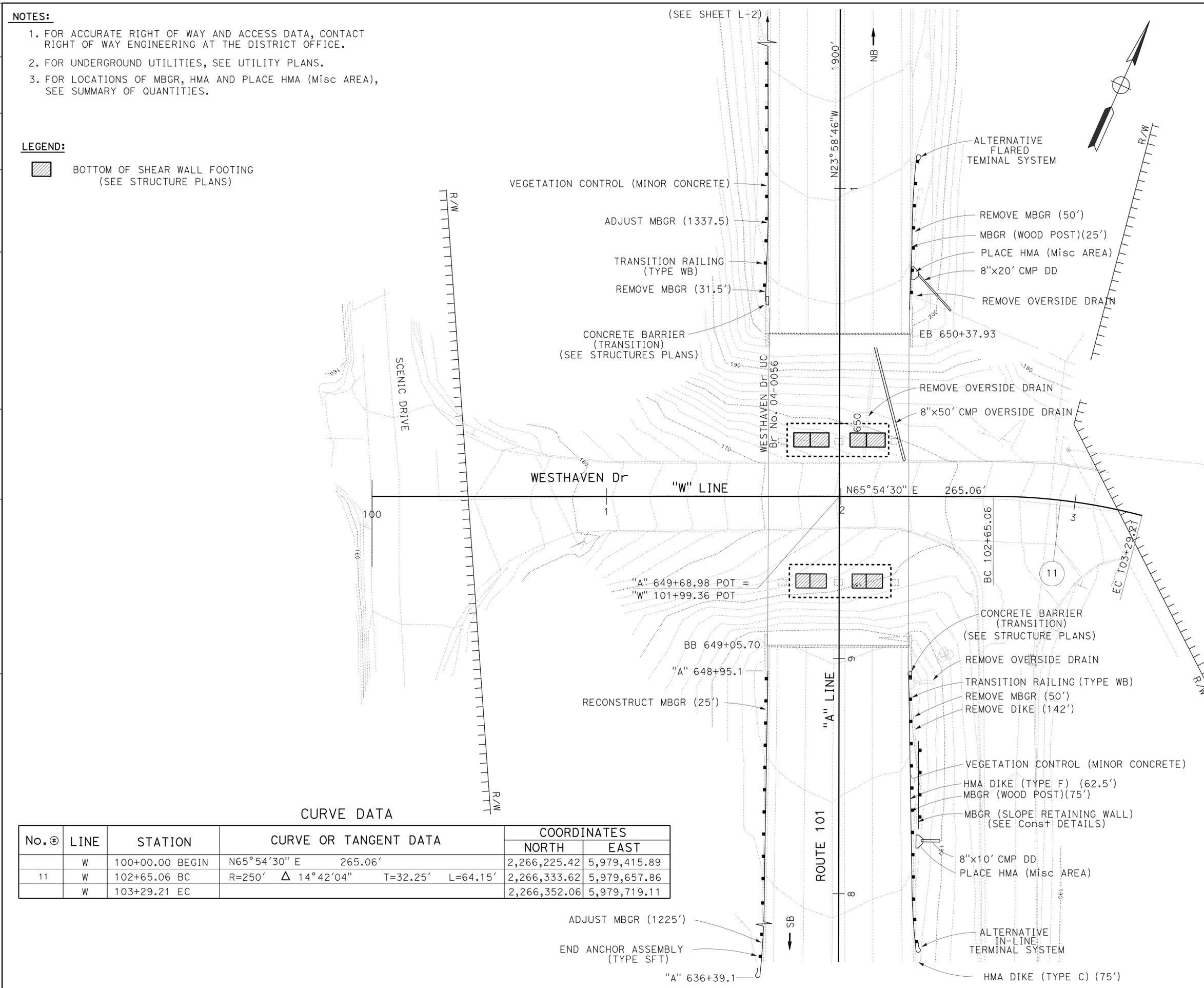
FUNCTIONAL SUPERVISOR: L.R. ASHLEY

DESIGN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN



CURVE DATA

No. @	LINE	STATION	CURVE OR TANGENT DATA		COORDINATES	
			NORTH	EAST	NORTH	EAST
	W	100+00.00 BEGIN	N65°54'30" E	265.06'	2,266,225.42	5,979,415.89
11	W	102+65.06 BC	R=250' Δ 14°42'04"	T=32.25' L=64.15'	2,266,333.62	5,979,657.86
	W	103+29.21 EC			2,266,352.06	5,979,719.11

- NOTES:**
1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR UNDERGROUND UTILITIES, SEE UTILITY PLANS.
 3. FOR LOCATIONS OF MBGR, HMA AND PLACE HMA (Misc AREA), SEE SUMMARY OF QUANTITIES.

LEGEND:

▨ BOTTOM OF SHEAR WALL FOOTING (SEE STRUCTURE PLANS)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	5	90

REGISTERED CIVIL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL

4-29-13
 PLANS APPROVAL DATE

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WESTHAVEN DRIVE UC

LAYOUT
 SCALE: 1" = 20'

L-1

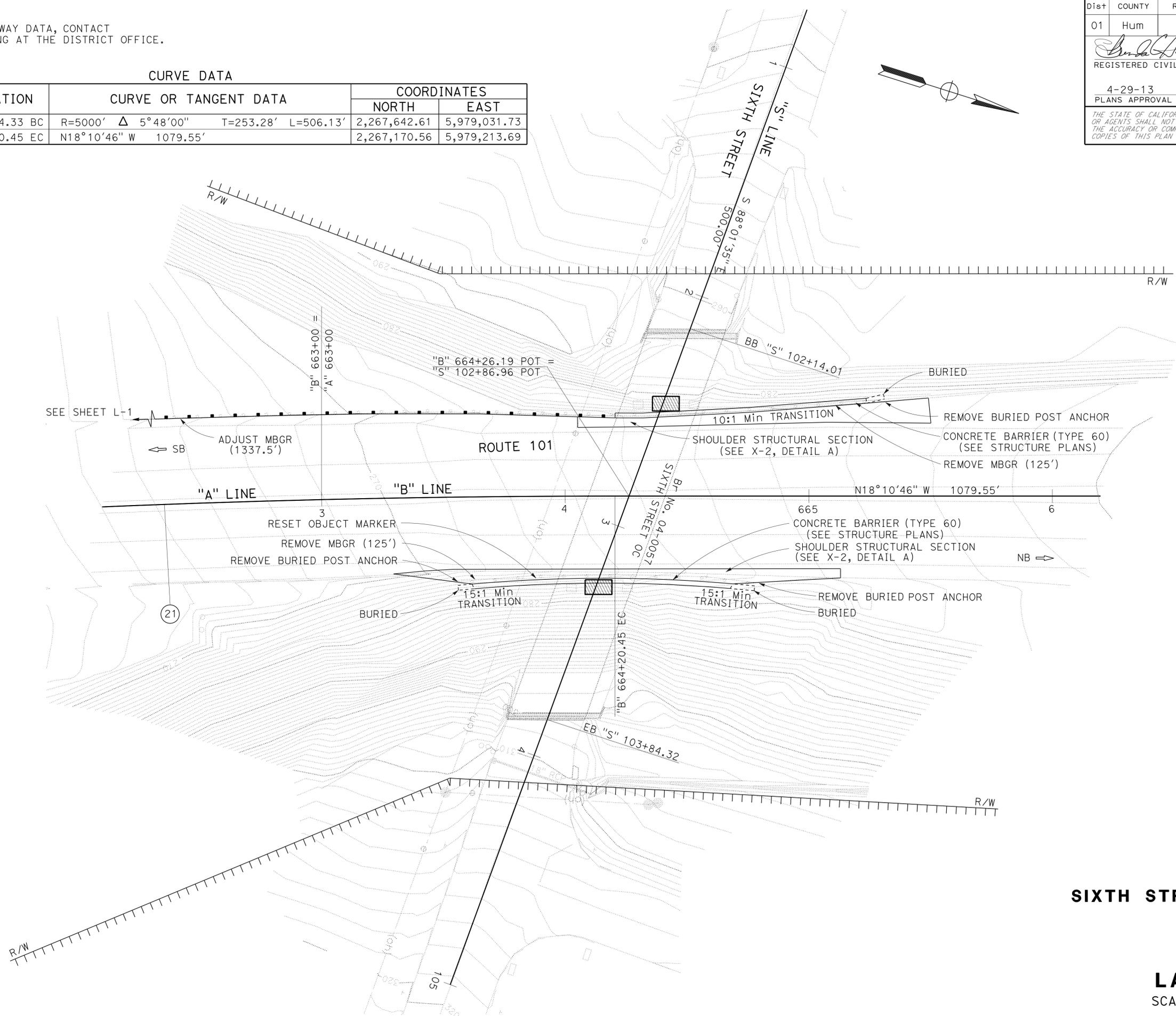
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01	Hum	101	97.7/100.7	6	90

REGISTERED CIVIL ENGINEER *Brenda Harwell* 12-5-12 DATE
 4-29-13 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

No.⊕	LINE	STATION	CURVE OR TANGENT DATA	COORDINATES	
				NORTH	EAST
21	B	659+14.33 BC	R=5000' Δ 5°48'00" T=253.28' L=506.13'	2,267,642.61	5,979,031.73
	B	664+20.45 EC	N18°10'46" W 1079.55'	2,267,170.56	5,979,213.69



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 L.R. ASHLEY
 CHECKED BY
 TOM PHILLIPS
 REVISIONS BY
 BRENDA HARWELL
 DATE REVISIONS
 TOM PHILLIPS
 DATE REVISIONS

SIXTH STREET OC

LAYOUT
 SCALE: 1" = 20'
L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BREND A HARWELL
 TOM PHILLIPS
 REVISOR BY DATE
 CALCULATED/DESIGNED BY CHECKED BY
 P:\PROJ\01\45970\dr\af+ing\Apr-11\Resubm1+0100020153ec003.dgn

LEGEND:
 LIMITS OF REMOVAL REMOVE AND REPLACE CONCRETE SIDEWALK
 LIMITS OF COLD PLANE AC AND HMA (TYPE A)

ALTERNATIVE FLARED TERMINAL SYSTEM

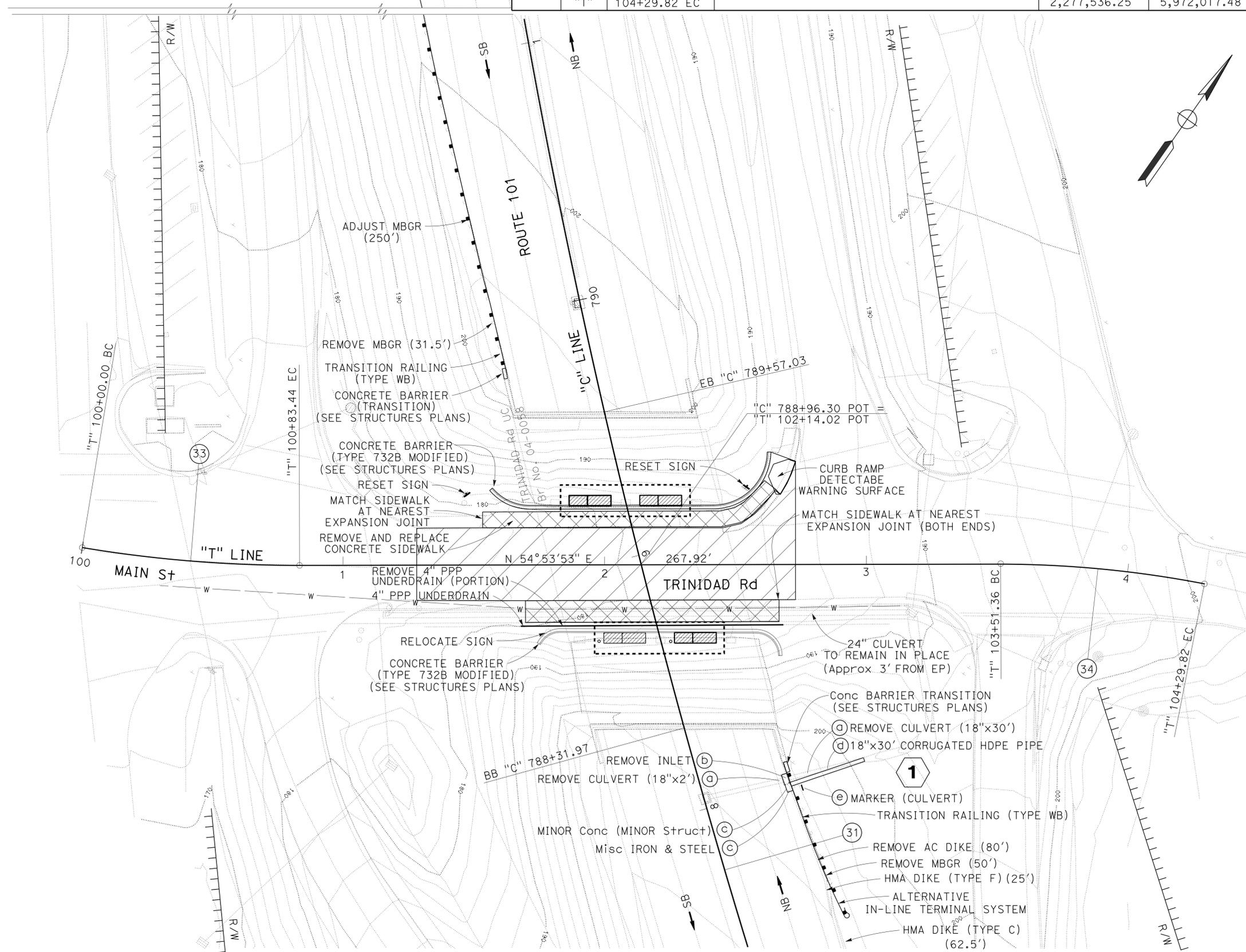
No. #	LINE	STATION	CURVE OR TANGENT DATA	COORDINATES	
				NORTH	EAST
31	"C"	786+18.06 BC	R=3000' Δ 9°34'00" T=251.03' L=500.89'	2,277,246.81	5,972,055.57
32	"C"	791+51.98 PCC	R=1800' Δ 7°40'16" T=120.68' L=241.00'	2,277,593.95	5,971,650.83
	"C"	793+92.98 EC		2,277,777.21	5,971,494.61
33	"T"	100+00.00 BC	R=500' Δ 9°33'43" T=41.82' L=83.44'	2,277,301.56	5,971,658.16
	"T"	100+83.44 EC	N 54°53'53" E 267.92'	2,277,343.64	5,971,730.10
34	"T"	103.51.36 BC	R=400' Δ 11°14'17" T=39.35' L=78.46'	2,277,497.70	5,971,949.29
	"T"	104+29.82 EC		2,277,536.25	5,972,017.48

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	7	90

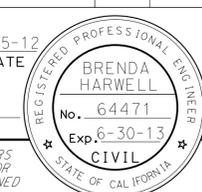
REGISTERED CIVIL ENGINEER DATE 12-5-12
 BREND A HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

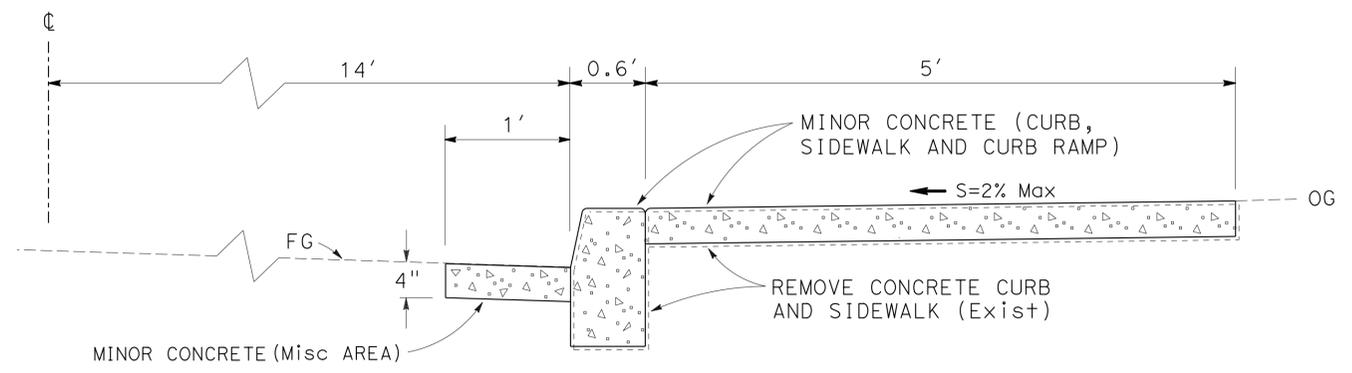
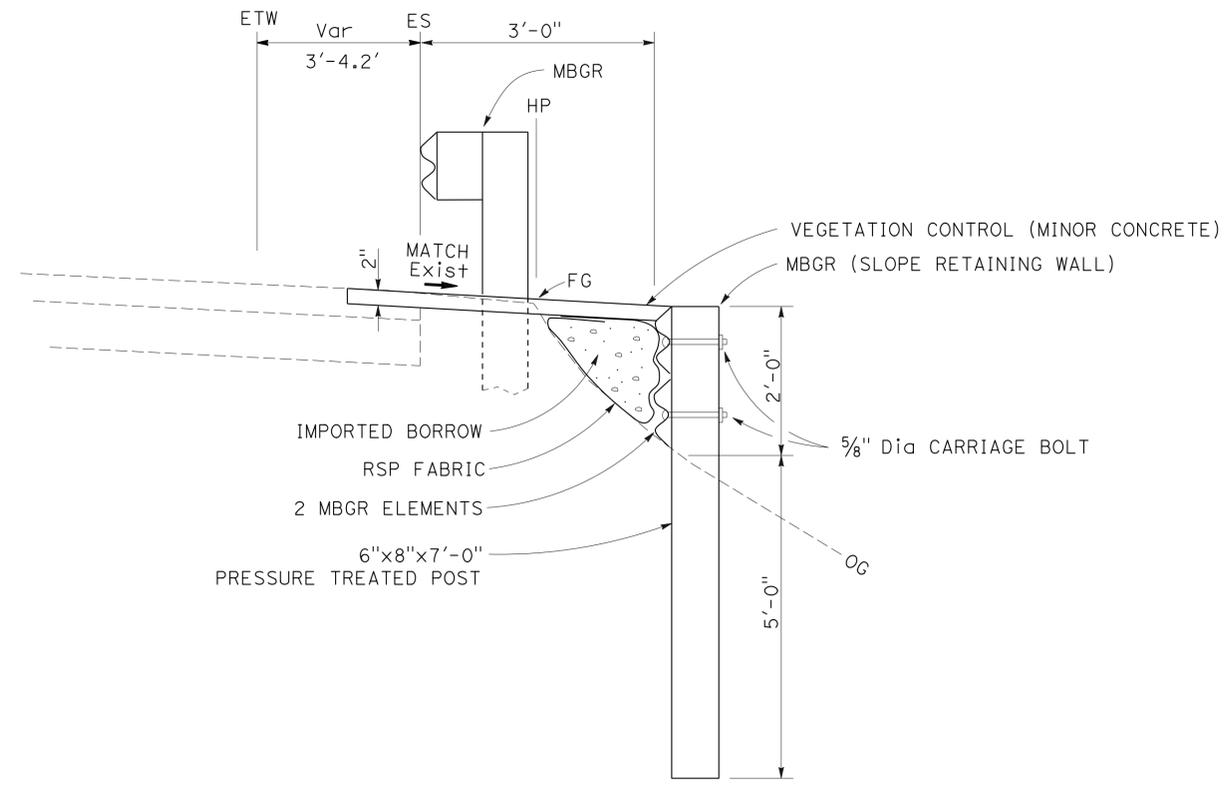
4-29-13
 PLANS APPROVAL DATE

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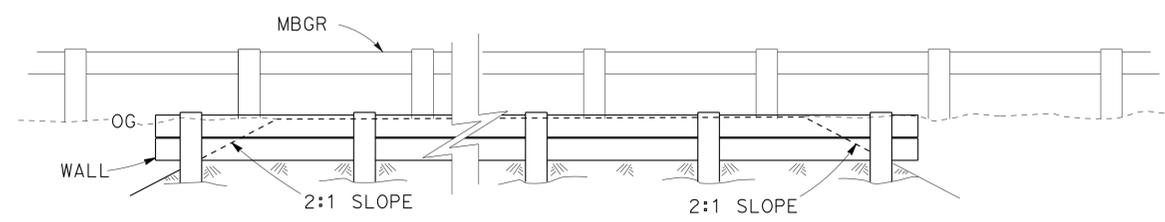
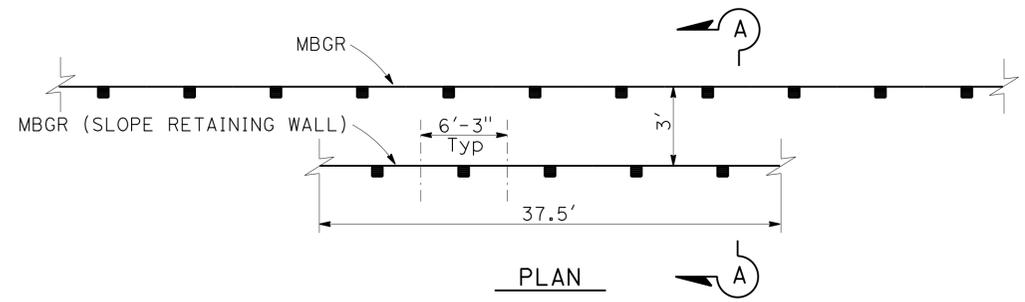


TRINIDAD ROAD UC
LAYOUT
 SCALE: 1" = 20'
L-3

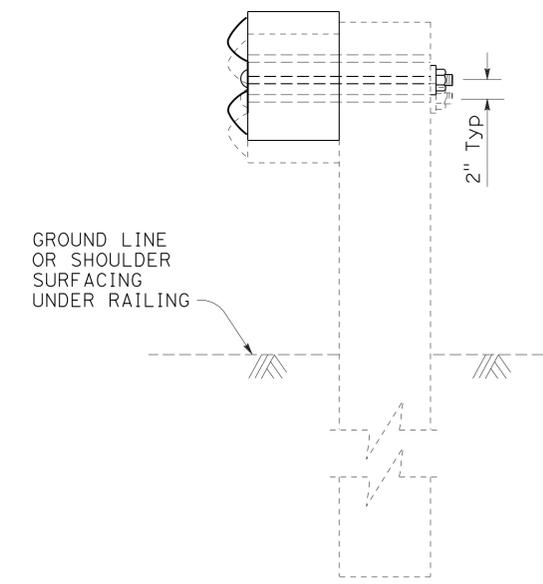
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01	Hum	101	97.7/100.7	8	90
 REGISTERED CIVIL ENGINEER DATE 12-5-12					
4-29-13 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



CURB, SIDEWALK AND CURB RAMP
 NOTE: FOR DETAILS NOT SHOWN, SEE S+D PLAN A87A



MBGR (SLOPE RETAINING WALL)
 WESTHAVEN DRIVE UNDERCROSSING
 "A" 648+30.8 TO 648+68.3



ADJUST MBGR ELEMENT
 NOTE: FOR DETAILS NOT SHOWN, SEE S+D PLAN A87A

CONSTRUCTION DETAILS
 NO SCALE
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BRENDA HARWELL
 TOM PHILLIPS
 REVISOR
 DATE
 REVISIONS
 USERNAME => s121614
 DGN FILE => 0100020153ga001.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE 15 IN INCHES
 UNIT 0313
 PROJECT NUMBER & PHASE 01000201531
 LAST REVISION DATE PLOTTED => 29-APR-2013
 02-21-12 TIME PLOTTED => 13:55

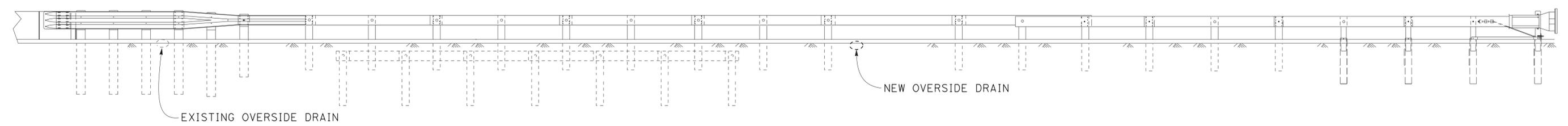
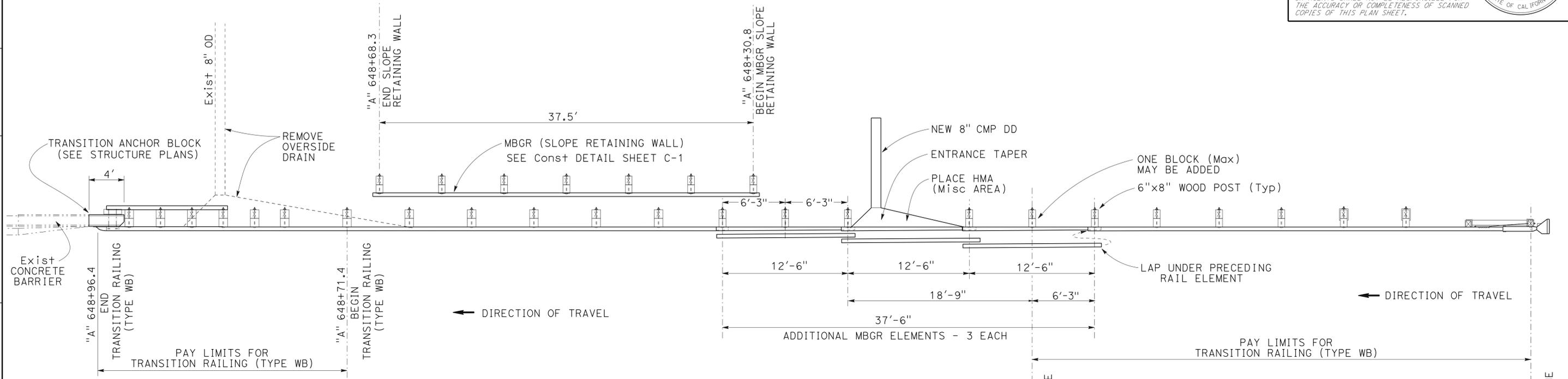
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BRENDA HARWELL
 TOM PHILLIPS
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED

NOTES:
 1. FOR DETAILS NOT SHOWN SEE STANDARD PLAN A77A1 AND A77J4.
 2. NUMBER OF POSTS OMITTED TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	10	90

REGISTERED CIVIL ENGINEER
 12-5-12 DATE
 4-29-13 PLANS APPROVAL DATE
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

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OVERSIDE DRAIN (ONE POST OMITTED) AND MBGR (SLOPE RETAINING WALL)

WESTHAVEN DRIVE UC

CONSTRUCTION DETAILS
 NO SCALE
C-3

LAST REVISION DATE PLOTTED => 29-APR-2013 02-21-12 TIME PLOTTED => 10:09

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 SENIOR LANDSCAPE ARCHITECT
 RON FLORY
 CALCULATED/DESIGNED BY
 CHECKED BY
 JIM HIBBERT
 LAURA LAZZARATTO
 REVISED BY
 DATE REVISED
 00/00/00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	11	90

J. Hibbert
 LICENSED LANDSCAPE ARCHITECT

4-29-13
 PLANS APPROVAL DATE

5/31/13
 12-5-12
 Signature
 Renewal Date
 DATE

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SEED MIX

SEED	BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
MIX 1	VULPIA MICROSTACHYS THREE WEEKS FESCUE	80	10

EROSION CONTROL TYPE 1

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	COMPOST	COMPOST	MEDIUM	270 CY/ACRE
STEP 2	DRY SEED	SEED	MIX 1	10 LB/ACRE

EROSION CONTROL QUANTITIES

LOCATION			DESCRIPTION	COMPOST	DRY SEED
STATION	L+	R+		SQFT	SQFT
W" 101+60 TO 102+04	X		EROSION CONTROL TYPE 1	2,000	2,000
"W" 101+60 TO 102+40		X	EROSION CONTROL TYPE 1	1,500	1,500
"B" 664+25 TO 664+70	X		EROSION CONTROL TYPE 1	700	700
"B" 664+00 TO 664+40		X	EROSION CONTROL TYPE 1	700	700
"T" 101+40 TO 102+50	X		EROSION CONTROL TYPE 1	550	550
"T" 101+40 TO 102+50		X	EROSION CONTROL TYPE 1	550	550
TOTAL				6,000	6,000

**EROSION CONTROL LEGEND
 AND QUANTITIES
 ECL-1**

LAST REVISION | DATE PLOTTED => 29-APR-2013
 00-00-00 | TIME PLOTTED => 10:09

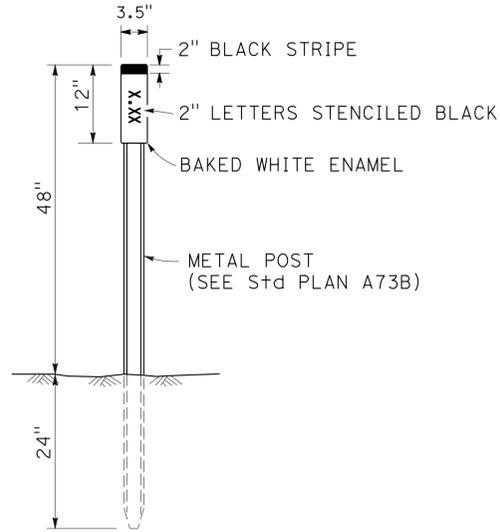
NOTE: (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	12	90

Brenda Harwell
 REGISTERED CIVIL ENGINEER DATE 12-5-12
 4-29-13
 PLANS APPROVAL DATE

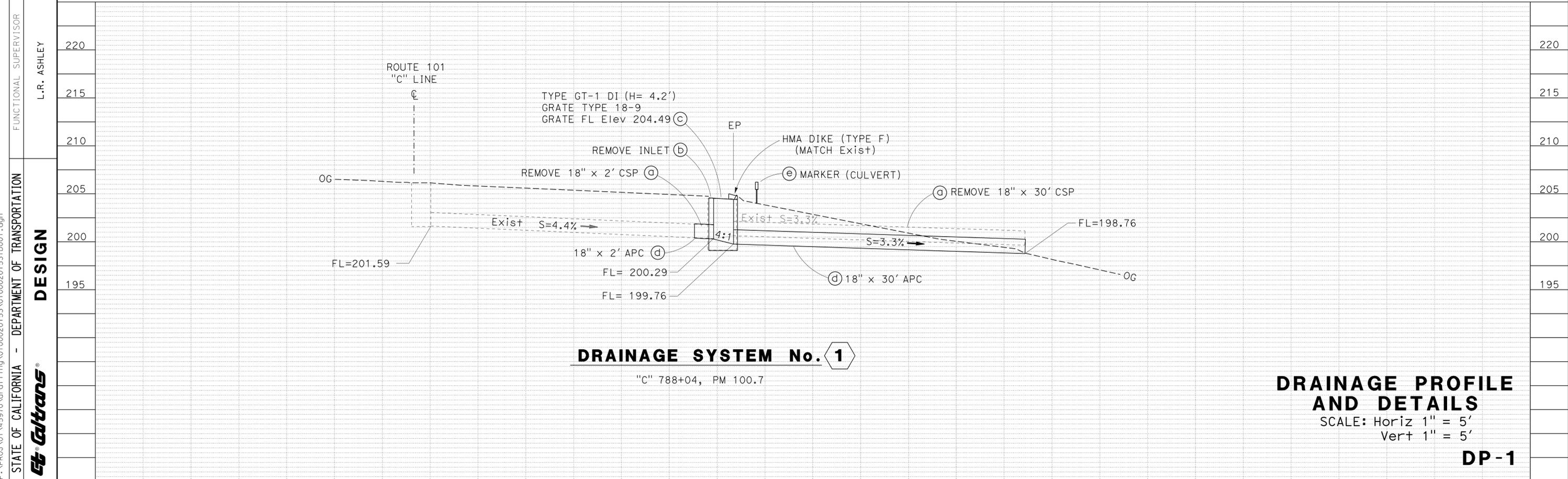
REGISTERED PROFESSIONAL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS
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MARKER (CULVERT)

NO SCALE



DRAINAGE SYSTEM No. 1

"C" 788+04, PM 100.7

DRAINAGE PROFILE AND DETAILS

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

DP-1

REVISOR	REVISION	DATE
BRENDA HARWELL		
TOM PHILLIPS		
CALCULATED/DESIGNED BY	CHECKED BY	
L.R. ASHLEY		
FUNCTIONAL SUPERVISOR		
DESIGN		
DEPARTMENT OF TRANSPORTATION		
STATE OF CALIFORNIA		



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	13	90

Brenda Harwell
 REGISTERED CIVIL ENGINEER DATE 12-5-12
 4-29-13
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ALLOWABLE CULVERT ALTERNATIVES

SYSTEM No.	DRAINAGE UNIT	CSP	PLASTIC
1	d	x	x
CSP GALVANIZED (0.109" THICK POLYMERIC SHEET COATED) PLASTIC PIPE (HDPE)			

NOTES:

- LENGTHS OF PIPES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- ALTERNATIVE PIPE SHALL BE REINFORCED CONCRETE OR PLASTIC.
- (N) NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.

UNDERDRAIN - 4" PLASTIC PIPE

STRUCTURE LOCATION	STATION	REMOVE UNDERDRAIN	4" PPP UNDERDRAIN
		LF	
TRINIDAD ROAD UC	"T" 101+68.0 TO 102+68.0 R+	100	100
TOTAL		100	100

TYPE 1 OVERSIDE DRAIN SUMMARY

STRUCTURE LOCATION	STATION	SIDE	HMA (TYPE A)	PLACE HMA (Misc AREA)	REMOVE OVERSIDE DRAIN	8" ENTRANCE TAPER	8" ANCHOR ASSEMBLY	8" CORRUGATED STEEL PIPE DOWNDRAIN	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	REMARKS
			TON	SQYD	EA			LF	CY	SQYD	
WESTHAVEN DRIVE UC	"A" 648+90	R+	0.4	2.4	1	1		10	0.67	3.33	REMOVE/REPLACE OVERSIDE DRAIN
	"A" 650+50	R+	0.4	2.4	1	1		20	0.67	3.33	REMOVE/REPLACE OVERSIDE DRAIN
	"W" 102+10	L+	1.0		1	1	1	50			REMOVE/REPLACE OVERSIDE DRAIN UNDER UC NEAR ABUTMENT
TOTAL			1.8	4.8*	3	3	1	80	1.34	6.66	

DRAINAGE QUANTITIES

STRUCTURE LOCATION	STATION	SYSTEM AND UNIT NUMBERS	REMOVE CULVERT	REMOVE INLET	MINOR Conc (MINOR STRUCTURE)	18" APC	Misc IRON AND STEEL	MARKER (CULVERT)	PLACE HMA (Misc AREA)	REMARKS	SYSTEM AND UNIT NUMBERS		
			EA	EA	CY	LF	LB	EA	SQYD				
TRINIDAD ROAD UC	"C" 788+04 R+	1	(a)	1						REMOVE 18"x30' Bi+ COATED CSP BETWEEN MBGR POSTS 1 & 2	(a)	1	
			(b)	1	1					REMOVE 18"x2' Bi+ COATED CSP LEFT OF DI	(b)		
			(c)			1.9		996		7	DI TYPE GT1 WITH GRATE TYPE 18-9 (2 GRATES) H=4.2'		(c)
			(d)				30						(d)
			(e)					2			1		MARKER (CULVERT): STENCIL "100.7"
TOTAL			2	1	1.9	32	996	1	7*				

*FOR ADDITIONAL QUANTITIES, SEE SHEET Q-I.

DRAINAGE QUANTITIES DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BREND A HARWELL
 TOM PHILLIPS
 REVIS ED BY DATE
 CALCULATED/DESIGNED BY CHECKED BY
 USERNAME => s109858
 DGN FILE => 01000201531d001.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE IS IN INCHES
 UNIT 0313
 PROJECT NUMBER & PHASE 01000201531

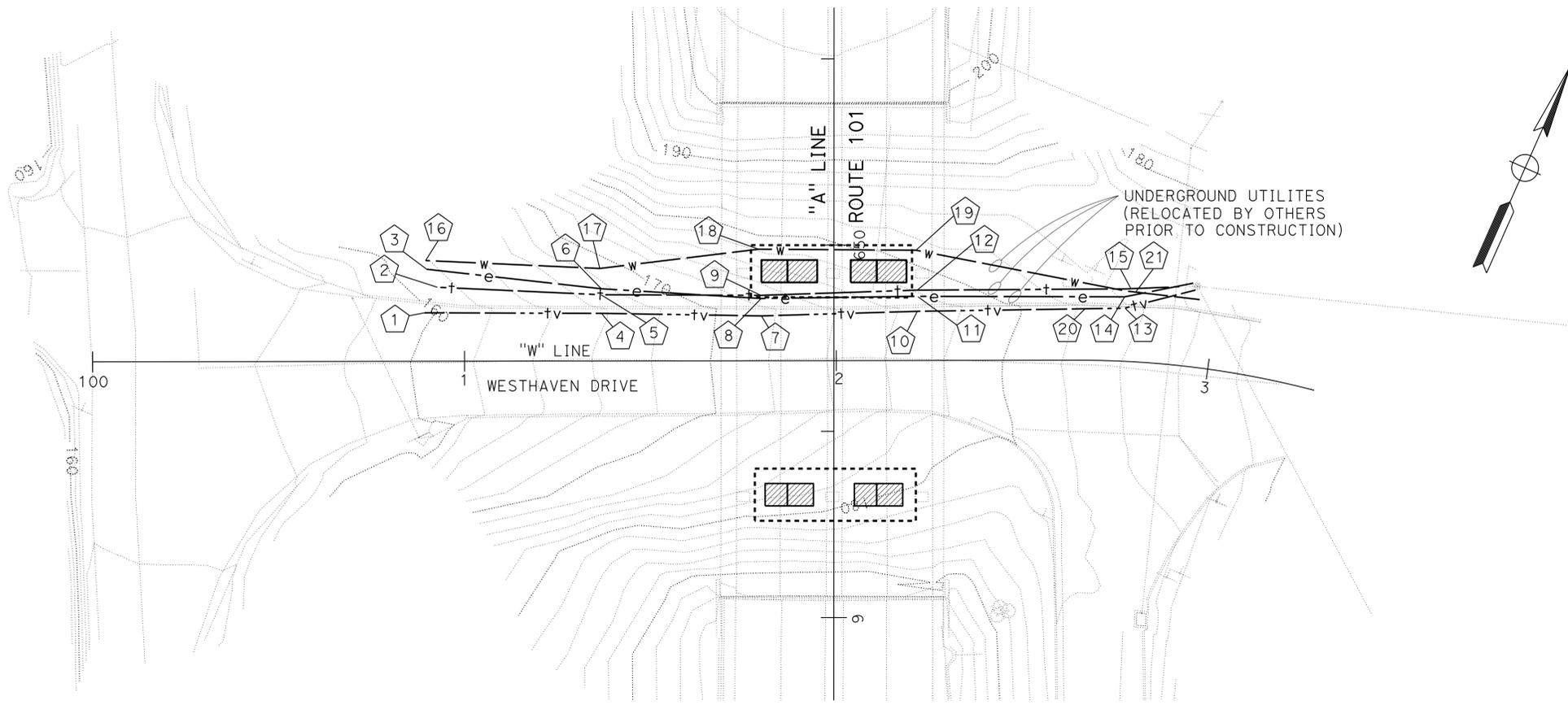
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 02-21-12 TIME PLOTTED => 09:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	14	90

Brenda Harwell
 REGISTERED CIVIL ENGINEER DATE 12-5-12
 4-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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POSITIVE LOCATION INFORMATION

POTHOLE #	UTILITY	NORTHING	EASTING	ELEVATION OF EXISTING GROUND SURFACE	DEPTH OF EXISTING UTILITY
				FT	
1	CABLE	2266273.74	5979492.07	159.80	3.17
2	TELEPHONE	2266281.41	5979492.42	160.75	2.00
3	ELECTRIC	2266284.67	5979487.84	161.47	4.00
4	CABLE	2266292.97	5979535.60	165.75	3.33
5	TELEPHONE	2266297.49	5979533.48	166.26	2.00
6	ELECTRIC	2266298.98	5979532.87	166.97	3.58
7	CABLE	2266309.84	5979575.18	171.63	3.83
8	ELECTRIC	2266314.06	5979573.21	172.19	3.33
9	TELEPHONE	2266314.82	5979572.80	172.43	2.00
10	CABLE	2266327.90	5979612.75	176.54	3.00
11	ELECTRIC	2266331.44	5979610.78	177.33	3.58
12	TELEPHONE	2266332.93	5979610.07	177.84	2.17
13	CABLE	2266351.45	5979663.55	183.41	2.83
14	ELECTRIC	2266354.25	5979662.34	184.13	3.41
15	TELEPHONE	2266356.35	5979661.82	184.36	2.17
16	WATER	2266286.68	5979486.62	161.70	3.33
17	WATER	2266303.79	5979530.28	168.58	3.00
18	WATER	2266325.88	5979567.18	176.65	3.00
19	WATER	2266342.85	5979605.97	180.84	3.33
20	CABLE	2266355.81	5979661.95	184.32	3.33
21	WATER	2266354.80	5979662.36	184.24	N/A

LEGEND

- POTHOLE #
- UTILITY POLE
- BOTTOM OF SHEAR WALL FOOTING (SEE STRUCTURE PLANS)
- Approx LIMITS OF EXCAVATION (SEE STRUCTURES PLANS)
- WATER LINE - 3" ASBESTOS/CEMENT PIPE (110 psi)
- ELECTRIC - 12 kV IN CONDUIT
- COMMUNICATIONS - FIBER OPTIC IN CONDUIT
- TELEPHONE - COPPER CABLE IN CONDUIT

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83, ZONE 1.
3. ELEVATION IS BASED ON NAVD88 DATUM.
4. ELEVATIONS SHOWN REFER TO THE TOP OF PIPE OR CONDUIT, UNLESS OTHERWISE STATED.
5. UTILITY OWNERSHIP ON THIS PROJECT ARE AS SHOWN:

 WATER - WESTHAVEN COMMUNITY SERVICES DISTRICT (WCSD) (U-1, U-2)
 WATER - TRINIDAD WATER COMPANY (U-3)
 ELECTRICAL - PACIFIC GAS & ELECTRIC (PG&E)
 TELEPHONE - AMERICAN TELEPHONE & TELEGRAPH (AT&T)
 COMMUNICATION - SUDDENLINK
6. UNDERGROUND UTILITIES HAVE BEEN VERIFIED BY POTHOLING.

UTILITY PLAN
 SCALE: 1" = 20'
U-1

THIS PLAN ACCURATE FOR UTILITY WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BREND A HARWELL
 TOM PHILLIPS
 REVISOR BY
 DATE REVISOR
 CALCULATED-DESIGNED BY
 CHECKED BY
 USERNAME => s109858
 DGN FILE => 0100020153ka001.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0313
 PROJECT NUMBER & PHASE
 01000201531

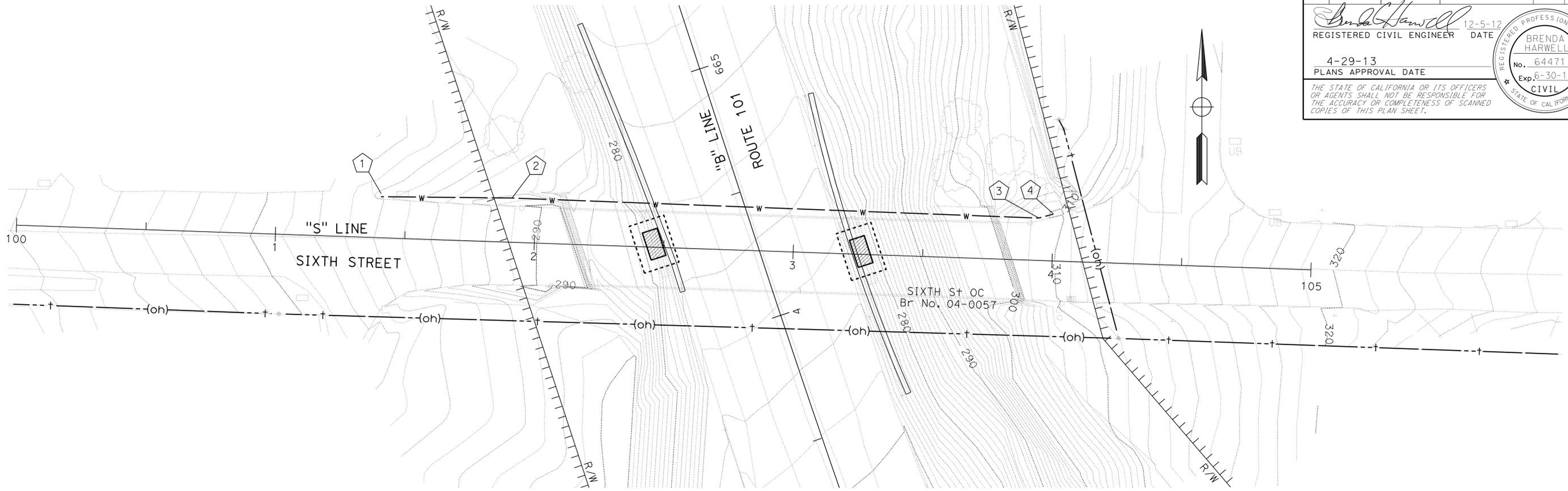
LAST REVISION DATE PLOTTED => 29-APR-2013
 02-21-12 TIME PLOTTED => 09:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	15	90

Brenda Harwell
 REGISTERED CIVIL ENGINEER DATE 12-5-12
 4-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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



POSITIVE LOCATION INFORMATION

POTHOLE #	UTILITY	NORTHING	EASTING	ELEVATION OF EXISTING GROUND SURFACE	DEPTH OF EXISTING UTILITY
				FT	
1	WATER	2267668.93	5978883.87	284.14	2.67
2	WATER	2267668.43	5978934.20	289.64	1.25
3	WATER	2267660.68	5979137.69	309.62	1.08
4	WATER	2267662.21	5979143.41	309.91	3.00

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BREND A HARWELL
 TOM PHILLIPS
 REVIS ED BY DATE REVIS ED
 CALCULATED-DESIGNED BY CHECKED BY
 USERNAME => s109858
 DGN FILE => 0100020153ka002.dgn
 BORDER LAST REVISED 7/2/2010

THIS PLAN ACCURATE FOR UTILITY WORK ONLY



UNIT 0313

PROJECT NUMBER & PHASE

01000201531

UTILITY PLAN
 SCALE: 1" = 20' **U-2**

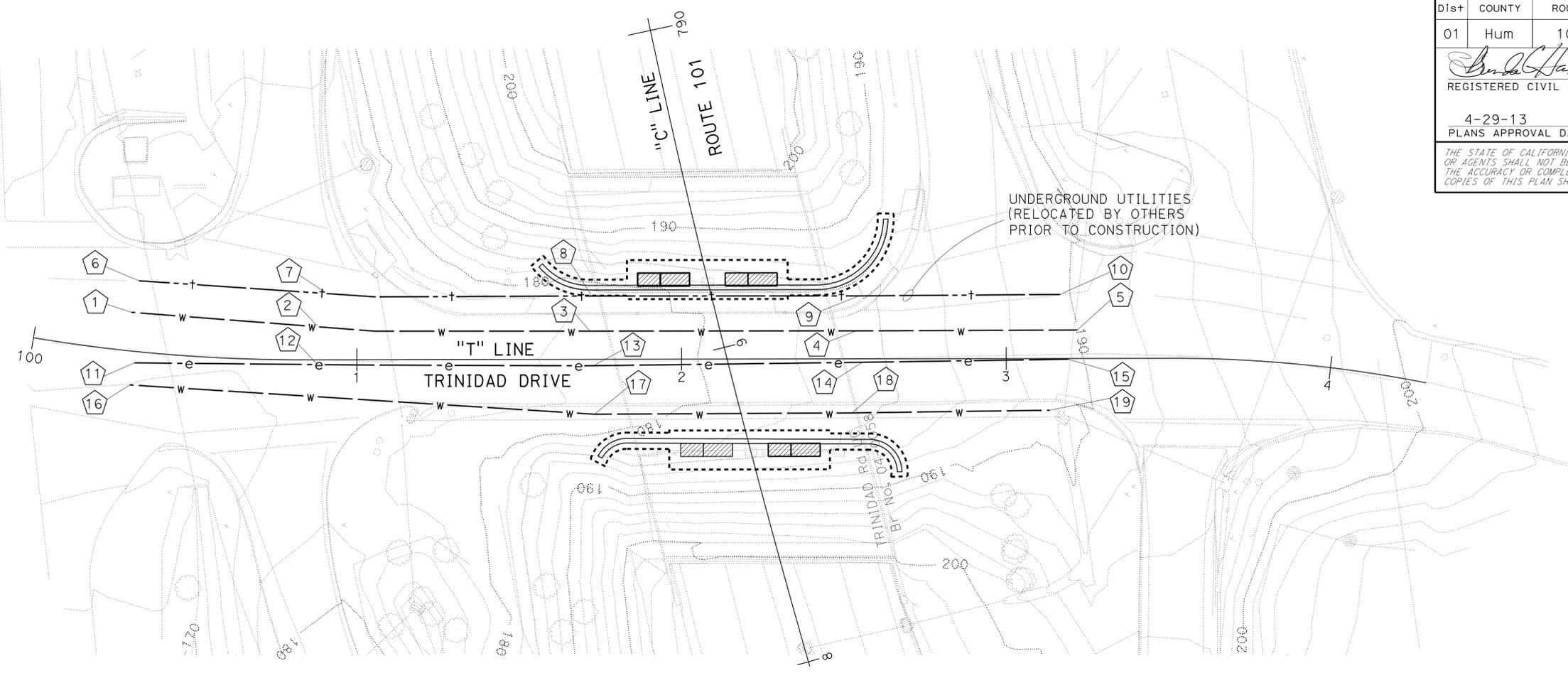
LAST REVISION DATE PLOTTED => 29-APR-2013
 02-21-12 TIME PLOTTED => 09:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	16	90

Brenda Harwell
 REGISTERED CIVIL ENGINEER DATE 12-5-12
 4-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
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 STATE OF CALIFORNIA

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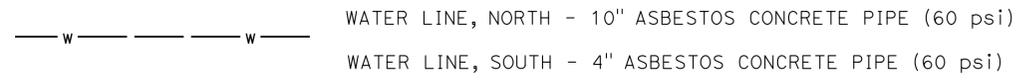


POSITIVE LOCATION INFORMATION

POTHOLE #	UTILITY	NORTHING	EASTING	ELEVATION OF EXISTING GROUND SURFACE	DEPTH OF EXISTING UTILITY
				FT	
1	WATER	2277325.27	5971678.41	176.78	6.00
2	WATER	2277363.42	5971742.97	176.71	5.50
3	WATER	2277401.43	5971797.24	178.39	4.50
4	WATER	2277448.64	5971864.53	183.39	4.58
5	WATER	2277487.91	5971920.15	190.07	4.25
6	TELEPHONE	2277334.51	5971674.71	176.62	3.75
7	TELEPHONE	2277372.29	5971737.30	176.38	2.50
8	TELEPHONE	2277409.09	5971789.38	178.55	2.50
9	TELEPHONE	2277457.93	5971859.05	183.92	1.92
10	TELEPHONE	2277493.82	5971909.55	189.71	3.50
11	ELECTRIC	2277313.08	5971688.07	176.39	4.17
12	ELECTRIC	2277354.32	5971748.14	176.71	5.75
13	ELECTRIC	2277392.32	5971802.79	178.48	5.58
14	ELECTRIC	2277441.82	5971871.63	183.41	**
15	ELECTRIC	2277478.96	5971923.03	189.59	**
16	WATER	2277306.72	5971690.80	176.04	5.00
17	WATER	2277381.42	5971813.18	179.23	1.75
18	WATER	2277427.26	5971877.94	183.57	1.25
19	WATER	2277462.83	5971927.31	189.11	2.67

** UNABLE TO LOCATE PG&E AT 7.5'

LEGEND



UTILITY PLAN

SCALE: 1" = 20' **U-3**

THIS PLAN ACCURATE FOR UTILITY WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN L.R. ASHLEY FUNCTIONAL SUPERVISOR CHECKED BY TOM PHILLIPS REVISIONS BY BRENDA HARWELL DATE 4-29-13

LAST REVISION DATE PLOTTED => 29-APR-2013 02-21-12 TIME PLOTTED => 09:42

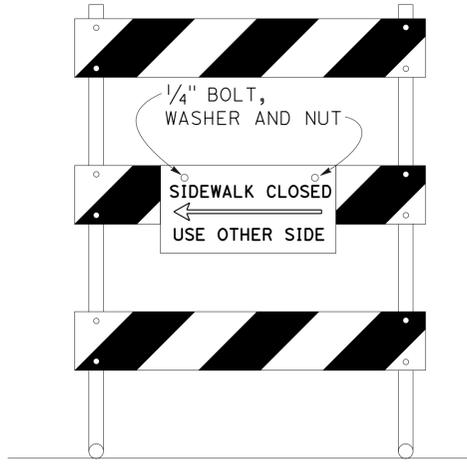
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NUMBER AND SIZE OF POSTS	NUMBER OF SIGNS	REMARKS
			INCHES	INCHES	EA	
A	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144 X 60	2 - 6 x 8	2	
B	G20-1	ROAD CONSTRUCTION NEXT 4 MILES	90 X 48	2 - 6 x 6	2	
	C23B (CA)	SEISMIC RETROFIT	36 X 24		2	
C	W11-1	BICYCLE SYMBOL	36 X 36	1 - 4 x 6	2	
	W16-1	SHARE THE ROAD	24 X 30		2	
D	G20-2	END ROAD WORK	48 X 24	1 - 4 x 6	2	
E	W20-1	ROAD WORK AHEAD	36 X 36	1 - 4 x 6	10	
F	W9-1	RIGHT LANE ENDS	48 X 48	1 - 6 x 6	2	SEE SHEET TH-2
G	W4-2	LANE ENDS SYMBOL	48 X 48	1 - 6 x 6	2	SEE SHEET TH-2
H	R4-1	DO NOT PASS	36 X 48	1 - 4 x 6	2	SEE SHEET TH-2
I	W11-2	PEDESTRIAN SYMBOL	30 X 30	1 - 4 x 6	4	SEE SHEET SC-1
	W16-7	DOWNWARD DIAGONAL ARROW	24 X 12		4	SEE SHEET SC-1

NOTE: EXACT SIGN LOCATION TO BE DETERMINED BY THE ENGINEER.

BARRICADE MOUNTED CONSTRUCTION AREA SIGNS

SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NUMBER OF SIGNS	REMARKS
			INCHES	EA	
J	R9-10 (R+)	SIDEWALK CLOSED USE OTHER SIDE	24 X 12	1	MOUNT ON TYPE III BARRICADE (SEE SHEET SC-1&2)
K	R9-10 (L+)	SIDEWALK CLOSED USE OTHER SIDE	24 X 12	1	MOUNT ON TYPE III BARRICADE (SEE SHEET SC-1&2)



BARRICADE MOUNTED CONSTRUCTION AREA SIGN

36" X 24"
6" CAPS
BLACK/ORANGE

SEISMIC RETROFIT

C23B (CA)

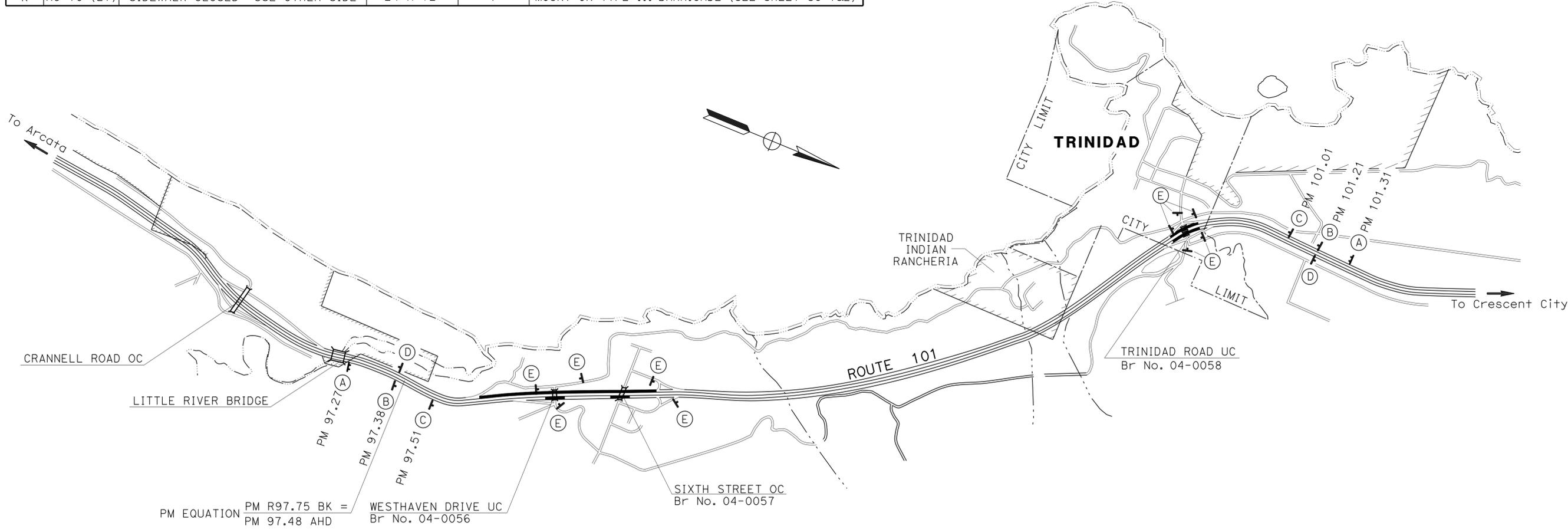
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	17	90

Sheri M. Rodriguez
REGISTERED CIVIL ENGINEER
DATE 12-5-12

4-29-13
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
SHERI RODRIGUEZ
No. C66861
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA



CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 TROR. ARSENEAU
 SHERI RODRIGUEZ
 BRENDA HARWELL
 CALULATED-DESIGNED BY
 CHECKED BY
 REVISD BY
 DATE REVISED
 USERNAME => s109858
 DGN FILE => 01000201531a001.dgn
 RELATIVE BORDER SCALE IS IN INCHES
 UNIT 0313
 PROJECT NUMBER & PHASE
 01000201531

LAST REVISION DATE PLOTTED => 29-APR-2013
 02-21-12 TIME PLOTTED => 09:42

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR	TROR. ARSENEAU
CALCULATED/DESIGNED BY	CHECKED BY
SHERI RODRIGUEZ	BRENDA HARWELL
REVISED BY	DATE REVISED

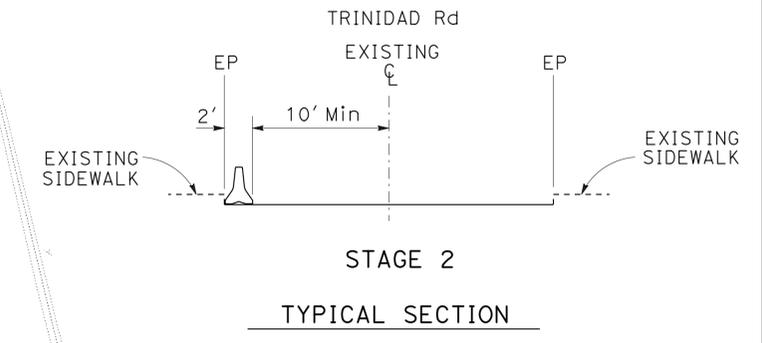
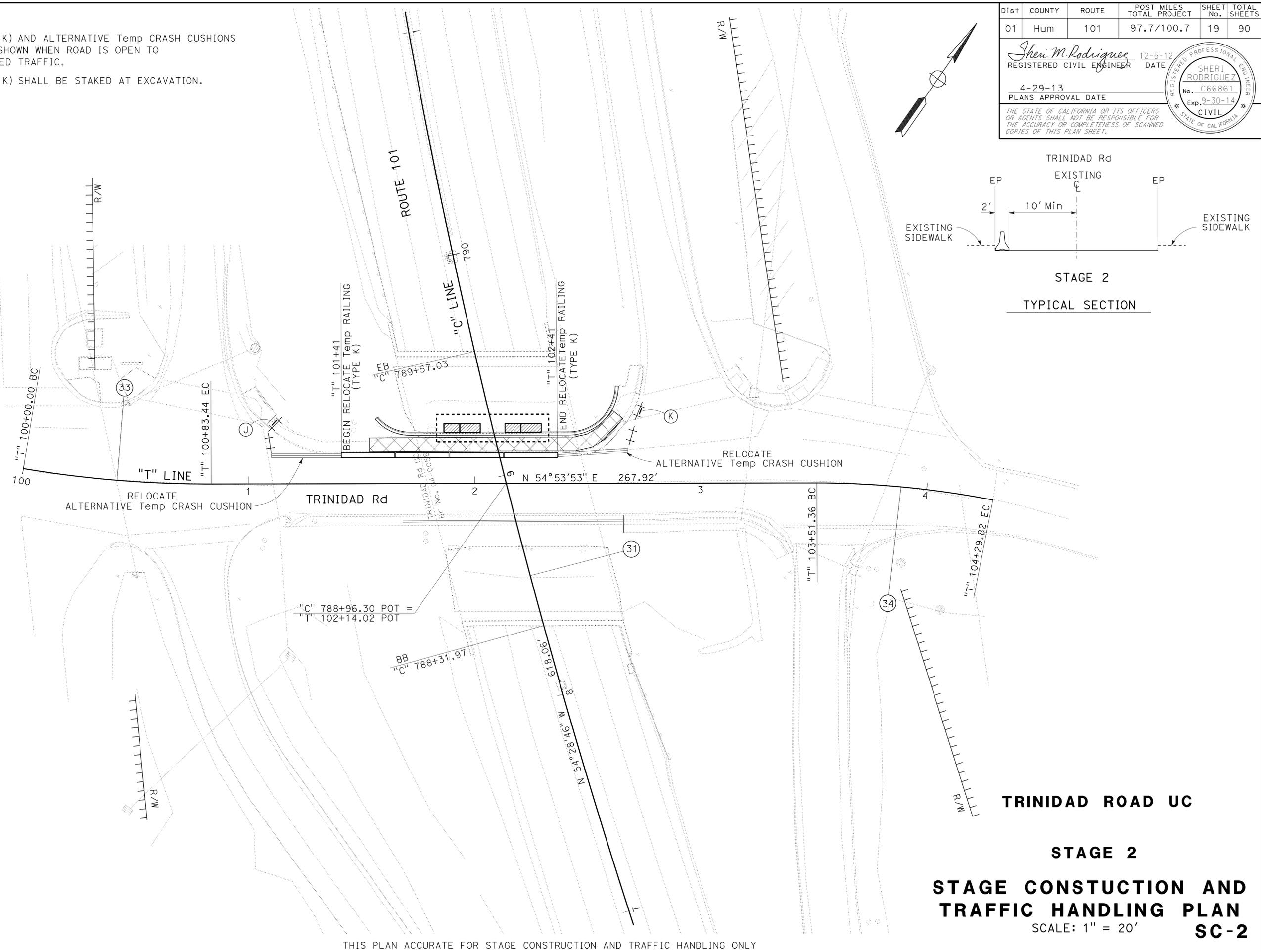
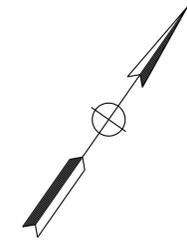
- NOTES:
- Temp RAILING (TYPE K) AND ALTERNATIVE Temp CRASH CUSHIONS TO BE IN PLACE AS SHOWN WHEN ROAD IS OPEN TO TWO-WAY UNCONTROLLED TRAFFIC.
 - Temp RAILING (TYPE K) SHALL BE STAKED AT EXCAVATION. (SEE S+D PLAN T3B)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	19	90

Sheri M. Rodriguez
 REGISTERED CIVIL ENGINEER
 12-5-12 DATE
 4-29-13 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 SHERI RODRIGUEZ
 No. C66861
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

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TRINIDAD ROAD UC
 STAGE 2
 STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
 SCALE: 1" = 20'
 SC-2

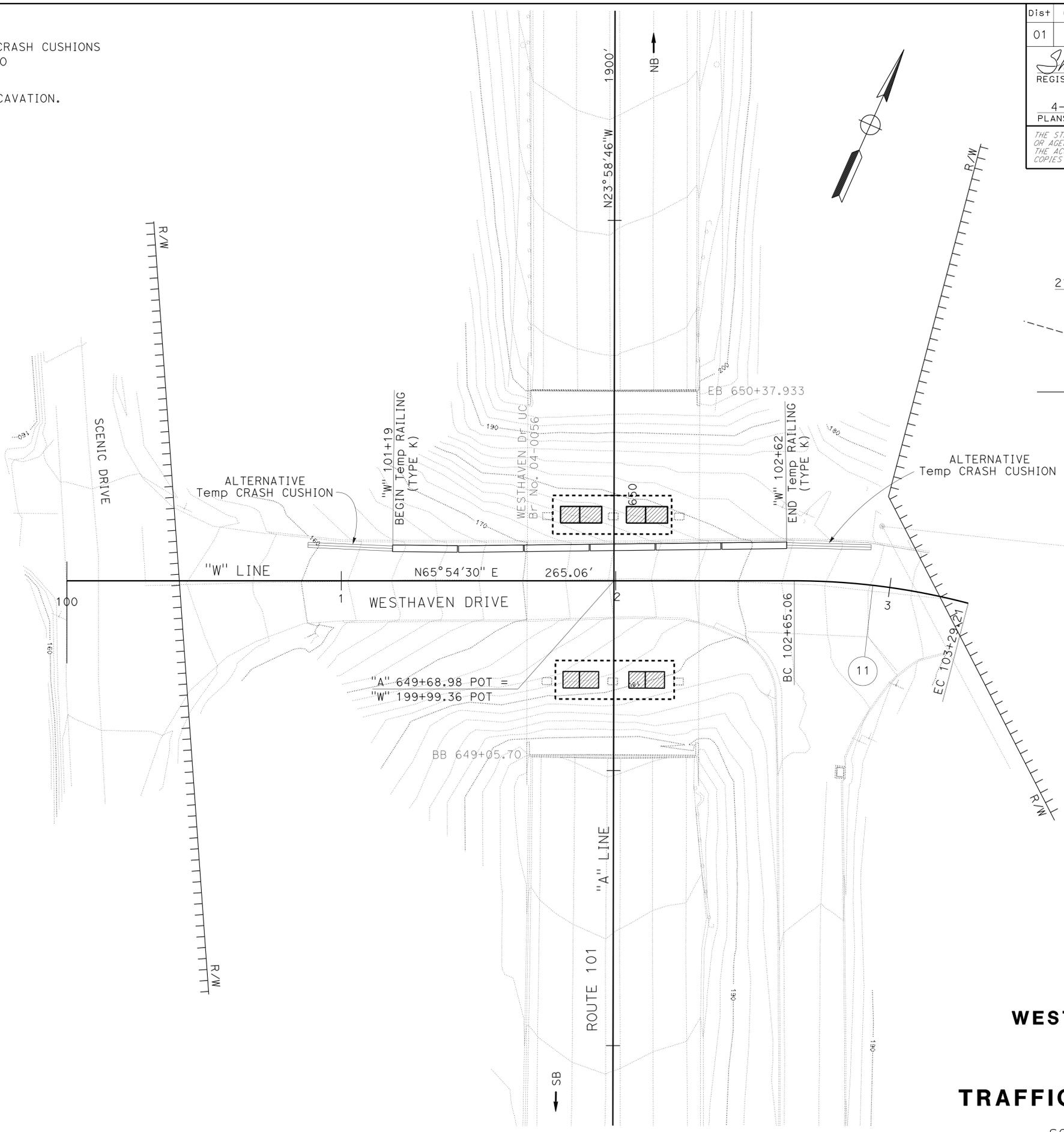
THIS PLAN ACCURATE FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR	TROR. ARSENEAUX
CALCULATED/DESIGNED BY	CHECKED BY
SHERI RODRIGUEZ	BRENDA HARWELL
REVISOR	DATE

- NOTES:**
- Temp RAILING (TYPE K) AND ALTERNATIVE Temp CRASH CUSHIONS TO BE IN PLACE AS SHOWN WHEN ROAD IS OPEN TO TWO-WAY UNCONTROLLED TRAFFIC.
 - Temp RAILING (TYPE K) SHALL BE STAKED AT EXCAVATION. (SEE Std PLAN T3B)

- LEGEND**
- BOTTOM OF SHEAR WALL FOOTING (SEE STRUCTURE PLANS)
 - Approx LIMITS OF EXCAVATION (SEE STRUCTURES PLANS)
 - TRAFFIC PLASTIC DRUM
 - FLASHING ARROW BOARD

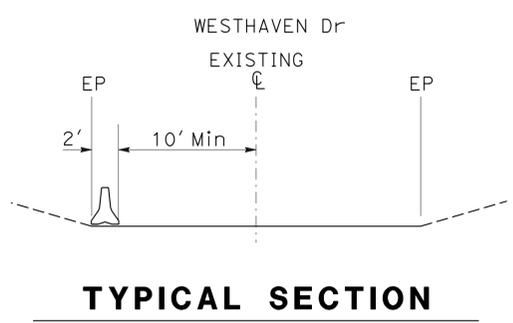


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	20	90

Sheri M. Rodriguez
 REGISTERED CIVIL ENGINEER
 DATE 12-5-12
 No. C66861
 Exp. 9-30-14
 CIVIL

4-29-13
 PLANS APPROVAL DATE

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WESTHAVEN DRIVE UC
TRAFFIC HANDLING PLAN
 TH-1

SCALE: 1" = 20'

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

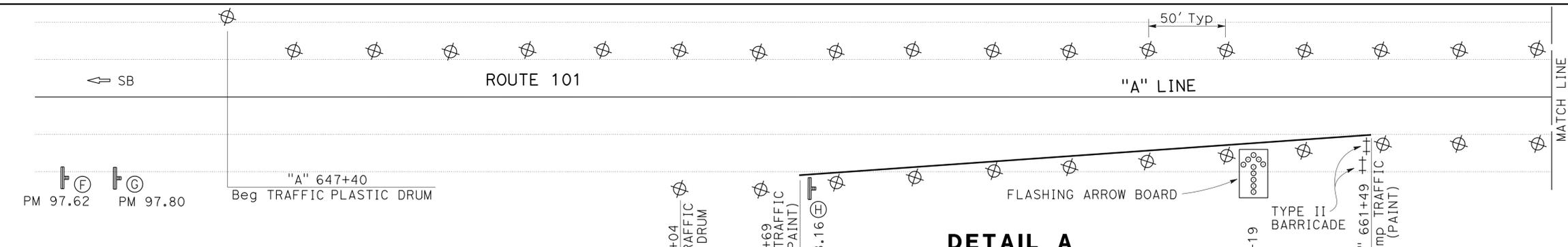
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
 FUNCTIONAL SUPERVISOR: TROR. ARSENEAUX
 CHECKED BY: BRENDA HARWELL
 REVISIONS: SHERI RODRIGUEZ
 DATE: 12-5-12
 PROJECT: 0100020153100020153md002.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	21	90

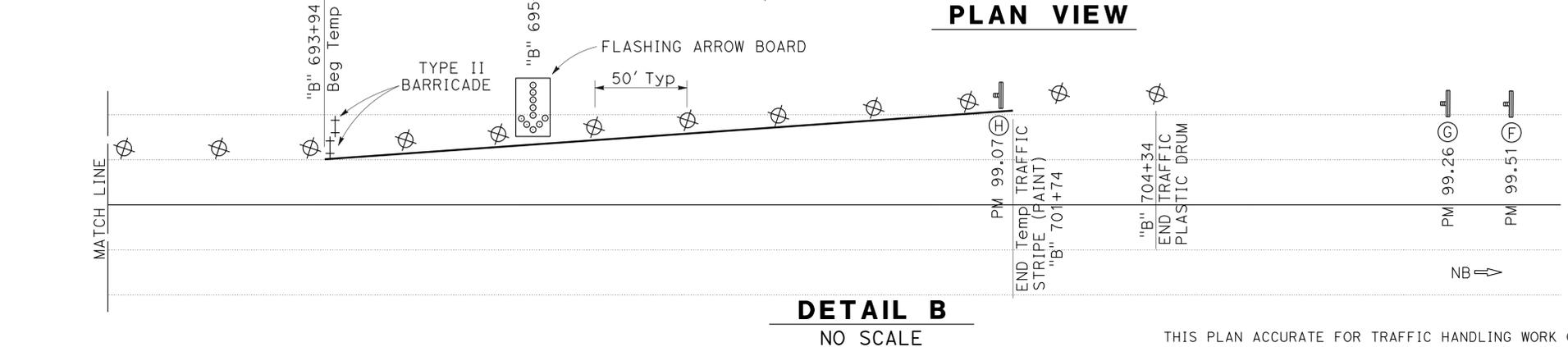
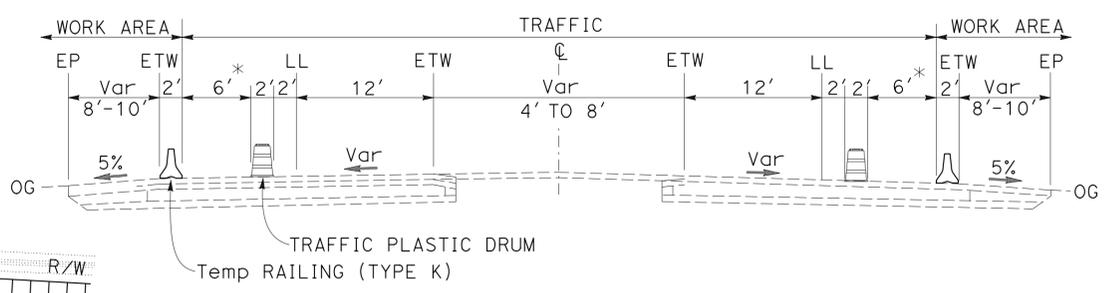
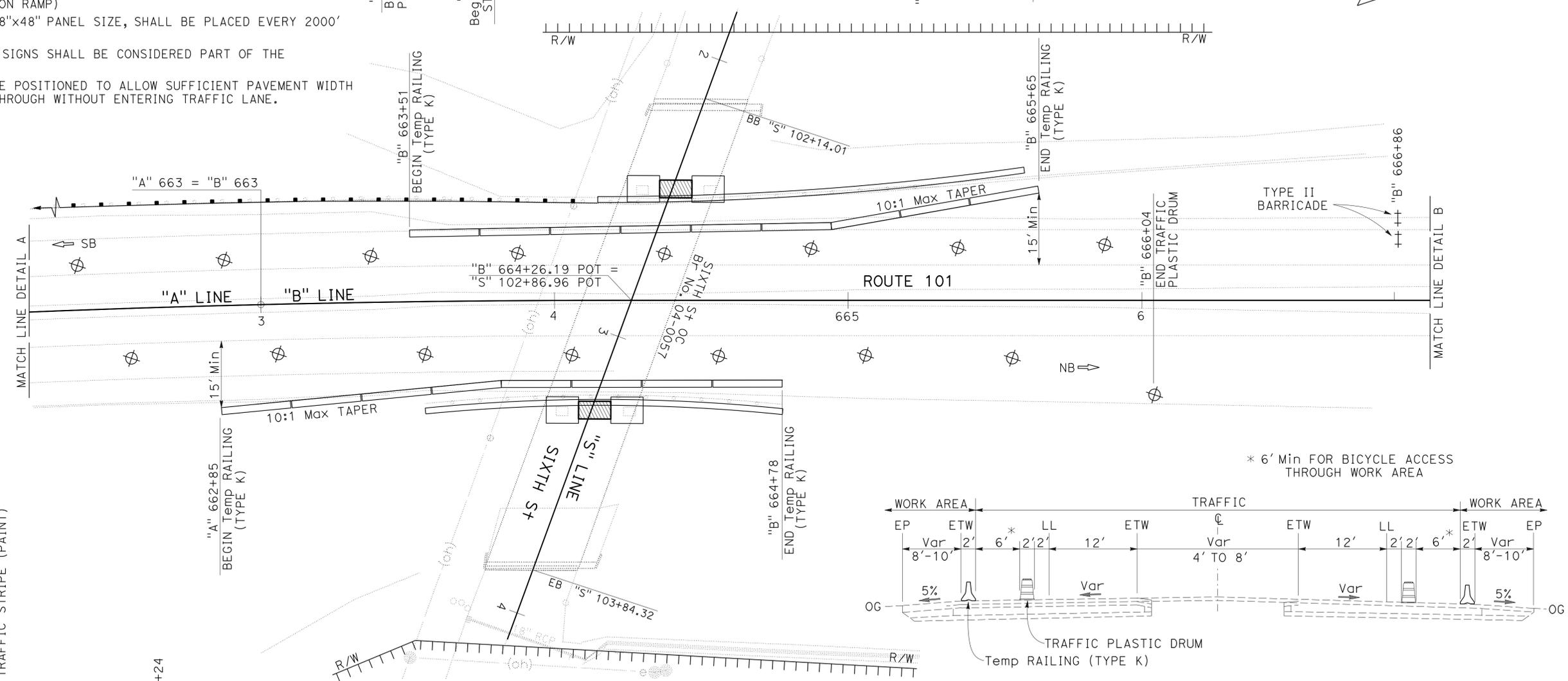
Sheri M. Rodriguez
 REGISTERED CIVIL ENGINEER
 No. C66861
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

4-29-13
 PLANS APPROVAL DATE

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- NOTES:**
- TWO TYPE II BARRICADES SHALL BE PLACED TRANSVERSELY ACROSS EACH CLOSED LANE AT EACH LOCATION WHERE A TAPER ACROSS A TRAFFIC LANE ENDS. (INCLUDING THE TAPER AT THE SIXTH STREET SB ON RAMP)
 - A C30(CA) "LANE CLOSED" SIGN, 48"x48" PANEL SIZE, SHALL BE PLACED EVERY 2000' INSIDE CLOSED LANES.
 - TYPE II BARRICADES AND C30(CA) SIGNS SHALL BE CONSIDERED PART OF THE TRAFFIC CONTROL SYSTEM.
 - FLASHING ARROW BOARDS SHALL BE POSITIONED TO ALLOW SUFFICIENT PAVEMENT WIDTH FOR CYCLISTS TO SAFELY PASS THROUGH WITHOUT ENTERING TRAFFIC LANE.



"B" LINE TYPICAL SECTION
NO SCALE

DETAIL B
NO SCALE

SIXTH STREET OC
TRAFFIC HANDLING PLAN
 SCALE: 1" = 20'
TH-2

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	23	90

Sheri M. Rodriguez 12-5-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

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REMOVE PAVEMENT DELINEATION

LOCATION	STATION		DETAIL	REMOVE PAINTED TRAFFIC STRIPE	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER
	FROM	TO		LF	LF	EA
2	"A" 653+69	"A" 661+49	11&13		192	81
2	"B" 693+94	"B" 701+74	11&13		192	81
2	"A" 653+69	"A" 661+49	27B	780		
2	"B" 693+94	"B" 701+74	27B	780		
TOTAL				1560	384	162

TEMPORARY PAVEMENT DELINEATION

LOCATION	STATION		DETAIL	TEMPORARY TRAFFIC STRIPE (PAINT)
	FROM	TO		LF
2	"A" 653+69	"A" 661+49	27B	780
2	"B" 693+94	"B" 701+74	27B	780
TOTAL				1560

PAVEMENT DELINEATION

LOCATION	STATION		DETAIL	4" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (NON-REFLECTIVE)	PAVEMENT MARKER (RETROREFLECTIVE)	REMARKS
	FROM	TO		WHITE (BROKEN 36-12)	YELLOW			
				EA	EA			
2	"A" 653+69	"A" 661+49	11 & 13	780		64	17	REPLACE EXISTING STRIPE
2	"B" 693+94	"B" 701+74	11 & 13	780		64	17	REPLACE EXISTING STRIPE
3	"T" 101+28	"T" 102+73	22		290		14	REPLACE EXISTING STRIPE
TOTAL				1560	290	128	48	

PLASTIC DRUM - BARRICADE - FLASHING ARROW SIGN

LOCATION	STATION		STAGE	TRAFFIC PLASTIC DRUM	FLASHING ARROW SIGN	TYPE II BARRICADE (N)	TYPE III BARRICADE
	FROM	TO		EA	EA	EA	EA
2	"A" 647+40 Lt	"B" 704+34 Lt		120			
2	"A" 651+04 Rt	"B" 666+04 Rt		31			
2	"A" 660+19 Rt				1		
2	"A" 661+49 Rt					2	
2	"B" 666+86 Lt					2	
2	"B" 693+94 Lt					2	
2	"B" 695+24 Lt				1		
3	"T" 101+30 Rt	"T" 101+10 Lt	2				1
3	"T" 103+20 Rt	"T" 102+67 Lt	2				1
3	"T" 101+10 Lt		2				1
3	"T" 102+67 Lt		2				1
TOTAL				151	2	6	4

NOTES:

1. LOCATION 1 IS WESTHAVEN DRIVE UC.
2. LOCATION 2 IS SIXTH STREET OC.
3. LOCATION 3 IS TRINIDAD ROAD UC.

TEMPORARY RAILING - TEMPORARY CRASH CUSHIONS

LOCATION	STATION		Rt/Lt	STAGE	TEMPORARY RAILING (TYPE K)	RELOCATE TEMPORARY RAILING (TYPE K)	ALTERNATIVE TEMPORARY CRASH CUSHION	RELOCATE ALTERNATIVE TEMPORARY CRASH CUSHION
	FROM	TO			LF	LF	EA	EA
1	"W" 100+87		Lt				1	
1	"W" 101+19	"W" 102+62	Lt		140			
1	"W" 102+62		Lt				1	
2	"A" 662+85	"B" 664+78	Rt		200			
2	"B" 663+51	"B" 665+65	Lt		220			
3	"T" 101+30		Rt	1			1	
3	"T" 101+61	"T" 102+80	Rt	1	120			
3	"T" 102+80		Rt	1			1	
3	"T" 101+10		Lt	2				1
3	"T" 101+41	"T" 102+41	Lt	2		100		
3	"T" 102+41		Lt	2				1
TOTAL					680	100	4	2

TRAFFIC HANDLING QUANTITIES THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 TROR. ARSENEAUX
 FUNCTIONAL SUPERVISOR
 CALCULATED/DESIGNED BY
 SHERI RODRIGUEZ
 BRENDIA HARWELL
 REVISOR BY
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	25	90

Brenda Harwell
 REGISTERED CIVIL ENGINEER DATE 12-5-12
 4-29-13
 PLANS APPROVAL DATE

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OBJECT MARKERS AND DELINEATORS

STRUCTURE LOCATION	STATION	L+/R+	RESET OBJECT MARKER			DELINEATOR	REMARKS
			OM2-1V (TYPE L)	OM2-2V (TYPE L)	OM-3R	GUARD RAILING	
			EA				
WESTHAVEN DRIVE UC	"A" 636+39 TO "A" 649+05	L+				6	DELINEATOR SPACING = 300'
	"A" 648+27	R+	1	1	1		WESTHAVEN DRIVE UC: LEADING END - NORTHBOUND
	"A" 648+92	R+				2	WESTHAVEN DRIVE UC: TRAILING END - NORTHBOUND
	"A" 650+38	L+			1		WESTHAVEN DRIVE UC: LEADING END - SOUTHBOUND
	"A" 650+38 TO "B" 664+17	L+				6	DELINEATOR SPACING = 300'
SIXTH ST OC	"B" 663+88	R+	1				SIXTH ST OC: LEADING END - NORTHBOUND
	"B" 664+58	L+		1			SIXTH ST OC: LEADING END - SOUTHBOUND
TRINIDAD ROAD UC	"C" 788+08	R+	1				TRINIDAD Rd UC: LEADING END - NORTHBOUND
	"C" 789+80 TO "C" 792+34	L+				2	TRINIDAD Rd UC: LEADING END - SOUTHBOUND
SUBTOTAL			3	2	2		
TOTAL			7			16	

METAL BEAM GUARD RAILING

STRUCTURE LOCATION	STATION	REMOVE MBGR	TREATED WOOD WASTE	RECONSTRUCT MBGR (WOOD POST)	ADJUST MBGR	MBGR (WOOD POST)	MBGR SLOPE RETAINING WALL	REMOVE WEED MAT (N)	TRANSITION RAILING (TYPE WB)	VEGETATION CONTROL (MINOR CONCRETE)	TERMINAL SYSTEMS			REMARKS
											TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	ALTERNATIVE IN-LINE TERMINAL SYSTEM	ALTERNATIVE FLARED TERMINAL SYSTEM	
		LF	LB			LF			EA	SQYD		EA		
WESTHAVEN DRIVE UC	"A" 636+39.1 TO 636+45.1	L+								3.1	1		SOUTHBOUND: TRAILING END	
	"A" 636+45.1 TO 648+70.1	L+			1225					634.6				
	"A" 648+70.1 TO 648+95.1	L+			25					13.0			SOUTHBOUND: TRAILING END	
	"A" 647+46.4 TO 647+96.4	R+								22.8		1	NORTHBOUND: LEADING END	
	"A" 647+96.4 TO 648+71.4	R+					75	37.5						
	"A" 648+46.4 TO 648+96.4	R+	50	780					1	15.3			NORTHBOUND: LEADING END	
	"A" 650+49.7 TO 650+99.7	R+	50	780			25			43.0		1	NORTHBOUND: TRAILING END	
	"A" 650+50.3 TO 650+81.8	L+	31.5	250					1	15.3			SOUTHBOUND: LEADING END	
SIXTH ST OC	"A" 650+81.8 TO 664+19.3	L+			1337.5			1337.5		692.9			SOUTHBOUND: LEADING END	
	"B" 664+16.9 TO 665+41.9	L+	125	1330										
	"B" 663+52.5 TO 664+77.5	R+	125	1330										
TRINIDAD ROAD UC	"C" 787+60.0 TO 788+10.0	R+	50	780					1	34.7		1	NORTHBOUND: LEADING END	
	"C" 789+76.0 TO 790+07.5	L+	31.5	250					1	15.3			SOUTHBOUND: LEADING END	
	"C" 790+07.5 TO 792+57.5	L+				250				129.5			SOUTHBOUND: LEADING END	
	"C" 792+57.5 TO 792+95.0	L+								30.0			SOUTHBOUND: LEADING END	
		463	5500	25	2812.5	100	37.5	1337.5	4	1649.5	1	2	2	

SUMMARY OF QUANTITIES Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 L.R. ASHLEY
 FUNCTIONAL SUPERVISOR
 BREND A HARWELL
 TOM PHILLIPS
 REVISOR BY DATE
 REVISOR BY DATE
 CALCULATED/DESIGNED BY
 CHECKED BY
 USERNAME => s124496
 DGN FILE => 0100020153pa002.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE IS IN INCHES
 UNIT 0313
 PROJECT NUMBER & PHASE 01000201531

LAST REVISION DATE PLOTTED => 29-APR-2013
 02-21-12 TIME PLOTTED => 10:11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: L.R. ASHLEY
 CALCULATED/DESIGNED BY: BRENDA HARWELL
 CHECKED BY: TOM PHILLIPS
 REVISIONS: REVISED BY: BRENDA HARWELL, DATE: 12-5-12
 REVISED BY: TOM PHILLIPS, DATE: 4-29-13
 USERNAME => s124496
 DGN FILE => 0100020153pa003.dgn
 BORDER LAST REVISED 7/2/2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	26	90

REGISTERED CIVIL ENGINEER: *Brenda Harwell*
 DATE: 12-5-12
 PLANS APPROVAL DATE: 4-29-13

REGISTERED PROFESSIONAL ENGINEER
 BRENDA HARWELL
 No. 64471
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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HMA DIKE QUANTITIES

STRUCTURE LOCATION	STATION	SIDE	REMOVE AC DIKE	PLACE HMA DIKE (TYPE F)	PLACE HMA DIKE (TYPE C)
			LF		
WESTHAVEN DRIVE UC	"A" 647+75 TO 649+00	R+	142		
	"A" 647+04.9 TO 648+42.4	R+		62.5	75
	"A" 650+38 TO 651+00	R+	88		
	"A" 650+49.7 TO 651+37.2	R+		25	62.5
	"A" 650+60 TO 651+10	L+	50	50	
SIXTH St OC	"B" 664+17 TO 665+50	L+	133		
TRINIDAD ROAD UC	"C" 787+20 TO 788+00	R+	80		
	"C" 787+26 TO 788+13.5	R+		25	62.5
TOTAL			493	162.5	200

TEMPORARY WATER POLLUTION CONTROL AND TEMPORARY EROSION CONTROL

STRUCTURE LOCATION	STATION	SIDE	Temp FIBER ROLL	Temp GRAVEL BAG BERM	Temp COVER	Temp CHECK DAM	Temp DRAINAGE INLET PROTECTION	REMARKS
			LF			SQYD	LF	
WESTHAVEN DRIVE UC	"A" 647+30 TO 648+80	R+		150				REMOVE AC DIKE
	"A" 648+20	R+	30				1	8" OVERSIDE DRAIN
	"A" 648+27 TO 648+65	R+	38		22			MBGR SLOPE RETAINING WALL
	"A" 648+95	R+	10					Conc TRANSITION RAIL
	"A" 650+50	R+	30				1	8" OVERSIDE DRAIN
	"A" 650+50 TO 651+40	R+		90				REMOVE AC DIKE
	"A" 650+50	L+	10					Conc TRANSITION RAIL
	"A" 650+60 TO 651+10	L+		50				REMOVE AC DIKE
	"A" 650+50 TO 664+00	L+				270		EVERY 20' (4' WIDE)
	"W" 102+15	R+					1	8" OVERSIDE DRAIN (UNDER STRUCTURE)
"W" 101+70 TO 102+30	R+/L+		120				SHEAR WALL FOOTINGS	
SIXTH St OC	"B" 663+55 TO 664+80	L+		125	70			Conc BARRIER RAIL
	"B" 664+15 TO 665+30	R+		115	63			Conc BARRIER RAIL
TRINIDAD ROAD UC	"C" 787+20 TO 788+00	R+		80				REMOVE AC DIKE
	"C" 788+00	R+				1		DRAINAGE INLET
	"C" 788+08	R+	10					Conc TRANSITION RAIL
	"C" 789+76	L+	10					Conc TRANSITION RAIL
	"T" 100+73	L+					1	DRAINAGE INLET
	"T" 100+80	R+					1	DRAINAGE INLET
	"T" 101+20	R+					1	DRAINAGE INLET
"T" 101+56 TO 102+64	R+/L+		216				SHEAR WALL FOOTINGS	
TOTAL			474	610	155	270	7	

SUMMARY OF QUANTITIES Q-3

LAST REVISION: DATE PLOTTED => 29-APR-2013 | TIME PLOTTED => 10:11

V:\ProjectPlans\PSE\Working\01-459701-0100020153\0002.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL
 FUNCTIONAL SUPERVISOR TROY ARSENEAU
 CALCULATED/DESIGNED BY
 CHECKED BY
 BRIAN FINCK
 WILLIAM BARTLEY
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	28	90

Brian T. Finck 04-03-13
 REGISTERED ELECT ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

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

LIGHTING

SHEET No.	LIGHTING STANDARD (TYPE 15) (N)	PULL BOXES (No. 5) (N)	CONDUIT (TYPE 3) (N)	#8 AWG WIRE (N)	#10 GND (N)
	EA	EA	LF	LF	LF
E-1	2	3	300'	600'	300'
TOTAL	2	3	300'	600'	300'

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

ELECTRICAL QUANTITIES
E-2

LAST REVISION DATE PLOTTED => 29-APR-2013
 00-00-00 TIME PLOTTED => 16:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	29	90

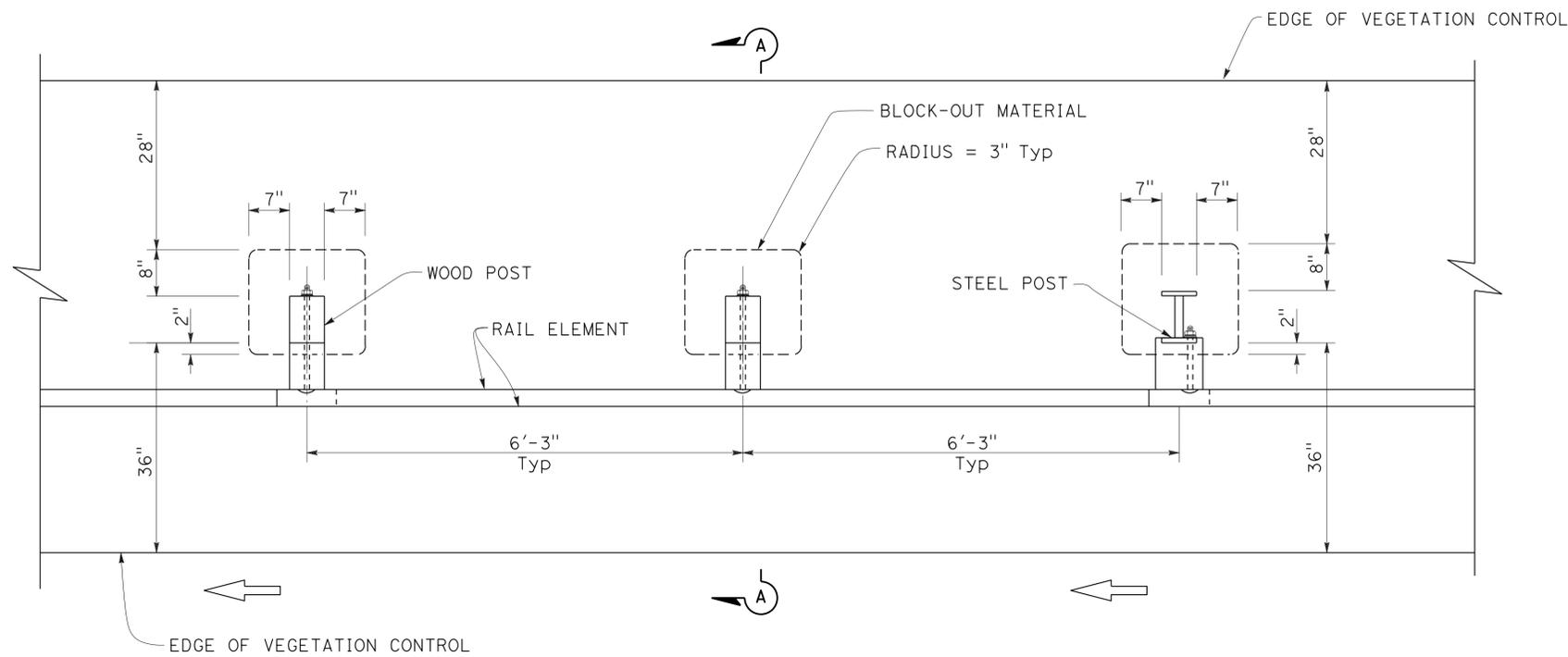
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

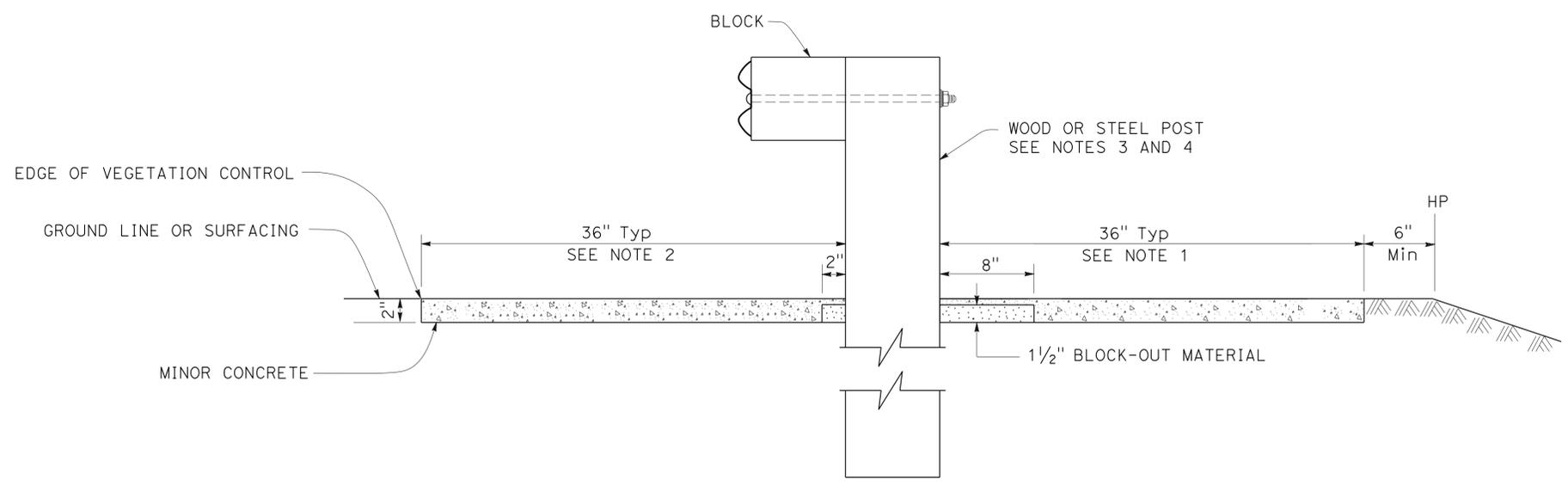
TO ACCOMPANY PLANS DATED 4-29-13



PLAN

NOTES:

1. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
2. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.
3. For wood post sizes, see Standard Plan A77C1.
4. For steel post sizes, see Standard Plan A77C2.
5. For details not shown, see Standard Plans A77A1 and A77A2.



SECTION A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
STANDARD RAILING SECTION**

NO SCALE

RSP A77C5 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C5
DATED MAY 20, 2011 - PAGE 53 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C5

2010 REVISED STANDARD PLAN RSP A77C5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	30	90

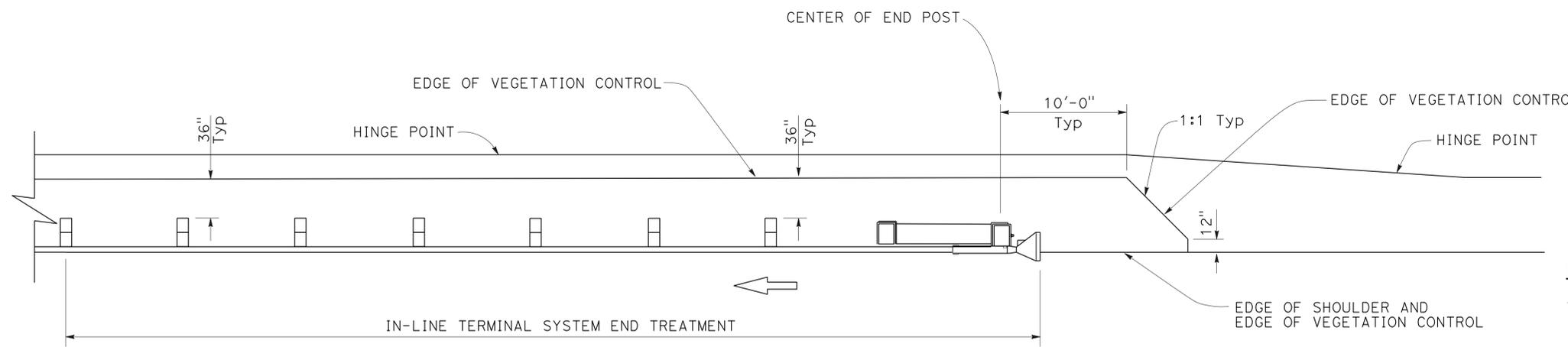
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

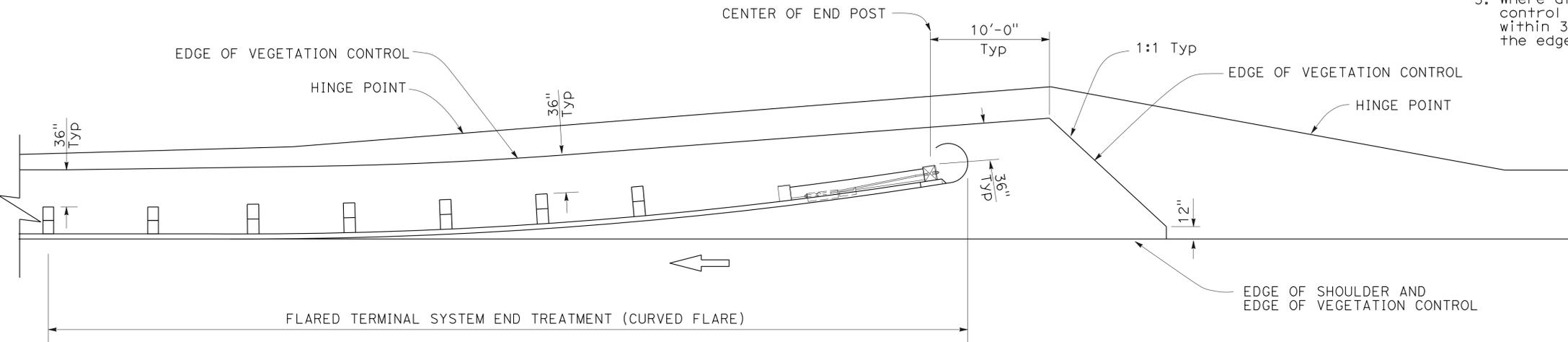
TO ACCOMPANY PLANS DATED 4-29-13



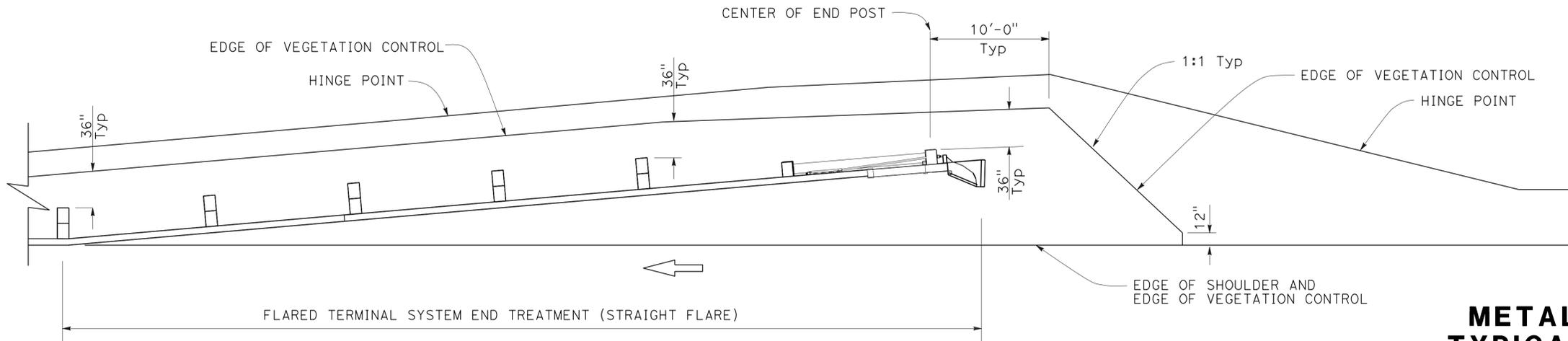
PLAN

NOTES:

1. See Revised Standard Plan RSP A77C5 for additional vegetation control details.
2. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
3. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.



PLAN



PLAN

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
FOR TERMINAL SYSTEM END TREATMENTS**

NO SCALE
RSP A77C6 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C6
DATED MAY 20, 2011 - PAGE 54 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C6

2010 REVISED STANDARD PLAN RSP A77C6

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	31	90

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

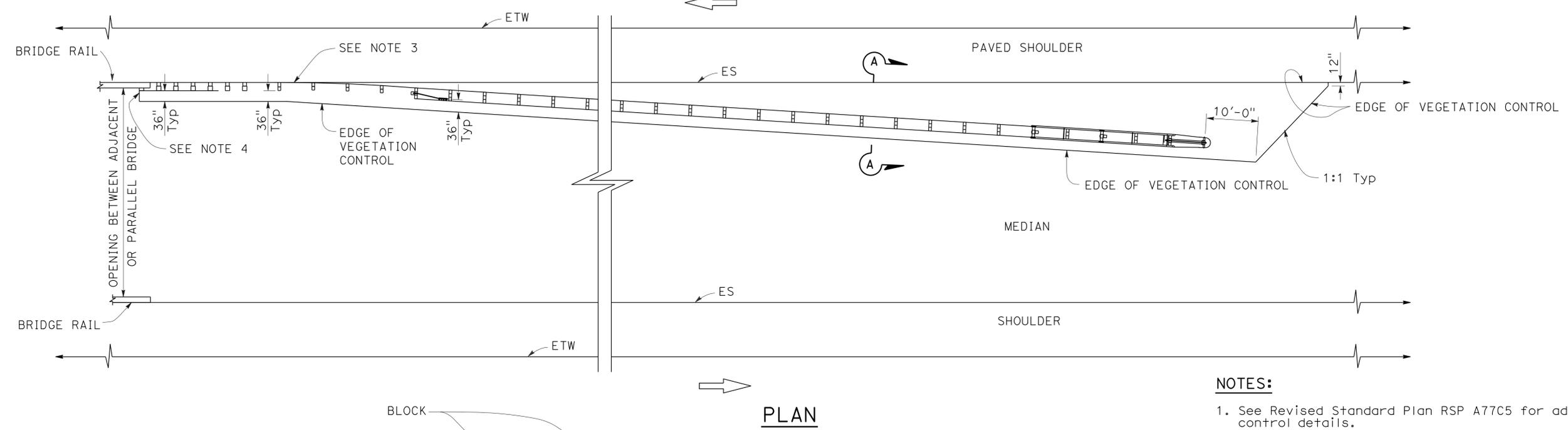
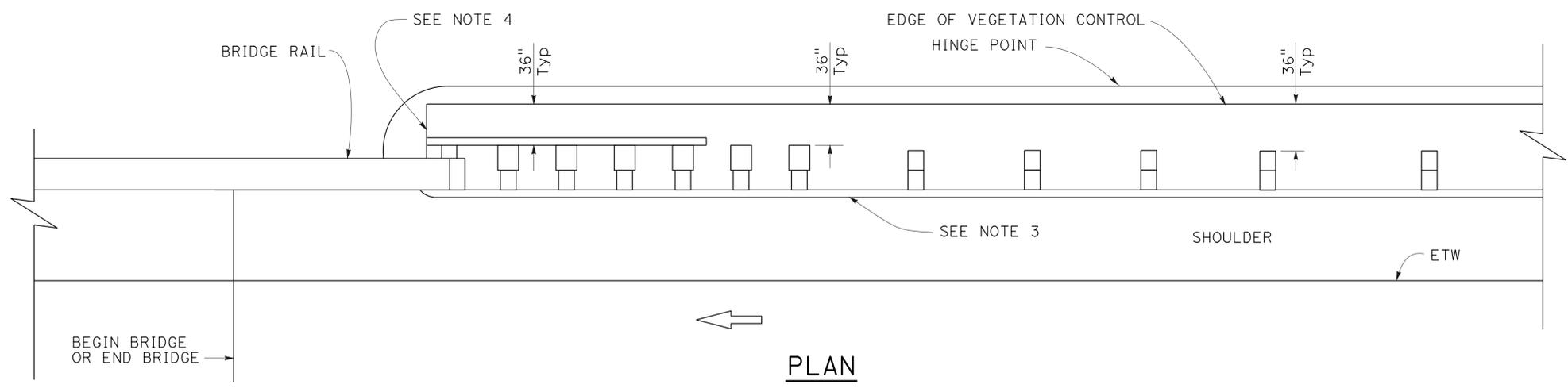
October 19, 2012
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

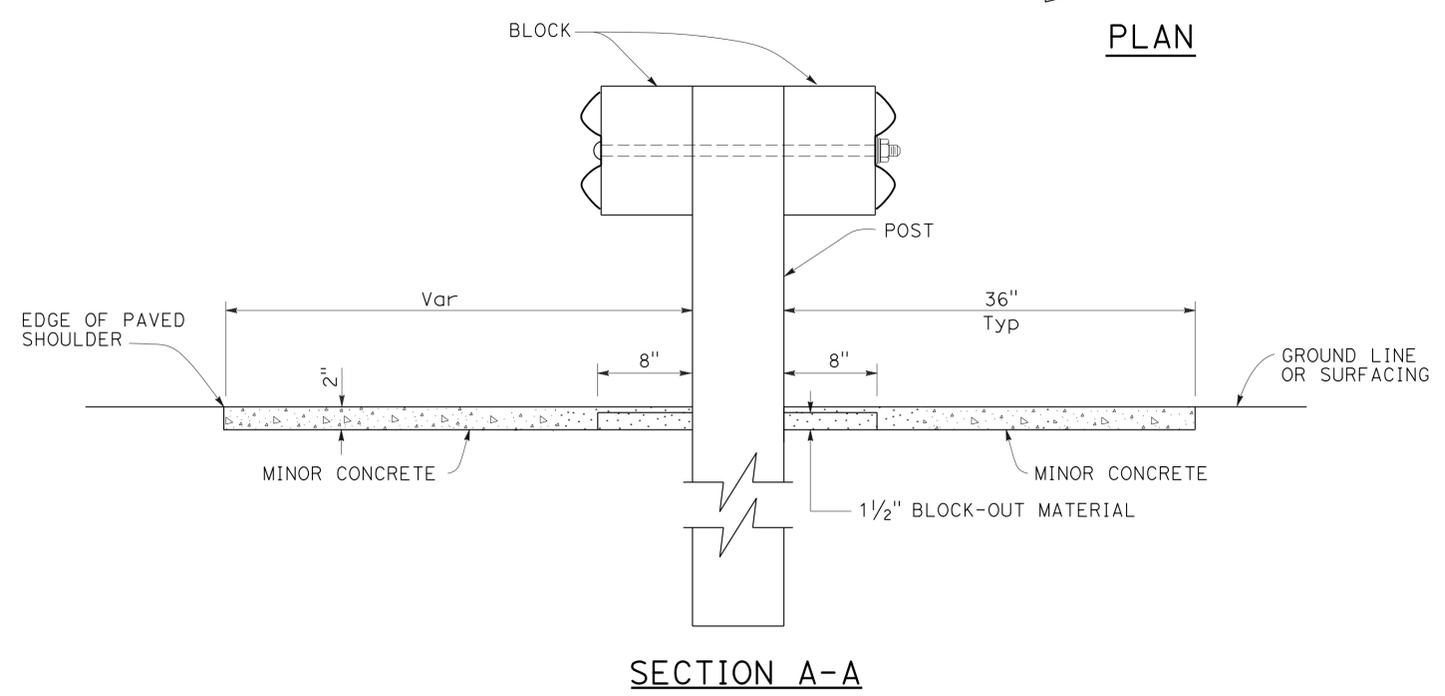
TO ACCOMPANY PLANS DATED 4-29-13

2010 REVISED STANDARD PLAN RSP A77C7



NOTES:

1. See Revised Standard Plan RSP A77C5 for additional vegetation control details.
2. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
3. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.
4. End vegetation control at end of backside rail element.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

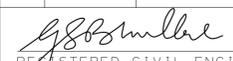
**METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
AT STRUCTURE APPROACH**

NO SCALE

RSP A77C7 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C7
DATED MAY 20, 2011 - PAGE 55 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	33	90


 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE



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TO ACCOMPANY PLANS DATED 4-29-13

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = WS^2/60$
 For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
 W = Width of offset in feet
 S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T9 DATED APRIL 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

2010 REVISED STANDARD PLAN RSP T9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	34	90

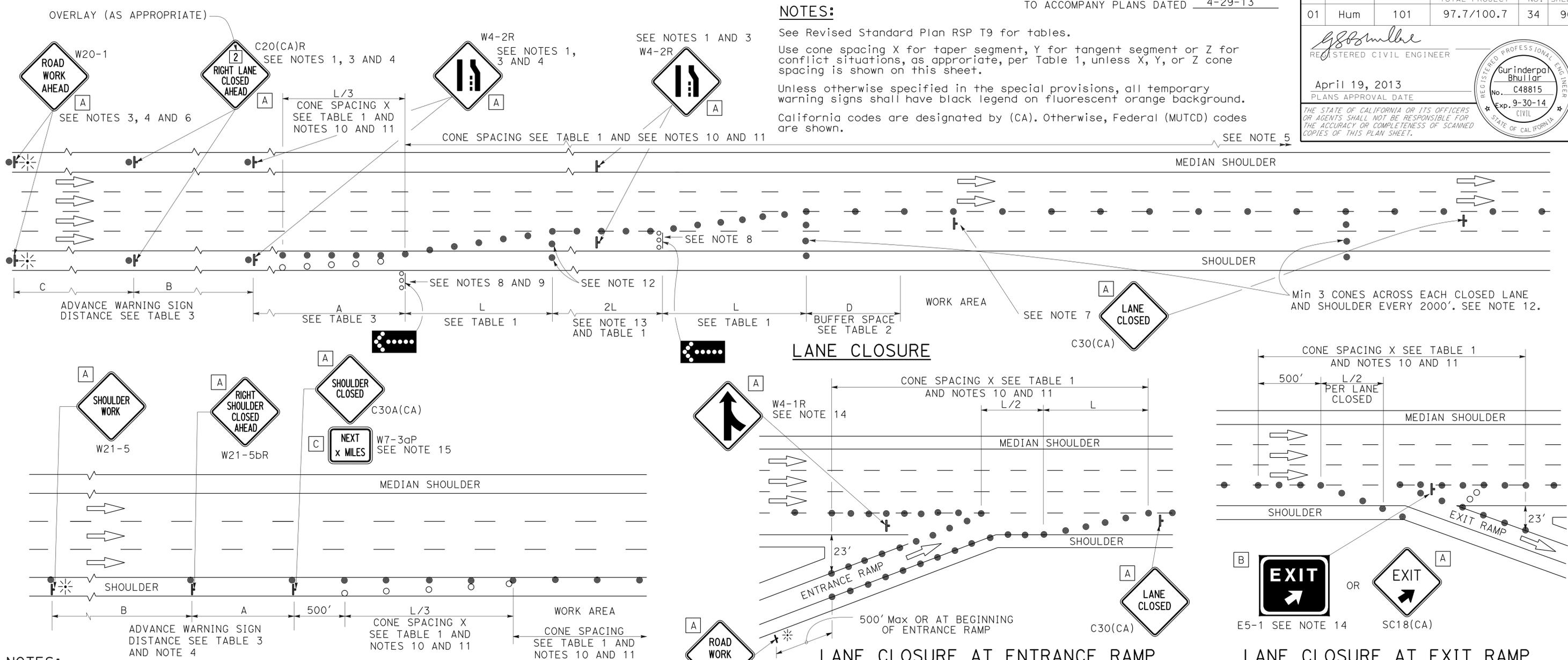
REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 4-29-13

NOTES:

See Revised Standard Plan RSP T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
 - a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA)L and W4-2L signs shall be used.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

LANE CLOSURE AT ENTRANCE RAMP

12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- ⚡ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 72" x 60"
- C 36" x 30"

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	35	90

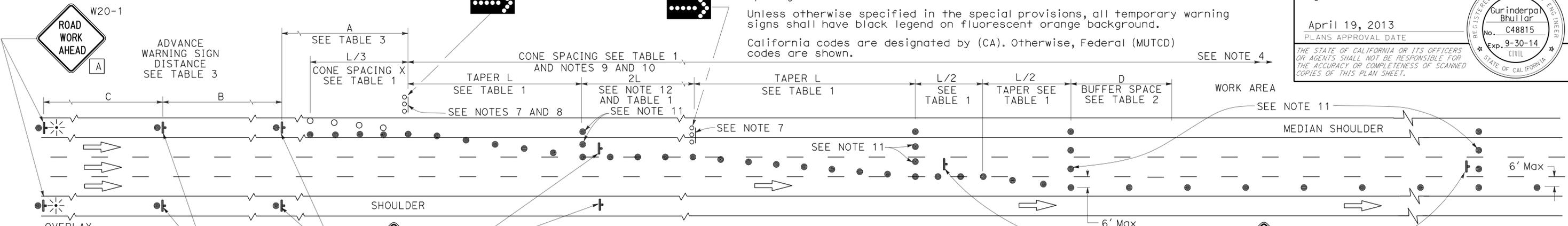
REGISTERED CIVIL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

April 19, 2013
 PLANS APPROVAL DATE

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

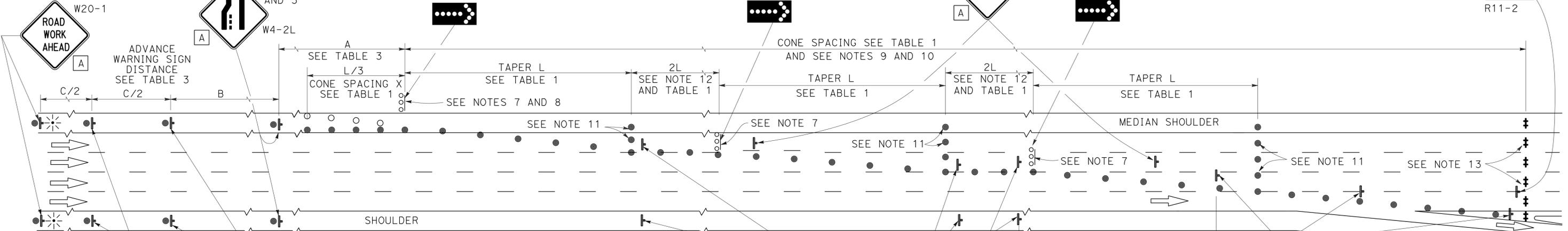
NOTES: See Revised Standard Plan RSP T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

SEE NOTES 3 AND 5



LANE CLOSURE WITH PARTIAL SHOULDER USE

SEE NOTES 3 AND 5



COMPLETE CLOSURE

NOTES:

- Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
- Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT ___ MILES", use a C20(CA) sign for the first advance warning sign.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
- A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 18"
- C 48" x 30"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- ⚡ PORTABLE FLASHING BEACON

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURES ON
 FREEWAYS AND EXPRESSWAYS**
 NO SCALE

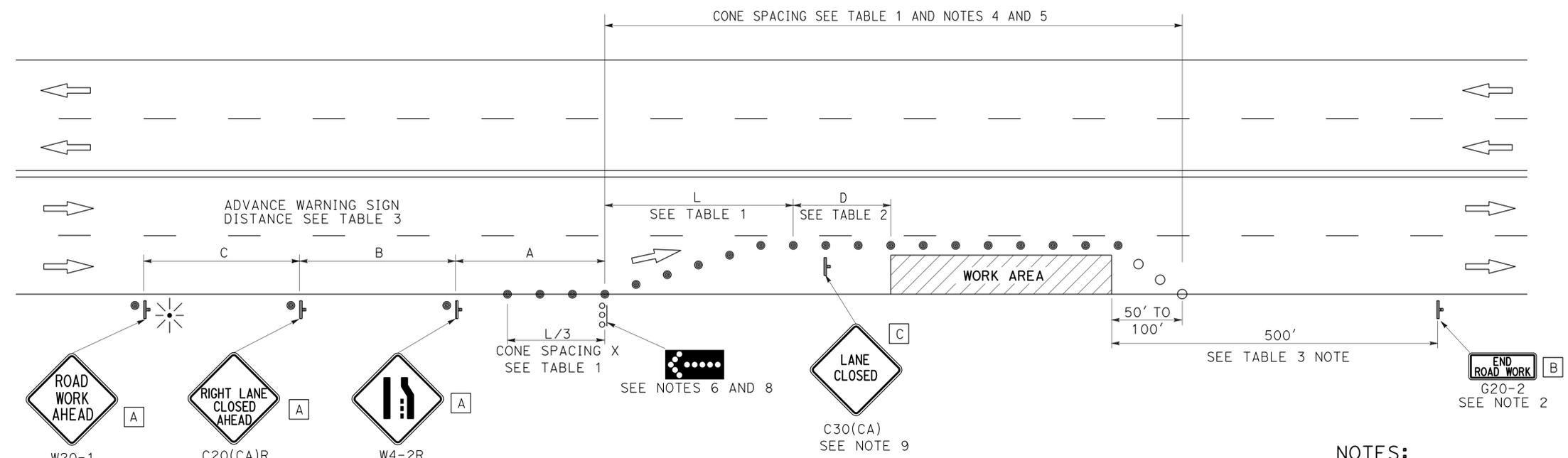
RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10A

2010 REVISED STANDARD PLAN RSP T10A



TO ACCOMPANY PLANS DATED 4-29-13



TYPICAL LANE CLOSURE

NOTES:

See Revised Standard Plan RSP T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

- Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II.
- For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ⌋ TEMPORARY TRAFFIC CONTROL SIGN
- ⬢ FLASHING ARROW SIGN (FAS)
- ⬢ FAS SUPPORT OR TRAILER
- ☀ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 MULTILANE CONVENTIONAL
 HIGHWAYS**

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

2010 REVISED STANDARD PLAN RSP T11

NOTES:

See Revised Standard Plan RSP T9 for tables.

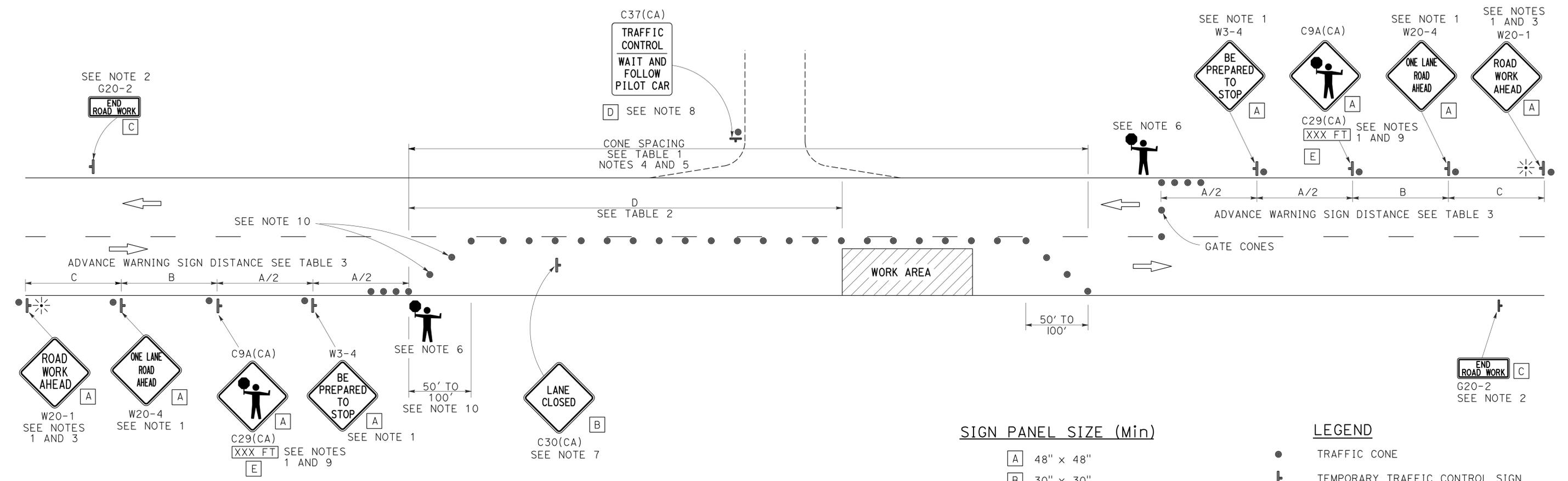
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED 4-29-13



NOTES:

- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
TWO LANE CONVENTIONAL
HIGHWAYS**

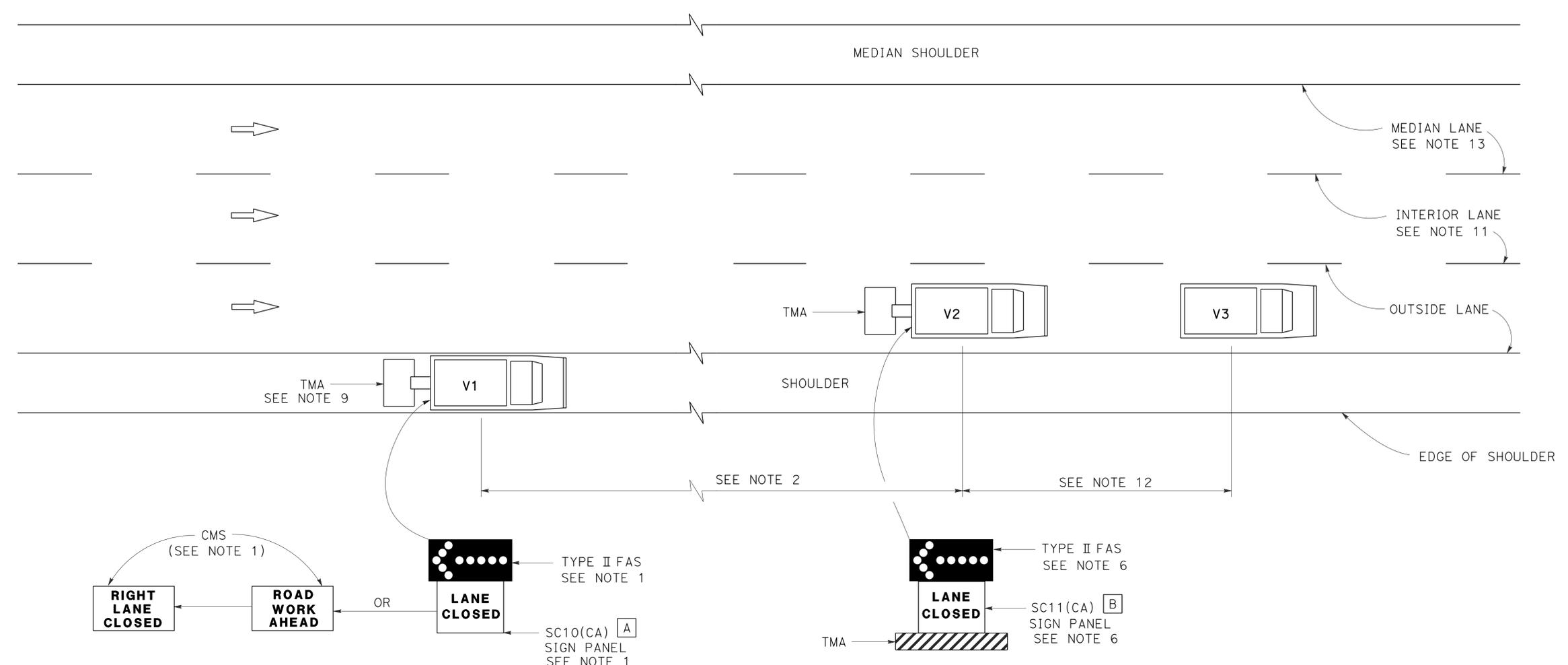
NO SCALE

RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13
DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

2010 REVISED STANDARD PLAN RSP T13

TO ACCOMPANY PLANS DATED 4-29-13



SIGN PANEL SIZE (Min)

- A 66" x 36"
- B 54" x 42"

LEGEND

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- FLASHING ARROW SIGN (FAS)
- CMS CHANGEABLE MESSAGE SIGN
- TMA TRUCK-MOUNTED ATTENUATOR

MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

NOTES:

1. Either a changeable message sign or a SC10(CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "RIGHT LANE CLOSED" message. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right and the changeable message sign shall show "LEFT LANE CLOSED".
2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.
5. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
6. Shadow vehicle V2 shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.
10. Where workers would be on foot in the work area, a stationary type lane closure (Revised Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
11. For moving lane closure on interior lane of multilane highways, use Revised Standard Plan T16.
12. The spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.
13. When the work/application vehicle V3 occupies the median lane, sign vehicle V1 should drive in the median shoulder and indicate left lane closed ahead.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS
NO SCALE

RSP T15 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T15 DATED MAY 20, 2011 - PAGE 243 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T15

2010 REVISED STANDARD PLAN RSP T15

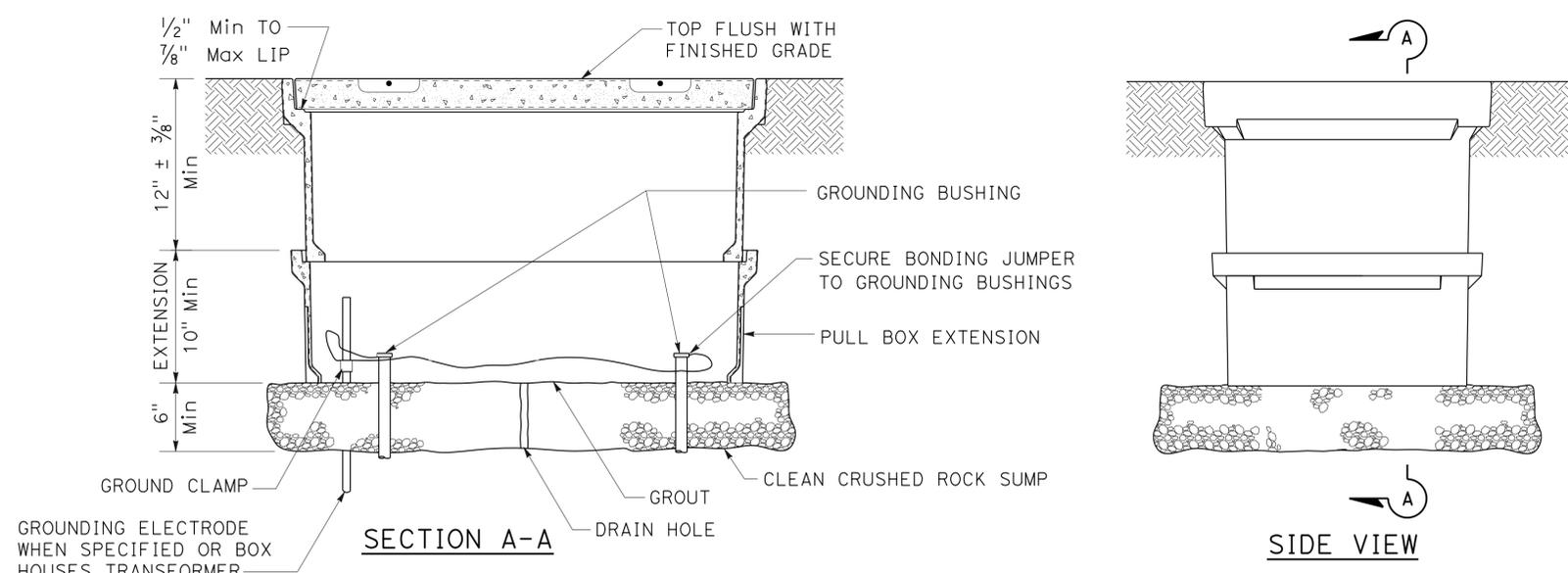
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	101	97.7/100.7	39	90

Jeffrey G. McRae
 REGISTERED ELECTRICAL ENGINEER
 No. E14512
 Exp. 6-30-12
 ELECTRICAL
 STATE OF CALIFORNIA

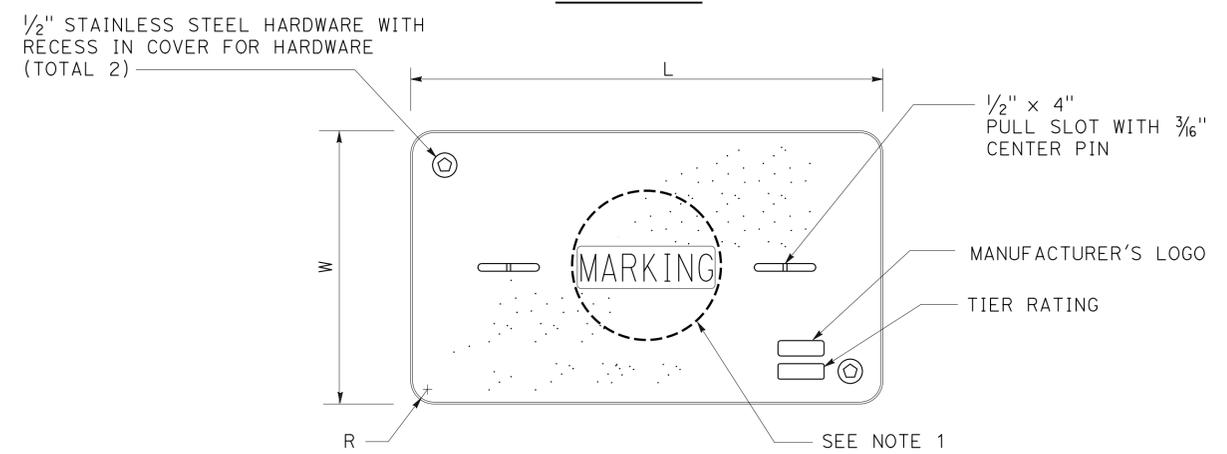
January 20, 2012
 PLANS APPROVAL DATE

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

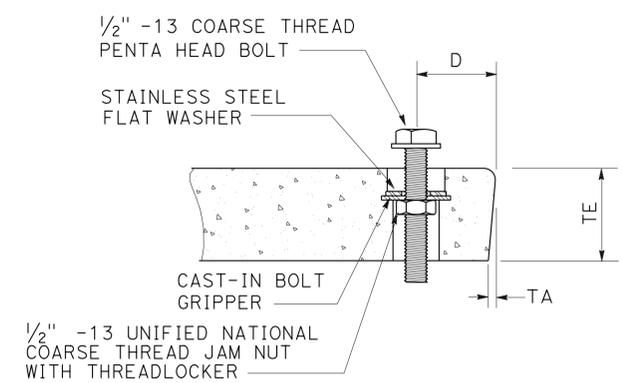
TO ACCOMPANY PLANS DATED 4-29-13



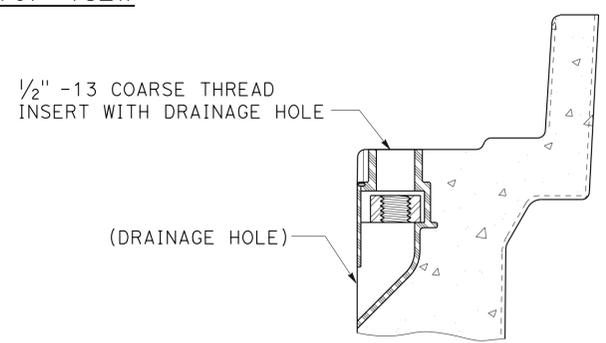
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

NOTES ON PULL BOXES:

1. Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - A) No. 3/2 pull box.
 - 1) "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - 2) "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - B) No. 5, 6, 9 or 9A pull box.
 - 1) "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - 2) "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - 3) "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - 4) "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - 5) "RAMP METER" - Ramp meter circuits.
 - 6) "COUNT STATION" - Count or speed monitor circuits.
 - 7) "COMMUNICATIONS" - Communication circuits.
 - 8) "TOS COMMUNICATIONS" - TOS communication line.
 - 9) "TOS POWER" - TOS power.
 - 10) "TDC POWER" - Telephone demarcation cabinet power.
 - 11) "CCTV" - Closed circuit television circuits.
 - 12) "TMS" - Traffic monitoring station circuits.
 - 13) "CMS" - Changeable message sign circuits.
 - 14) "HAR" - Highway advisory radio circuits.
2. The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus 1/8" or greater.
3. Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within 1/8". Top outside radius of covers and pull boxes must have a 1/8" radius.
4. Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(PULL BOX)
 NO SCALE

RSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

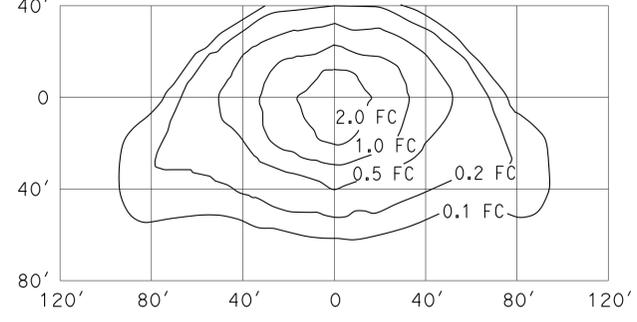
2010 REVISED STANDARD PLAN RSP ES-8A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	40	90

Jeffrey B. McRae
 REGISTERED ELECTRICAL ENGINEER
 July 20, 2012
 PLANS APPROVAL DATE
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TO ACCOMPANY PLANS DATED 4-29-13

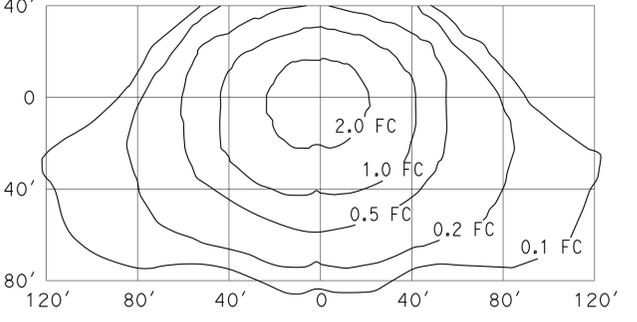
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
 34' Mounting Height
 Lamp operated at 22,000 lm
 200-W high pressure sodium lamp
 ANSI Designation S66

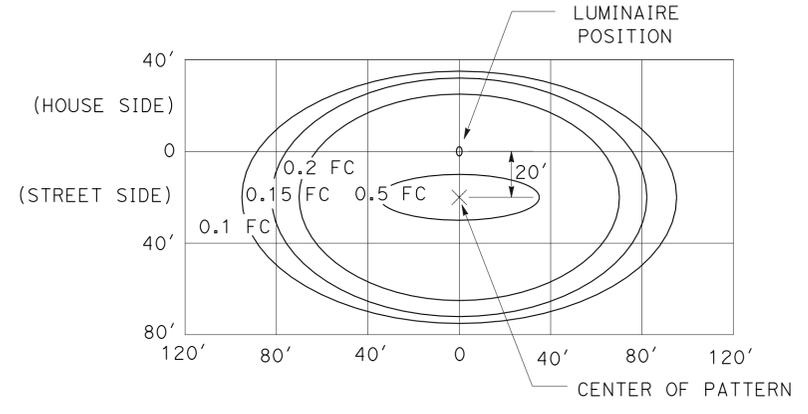
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
 40' Mounting Height
 Lamp operated at 37,000 lm
 310-W high pressure sodium lamp
 ANSI Designation S67

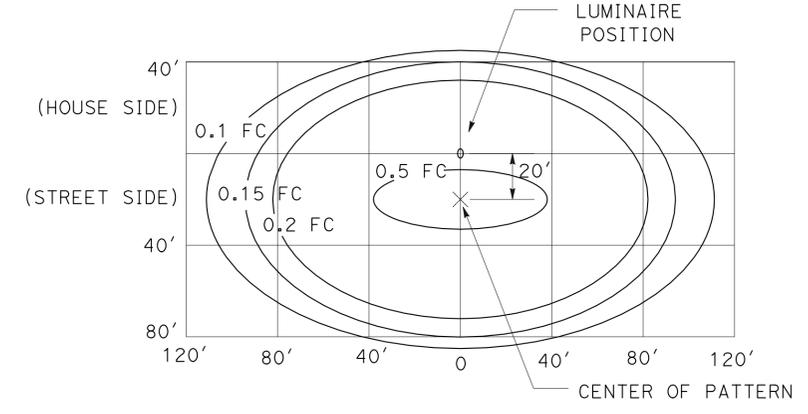
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 1

200-W HPS Equivalent at 34' Mounting Height

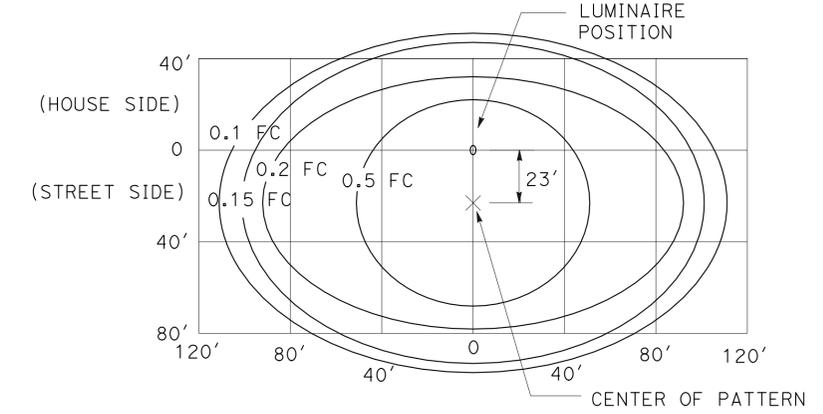
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 2

310-W HPS Equivalent at 40' Mounting Height

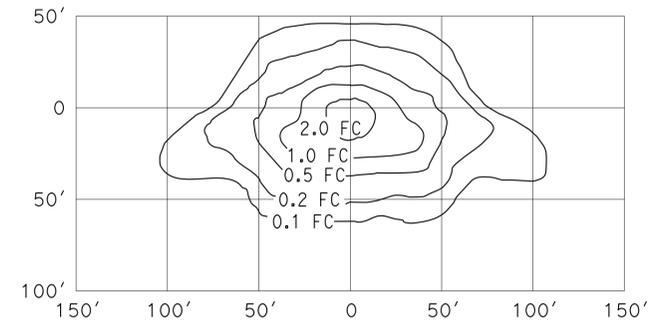
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 4

400-W HPS Equivalent at 40' Mounting Height

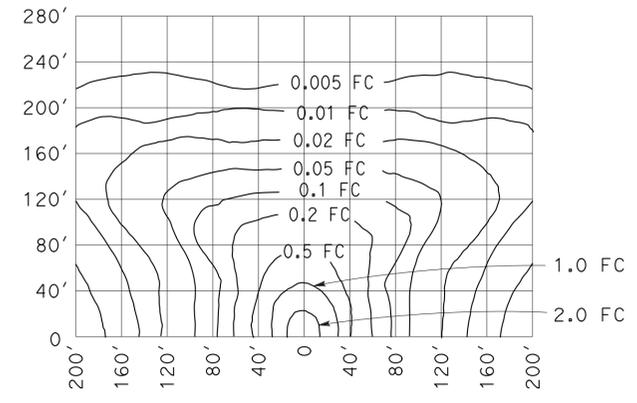
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
 30' Mounting Height
 Lamp operated at 16,000 lm
 150-W high pressure sodium lamp
 ANSI Designation S55

ISOFOOTCANDLE CURVE - MINIMUM



LOW PRESSURE SODIUM LUMINAIRE

40' Mounting Height
 Lamp operated at 33,000 lm
 180-W low pressure sodium lamp

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
 (ISOFOOTCANDLE DIAGRAMS)**

NO SCALE

RSP ES-10A DATED JULY 20, 2012 SUPPLEMENTS THE
 STANDARD PLANS BOOK DATED 2010.

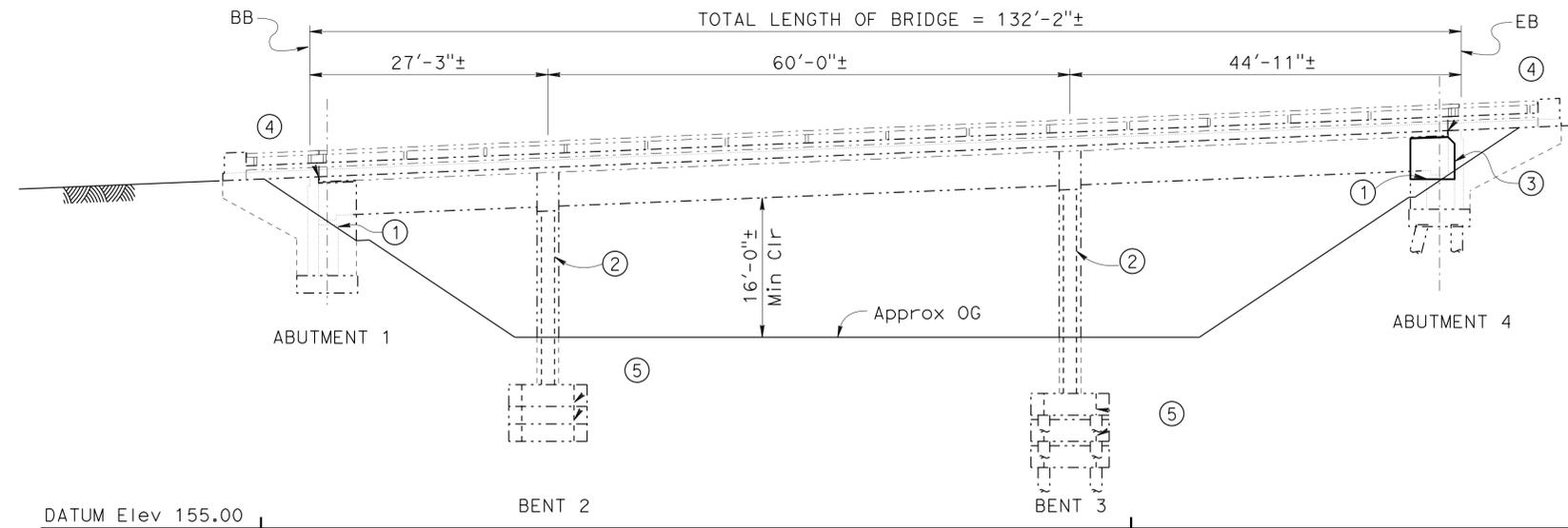
2010 REVISED STANDARD PLAN RSP ES-10A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	41	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER
 DATE 11-16-12
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

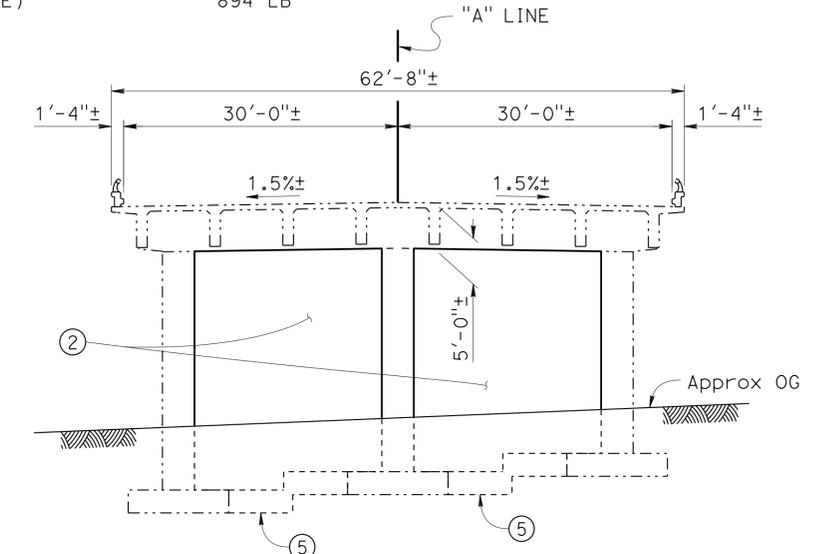
4-29-13
 PLANS APPROVAL DATE

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QUANTITIES

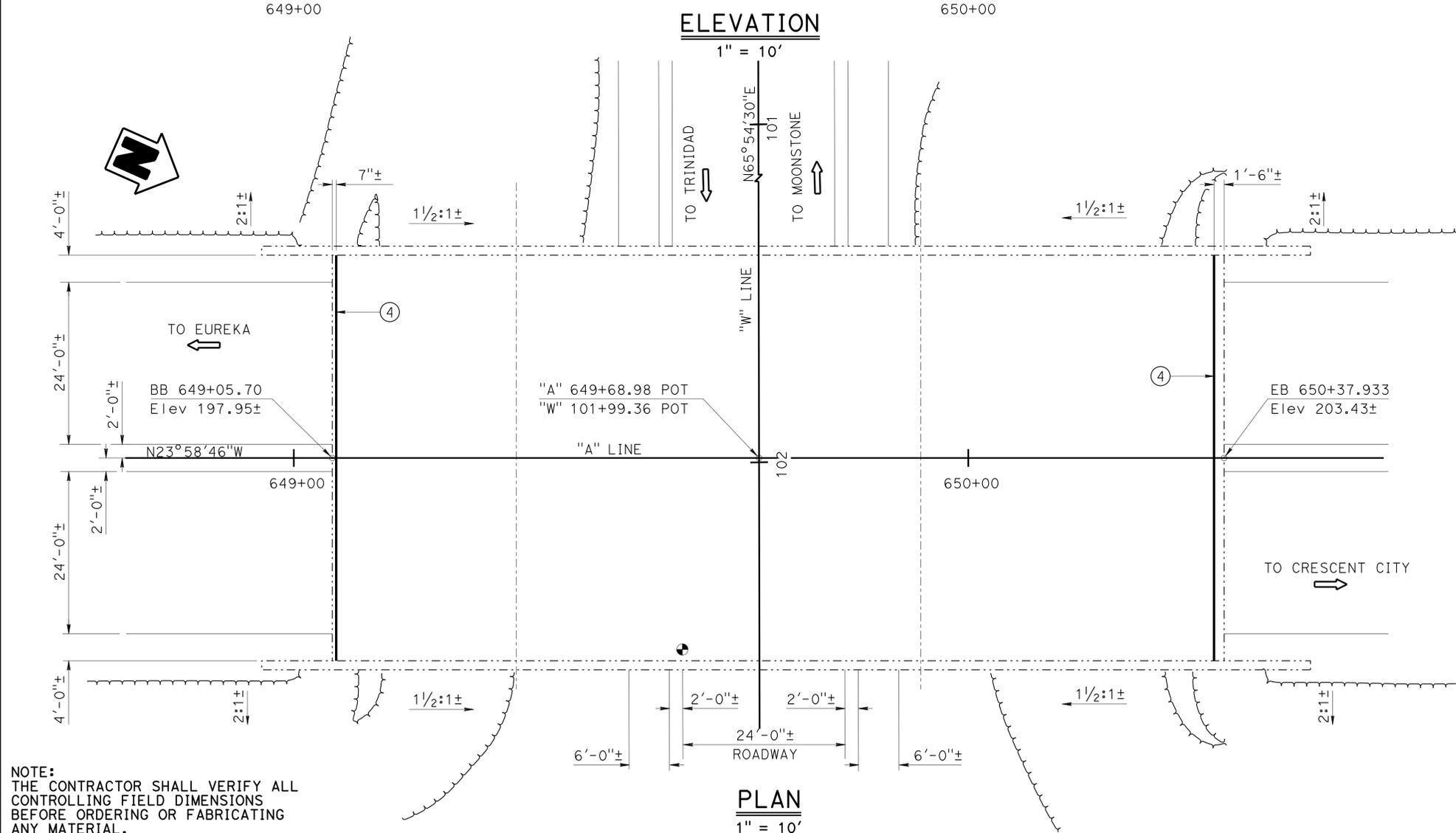
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP SUM
STRUCTURE EXCAVATION (BRIDGE)	196 CY
STRUCTURE BACKFILL (BRIDGE)	120 CY
STRUCTURAL CONCRETE, BRIDGE FOOTING	40 CY
STRUCTURAL CONCRETE, BRIDGE	124 CY
DRILL AND BOND DOWEL	595 LF
CLEAN EXPANSION JOINT	122 LF
JOINT SEAL (MR ^{1/2})	122 LF
BAR REINFORCING STEEL (BRIDGE)	25,650 LB
ABUTMENT LUMBER BLOCKING	1.9 MFBM
ANTI-GRAFFITI COATING	4,272 SQFT
MISCELLANEOUS METAL (BRIDGE)	894 LB



TYPICAL SECTION
 1" = 10'

- NOTES:**
- Catcher block
 - Infill wall between columns
 - Abutment Lumber Blocking. Remove and rebuild closure wall to facilitate placement of abutment lumber blocking
 - Joint Seal replacement
 - Infill wall footing
- For General Notes, Index To Plans and Standard Plans List, see "INDEX TO PLANS" sheet

- LEGEND:**
- Indicates existing structure
 - Indicates limits of clean expansion joint and replacement of joint seal, see "MISCELLANEOUS DETAILS" sheet for "JOINT SEAL TABLE"
 - ⊙ Minimum vertical clearance



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

DESIGN	BY P. Hong	CHECKED H. Fang	LOAD & RESISTANCE FACTOR DESIGN	CHECKED
DETAILS	BY G. M. Souza / Y. Feng	CHECKED H. Fang	LAYOUT	BY P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster	SPECIFICATIONS	BY M. Kopsa

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
DESIGN BRANCH 7

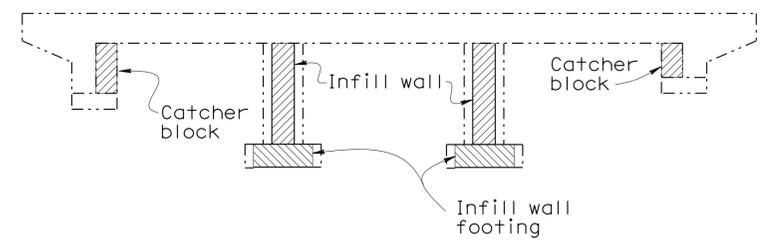
BRIDGE NO. 04-0056
 POST MILE 98.1

WESTHAVEN DRIVE UC (SEISMIC RETROFIT)
GENERAL PLAN

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	42	90

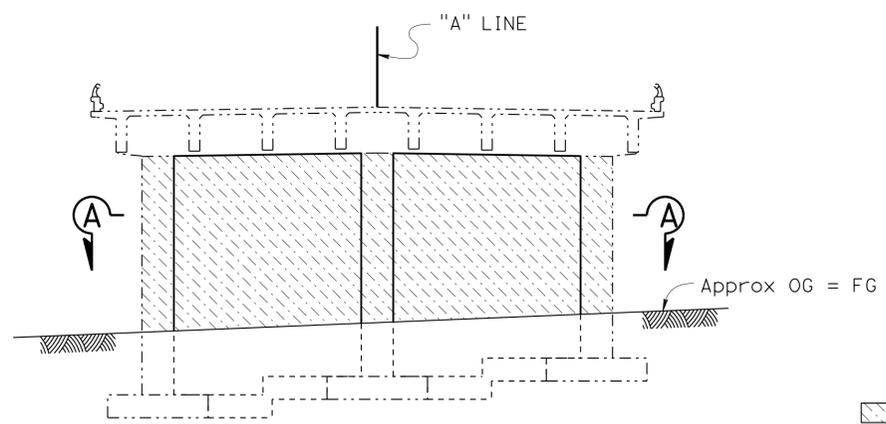
Manode Kodsuntie
 REGISTERED CIVIL ENGINEER
 DATE: 11-16-12
 PLANS APPROVAL DATE: 4-29-13
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



CONCRETE STRENGTH AND TYPE LIMITS
NO SCALE

- LEGEND:**
- Structural Concrete, Bridge (3600 psi at 28 days)
 - Structural Concrete, Bridge Footing (3600 psi at 28 days)
 - Indicates Existing Structure

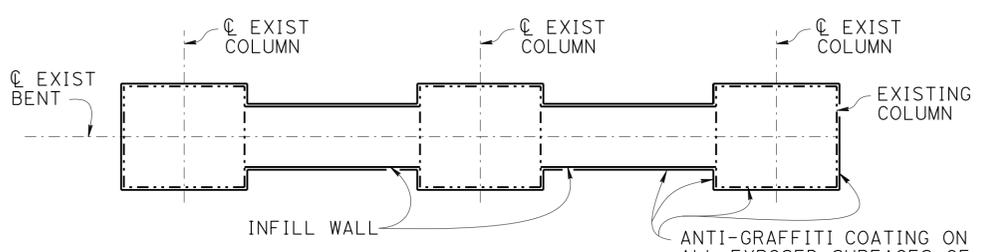


LIMITS OF ANTI-GRAFFITI COATING
TYPICAL SECTION
No Scale

Indicates anti-graffiti coating on all exposed surfaces of infill walls and existing columns

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

- DESIGN:**
AASHTO LRFD Bridge Design Specifications, 4th edition and the Caltrans Amendments preface dated December 2008.
- SEISMIC DESIGN:**
Caltrans Seismic Design Criteria (SDC), Version 1.6 dated November 2010.
- SEISMIC LOADING:**
Site specific ARS Curve (See "ARS Curve")
- | | |
|--|--|
| CONCRETE
(New construction): | Existing
(Assumed for Retrofit): |
| $f_y = 60$ ksi | $f_y = 44$ ksi |
| $f'_c = 3.6$ ksi | $f'_c = 5$ ksi |
| $n = 8$ | $n = 7$ |
- STRUCTURAL STEEL:**
 $f_y =$ ASTM A709 Grade 36
- STRUCTURAL TIMBER:**
Abutment Lumber blocking shall be pressure treated Douglas Fir No. 1
- INFILL WALL FOOTING PRESSURE:**
Factored Gross Nominal Bearing Resistance = 18 ksf (Extreme Event)



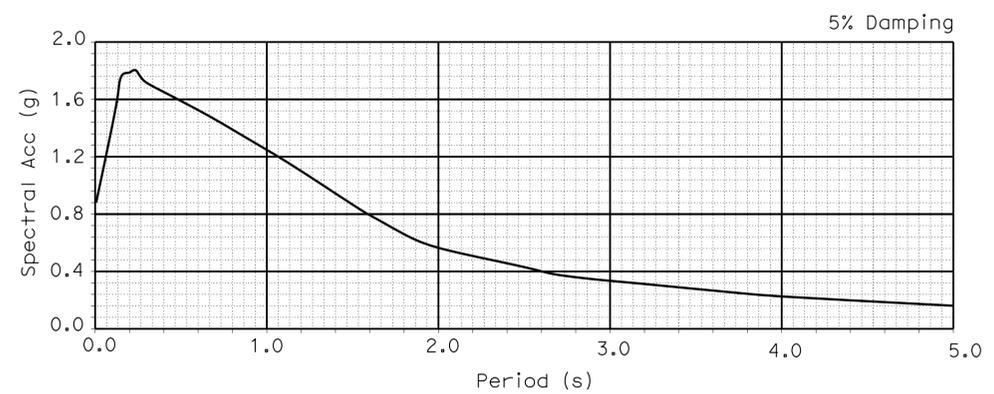
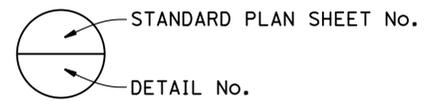
SECTION A-A
No Scale

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	INDEX TO PLANS
3	FOUNDATION PLAN
4	ABUTMENT 1 DETAILS
5	ABUTMENT 4 DETAILS NO. 1
6	ABUTMENT 4 DETAILS NO. 2
7	BENT DETAILS NO. 1
8	BENT DETAILS NO. 2
9	MISCELLANEOUS DETAILS
10	LOG OF TEST BORINGS 1 OF 2
11	LOG OF TEST BORINGS 2 OF 2

STANDARD PLANS DATED 2010

A10A	ABBREVIATIONS (SHEET 1 OF 2)
A10B	ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
B6-21	JOINT SEAL (MAXIMUM MOVEMENT RATING = 2")



ARS Curve

	DESIGN BY: G. Schuster CHECKED: P. Hong DETAILS BY: G. Dickerson CHECKED: P. Hong QUANTITIES BY: M. Kodsuntie CHECKED: G. Dickerson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0056 POST MILE 98.1	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) INDEX TO PLANS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3592 PROJECT NO. & PHASE: 0100020153 1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 9-26-12 11-16-12	SHEET 2 OF 11

FILE => 004-0056-b-1fp_detail-sheet.dgn

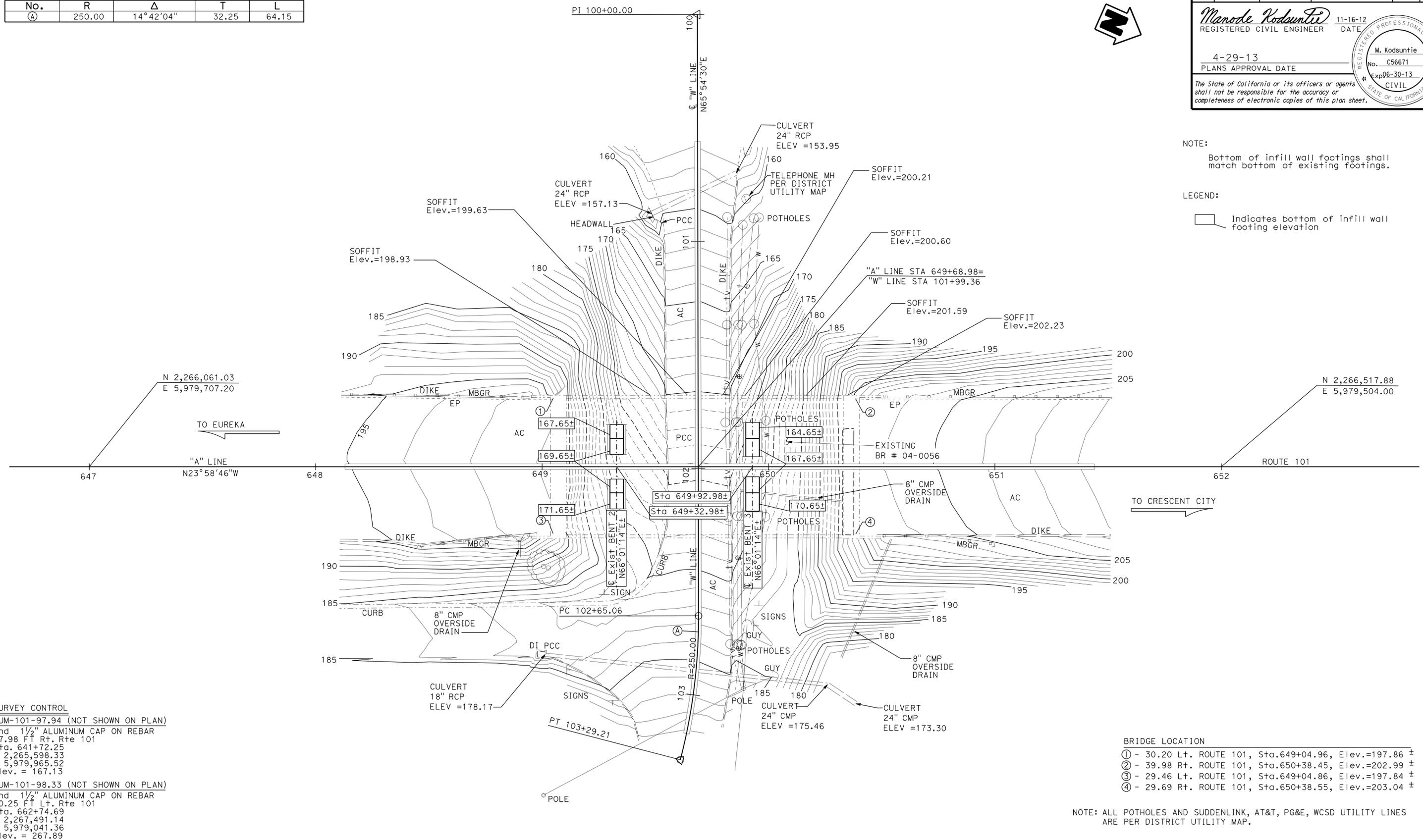
CURVE DATA

No.	R	Δ	T	L
①	250.00	14°42'04"	32.25	64.15

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	43	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER 11-16-12 DATE
 4-29-13 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp 06-30-13
 CIVIL
 STATE OF CALIFORNIA



NOTE:
 Bottom of infill wall footings shall match bottom of existing footings.

LEGEND:
 [Symbol] Indicates bottom of infill wall footing elevation

SURVEY CONTROL
 HUM-101-97.94 (NOT SHOWN ON PLAN)
 Fnd 1 1/2" ALUMINUM CAP ON REBAR
 47.98 FT Lt. Rte 101
 Sta. 641+72.25
 N 2,265,598.33
 E 5,979,965.52
 Elev. = 167.13
 HUM-101-98.33 (NOT SHOWN ON PLAN)
 Fnd 1 1/2" ALUMINUM CAP ON REBAR
 40.25 FT Lt. Rte 101
 Sta. 662+74.69
 N 2,267,491.14
 E 5,979,041.36
 Elev. = 267.89

- BRIDGE LOCATION**
- ① - 30.20 Lt. ROUTE 101, Sta.649+04.96, Elev.=197.86 ±
 - ② - 39.98 Rt. ROUTE 101, Sta.650+38.45, Elev.=202.99 ±
 - ③ - 29.46 Lt. ROUTE 101, Sta.649+04.86, Elev.=197.84 ±
 - ④ - 29.69 Rt. ROUTE 101, Sta.650+38.55, Elev.=203.04 ±

NOTE: ALL POTHOLES AND SUDDENLINK, AT&T, PG&E, WCSD UTILITY LINES ARE PER DISTRICT UTILITY MAP.

PRELIMINARY INVESTIGATION SECTION				DESIGN BY P. Hong	CHECKED H. Fang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0056	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) FOUNDATION PLAN				
SCALE VERT. DATUM NAVD88	PHOTOGRAMMETRY AS OF: X	SURVEYED BY DISTRICT/J. BORDEN	CHECKED BY J. PALLARES 01/2012	DETAILS BY Y. Feng	CHECKED H. Fang		POST MILE 98.1					
1"=20'	HORIZ. DATUM NAD83 (1991.35)	DRAFTED BY T. ZOLNIKOV 01/2012	CHECKED BY L. LEW 01/2012	QUANTITIES BY M. Kodsuntie	CHECKED G. Schuster							
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REV. 09-01-10)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3592	PROJECT NUMBER & PHASE: 0100020153 1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3	OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	44	90

Manode Kodsuntie
REGISTERED CIVIL ENGINEER 11-16-12 DATE

4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

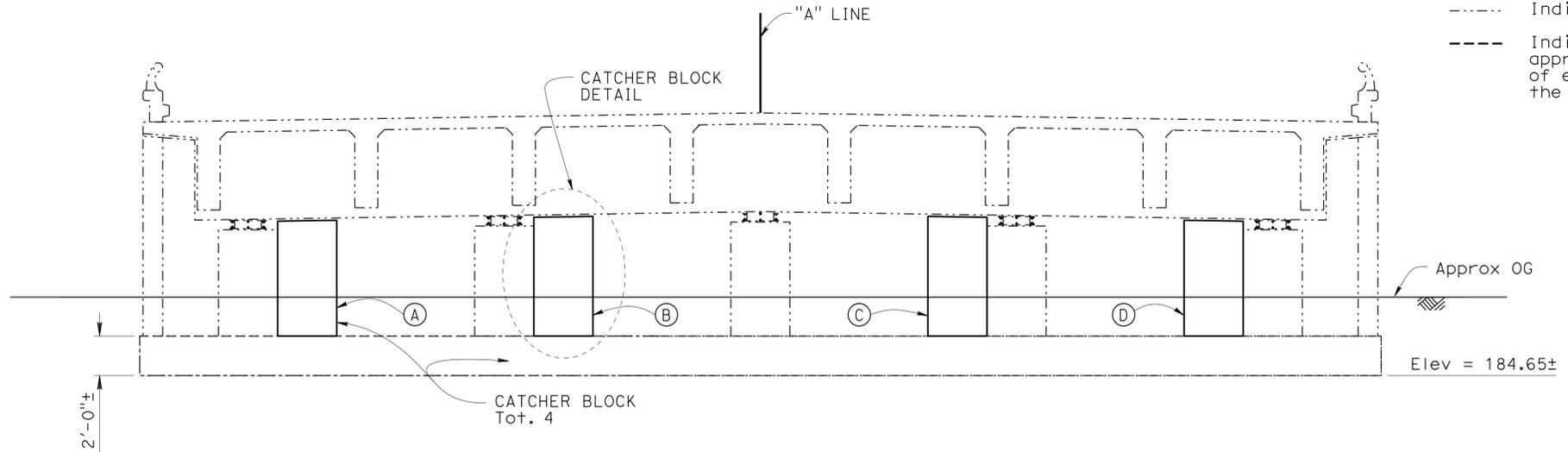
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LEGEND:

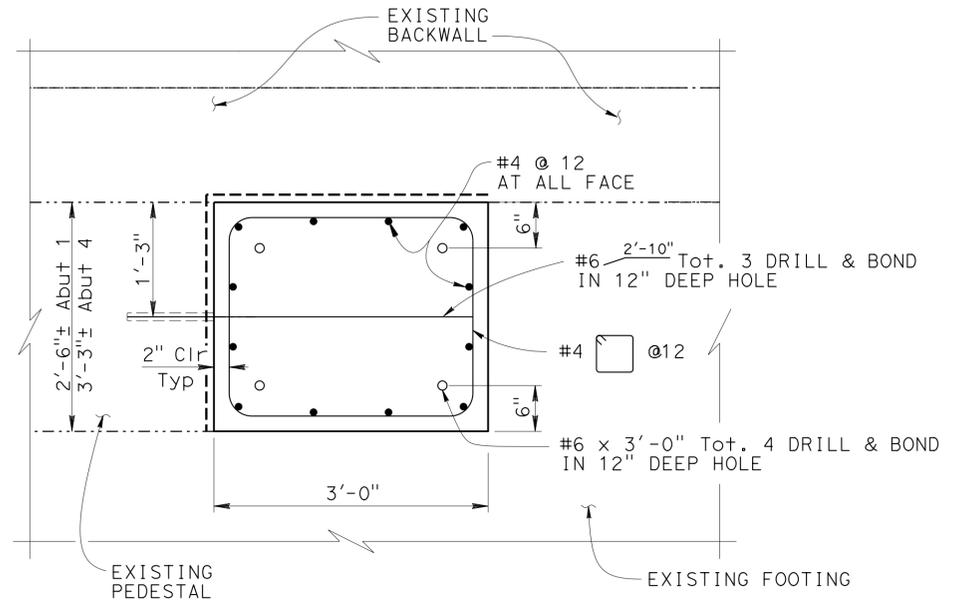
(A) = Catcher Block designation

--- Indicates existing structure

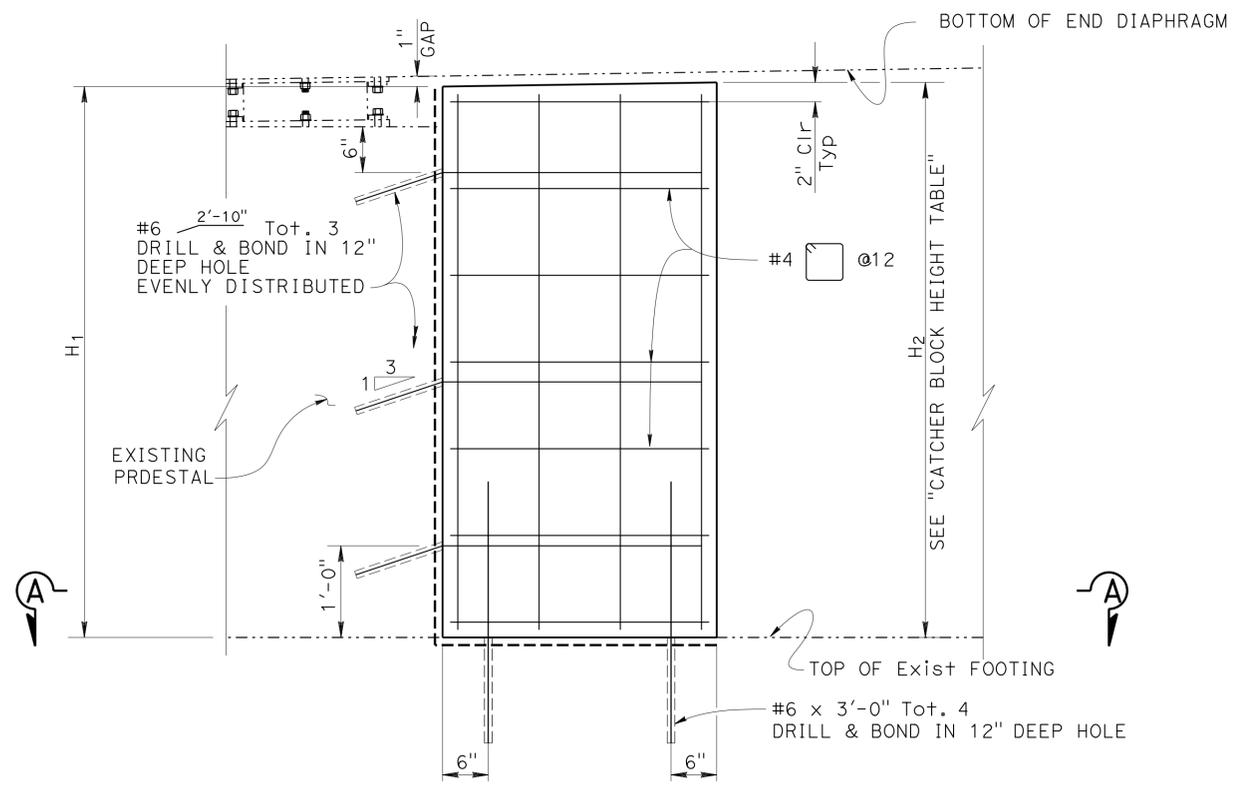
--- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with the new concrete shall be roughened



ABUTMENT 1 ELEVATION
1/4" = 1'-0"



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



CATCHER BLOCK DETAIL
1" = 1'-0"

DESIGNATION	Abut 1		DESIGNATION	Abut 4	
	H ₁ *	H ₂ *		H ₁ *	H ₂ *
(A)	5'-9 3/4"±	5'-10 1/4"±	(E)	3'-1 3/4"±	3'-2 1/4"±
(B)	6'-11 3/4"±	6'-1/4"±	(F)	3'-3 3/4"±	3'-4 1/4"±
(C)	6'-11 3/4"±	6'-1/4"±	(G)	3'-3 3/4"±	3'-4 1/4"±
(D)	5'-9 3/4"±	5'-10 1/4"±	(H)	3'-1 3/4"±	3'-2 1/4"±

* Approximate dimension, adjust as required to provide 1" gap between bottom of end diaphragm and top of catcher block.

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

DESIGN	BY P. Hong	CHECKED H. Fang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) ABUTMENT 1 DETAILS
DETAILS	BY G. M. Souza/Y. Feng	CHECKED H. Fang			04-0056	
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster			POST MILE 98.1	

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 3592 PROJECT NUMBER & PHASE: 0100020153-1 CONTRACT NO.: 01-459701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
11-16-12	4	11

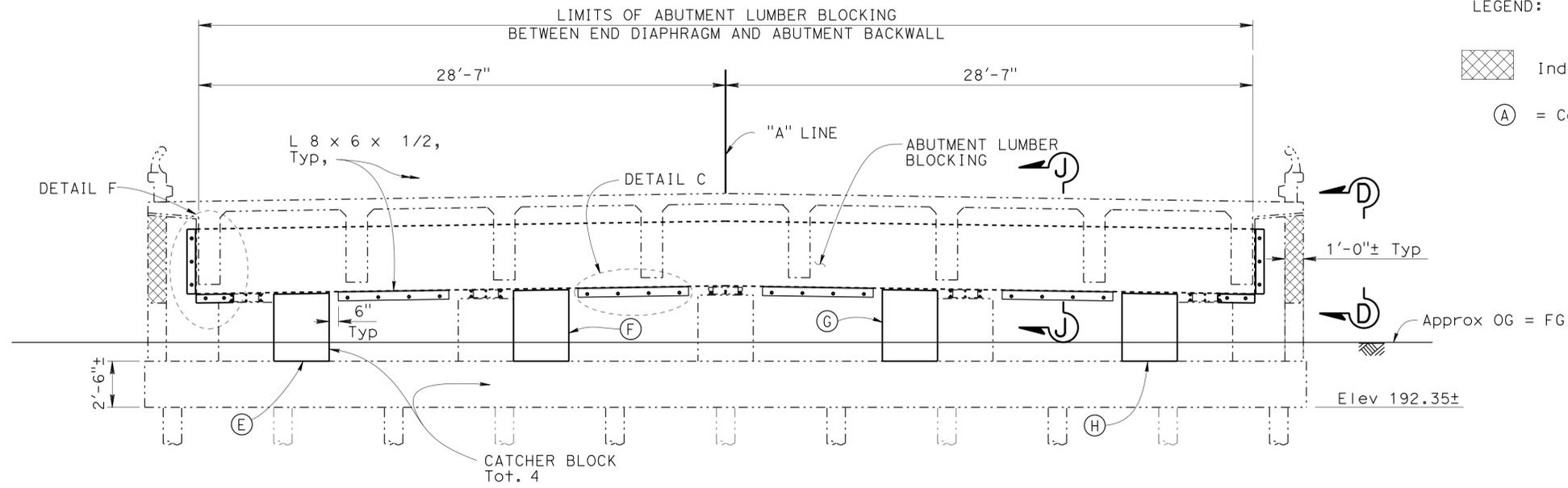
FILE => 004-0056-f-abut1-dt101.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	45	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER
 DATE 11-16-12
 PLANS APPROVAL DATE 4-29-13

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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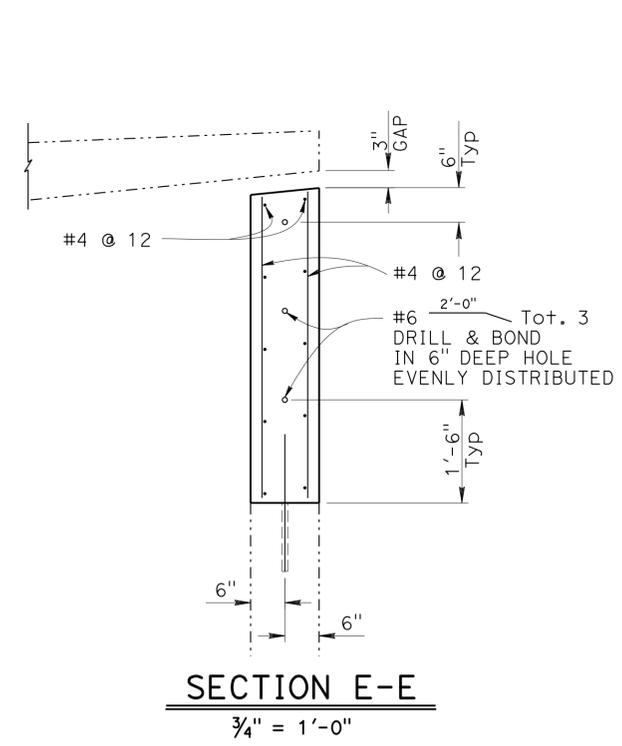


LEGEND:

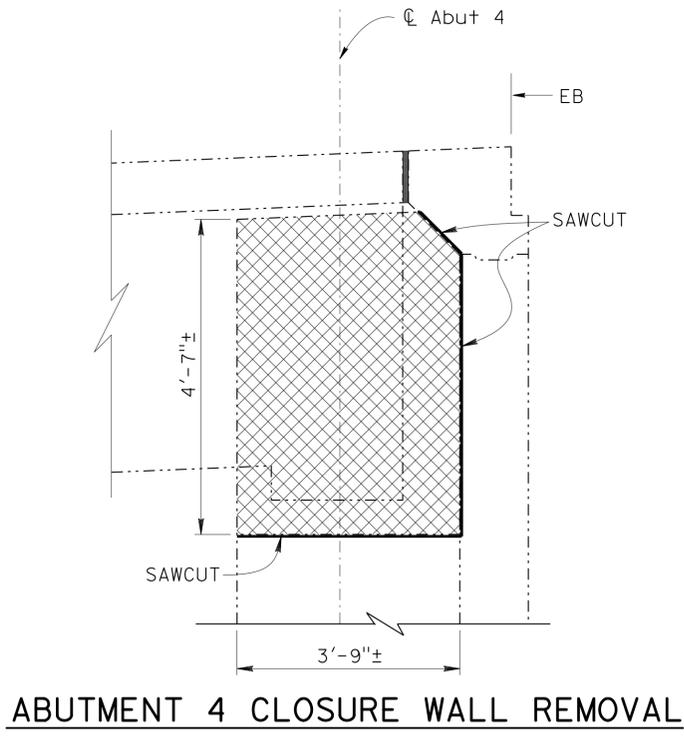
Indicates bridge removal (Portion)
 (A) = Catcher Block designation

- NOTES:
- For Catcher Block details, see "ABUTMENT 1 DETAILS" sheet.
 - For Joint Seal details, see "MISCELLANEOUS DETAILS" sheet.
 - Bottom of abutment lumber blocking shall coincide with bottom of existing end diaphragm.
 - For "Detail C" and "Detail F", see "ABUTMENT 4 DETAILS NO. 2" sheet.
 - Abutment lumber blocking must be at least 4'-0" long.

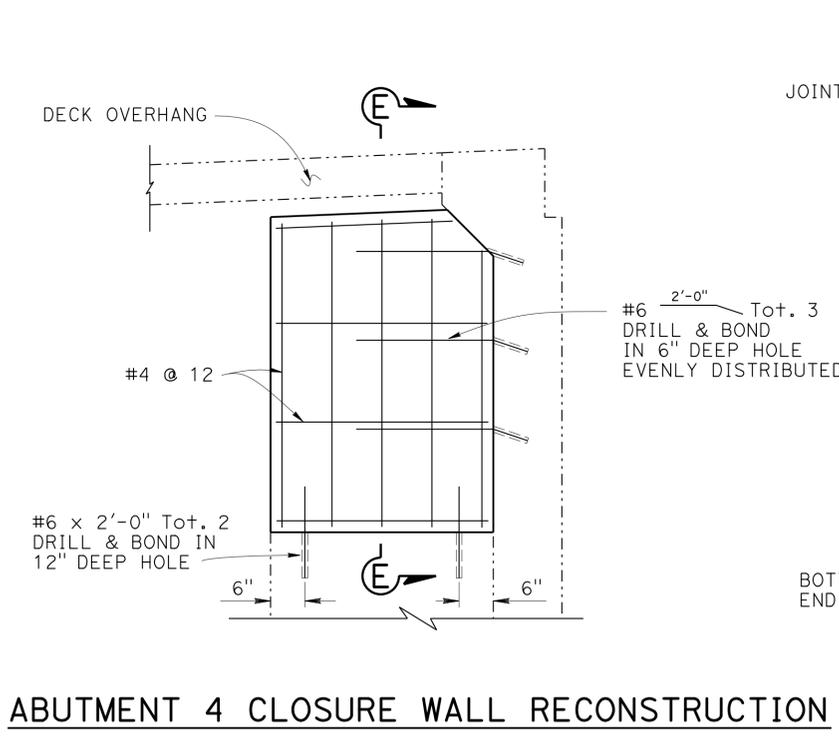
ABUTMENT 4 ELEVATION
 $\frac{1}{4}'' = 1'-0''$



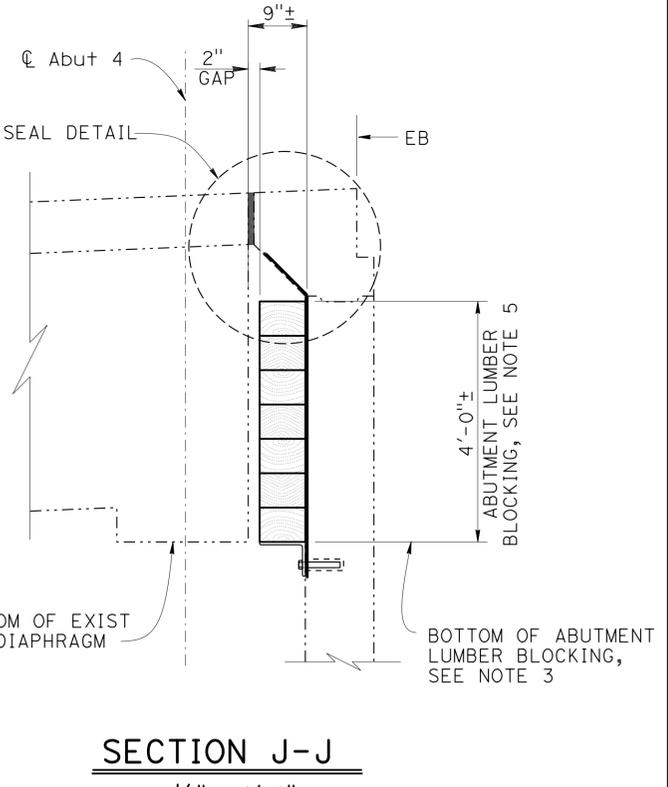
SECTION E-E
 $\frac{3}{4}'' = 1'-0''$



ABUTMENT 4 CLOSURE WALL REMOVAL



ABUTMENT 4 CLOSURE WALL RECONSTRUCTION



SECTION J-J
 $\frac{1}{2}'' = 1'-0''$

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

Right side shown, left side similar

VIEW D-D
 $\frac{1}{2}'' = 1'-0''$

DESIGN	BY P. Hong	CHECKED H. Fang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) ABUTMENT 4 DETAILS NO. 1
DETAILS	BY Y. Feng	CHECKED H. Fang			04-0056	
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster			POST MILE 98.1	

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 UNIT: 3592 PROJECT NUMBER & PHASE: 0100020153-1 CONTRACT NO.: 01-459701
 DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
11-16-12	5	11

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 10:39
 FILE => 004-0056-f-abut4-dt101_detail-sheet.dgn

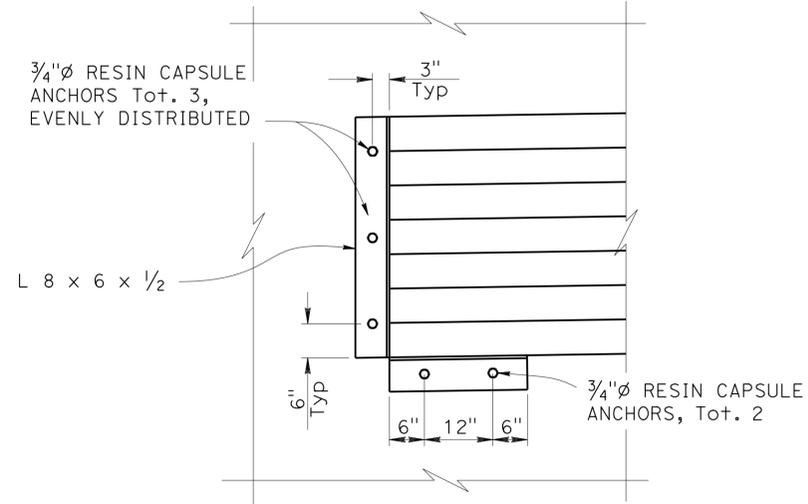
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	46	90

Manode Kodsuntie
REGISTERED CIVIL ENGINEER 11-16-12 DATE

4-29-13
PLANS APPROVAL DATE

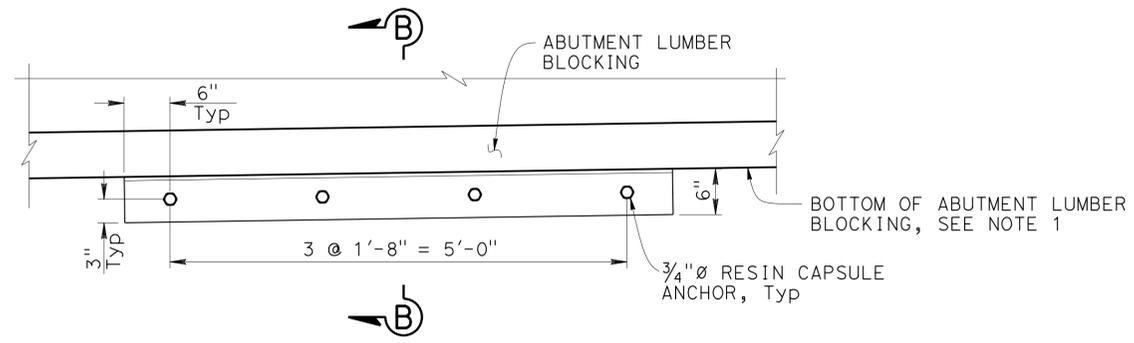
M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

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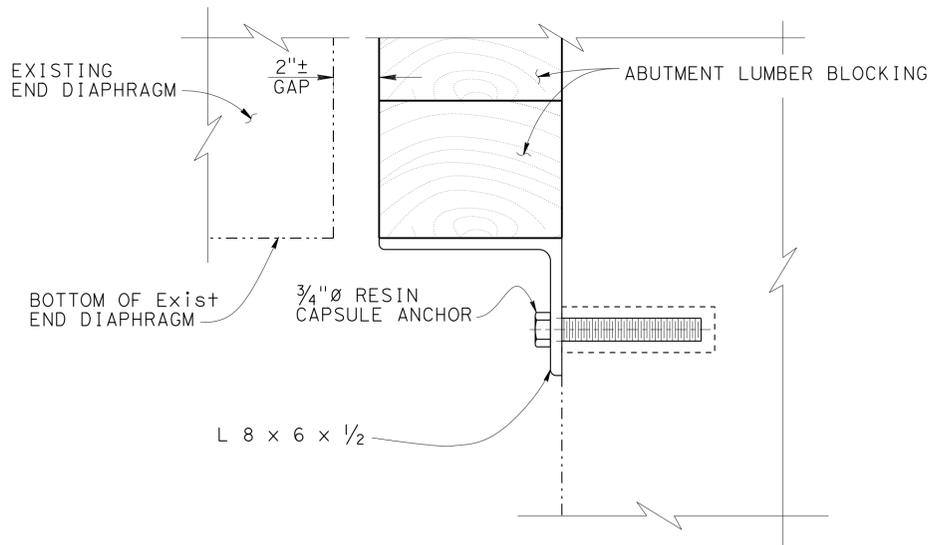


Left side shown, right side similar

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



DETAIL C
1" = 1'-0"



SECTION B-B
3" = 1'-0"

NOTES:

- Bottom of abutment lumber blocking shall coincide with bottom of existing end diaphragm.

LEGEND:

----- Indicates existing structure

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

DESIGN	BY P. Hong	CHECKED H. Fang
DETAILS	BY Y. Feng	CHECKED H. Fang
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0056
POST MILE	98.1

WESTHAVEN DRIVE UC (SEISMIC RETROFIT)
ABUTMENT 4 DETAILS NO. 2



REVISION DATES	SHEET	OF
2-16-12 2-24-12 3-15-12 10-17-12	6	11

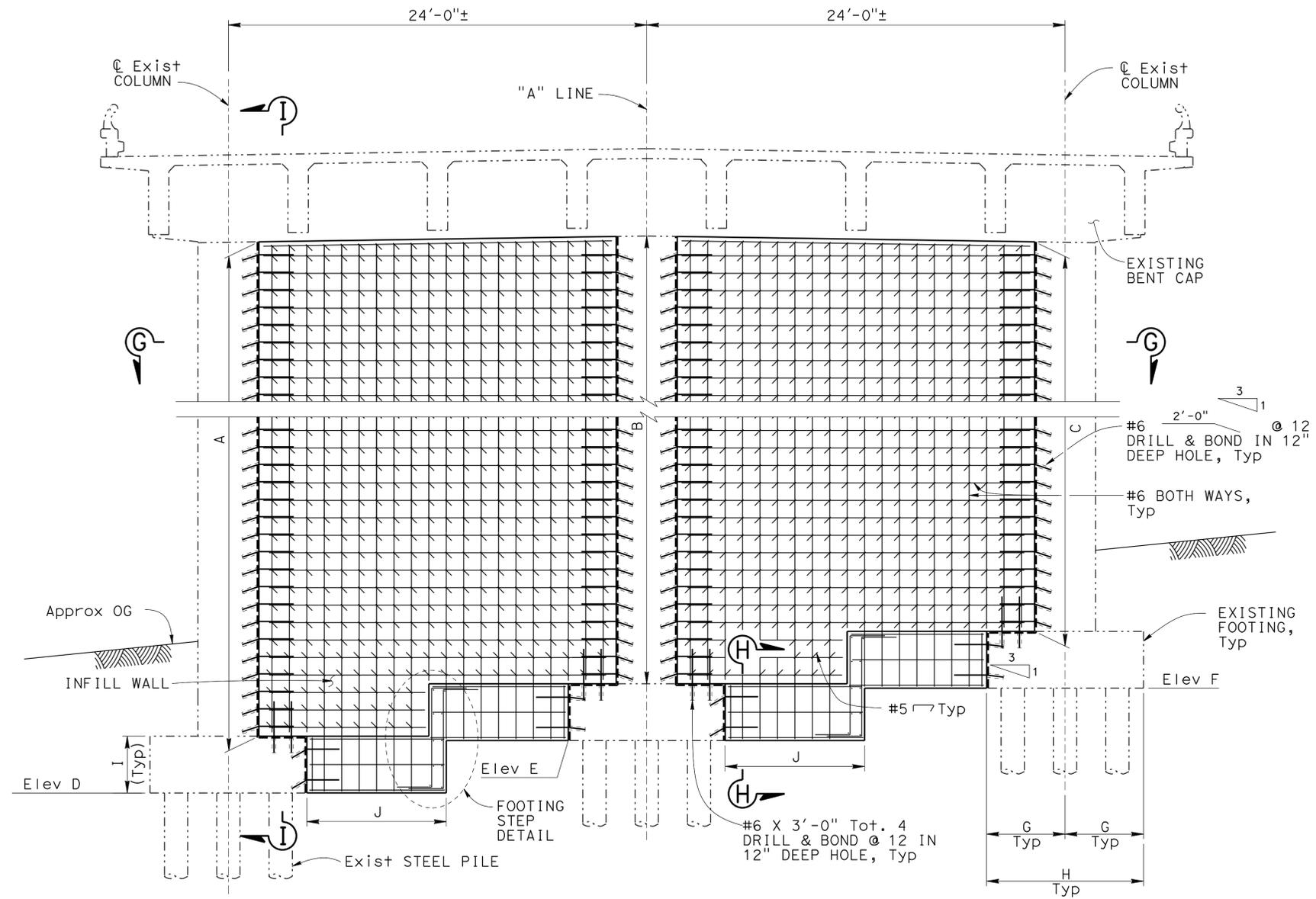
USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 10:39

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	47	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER 11-16-12 DATE
 4-29-13 PLANS APPROVAL DATE
 No. C56671 Exp. 06-30-13
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA
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LEGEND:
 ---- Indicates existing structure
 --- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with the new concrete shall be roughened

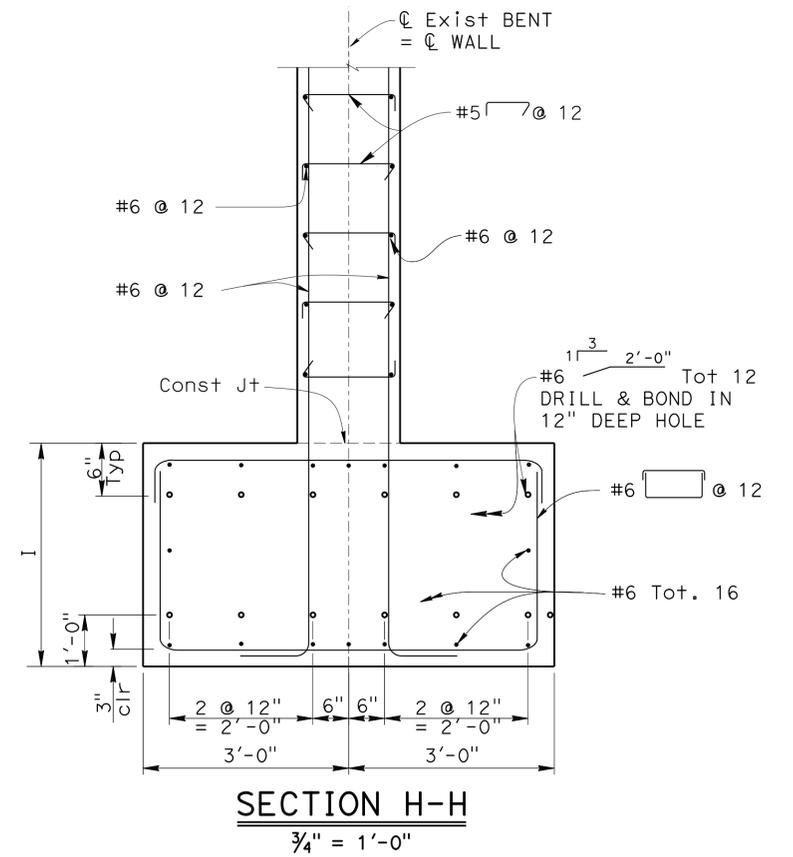
DIMENSION	Bent 2	Bent 3
A	25'-11 1/2" ±	28'-3 1/2" ±
B	24'-4 1/2" ±	25'-7 1/2" ±
C	22'-1/2" ±	22'-3 1/2" ±
Elev D	167.65' ±	164.65' ±
Elev E	169.65' ±	167.65' ±
Elev F	171.65' ±	170.65' ±
G	5'-6" ±	4'-6" ±
H	11'-0" ±	9'-0" ±
I	2'-6" ±	3'-3" ±
J	7'-0"	8'-0"



NOTE: Bent 3 shown, Bent 2 similar

BENT 3 ELEVATION
 1/4" = 1'-0"

NOTE:
 For "Section G-G", "Section I-I" and "Footing Step Detail", see "BENT DETAILS NO. 2" SHEET.



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

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

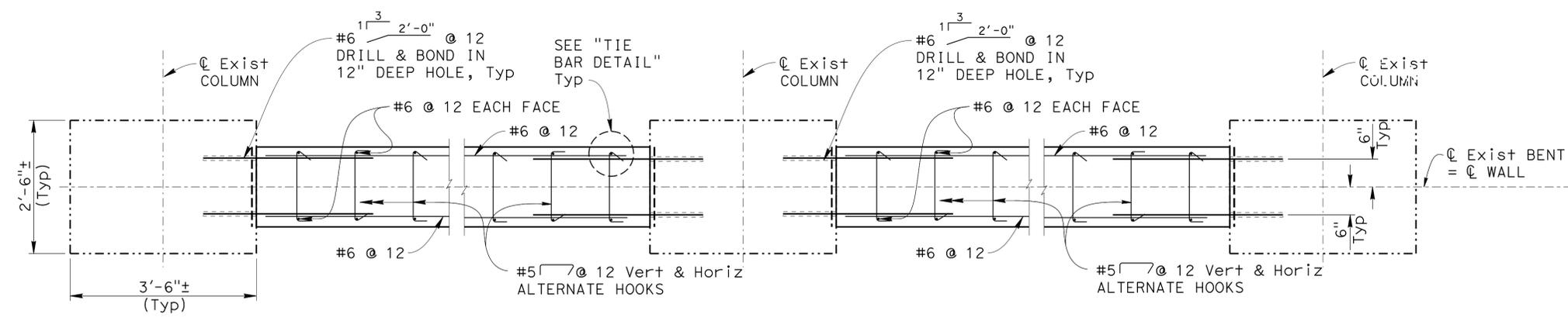
DESIGN	BY P. Hong	CHECKED H. Fang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0056	WESTHAVEN DRIVE UC (SEISMIC RETROFIT)	
	DETAILS BY G. M. Souza/ Y. Feng	CHECKED H. Fang			POST MILE 98.1		BENT DETAILS NO. 1
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster	UNIT: 3592 PROJECT NUMBER & PHASE: 0100020153-1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3
FILE => 004-0056-h_bent-df01_detail-sheet.dgn						REVISION DATES	SHEET 7 OF 11

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 10:39

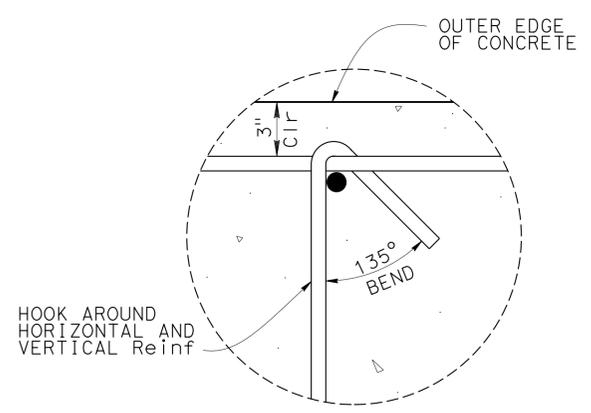
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01	Hum	101	97.7/100.7	48	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER
 11-16-12 DATE
 4-29-13 PLANS APPROVAL DATE
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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SECTION G-G
 $\frac{3}{4}'' = 1'-0''$

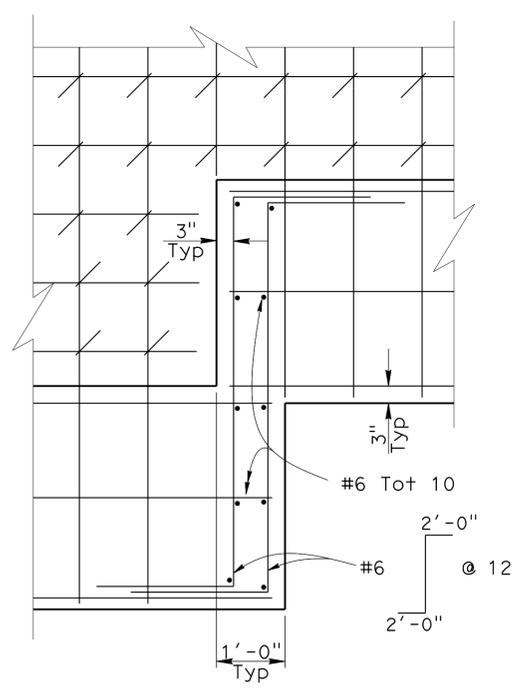


TIE BAR DETAIL
 NO SCALE

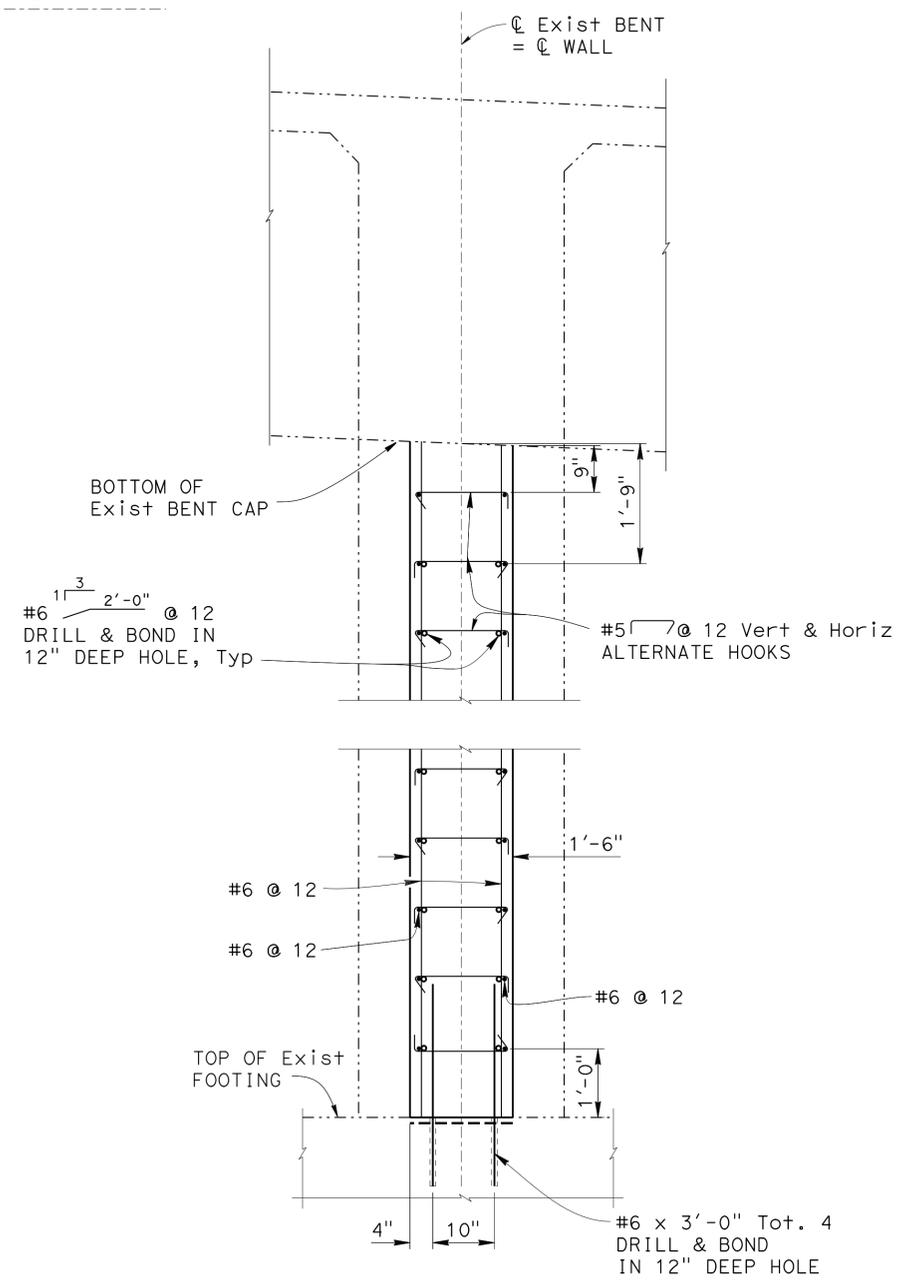
NOTE:
 For location of "Section G-G" and "Section I-I", see "BENT DETAILS NO. 1" sheet.

LEGEND:
 ---- Indicates existing structure
 - - - Indicates existing surface to be roughened approximately $\frac{1}{4}''$ amplitude. Only portion of existing surfaces that are in contact with the new concrete shall be roughened

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



FOOTING STEP DETAIL
 $\frac{3}{4}'' = 1'-0''$



SECTION I-I
 $\frac{3}{4}'' = 1'-0''$

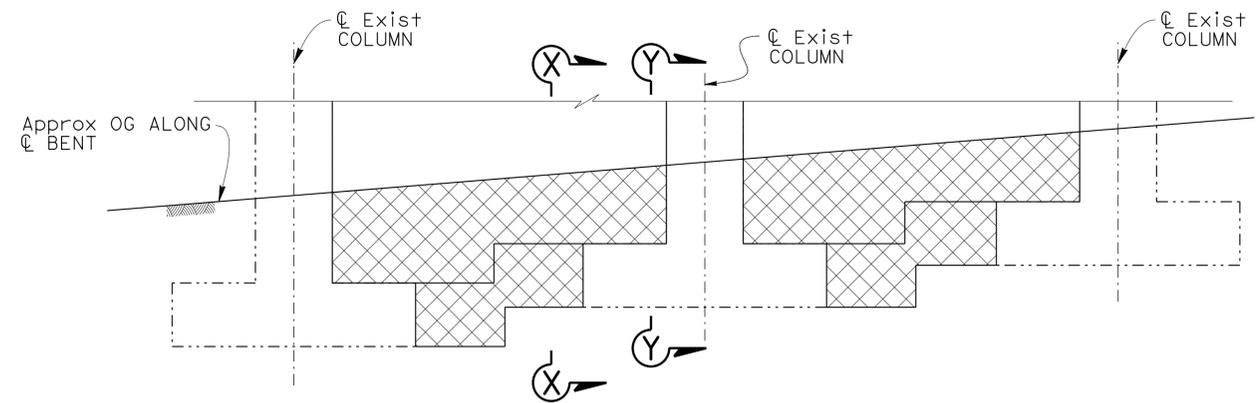
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY P. Hong	CHECKED H. Fang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) BENT DETAILS NO. 2
	DETAILS	BY Y. Feng	CHECKED H. Fang			04-0056	
	QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster			POST MILE	
						98.1	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3592
 PROJECT NUMBER & PHASE: 0100020153-1 CONTRACT NO.: 01-459701
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 2-12-12, 3-16-12, 7-09-12
 SHEET 8 OF 11
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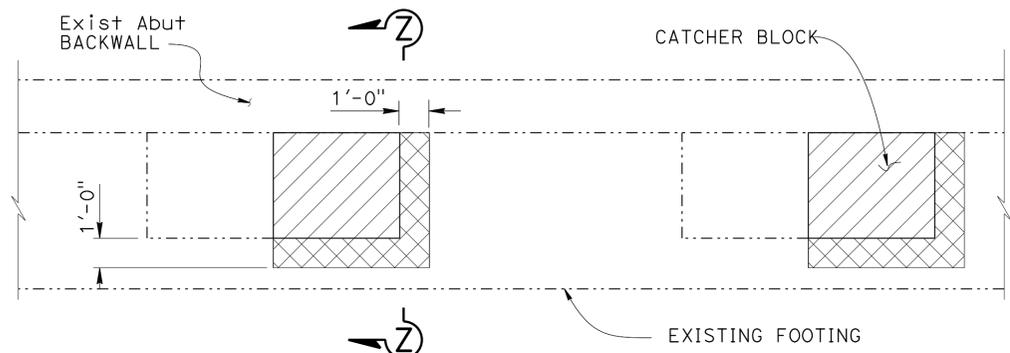
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	49	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER 11-16-12 DATE
 4-29-13 PLANS APPROVAL DATE
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA
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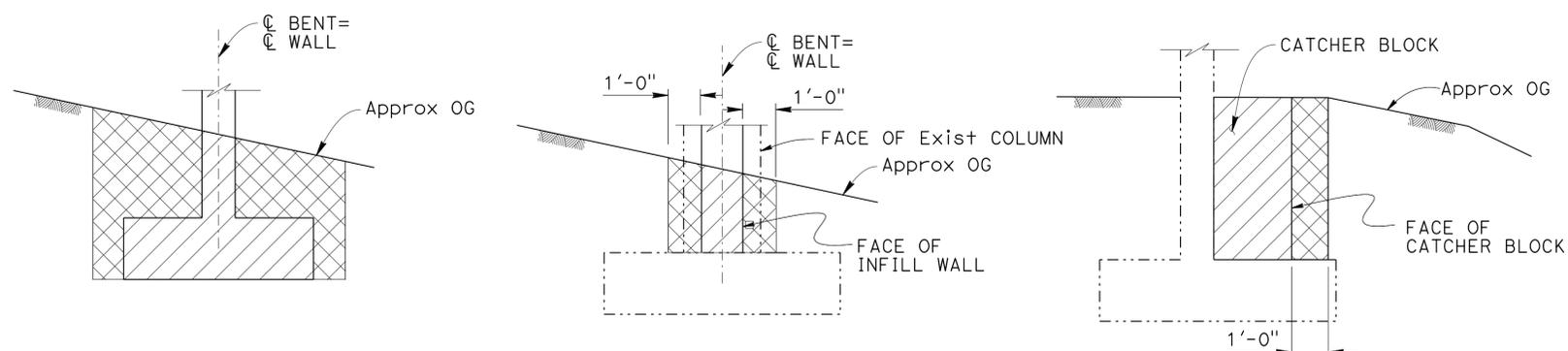
JOINT SEAL TABLE					
LOCATION	MINIMUM "MR" (in)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (ft)	
Abut 1 BB	1/2	61'-0"	NO	5'-0"	
Abut 4 EB	1/2	61'-0"	NO	5'-0"	



BENT ELEVATION



ABUTMENT PLAN (PART)



SECTION X-X

SECTION Y-Y

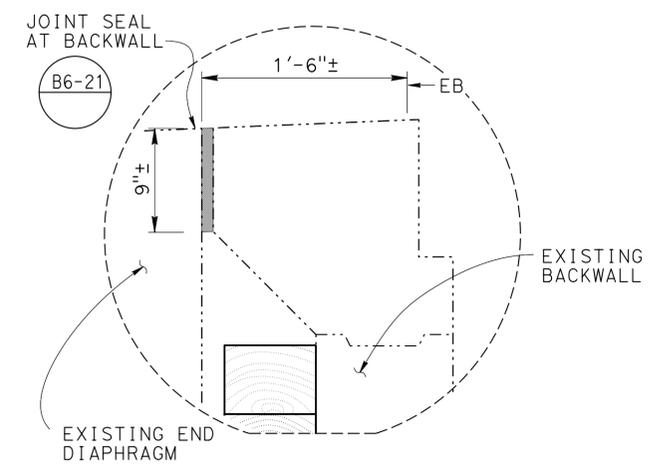
SECTION Z-Z

LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL

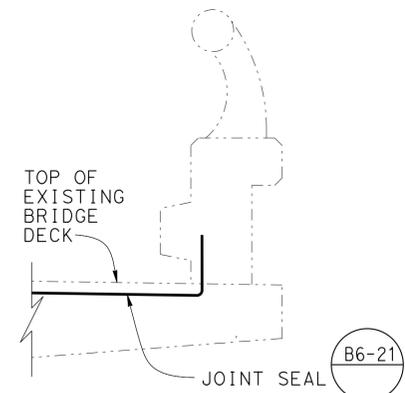
NO SCALE

- LEGEND:
- Existing Structure
 - ▨ Structure Excavation, Bridge
 - ▩ Structure Backfill, Bridge

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



Abutment 4 shown
JOINT SEAL DETAIL
 1/2" = 1'-0"



JOINT SEAL AT BARRIER RAIL
 1" = 1'-0"

NOTE:
 Details shown for illustration purposes only.
 For use only where deck joint matches the barrier rail joint.

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY P. Hong	CHECKED H. Fang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	04-0056	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) MISCELLANEOUS DETAILS
	DETAILS	BY Y. Feng	CHECKED H. Fang			POST MILE	98.1	
	QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster	UNIT: 3592	PROJECT NUMBER & PHASE: 0100020153-1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3
								REVISION DATES
								11-16-12
								10-11-12
								9
								11

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 10:39

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	101	97.7/100.7	50	90

4-10-12

CERTIFIED ENGINEERING GEOLOGIST

4-29-13

PLANS APPROVAL DATE

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PROFESSIONAL GEOLOGIST

Reid Buell

No. 1481

Exp. 4-30-13

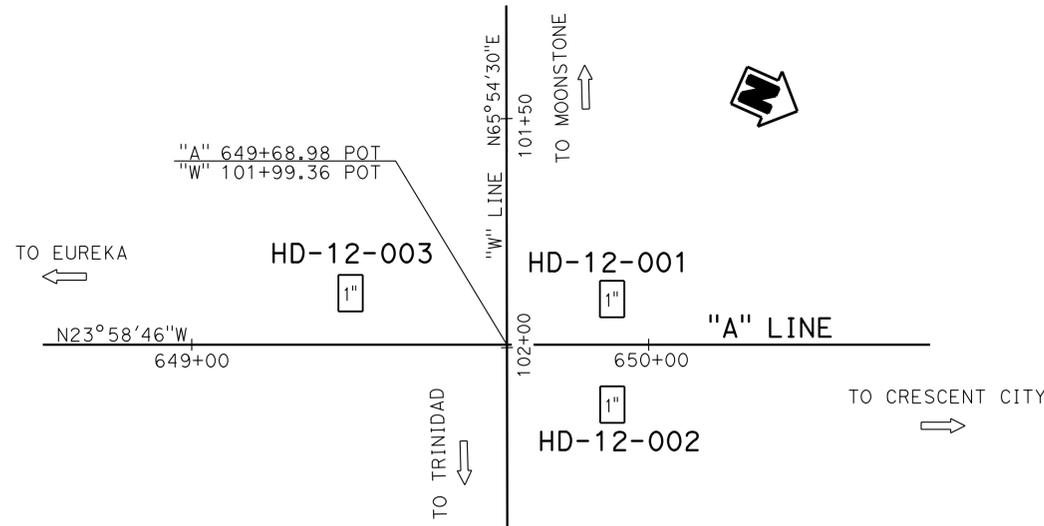
CERTIFIED ENGINEERING GEOLOGIST

STATE OF CALIFORNIA

This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (2010 Edition). See 2010 Standard Plans A10F and A10G for Soil Legend, and A10H for Rock Legend.

BENCH MARK

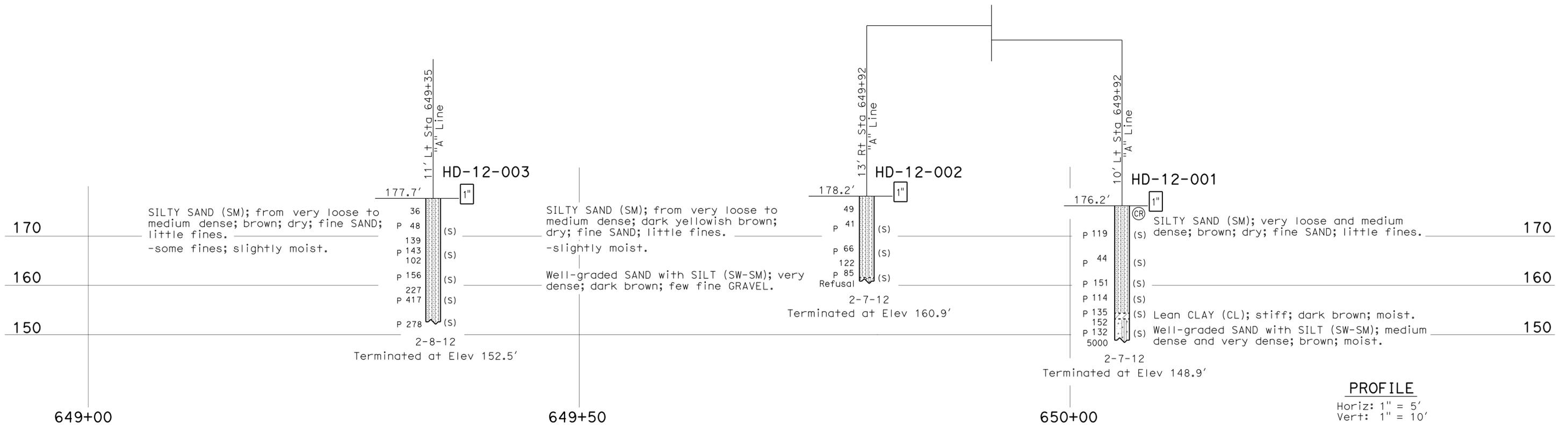
HUM-101-97.94 Elev 167.13'
 Fnd 1 1/2" aluminum cap on rebar,
 47.98' Rt Sta 641+72.25 Rte 101.
 N 2,265,598.33
 E 5,979,965.52
 NAVD88



PLAN

1" = 20'

Note: No ground water encountered during field investigation.



PROFILE

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

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X	BRIDGE NO. 04-0056 POST MILE 98.1	WESTHAVEN DRIVE UC (SEISMIC RETROFIT) LOG OF TEST BORINGS 1 OF 2
FUNCTIONAL SUPERVISOR NAME: R. Bibbens	DRAWN BY: I.G-Remmen CHECKED BY: J. Martin	FIELD INVESTIGATION BY: T. Alderman		UNIT: 3643 PROJECT NUMBER & PHASE: 01000201531	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 03-29-12 SHEET 10 OF 11

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

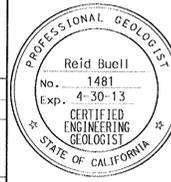
0 1 2 3

FILE => 004-0056-z-1fb01.dgn

065 CIVIL LOG OF TEST BORINGS SHEET

DATE PLOTTED => 29-APR-2013

TIME PLOTTED => 09:35



TO ACCOMPANY PLANS DATED 4-29-13

DIVISION OF ENGINEERING SERVICES - MATERIALS AND GEOTECHNICAL SERVICES

As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. It does not attest to the accuracy or validity of the information contained in the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

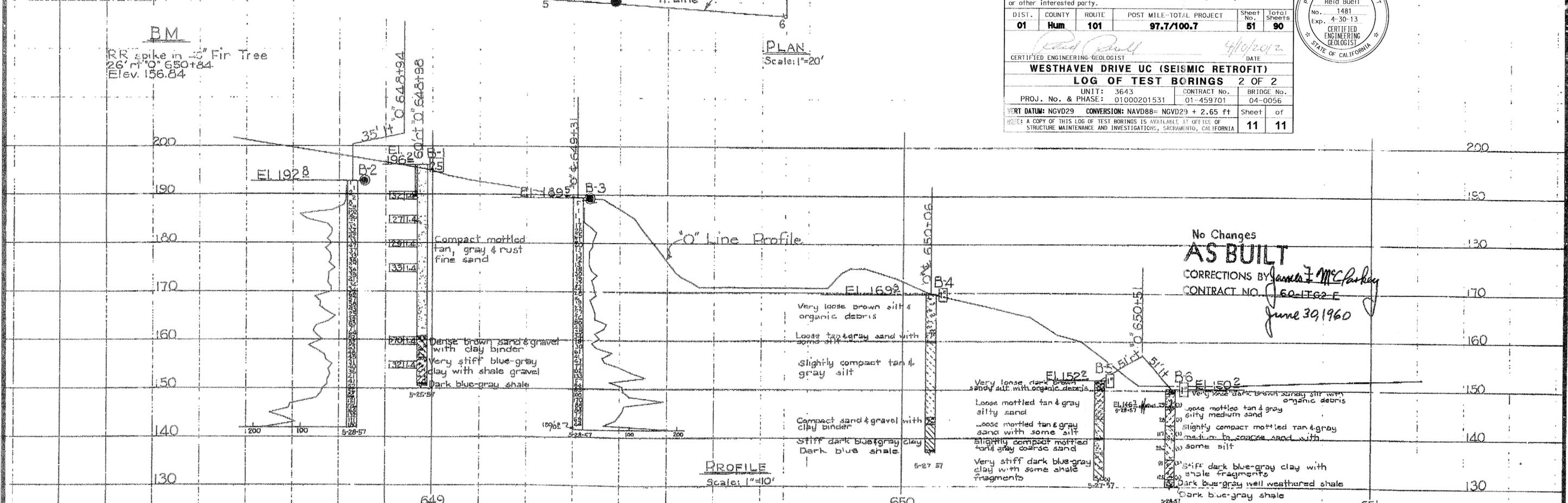
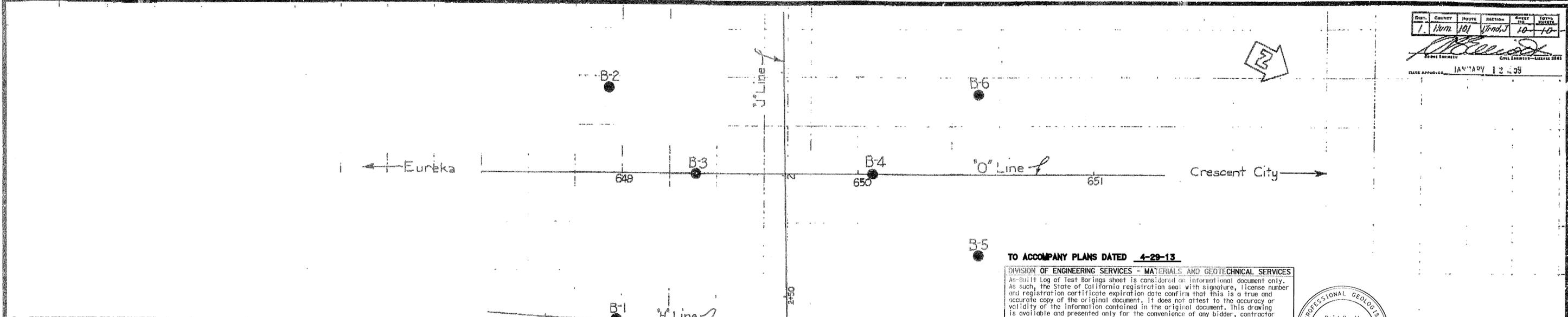
DIST.	COUNTY	ROUTE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
01	Hum	101	97.7/100.7	51	90

WESTHAVEN DRIVE UC (SEISMIC RETROFIT)

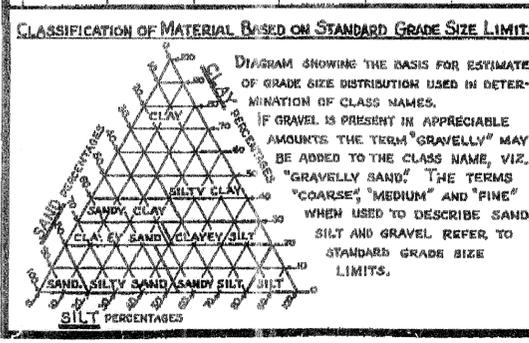
LOG OF TEST BORINGS 2 OF 2

UNIT:	3643	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE:	01000201531	01-459701	04-0056

VERT DATUM: NGVD29 CONVERSION: NAVD88= NGVD29 + 2.65 ft Sheet of 11 11



No Changes
AS BUILT
 CORRECTIONS BY James F. McCorkle
 CONTRACT NO. 60-JTG2-E
 June 30, 1960



LEGEND OF EARTH MATERIALS

GRAVEL	SILTY CLAY OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

- PLAN OF ANY BORING
- PENETROMETER
- 2 1/2" CONE PENETROMETER
- SAMPLER BORING (DRY)
- ROTARY BORING (WET)
- AUGER BORING (DRY)
- JET BORING
- CORE BORING
- TEST PIT

1" SOIL TUBE

ROTARY BORING

PENETRATION BORING

NOTES

The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans. Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF HIGHWAYS

MOONSTONE ROAD UNDERCROSSING

LOG OF TEST BORINGS

SCALE As shown BRIDGE 4-56 FILE DRAWING 0-5516-10

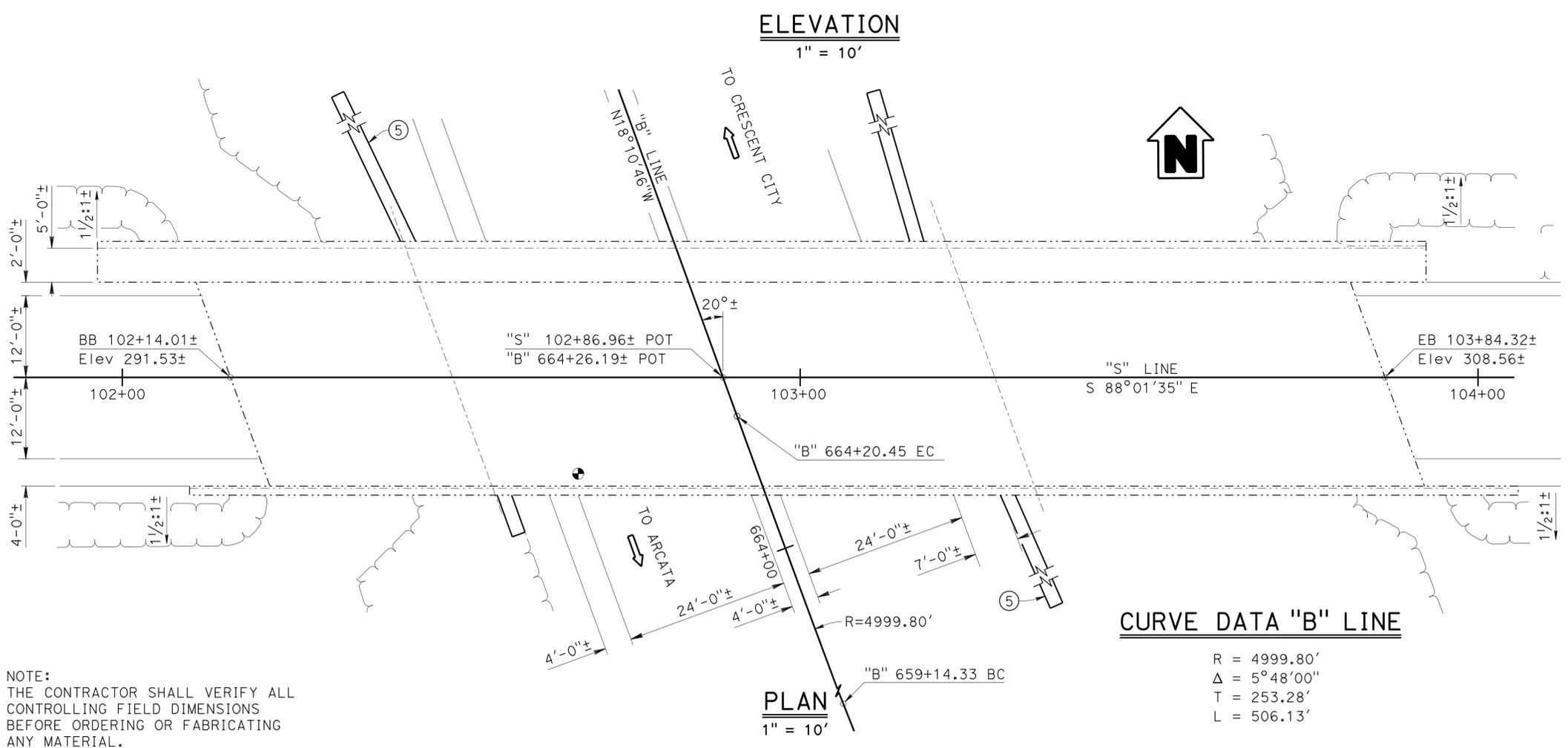
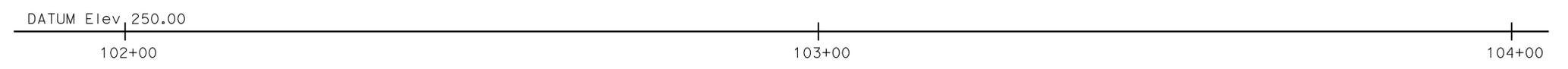
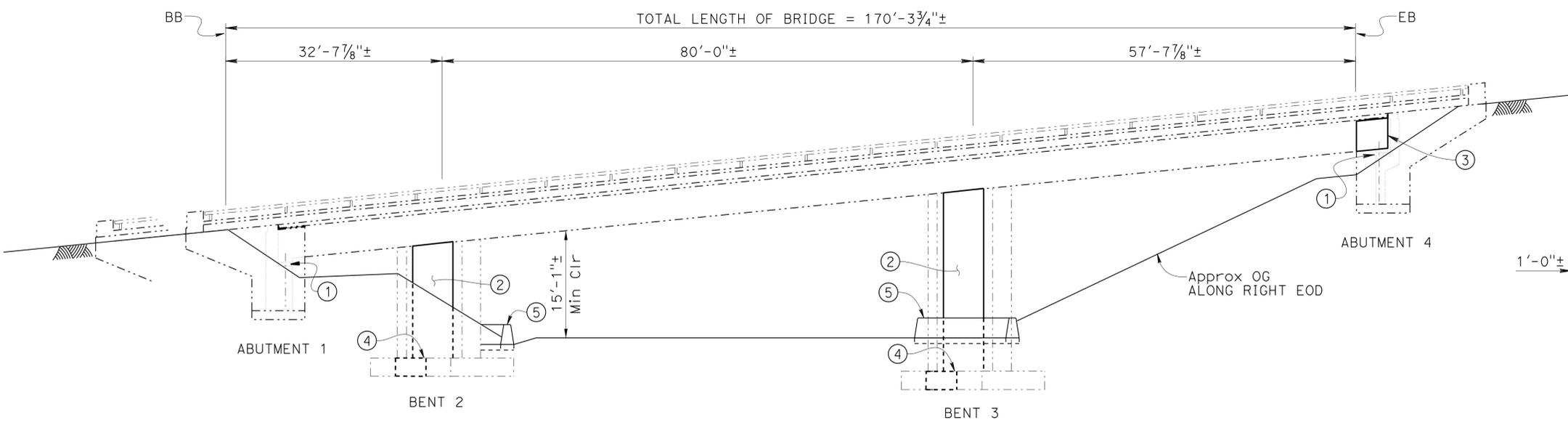
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	52	90

Manode Kodsuntie
REGISTERED CIVIL ENGINEER 11-16-12 DATE

4-29-13
PLANS APPROVAL DATE

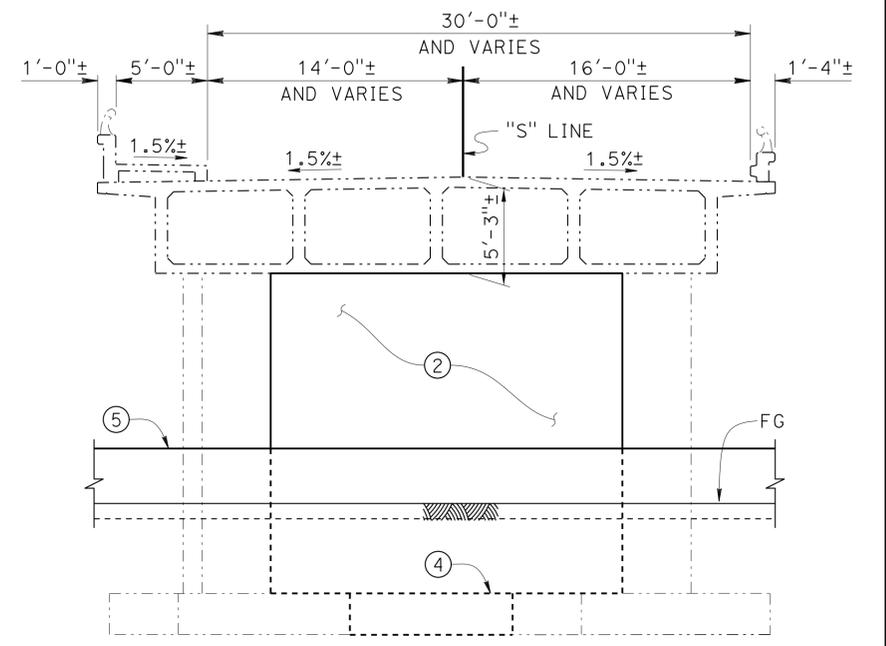
M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



CURVE DATA "B" LINE

R = 4999.80'
Δ = 5°48'00"
T = 253.28'
L = 506.13'



TYPICAL SECTION
1" = 5'

QUANTITIES	LUMP SUM
BRIDGE REMOVAL (PORTION), LOCATION B	82 CY
STRUCTURE EXCAVATION (BRIDGE)	54 CY
STRUCTURE BACKFILL (BRIDGE)	12 CY
STRUCTURAL CONCRETE, BRIDGE FOOTING	58 CY
STRUCTURAL CONCRETE, BRIDGE	327 LF
DRILL AND BOND DOWEL	10,592 LB
BAR REINFORCING STEEL (BRIDGE)	0.9 MFBM
ABUTMENT LUMBER BLOCKING	4,351 SQFT
ANTI-GRAFFITI COATING	19 LF
CONCRETE BARRIER (TYPE 60F)	250 LF
CONCRETE BARRIER (TYPE 60)	9 LF
CONCRETE BARRIER (TYPE 60D)	

NOTES:

- ① Catcher block.
- ② Infill wall between columns.
- ③ Abutment Lumber Blocking. Remove and rebuild closure wall to facilitate placement of abutment lumber blocking.
- ④ Infill wall footing.
- ⑤ Concrete Barrier Type 60, see "BARRIER DETAILS" sheet For Index To Plans, Standard Plans List and General Notes, see "Index to Plans" sheet.

LEGEND:

- ⊙ Minimum vertical clearance
- Indicates Existing Structure

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

DESIGN	BY M. Kodsuntie	CHECKED P. Hong	LOAD & RESISTANCE FACTOR DESIGN
DETAILS	BY G. M. Souza/S. Jiang/T. C.	CHECKED P. Hong	LAYOUT
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster	SPECIFICATIONS
			BY M. Kodsuntie
			CHECKED P. Hong
			PLANS AND SPECS COMPARED M. Kopsa

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO. 04-0057
POST MILE 98.4

SIXTH STREET OC (SEISMIC RETROFIT)
GENERAL PLAN

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	53	90

M. Kodsuntie
REGISTERED CIVIL ENGINEER 11-16-12 DATE

4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

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GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:
AASHTO LRFD Bridge Design Specifications, 4th edition and the Caltrans Amendments preface dated December 2008.

SEISMIC DESIGN:
Caltrans Seismic Design Criteria (SDC), Version 1.6 dated November 2010.

SEISMIC LOADING:
Peak Ground Acceleration 0.7 g
Site specific ARS Curve (See "ARS Curve")

CONCRETE (New construction):	Existing (Assumed for Retrofit):
fy = 60 ksi	fy = 44 ksi
f'c = 3.6 ksi	f'c = 5 ksi
n = 8	n = 7

STRUCTURAL TIMBER:
Abutment Lumber blocking shall be pressure treated Douglas Fir No. 1

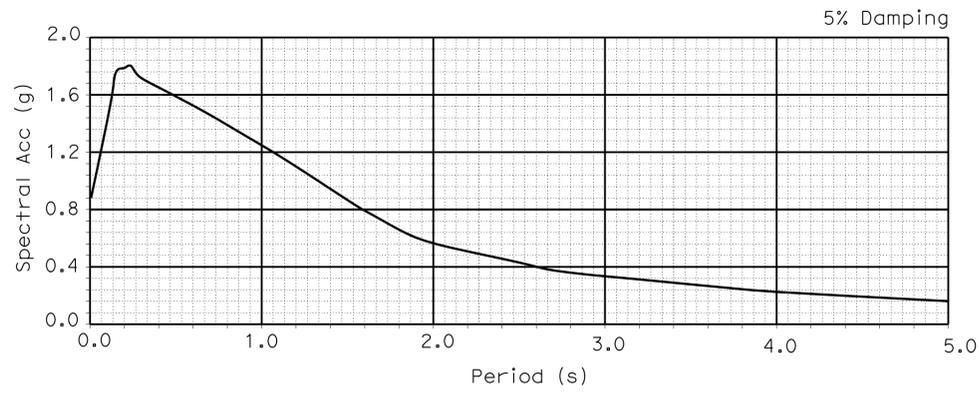
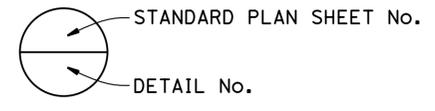
INFILL WALL FOOTING PRESSURE:
Factored Gross Nominal Bearing Resistance = 15 ksf (Extreme Event)

STANDARD PLANS DATED 2010

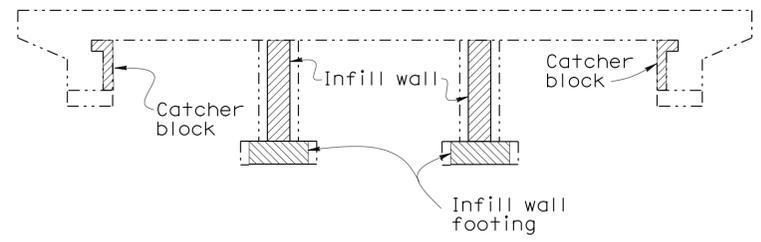
- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)
- A76A CONCRETE BARRIER TYPE 60
- A76C CONCRETE BARRIER TYPE 60F
- B7-8 DECK DRAINAGE DETAILS

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	INDEX TO PLANS
3	FOUNDATION PLAN
4	ABUTMENT 1 DETAILS NO. 1
5	ABUTMENT 1 DETAILS NO. 2
6	ABUTMENT 4 DETAILS NO. 1
7	ABUTMENT 4 DETAILS NO. 2
8	BENT DETAILS
9	BARRIER DETAILS
10	MISCELLANEOUS DETAILS
11	LOG OF TEST BORINGS 1 OF 2
12	LOG OF TEST BORINGS 2 OF 2



ARS Curve



CONCRETE STRENGTH AND TYPE LIMITS
NO SCALE

LEGEND:

- Structural Concrete, Bridge (3600 psi at 28 days)
- Structural Concrete, Bridge Footing (3600 psi at 28 days)
- Indicates Existing Structure

DESIGN	BY G. Schuster	CHECKED P. Hong
DETAILS	BY G. Dickerson	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0057
POST MILE	98.4

SIXTH STREET OC (SEISMIC RETROFIT)
INDEX TO PLANS

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3592
PROJECT NO. & PHASE: 0100020153 1

CONTRACT NO.: 01-459701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
9-28-12 10-17-12	2	12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	54	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER 11-16-12 DATE
 4-29-13 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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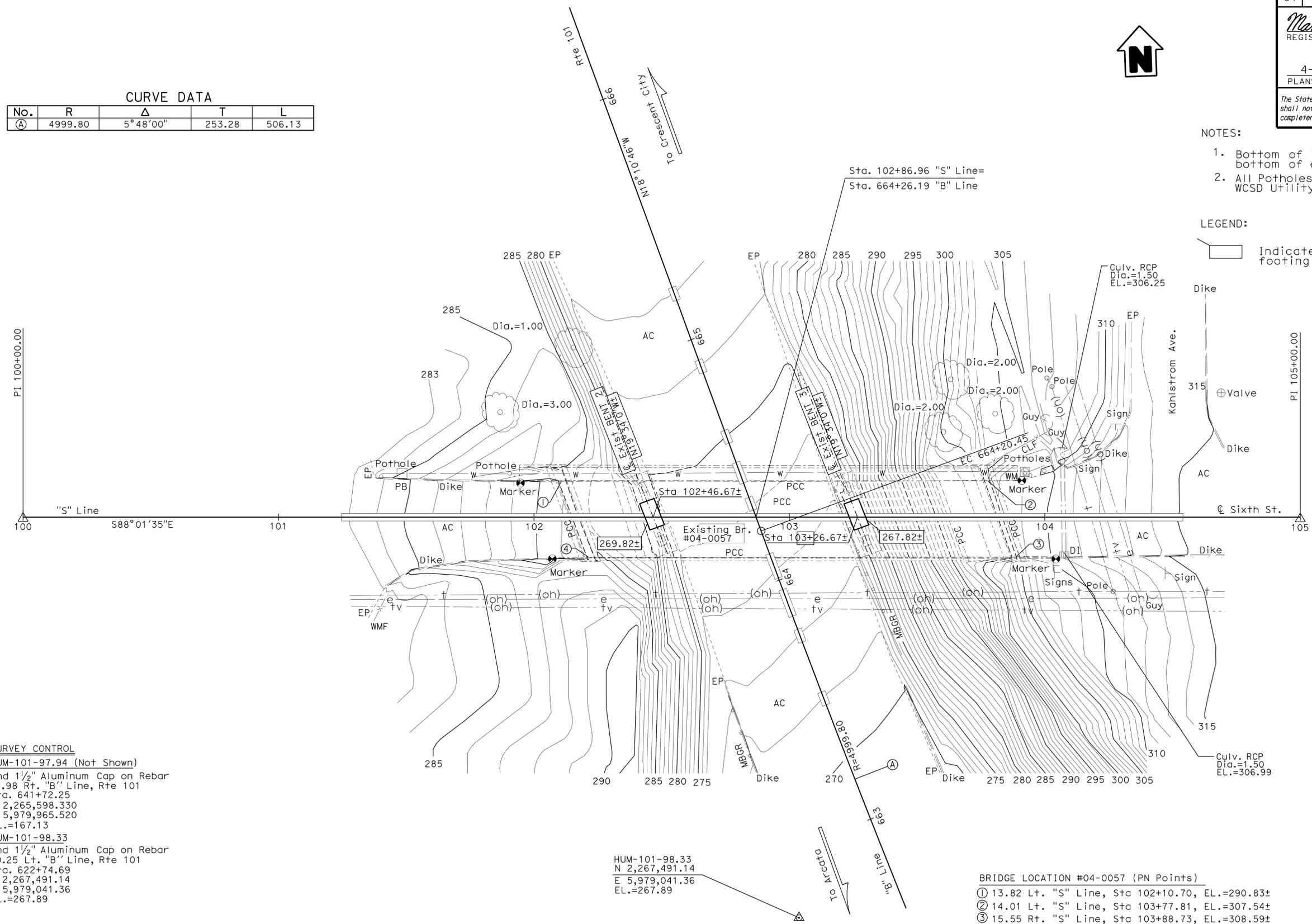


CURVE DATA

No.	R	Δ	T	L
(A)	4999.80	5°48'00"	253.28	506.13

- NOTES:
- Bottom of infill wall footings shall match bottom of existing spread footings.
 - All Potholes and Suddenlink, AT&T, PG&E, WCSO Utility Lines are per District Utility Map.

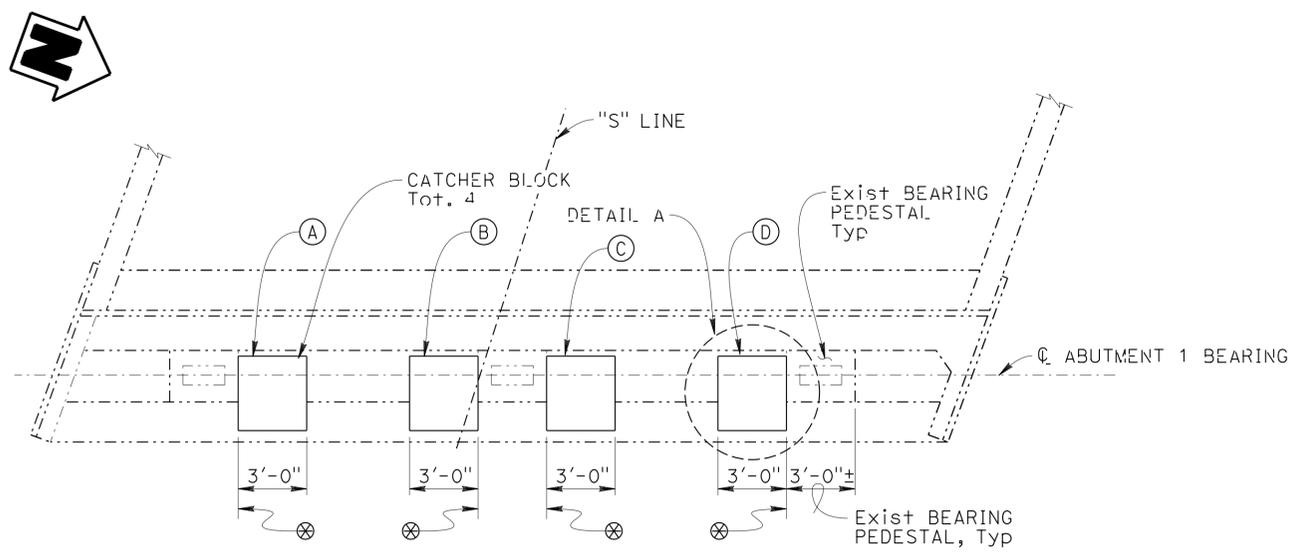
LEGEND:
 Indicates bottom of infill wall footing elevation.



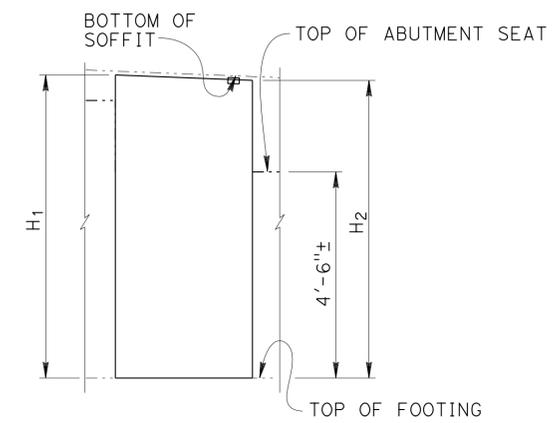
SURVEY CONTROL
 HUM-101-97.94 (Not Shown)
 Fnd 1 1/2" Aluminum Cap on Rebar
 47.98 Rt. "B" Line, Rte 101
 Sta. 641+72.25
 N 2,265,598.330
 E 5,979,965.520
 EL.=167.13
 HUM-101-98.33
 Fnd 1 1/2" Aluminum Cap on Rebar
 40.25 Lt. "B" Line, Rte 101
 Sta. 622+74.69
 N 2,267,491.14
 E 5,979,041.36
 EL.=267.89

- BRIDGE LOCATION #04-0057 (PN Points)**
- 13.82 Lt. "S" Line, Sta 102+10.70, EL.=290.83±
 - 14.01 Lt. "S" Line, Sta 103+77.81, EL.=307.54±
 - 15.55 Rt. "S" Line, Sta 103+88.73, EL.=308.59±
 - 15.67 Rt. "S" Line, Sta 102+21.40, EL.=291.89±

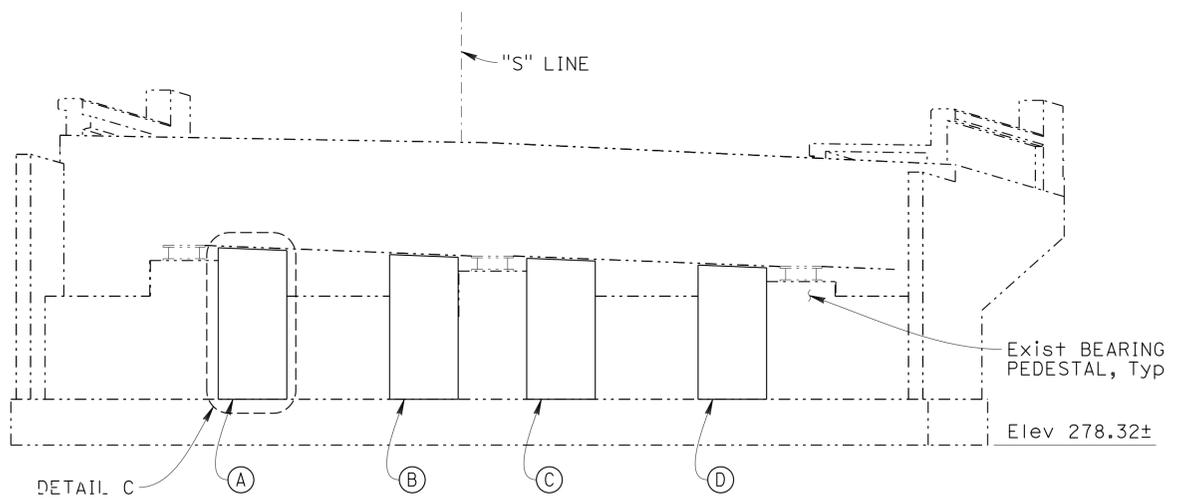
PRELIMINARY INVESTIGATION SECTION				DESIGN BY M. Kodsuntie	CHECKED P. Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0057	SIXTH STREET OC (SEISMIC RETROFIT) FOUNDATION PLAN			
SCALE 1"=20'	VERT.DATUM NAVD88	PHOTOGRAMMETRY AS OF: X	DETAILS BY G. Dickerson	CHECKED P. Hong	POST MILE 98.4							
ALIGNMENT TIES Dist. Traverse Sheet	SURVEYED BY District	CHECKED BY John Borden 01/2012	QUANTITIES BY M. Kodsuntie	CHECKED G. Schuster								
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3592	PROJECT NUMBER & PHASE: 0100020153-1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3 OF 12



ABUTMENT 1 PLAN
1/4" = 1'-0"



DETAIL C
1/2" = 1'-0"



ABUTMENT 1 ELEVATION
1/4" = 1'-0"

DESIGNATION	H ₁ *	H ₂ *
(A)	6'-7 1/2"±	6'-6"±
(B)	6'-4"±	6'-2 1/4"±
(C)	6'-1 3/4"±	6'-1/2"±
(D)	5'-10 1/4"±	5'-8 3/4"±

* Approximate dimension, adjust as required to provide 1" gap between bottom of soffit and top of catcher block.

Note:
 For "DETAIL A", see "ABUTMENT 1 DETAILS NO. 2" sheet.
 (A) = Catcher Block designation
 ⊗ = Edge of existing bearing pedestal

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

DESIGN BY M. Kodsuntie CHECKED P. Hong	BY T. Cotton CHECKED P. Hong	BY M. Kodsuntie CHECKED G. Schuster	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH 7	BRIDGE NO. 04-0057	SIXTH STREET OC (SEISMIC RETROFIT) ABUTMENT 1 DETAILS NO. 1			
					POST MILE 98.4				
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3592 PROJECT NUMBER & PHASE: 0100020153-1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 12-08-11 07-06-12 02-24-12 07-09-12	SHEET 4 OF 12

FILE => 004-0057-f-abut01_detail-sheet.dgn

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 09:35

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	56	90

M. Kodsuntie
REGISTERED CIVIL ENGINEER 11-16-12 DATE

4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
REGISTERED PROFESSIONAL ENGINEER
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

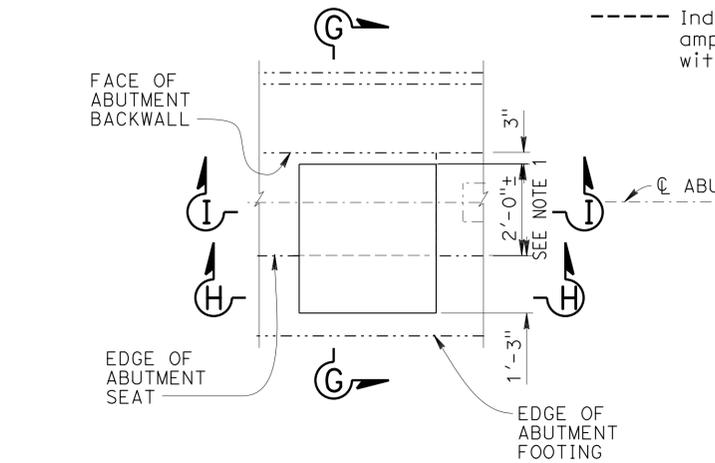
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Notes:

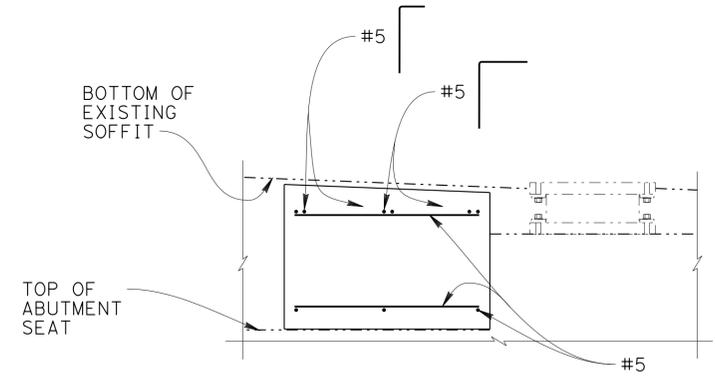
- Adjust the dimension as required to provide 3" gap between catcher block and face of abutment backwall.
- For location of "DETAIL A", see "ABUTMENT 1 DETAILS NO. 1" sheet.

Legend:

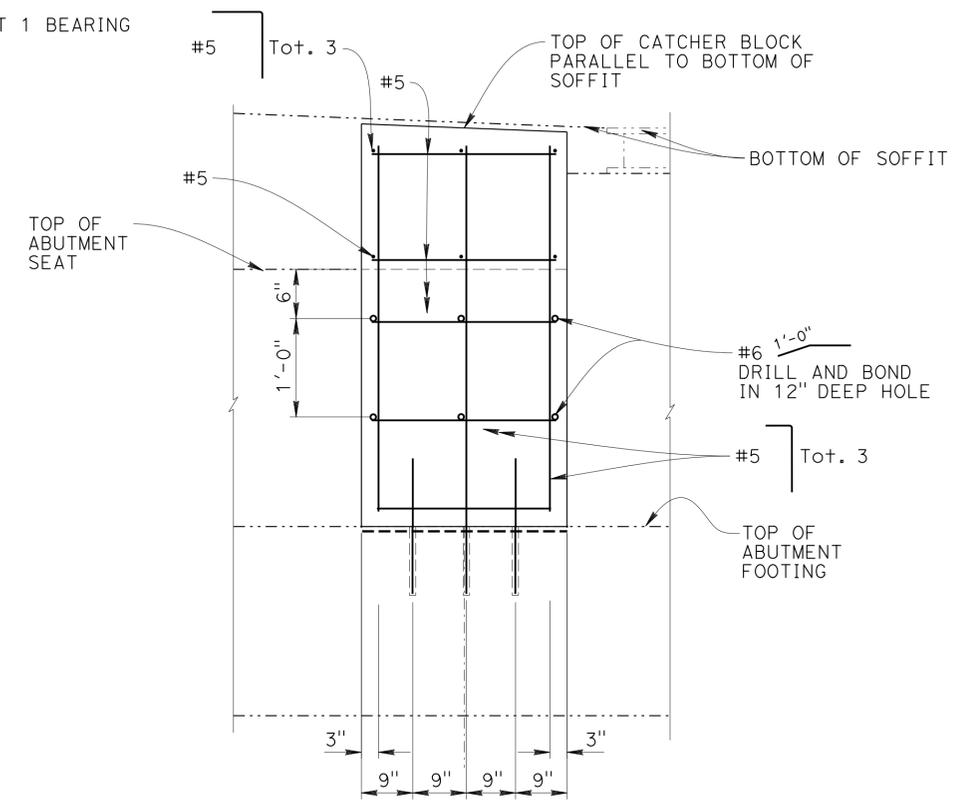
--- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with new concrete shall be roughened.



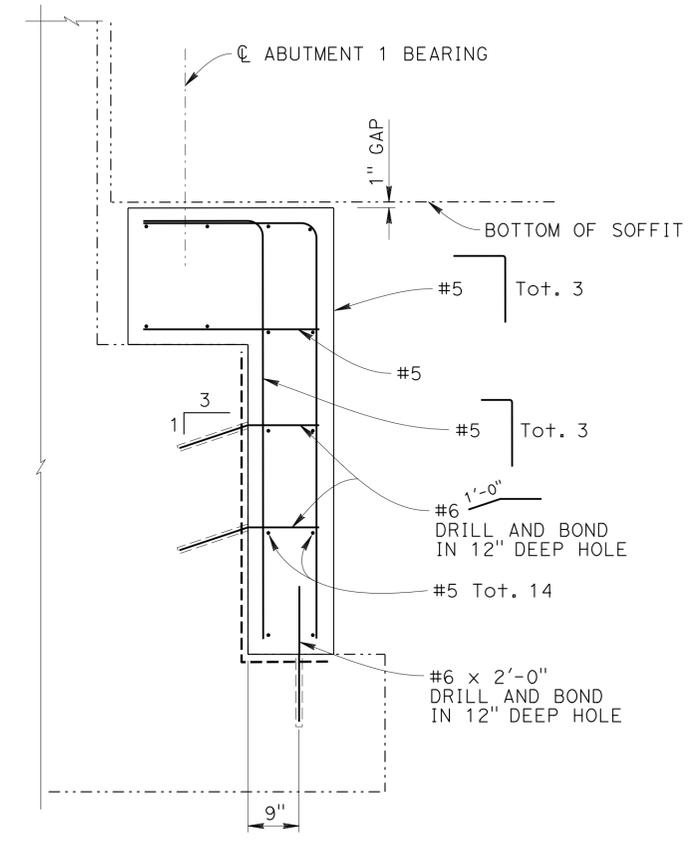
DETAIL A
1" = 1'-0"



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



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



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

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

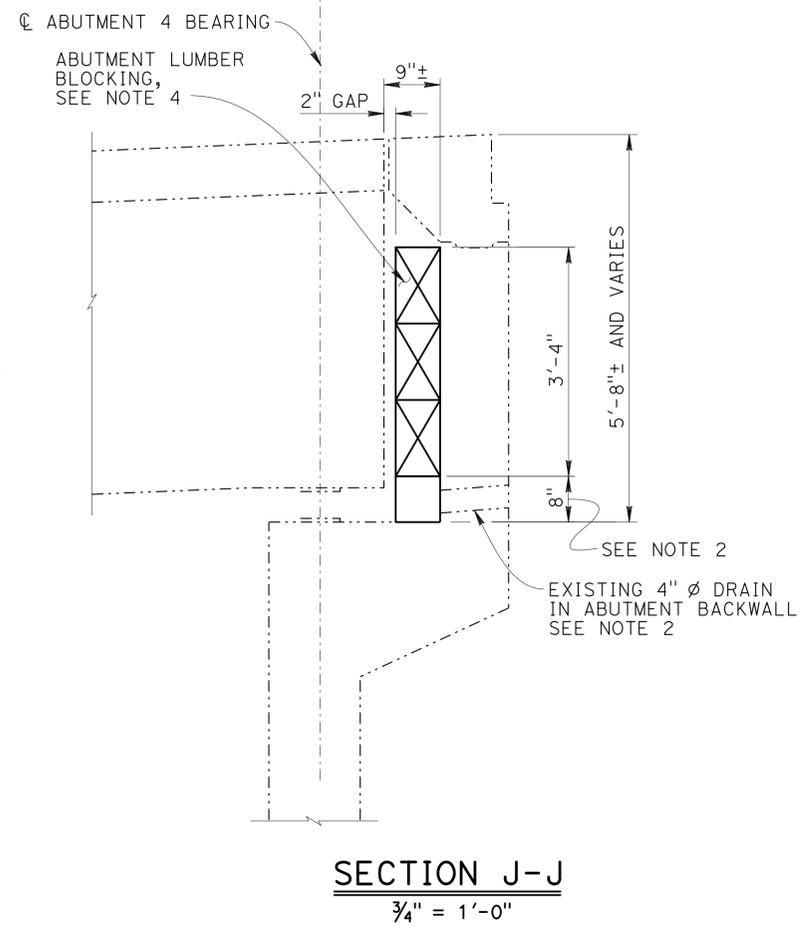
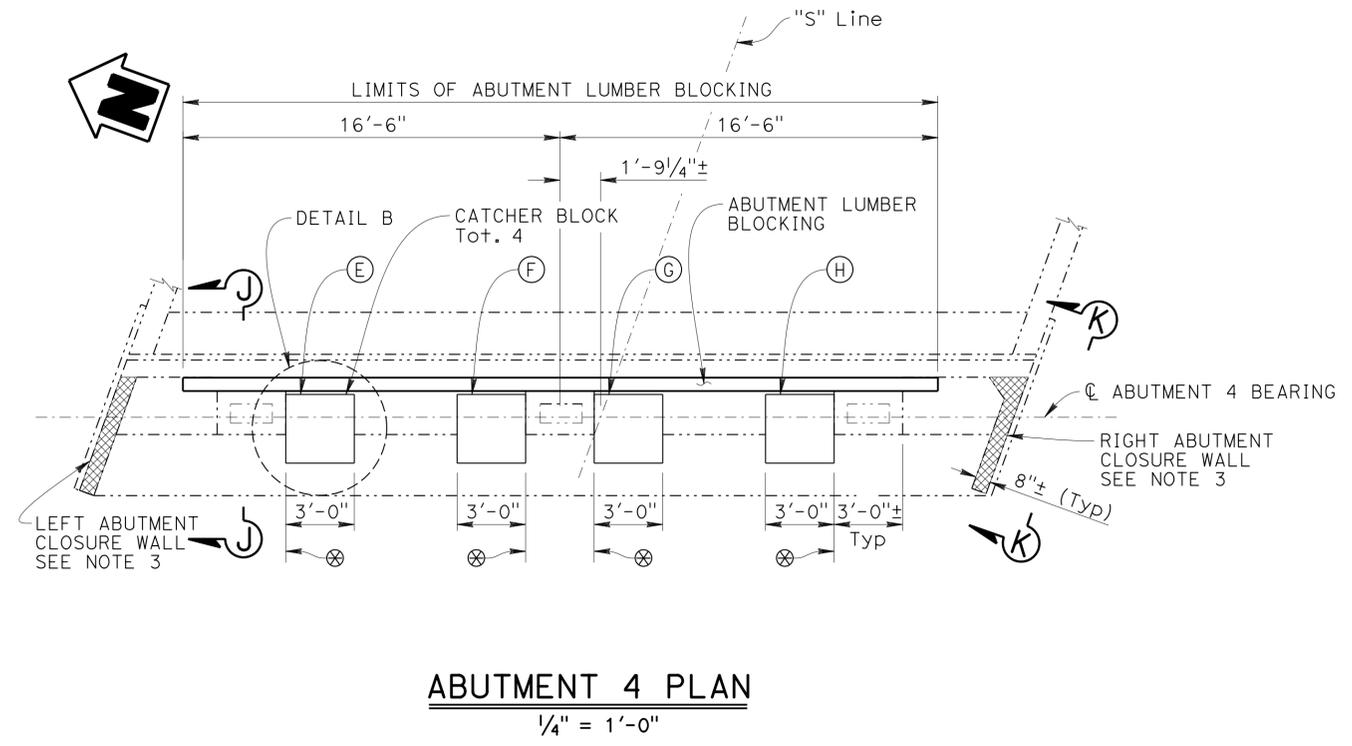
DESIGN	BY M. Kodsuntie	CHECKED P. Hong
DETAILS	BY T. Cotton	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0057
POST MILE	98.4

SIXTH STREET OC (SEISMIC RETROFIT)
ABUTMENT 1 DETAILS NO. 2

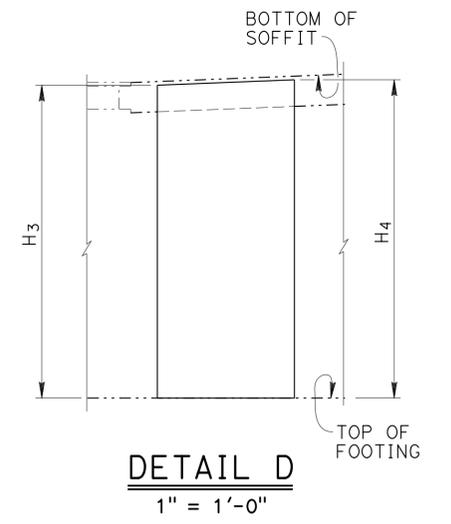
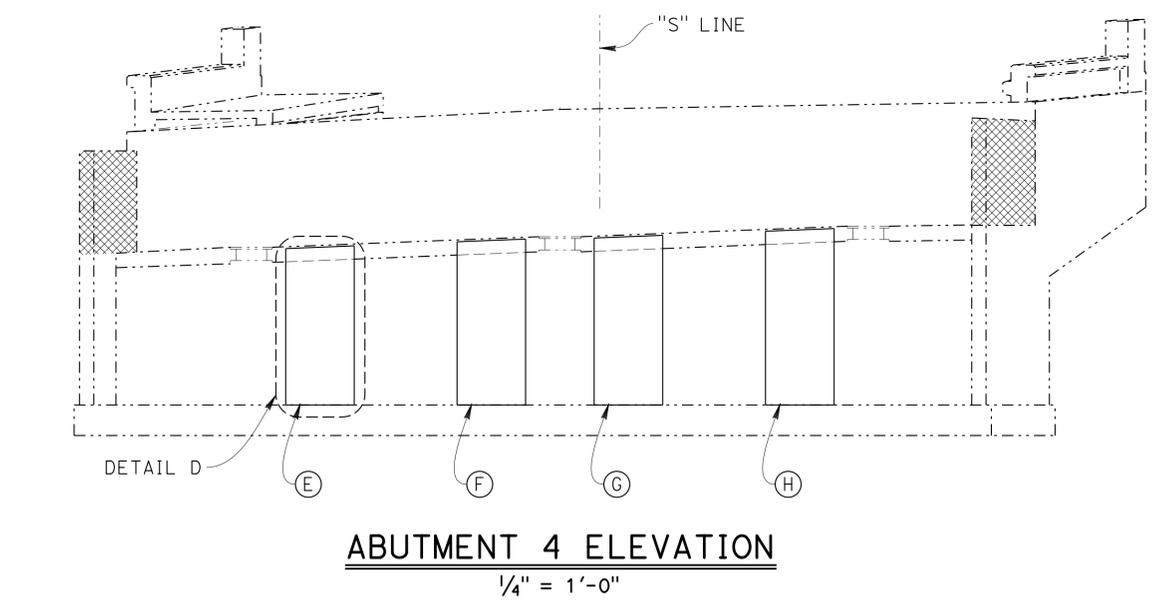


- NOTES:
- For "DETAIL B" and "VIEW K-K", see "ABUTMENT 4 DETAILS NO. 2" sheet.
 - Provide gap in abutment lumber blocking so that the existing weepholes are not blocked.
 - Remove left and right abutment closure wall to install abutment lumber blocking. Reconstruct abutment closure wall after installation of abutment lumber blocking. See "ABUTMENT CLOSURE WALL REMOVAL AND RECONSTRUCTION DETAILS" on "ABUTMENT 4 DETAILS NO. 2" sheet.
 - Abutment lumber blocking must be at least 4'-0" long.

LEGEND:
 Indicates Bridge Removal (portion)
See "ABUTMENT CLOSURE WALL REMOVAL AND RECONSTRUCTION DETAILS" on "ABUTMENT 4 DETAILS NO. 2" sheet.

DESIGNATION	H ₃ *	H ₄ *
(E)	6'-10"±	6'-11 1/4"±
(F)	7'-1 1/2"±	7'-3"±
(G)	7'-3 1/2"±	7'-4 3/4"±
(H)	7'-7"±	7'-8 1/2"±

* Approximate dimension, adjust as required to provide 1" gap between bottom of soffit and top of catcher block.



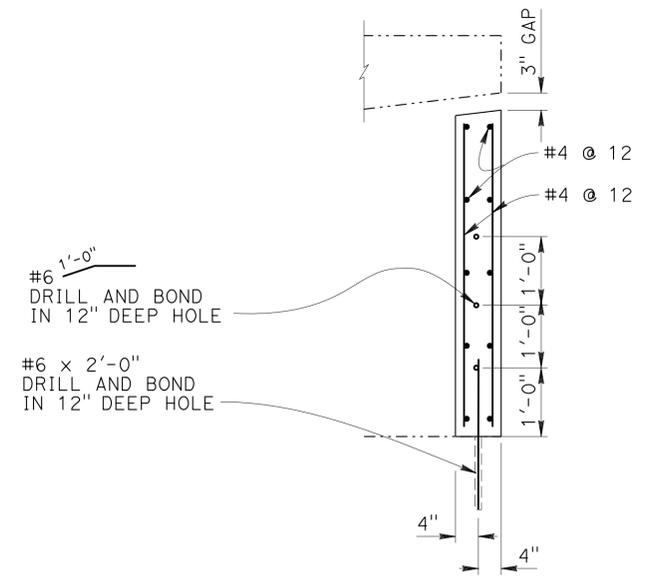
- NOTES:
- (E) Indicates Catcher Block Designation
 - ⊗ Indicates Edge of level region on existing Abutment seat

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

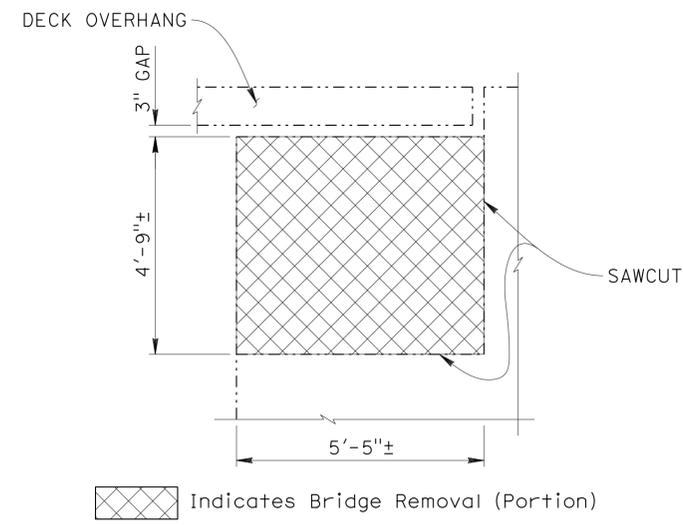
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	58	90

Manode Kodsuntie 11-16-12
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

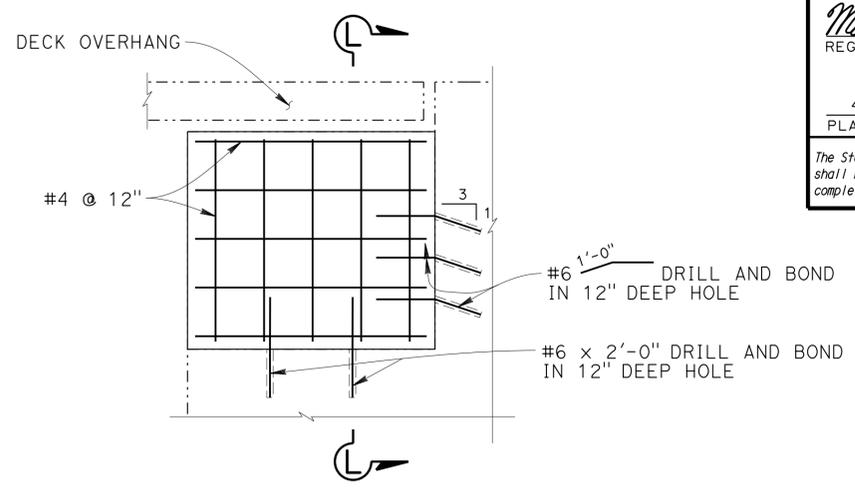
REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA



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



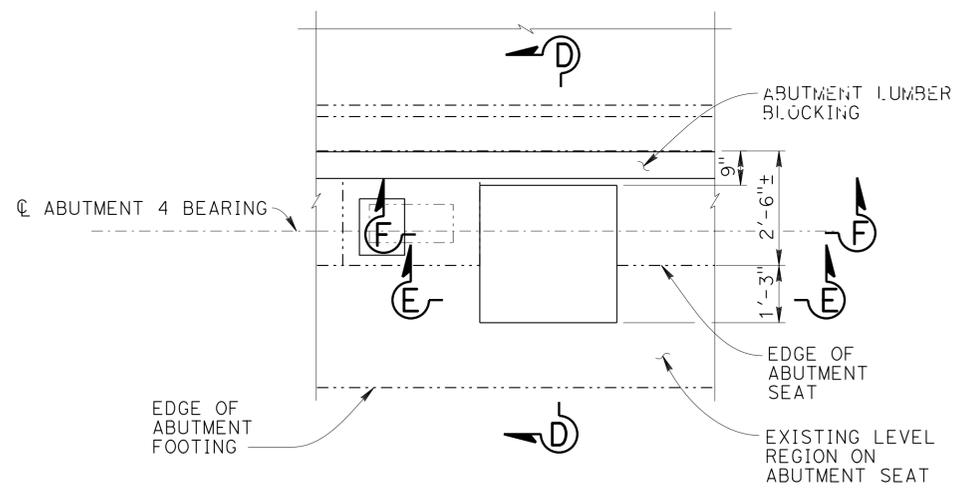
ABUTMENT CLOSURE WALL REMOVAL



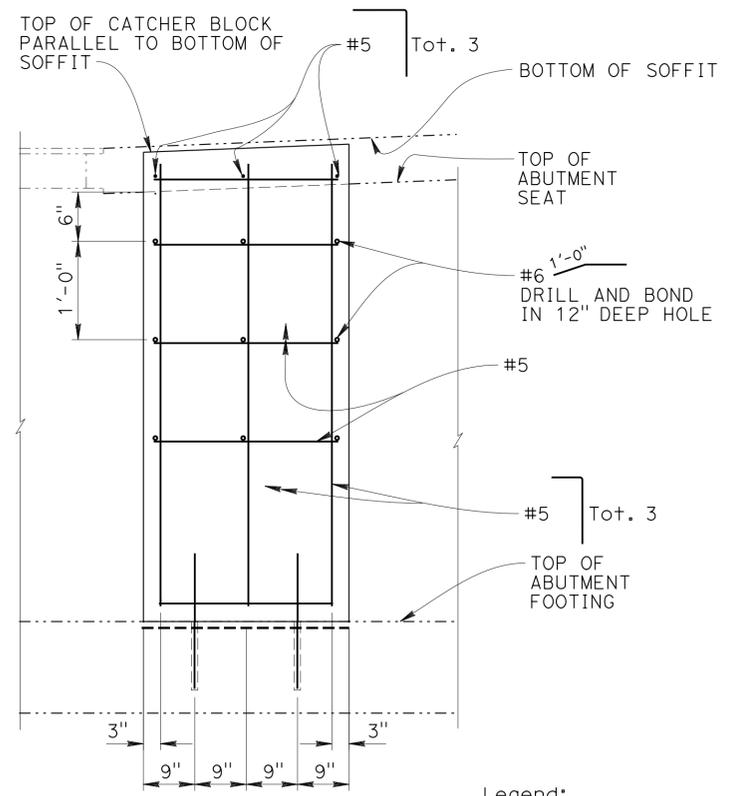
ABUTMENT CLOSURE WALL RECONSTRUCTION

VIEW K-K
1/2" = 1'-0"

Rt Abut closure wall shown,
Lt Abut closure wall similar

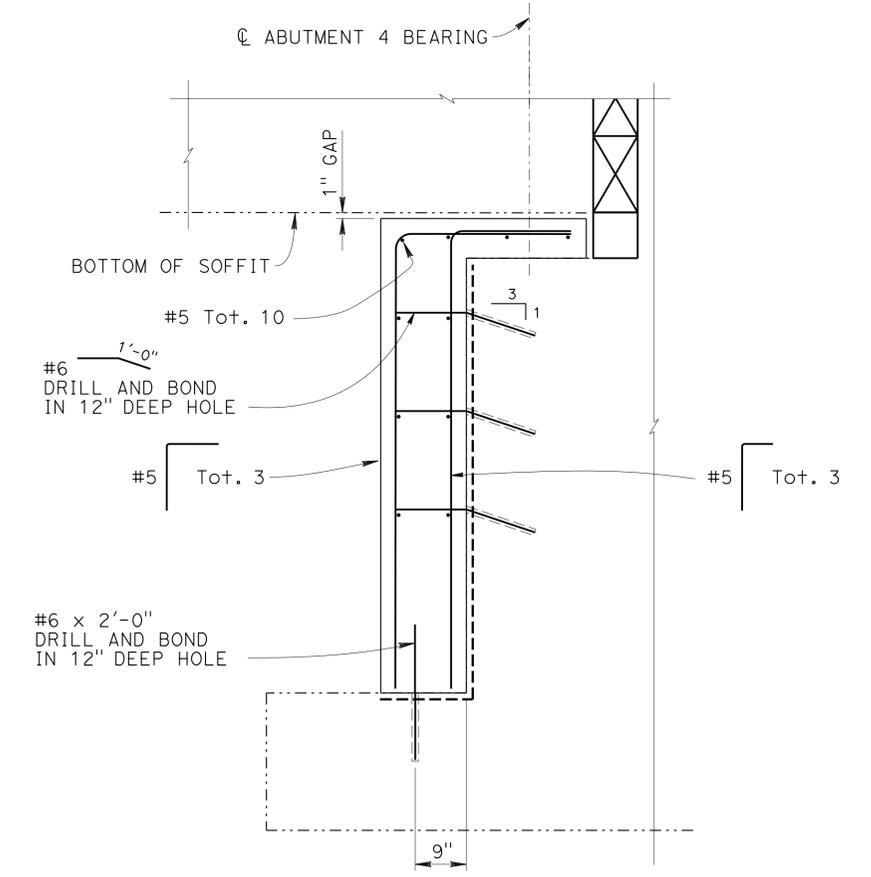


DETAIL B
1/2" = 1'-0"



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

Legend:
----- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with new concrete shall be roughened.



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

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

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

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY M. Kodsuntie	CHECKED P. Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	04-0057	SIXTH STREET OC (SEISMIC RETROFIT) ABUTMENT 4 DETAILS NO. 2	
	DETAILS	BY T. Cotton	CHECKED P. Hong			POST MILE	98.4		
	QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster			UNIT: 3592	PROJECT NUMBER & PHASE: 0100020153-1		CONTRACT NO.: 01-459701
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	SHEET 7 OF 12

FILE => 004-0057-f-abut04de+2_detail1-sheet.dgn

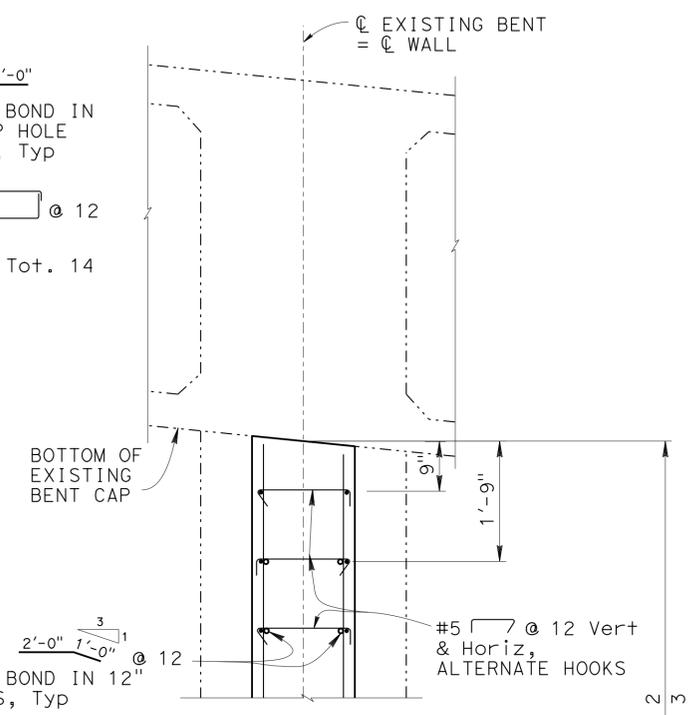
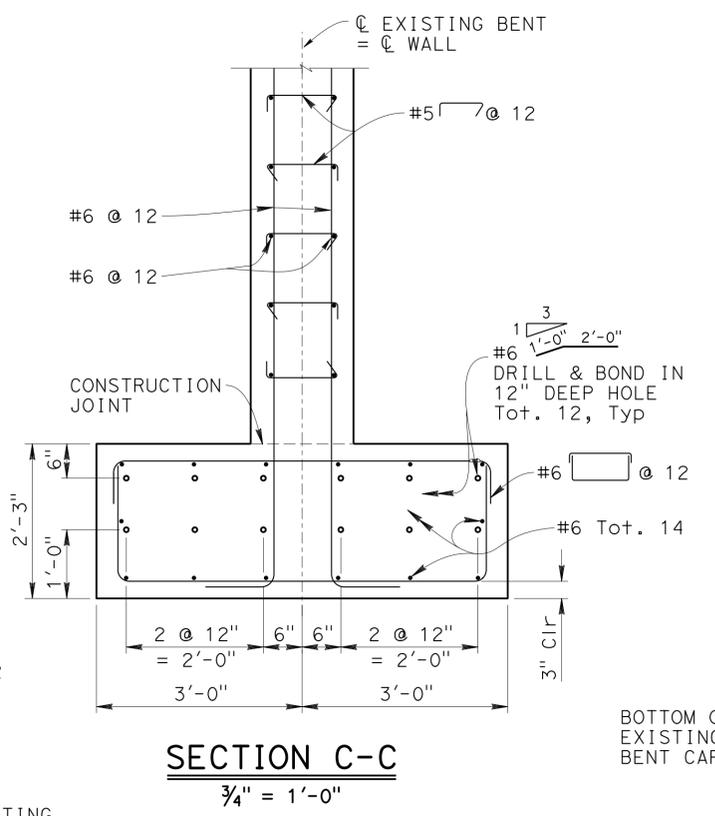
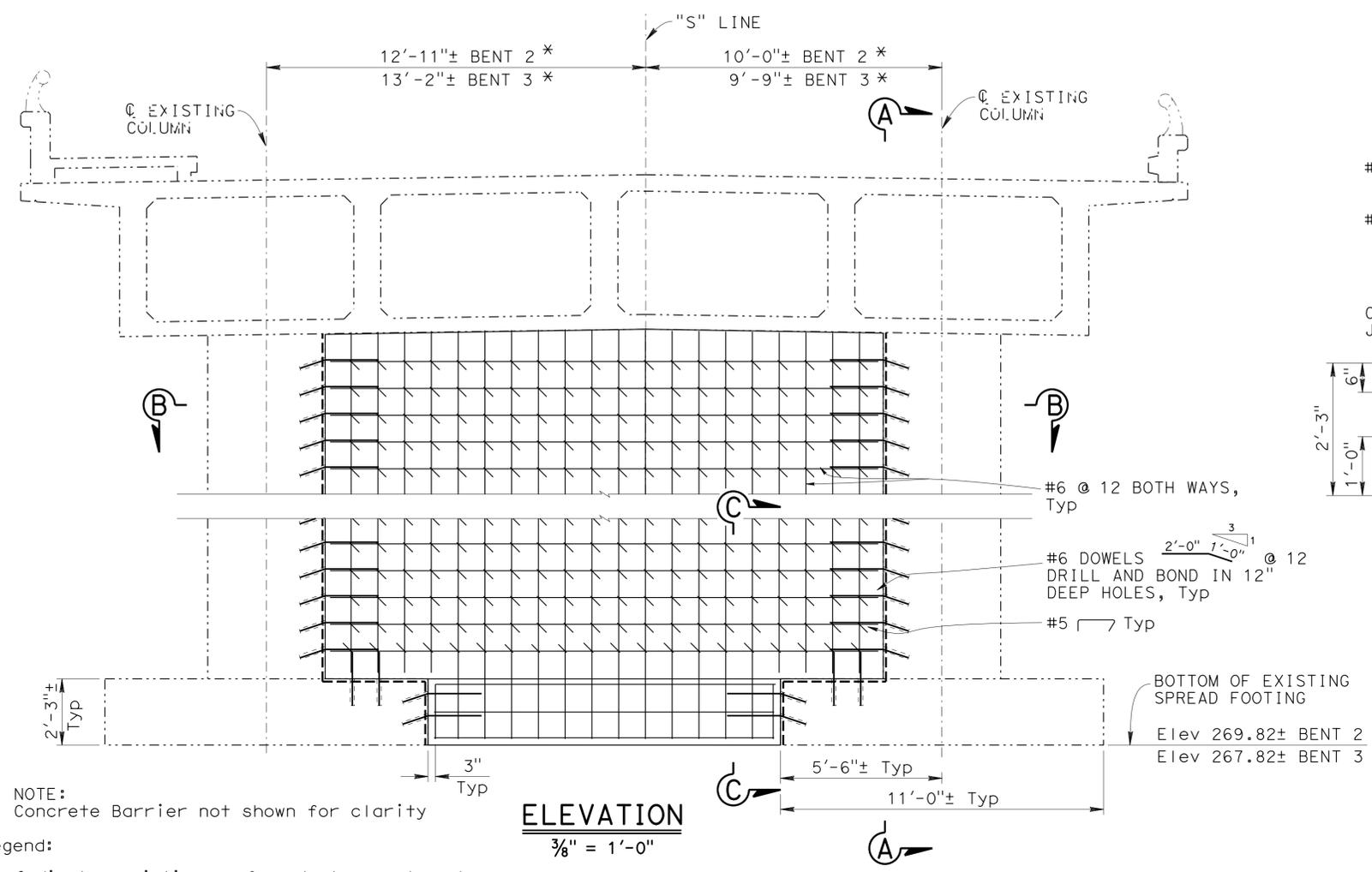
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01	Hum	101	97.7/100.7	59	90

Manode Kodsutie 11-16-12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

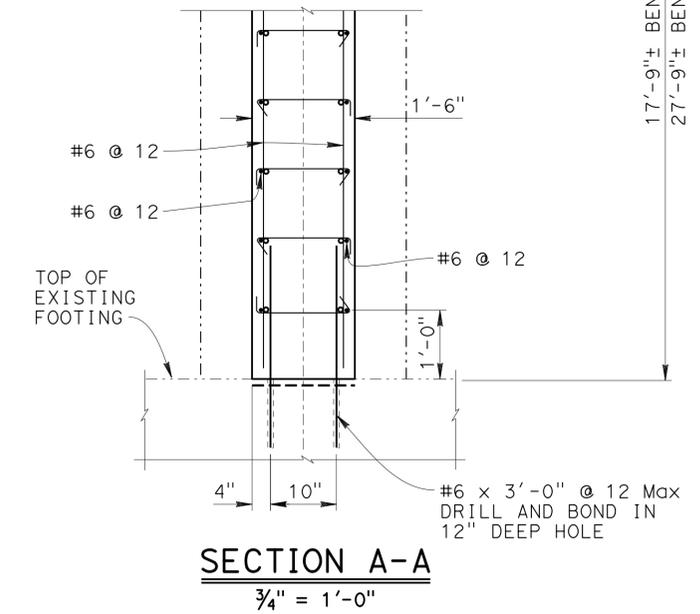
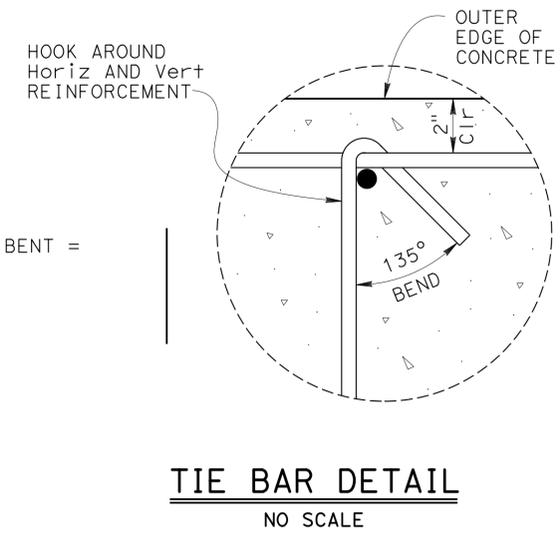
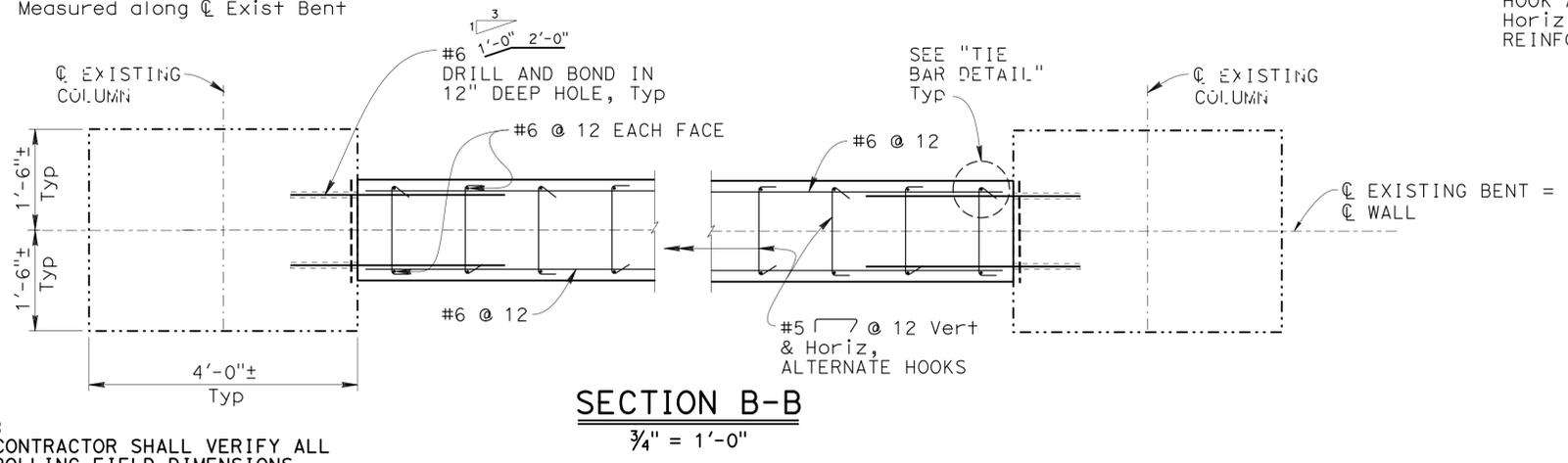
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA



NOTE:
Concrete Barrier not shown for clarity

Legend:
--- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with new concrete shall be roughened.
* Measured along CL Exist Bent



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

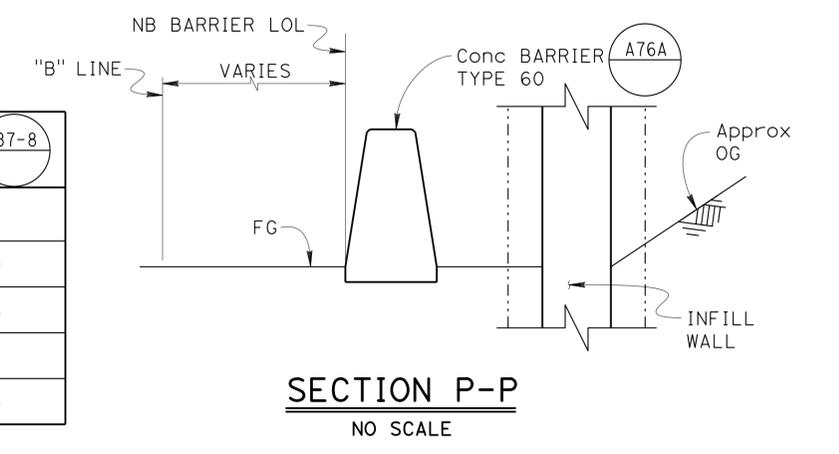
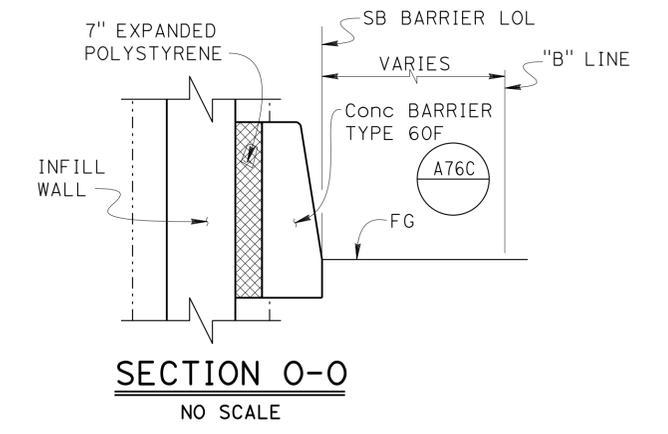
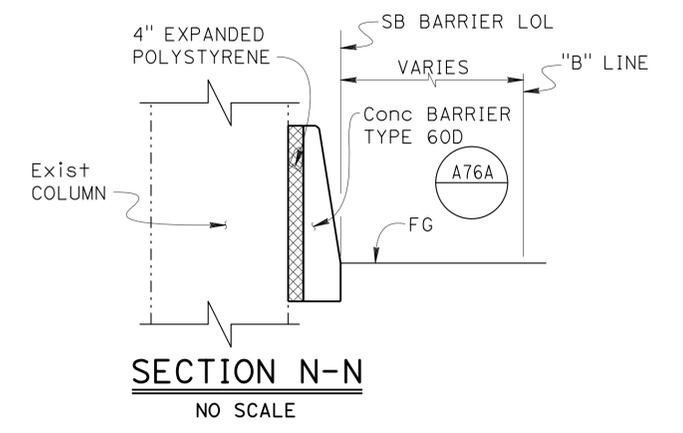
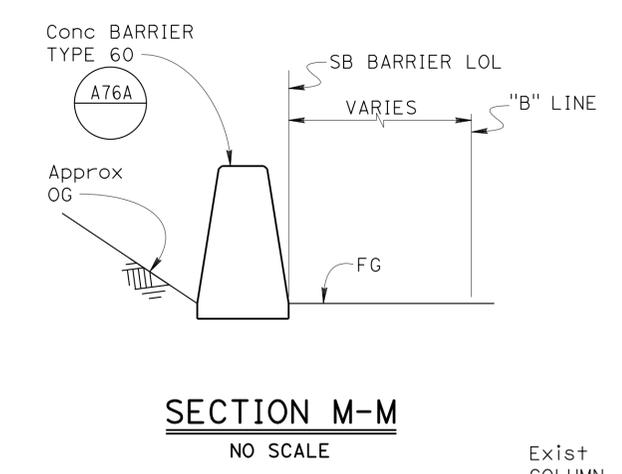
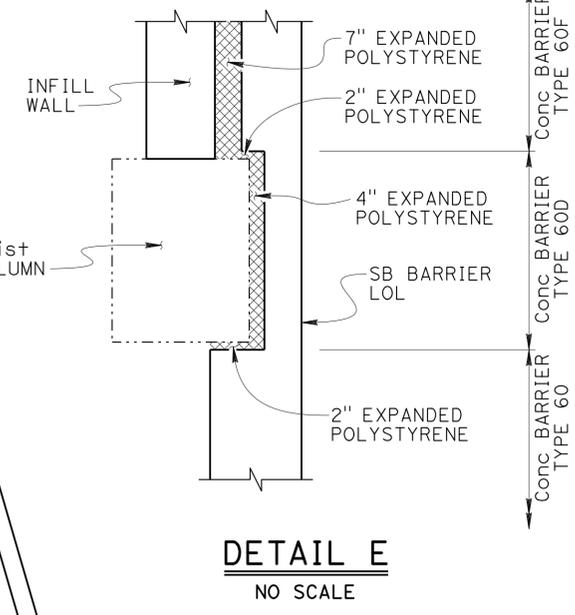
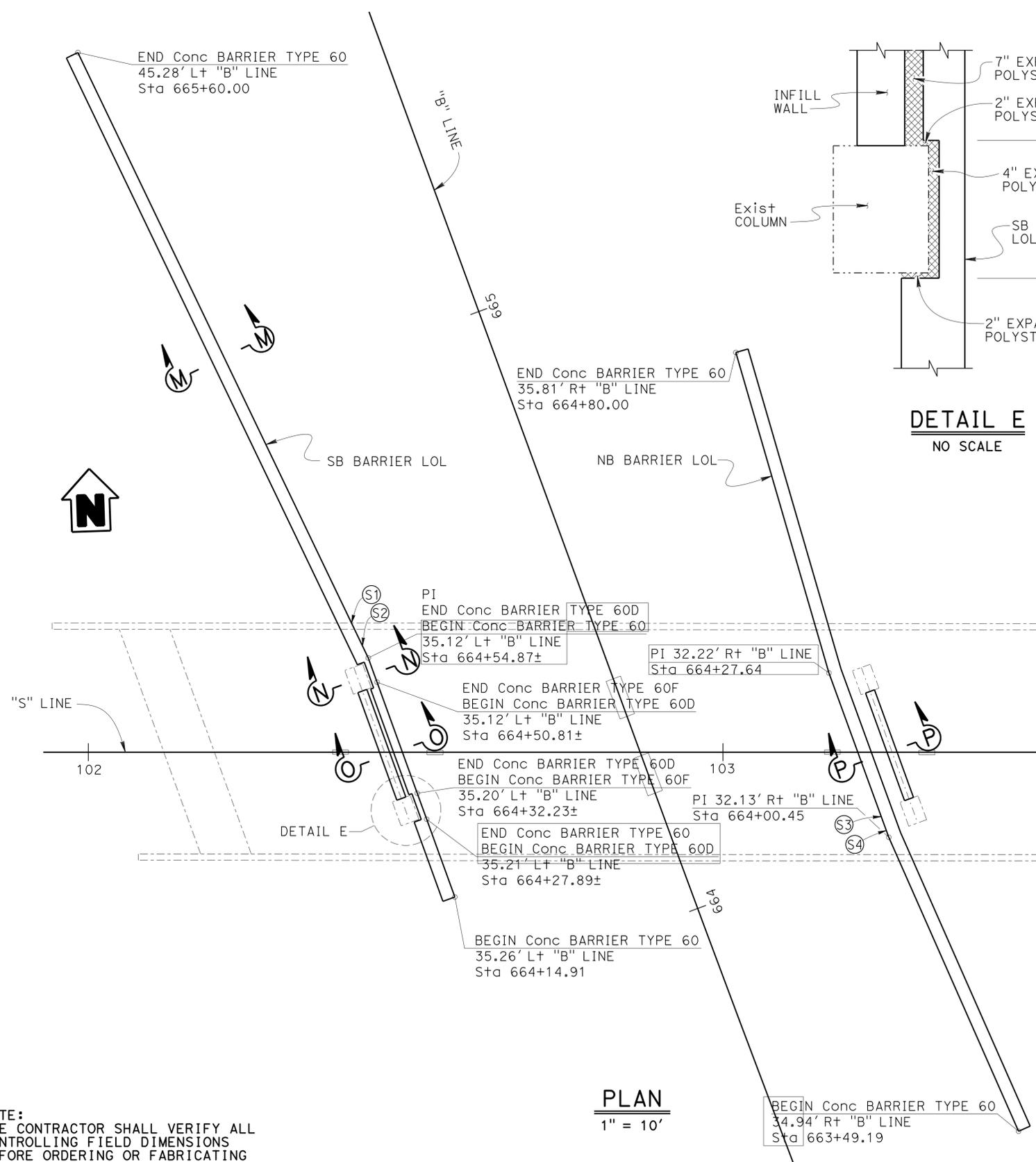
DESIGN	BY M. Kodsutie	CHECKED P. Hong
DETAILS	BY T. Cotton	CHECKED P. Hong
QUANTITIES	BY M. Kodsutie	CHECKED G. Schuster

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0057
POST MILE	98.4

SIXTH STREET OC (SEISMIC RETROFIT)
BENT DETAILS



SCUPPERS IN CONCRETE BARRIER (B7-8)	
DESIGNATION	LOCATION ALONG "B" LINE
Ⓢ1	35.71' Lt Sta 664+61.00
Ⓢ2	35.23' Lt Sta 664+56.00
Ⓢ3	32.16' Rt Sta 664+06.08
Ⓢ4	32.13' Rt Sta 664+01.00

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

PLAN
 1" = 10'

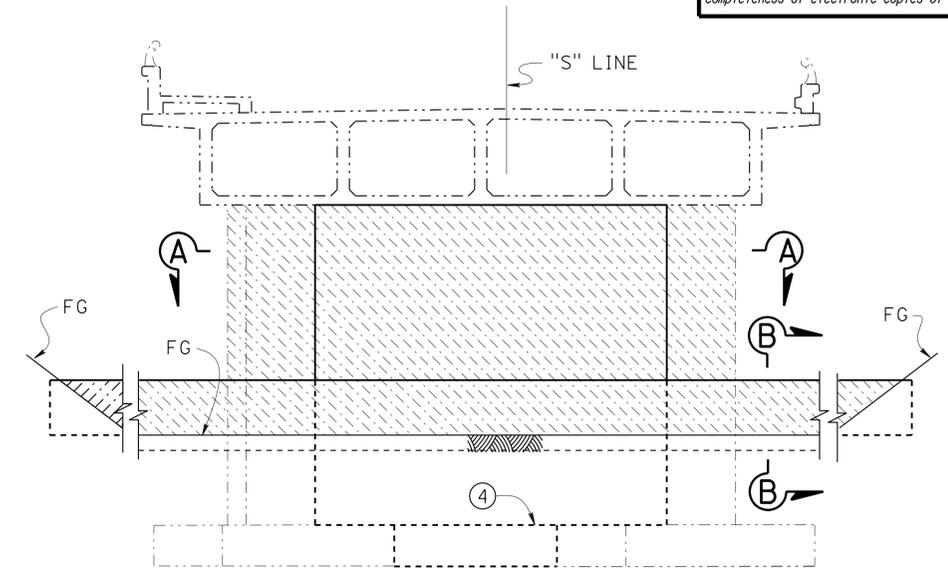
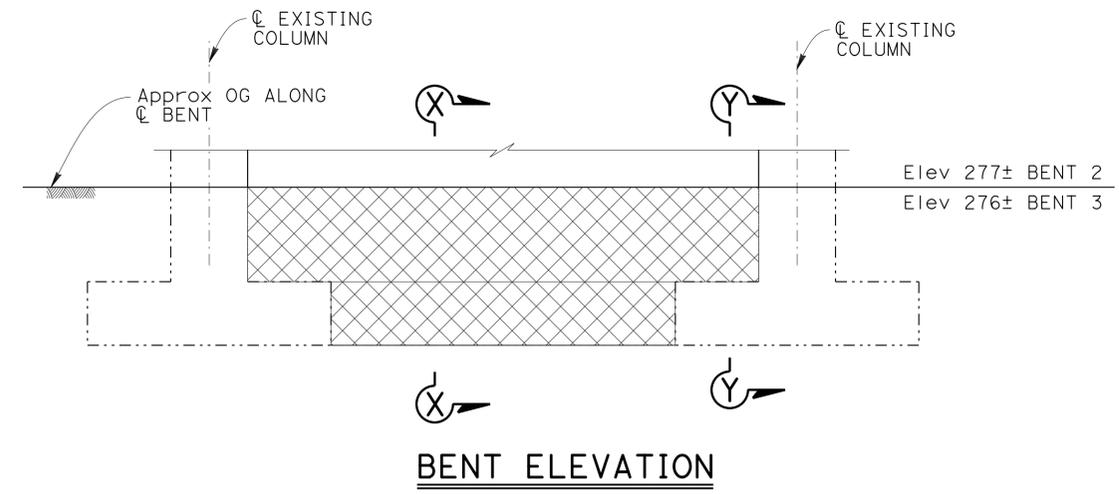
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	61	90

Manode Kodsuntie
 REGISTERED CIVIL ENGINEER 11-16-12 DATE

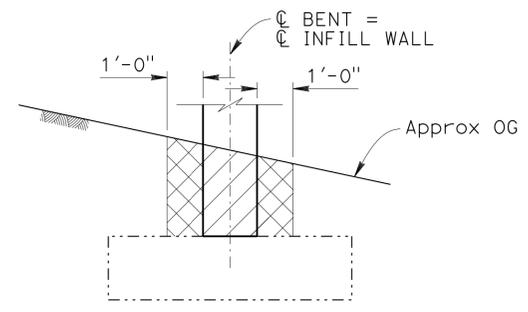
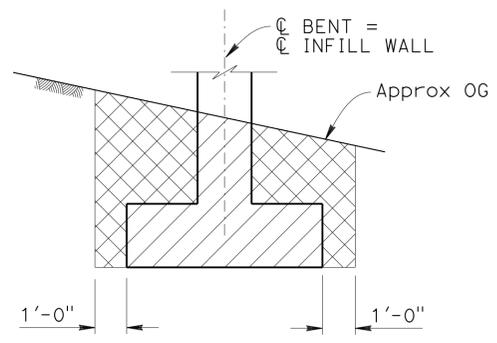
4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

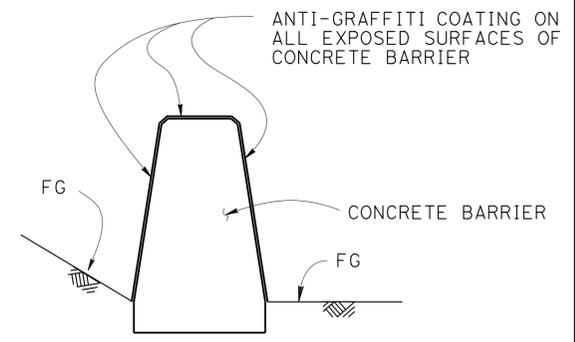
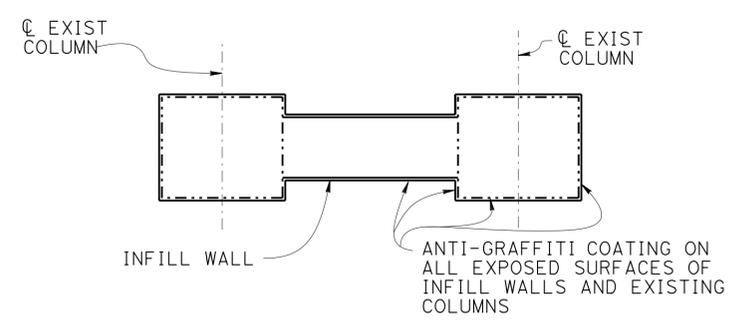
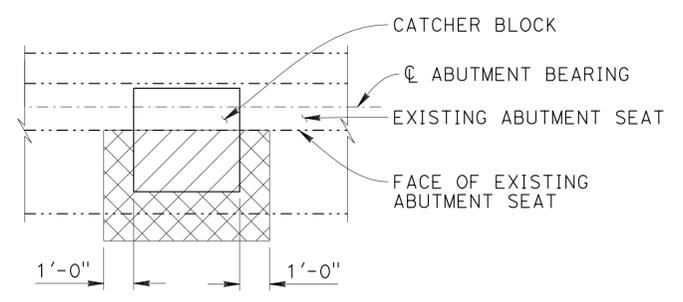
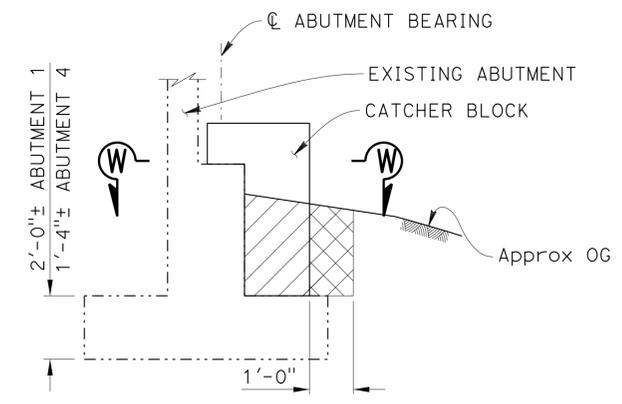
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Indicates anti-graffiti coating on all exposed surfaces of infill wall, existing columns, and concrete barriers.



LIMITS OF ANTI-GRAFFITI COATING TYPICAL SECTION
 No scale



LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL
 NO SCALE

- LEGEND:**
- Existing Structure
 - ▨ Structure Excavation, Bridge
 - ▩ Structure Backfill, Bridge

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

DESIGN	BY M. Kodsuntie	CHECKED P. Hong
DETAILS	BY T. Cotton	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
DESIGN BRANCH 7

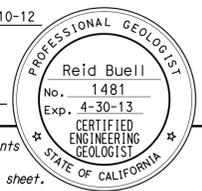
BRIDGE NO.	04-0057
POST MILE	98.4

SIXTH STREET OC (SEISMIC RETROFIT)
MISCELLANEOUS DETAILS

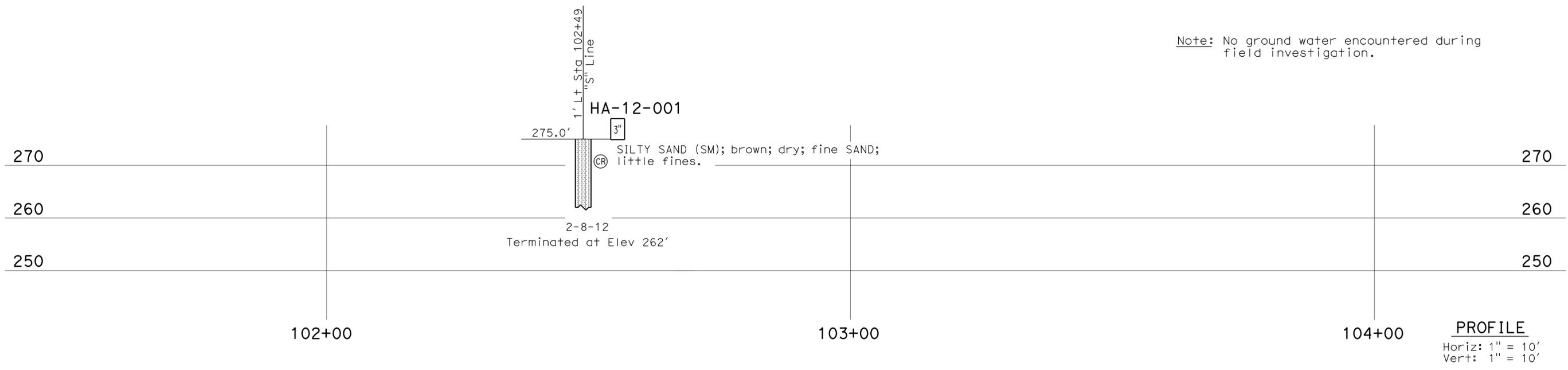
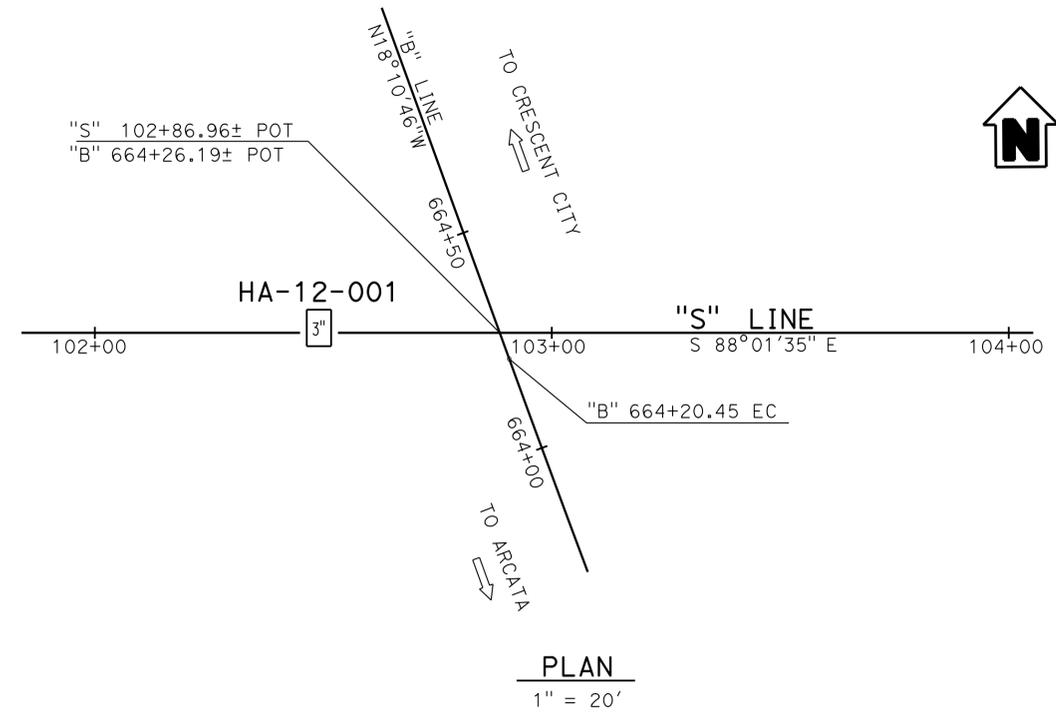
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	101	97.7/100.7	62	90


 CERTIFIED ENGINEERING GEOLOGIST 4-10-12
 4-29-13
 PLANS APPROVAL DATE
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BENCH MARK
 TBM 501 Elev 280.18'
 Fnd aluminum cap on rebar,
 5' left of Sta 102+34 "S" Line.
 NAVD88



Note: No ground water encountered during field investigation.

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X		SIXTH STREET OC (SEISMIC RETROFIT) LOG OF TEST BORINGS 1 OF 2	
FUNCTIONAL SUPERVISOR NAME: R. Bibbens	DRAWN BY: I.G-Remmen CHECKED BY: J. Martin	FIELD INVESTIGATION BY: T. Alderman		BRIDGE NO. 04-0057		POST MILE 98.4		REVISION DATES	
065 CIVIL LOG OF TEST BORINGS SHEET				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643 PROJECT NUMBER & PHASE: 01000201531		CONTRACT NO.: 01-459701	
								DISREGARD PRINTS BEARING EARLIER REVISION DATES	
								REVISION DATES	
								SHEET 11 OF 12	

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 09:35

TO ACCOMPANY PLANS DATED 4-29-13

DIVISION OF ENGINEERING SERVICES - MATERIALS AND GEOTECHNICAL SERVICES
 As-built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. It does not attest to the accuracy or validity of the information contained in the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

DIST.	COUNTY	ROUTE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
01	Hum	101	97.7/100.7	63	90

CERTIFIED ENGINEERING GEOLOGIST
 Reid Buell
 No. 1481
 Exp. 4-30-13
 CERTIFIED ENGINEERING GEOLOGIST
 STATE OF CALIFORNIA

SIXTH STREET OVERCROSSING (SEISMIC RETROFIT)
LOG OF TEST BORINGS 2 OF 2

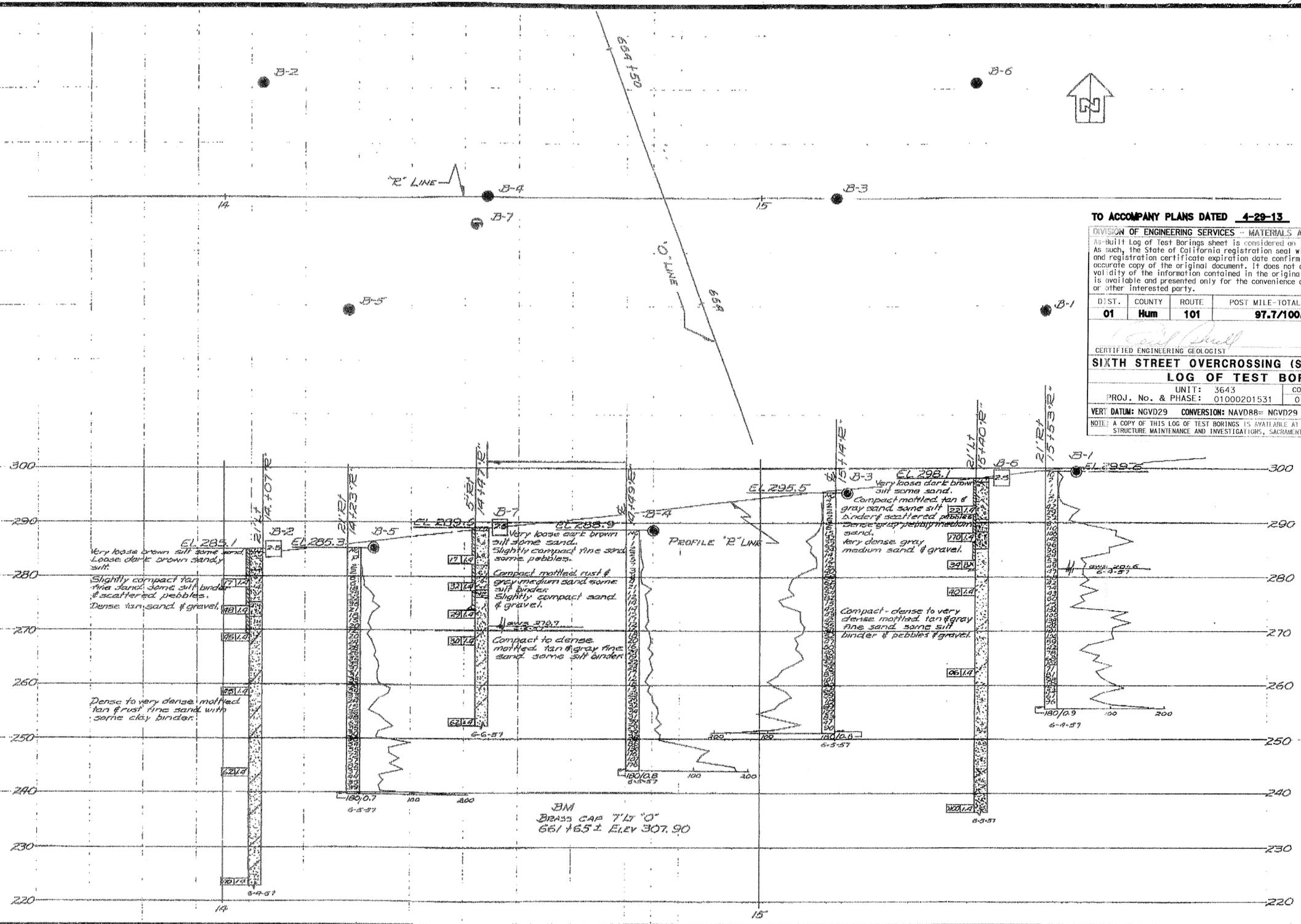
UNIT: 3643 CONTRACT No. 01-459701 BRIDGE No. 04-0057
 PROJ. No. & PHASE: 01000201531

VERT DATUM: NGVD29 CONVERSION: NAVD88- NGVD29 + 3.32 ft Sheet of
 12 12

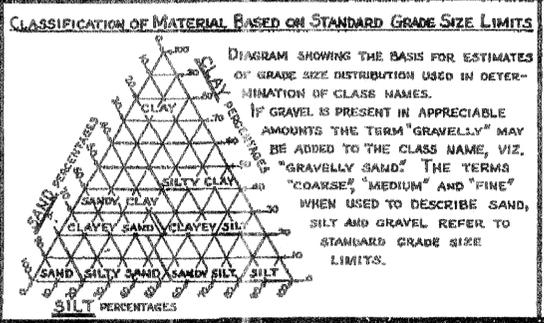
NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

BRIDGE DEPARTMENT

AS BUILT PLANS
 Contract No. 60-1TC2
 Date Completed
 Document No. 20000 982



No Changes
AS BUILT
 CORRECTIONS BY James F. McCluskey
 CONTRACT NO. 60-1TC2-E
 June 30, 1960



LEGEND OF EARTH MATERIALS

GRAVEL	SILTY CLAY OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

- PLAN OF ANY BORING
- PENETROMETER
- 2 1/2" CONE PENETROMETER
- SAMPLER BORING (DRY)
- ROTARY BORING (WET)
- AUGER BORING (DRY)
- JET BORING
- CORE BORING
- TEST PIT

The diagrams illustrate three types of boring operations: 1" SOIL TUBE, ROTARY BORING, and PENETRATION BORING. Each diagram shows the equipment used, the location of the top hole, and the method of sample collection or measurement. The 1" soil tube diagram shows a sampler being pushed into the ground. The rotary boring diagram shows a casing being driven into the ground with a sampler. The penetration boring diagram shows a sampler being pushed into the ground and the resulting soil profile.

NOTES

The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans. Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF HIGHWAYS

SIXTH STREET OVERCROSSING
LOG OF TEST BORINGS

SCALE 1" = 10' BRIDGE 4-57 FILE DRAWING 6-5517-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	64	90

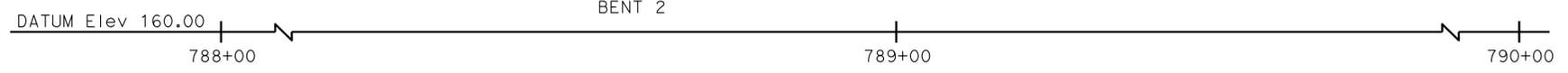
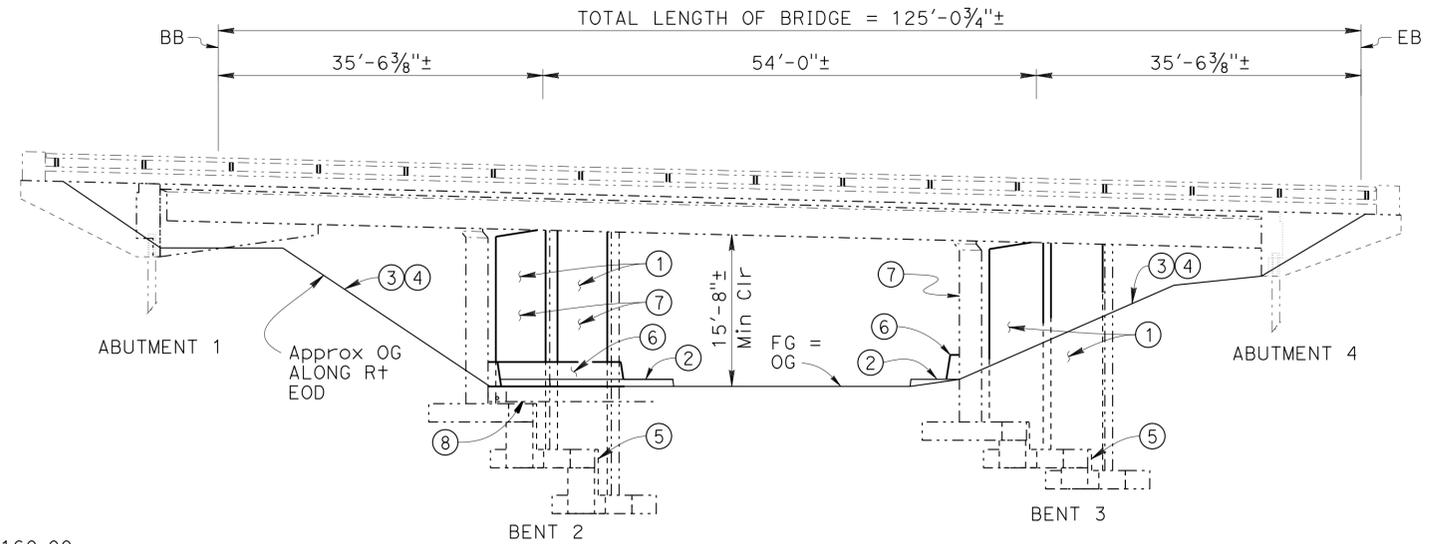
Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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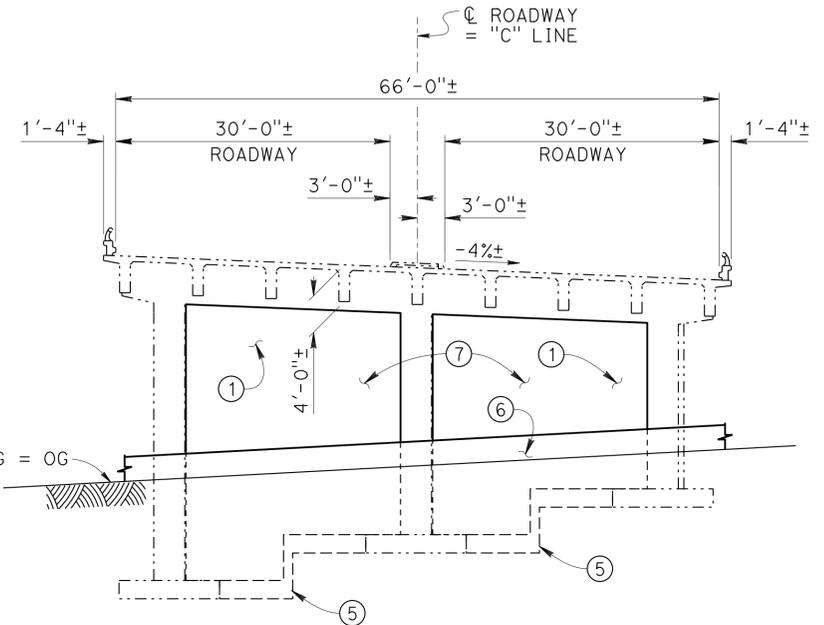
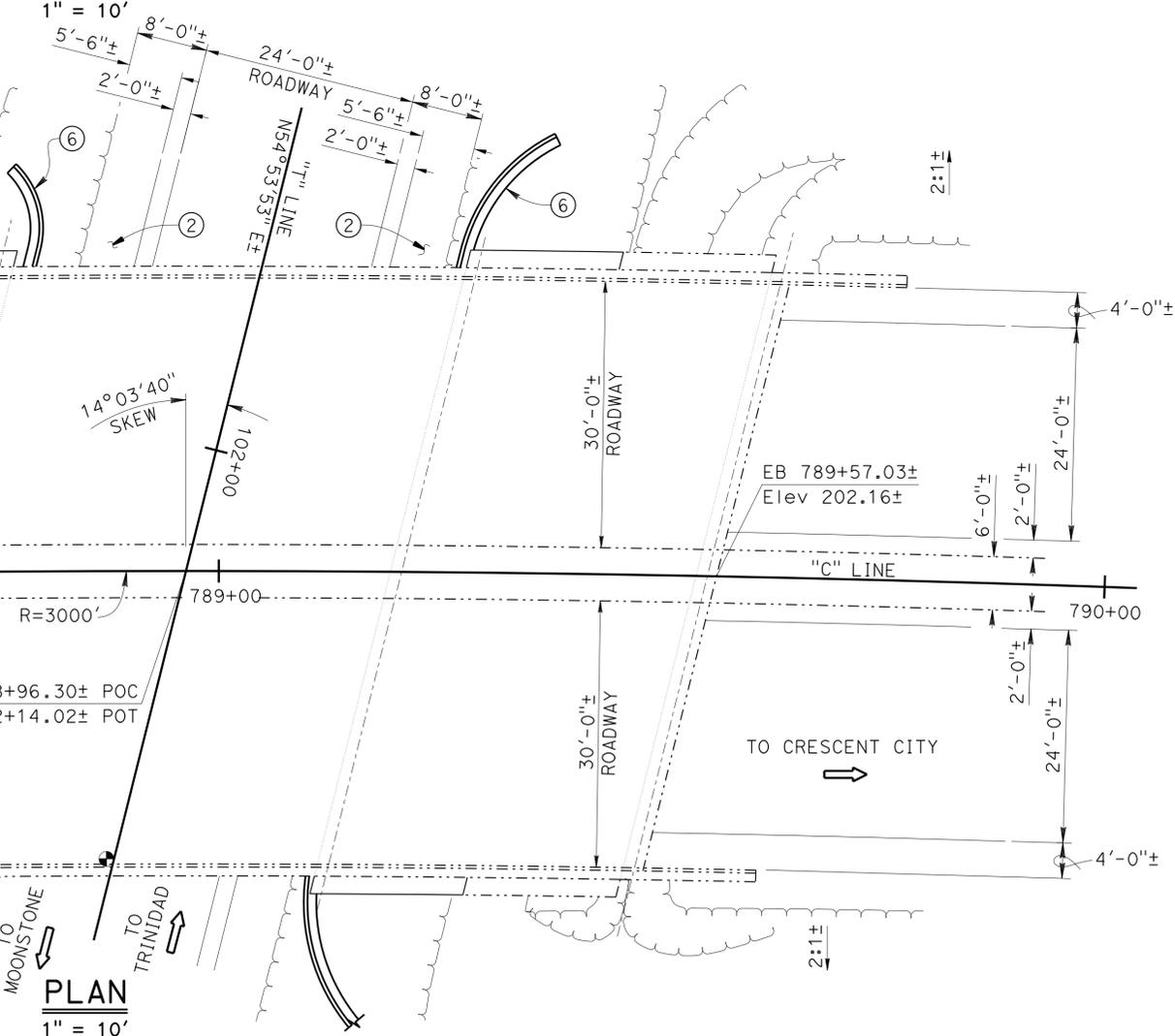
QUANTITIES	LUMP SUM
BRIDGE REMOVAL (PORTION), LOCATION C	180 CY
STRUCTURE EXCAVATION (BRIDGE)	120 CY
STRUCTURE BACKFILL (BRIDGE)	21 CY
STRUCTURAL CONCRETE, BRIDGE FOOTING	122 CY
STRUCTURAL CONCRETE, BRIDGE	1,504 SQFT
FORMED RELIEF TEXTURE	458 LF
DRILL AND BOND DOWEL	23,822 LB
BAR REINFORCING STEEL (BRIDGE)	9,825 SQFT
ANTI-GRAFFITI COATING	25 CY
SLOPE PAVING (CONCRETE)	224 LF
CONCRETE BARRIER (TYPE 732B MODIFIED)	



CURVE DATA

"C" Line
 R = 3000.00'
 $\Delta = 10^\circ 11' 50''$
 T = 267.67'
 L = 533.92'

ELEVATION



TYPICAL SECTION

- NOTES:
- Construct infill walls between columns
 - Remove and place sidewalk, see "Road Plans"
 - Remove portion of concrete slope paving
 - Construct portion of concrete slope paving
 - Infill wall footing
 - Concrete Barrier Type 732B (Mod)
 - Formed relief texture on traffic side of infill walls
 - Existing underdrain to be removed and replaced with Structure Backfill, see "Road Plans"

For General Notes, Index To Plans, Standard Plans List and Quantities, see "INDEX TO PLANS" sheet

- LEGEND:
- Indicates existing structure
 - ⊕ Minimum vertical clearance

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

Kelly Ann Holden DESIGN ENGINEER	DESIGN	BY G. Schuster	CHECKED P. Hong	LOAD & RESISTANCE FACTOR DESIGN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0058	TRINIDAD ROAD UC (SEISMIC RETROFIT) GENERAL PLAN	
	DETAILS	BY G. M. Souza/T. Cotton	CHECKED P. Hong	LAYOUT		BY G. Schuster	CHECKED P. Hong		POST MILE 100.71
	QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson	SPECIFICATIONS		BY M. Kopsa	PLANS AND SPECS COMPARED		M. Kopsa

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	65	90

Mamode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

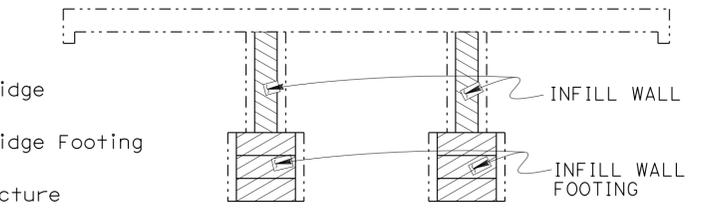
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LEGEND:

Structural Concrete, Bridge (3600 psi at 28 days)

Structural Concrete, Bridge Footing (3600 psi at 28 days)

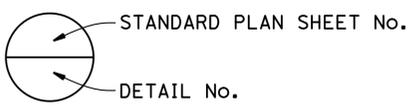
----- Indicates Existing Structure



CONCRETE STRENGTH AND TYPE LIMITS
 NO SCALE

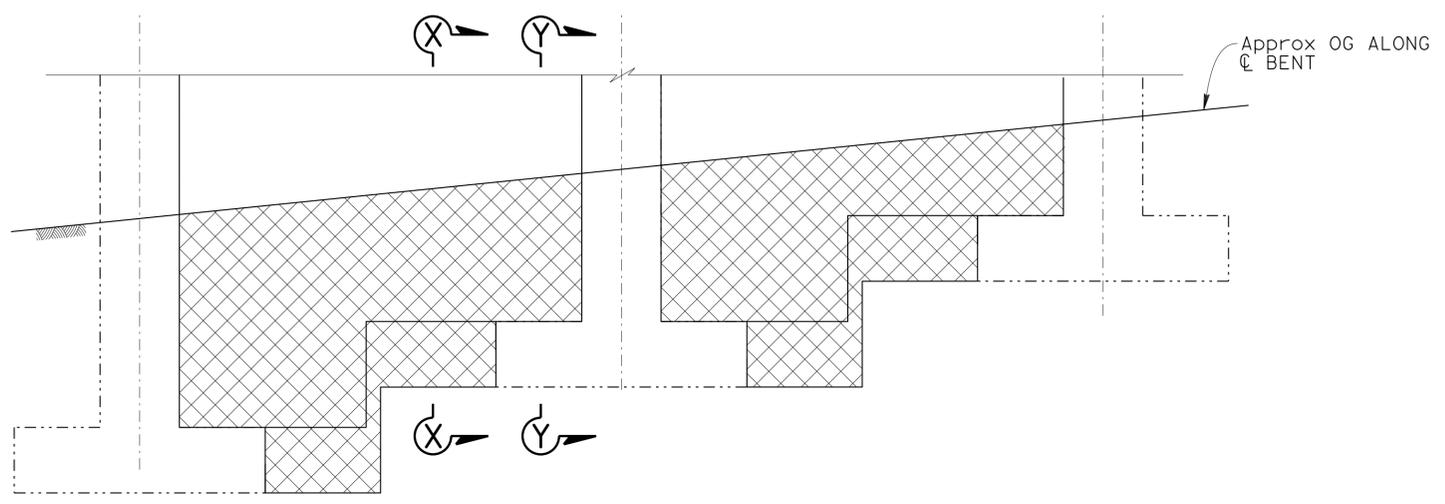
STANDARD PLANS DATED 2010

- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)
- B11-55 CONCRETE BARRIER TYPE 732
- B7-8 DECK DRAINAGE DETAILS

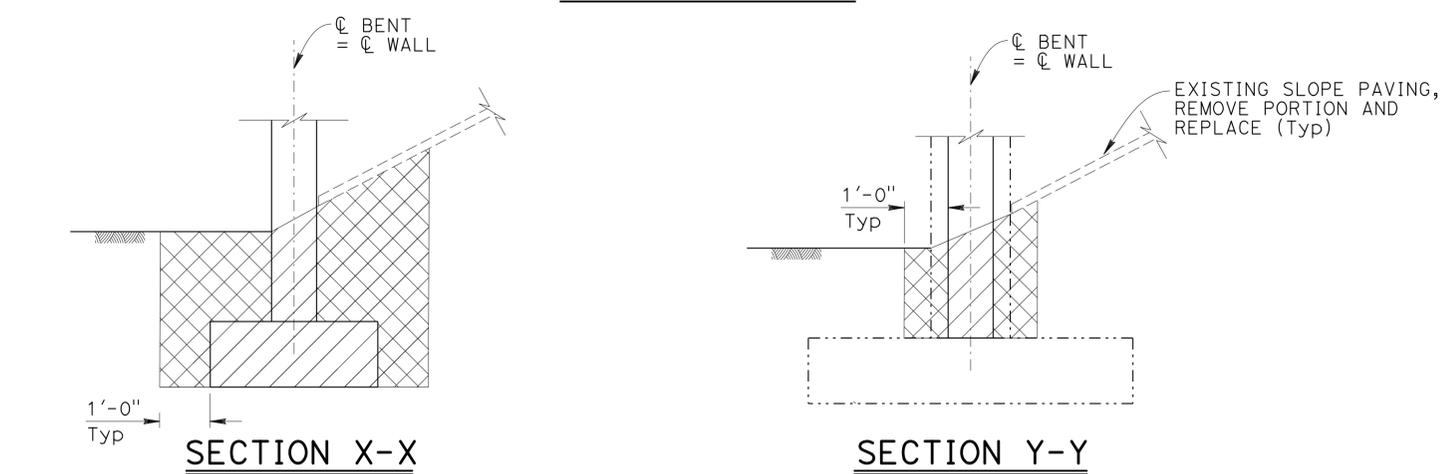


INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	INDEX TO PLANS
3	FOUNDATION PLAN
4	BENT DETAILS NO. 1
5	BENT DETAILS NO. 2
6	SLOPE PAVING DETAILS NO. 1
7	SLOPE PAVING DETAILS NO. 2
8	ARCHITECTURAL TEXTURE
9	INFLILL WALL 1 ARCHITECTURAL DETAILS NO. 1
10	INFLILL WALL 1 ARCHITECTURAL DETAILS NO. 2
11	INFLILL WALL 1 ARCHITECTURAL DETAILS NO. 3
12	INFLILL WALL 2 ARCHITECTURAL DETAILS NO. 1
13	INFLILL WALL 2 ARCHITECTURAL DETAILS NO. 2
14	INFLILL WALL 2 ARCHITECTURAL DETAILS NO. 3
15	INFLILL WALL 3 ARCHITECTURAL DETAILS NO. 1
16	INFLILL WALL 3 ARCHITECTURAL DETAILS NO. 2
17	INFLILL WALL 3 ARCHITECTURAL DETAILS NO. 3
18	INFLILL WALL 4 ARCHITECTURAL DETAILS NO. 1
19	INFLILL WALL 4 ARCHITECTURAL DETAILS NO. 2
20	INFLILL WALL 4 ARCHITECTURAL DETAILS NO. 3
21	BARRIER DETAILS NO. 1
22	BARRIER DETAILS NO. 2
23	LOG OF TEST BORINGS 1 OF 2
24	LOG OF TEST BORINGS 2 OF 2



BENT ELEVATION



LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL
 NO SCALE

LEGEND:

Structure Excavation, Bridge

Structure Backfill, Bridge

----- Indicates Existing Structure

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:
 AASHTO LRFD Bridge Design Specifications, 4th edition and the Caltrans Amendments preface dated December 2008.

SEISMIC DESIGN:
 Caltrans Seismic Design Criteria (SDC), Version 1.6 dated November 2010.

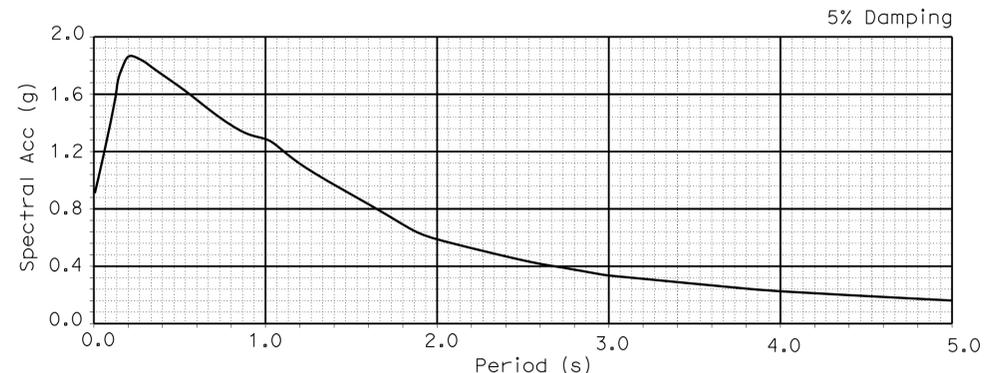
SEISMIC LOADING:
 Peak Ground Acceleration 0.7 g
 Site specific ARS Curve (See "ARS Curve")

CONCRETE:
 (New Construction): $f_y = 60$ ksi
 $f'_c = 3.6$ ksi
 $n = 8$

Existing (Assumed for retrofit):
 $f_y = 44$ ksi
 $f'_c = 5$ ksi
 $n = 7$

STRUCTURAL STEEL:
 $f_y =$ ASTM A709 Grade 36

INFLILL WALL FOOTING PRESSURE:
 Factored Gross Nominal Bearing Resistance = 18 ksf (Extreme Event)



ARS Curve

DESIGN BY G. Schuster	CHECKED P. Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO. 04-0058	TRINIDAD ROAD UC (SEISMIC RETROFIT)
DETAILS BY T. Cotton / G. Dickerson	CHECKED P. Hong		DESIGN BRANCH 7	POST MILE 100.71	
QUANTITIES BY M. Kodsuntie	CHECKED G. Dickerson		PROJECT NO. & PHASE: 0100020153 1	CONTRACT NO.: 01-459701	REVISION DATES

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 3592

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 01-18-12, 09-24-12, 11-15-12

FILE => 004-0058-b-b1+p_detail-sheet.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	66	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

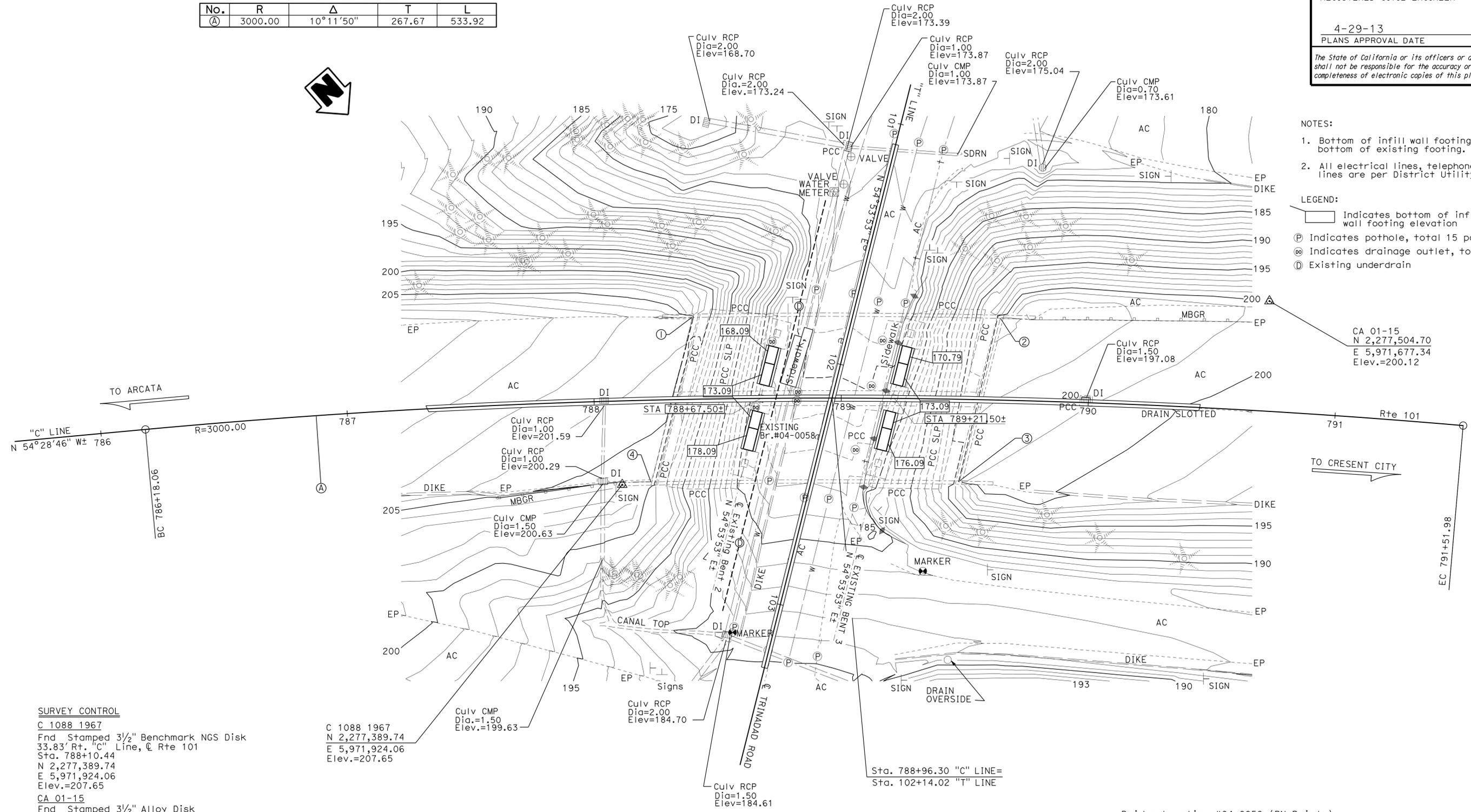
4-29-13
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

CURVE DATA

No.	R	Δ	T	L
(A)	3000.00	10°11'50"	267.67	533.92



- NOTES:**
- Bottom of infill wall footing to match bottom of existing footing.
 - All electrical lines, telephone lines and water lines are per District Utility map
- LEGEND:**
- Indicates bottom of infill wall footing elevation
 - ⊙ Indicates pothole, total 15 potholes shown
 - ⊕ Indicates drainage outlet, total 7 outlets shown
 - Ⓧ Existing underdrain

CA 01-15
 N 2,277,504.70
 E 5,971,677.34
 Elev.=200.12

SURVEY CONTROL

C 1088 1967
 Fnd Stamped 3/2" Benchmark NGS Disk
 33.83' Lt. "C" Line, & Rte 101
 Sta. 788+10.44
 N 2,277,389.74
 E 5,971,924.06
 Elev.=207.65

CA 01-15
 Fnd Stamped 3/2" Alloy Disk
 44.45' Lt. "C" Line, & Rte 101
 Sta. 790+70.78
 N 2,277,504.70
 E 5,971,677.34
 Elev.=200.12

C 1088 1967
 N 2,277,389.74
 E 5,971,924.06
 Elev.=207.65

Culv RCP Dia=1.00 Elev=201.59
 Culv RCP Dia=1.00 Elev=200.29
 Culv CMP Dia=1.50 Elev=200.63
 Culv RCP Dia=1.50 Elev=199.63
 Culv RCP Dia=2.00 Elev=184.70
 Culv RCP Dia=1.50 Elev=184.61

- Bridge Location #04-0058 (PN Points)
- 33.07 Lt. "C" Line, Sta 788+40.15, Elev.=206.37±
 - 32.99 Lt. "C" Line, Sta 789+63.70, Elev.=203.34±
 - 32.87 Rt. "C" Line, Sta 789+48.62, Elev.=201.08±
 - 32.92 Rt. "C" Line, Sta 788+22.16, Elev.=204.24±

PRELIMINARY INVESTIGATION SECTION				DESIGN BY G. Schuster	CHECKED P. Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0058	TRINIDAD ROAD UC (SEISMIC RETROFIT) FOUNDATION PLAN				
SCALE 1"=20'	VERT. DATUM NAVD88	PHOTOGRAMMETRY AS OF: X	DETAILS BY T. Cotton	CHECKED P. Hong	POST MILE 100.71								
ALIGNMENT TIES Dist. Traverse Sheet	SURVEYED BY X	CHECKED BY John Borden 01/2012	QUANTITIES BY M. Kodsuntie	CHECKED G. Dickerson									
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3592	PROJECT NO. & PHASE: 0100020153 1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3	OF 24

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	67	90

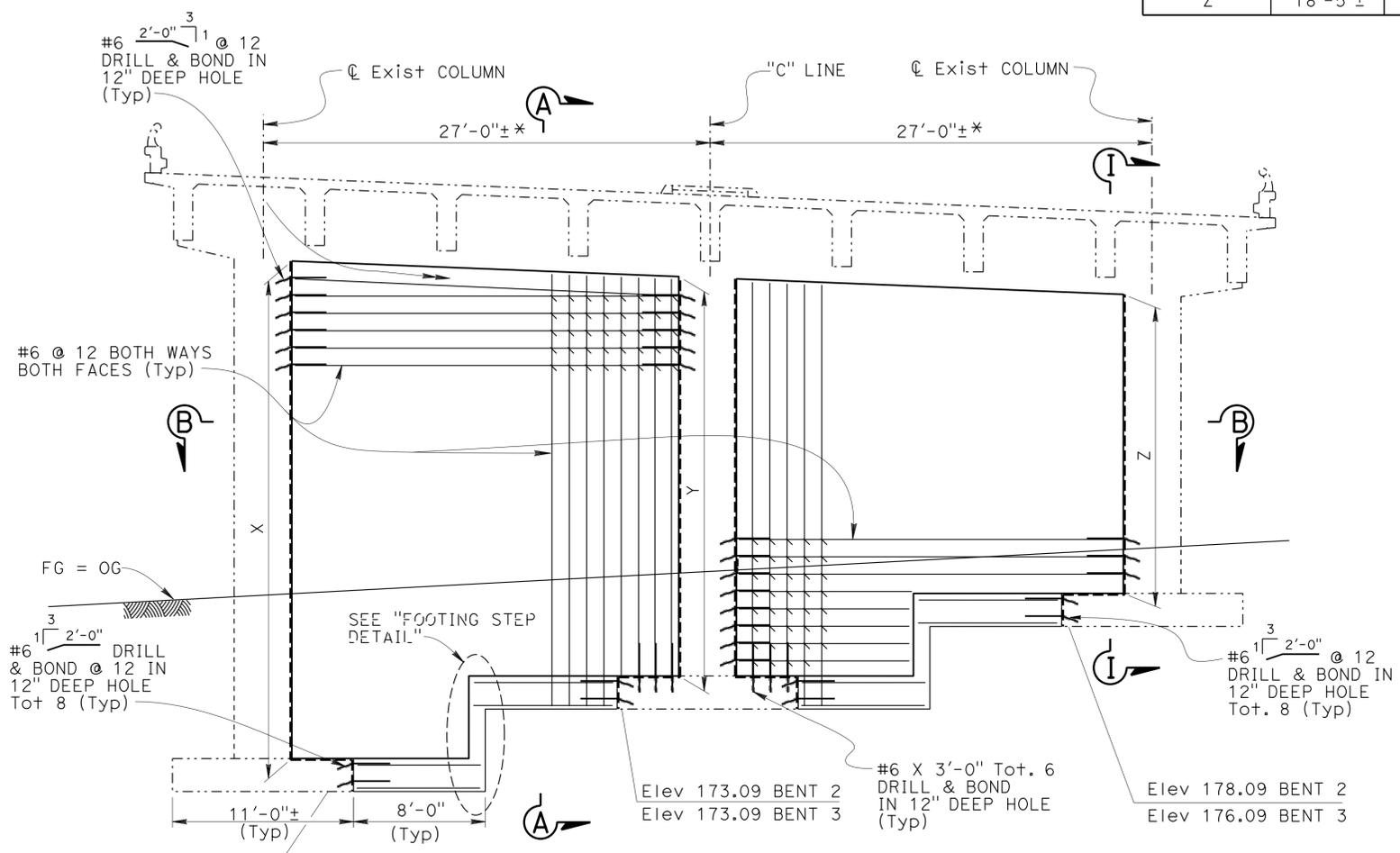
Manode Kodsuntie -16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

DIMENSION TABLE		
Dimension	Bent 2	Bent 3
X	30'-3 1/2"±	26'-2"±
Y	24'-3 1/2"±	22'-11"±
Z	18'-5"±	19'-3"±



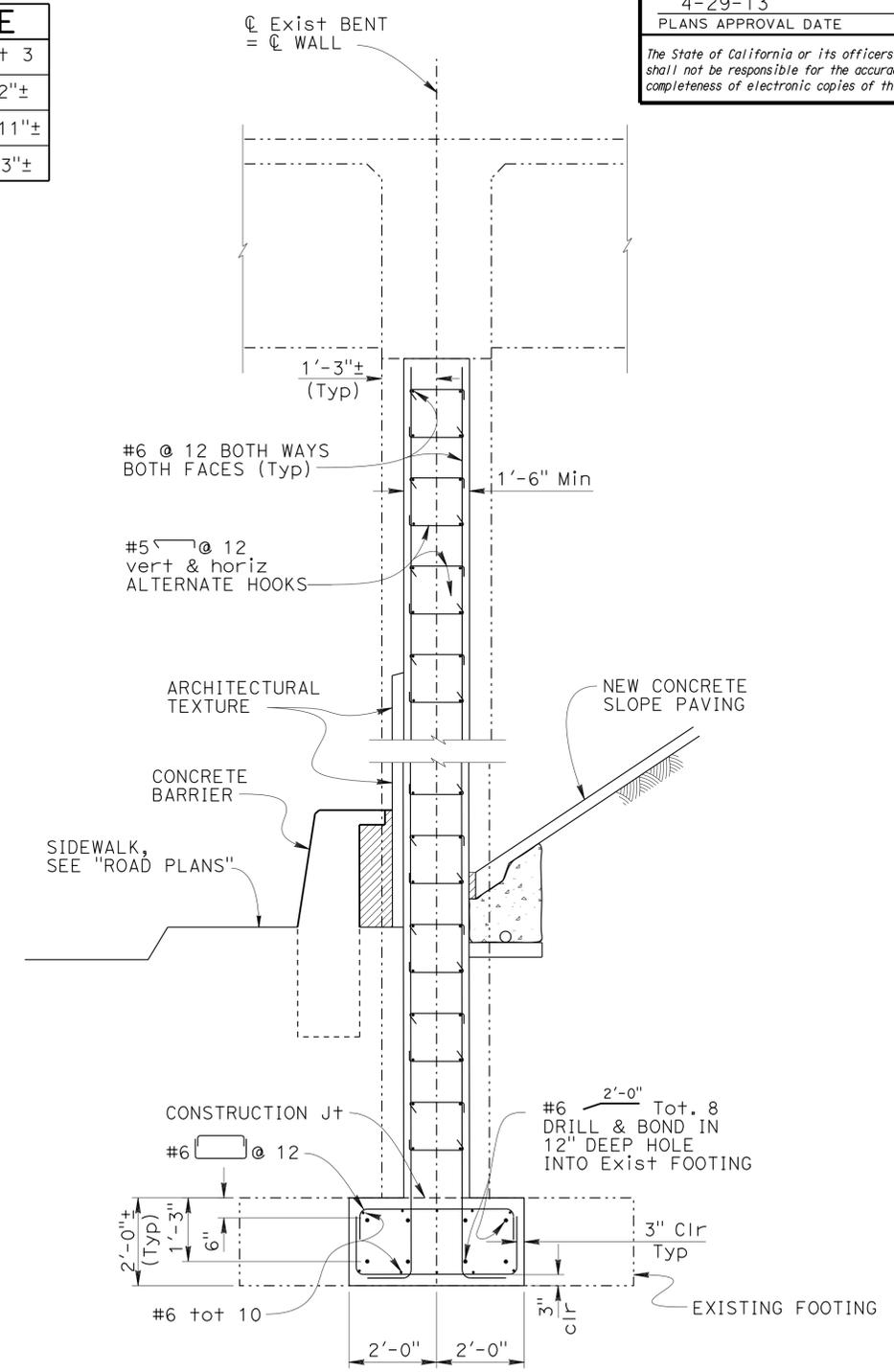
ELEVATION
 1" = 5'-0"

NOTES:
 Not all reinforcement shown.
 Bent 3 shown, Bent 2 similar
 Concrete barrier not shown for clarity
 * Measured along CL Existing Bent

LEGEND:
 ----- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with new concrete shall be roughened.

NOTE:
 For "Section B-B", "Section I-I" and "Footing Step Detail", see "BENT DETAILS NO. 2" sheet.

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



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

DESIGN	BY G. Schuster	CHECKED P. Hong
DETAILS	BY T. Cotton / G. Dickerson	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
 DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
 BENT DETAILS NO. 1

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3592
 PROJECT NO. & PHASE: 0100020153 1
 CONTRACT NO.: 01-459701

REVISION DATES	SHEET	OF
01-28-12	4	24

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 09:35

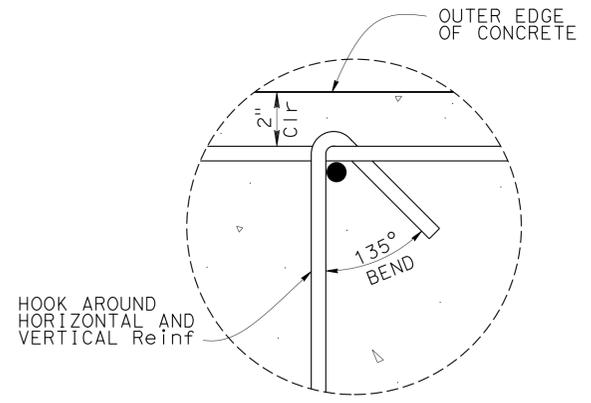
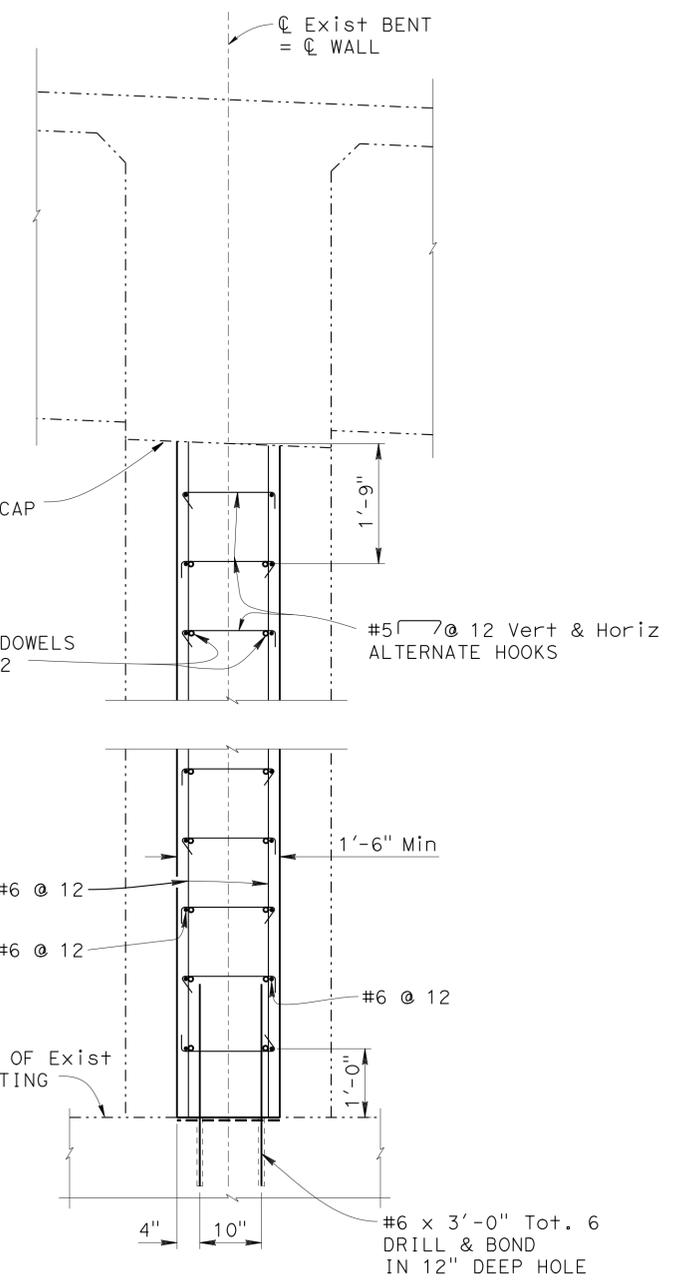
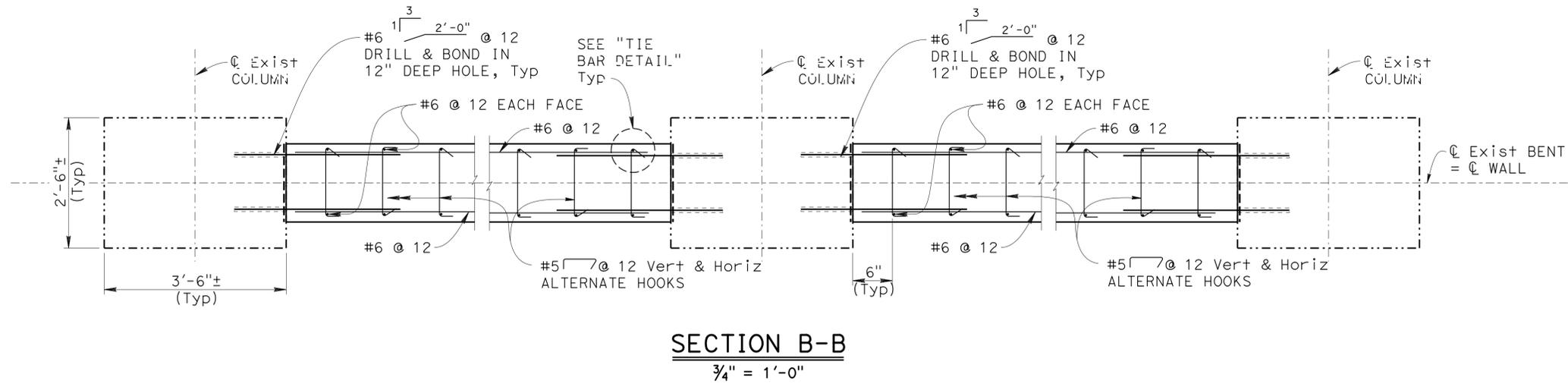
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	68	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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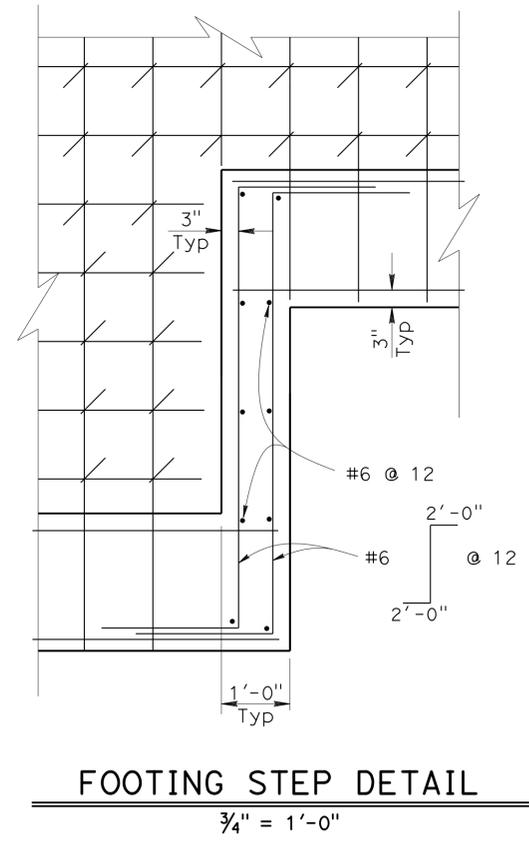


TIE BAR DETAIL
 NO SCALE

NOTE:
 For location of "Section B-B" and "Section I-I", see "BENT DETAILS NO. 1" sheet.

LEGEND:
 ---- Indicates existing surface to be roughened approximately 1/4" amplitude. Only portion of existing surfaces that are in contact with new concrete shall be roughened.

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



FOOTING STEP DETAIL
 3/4" = 1'-0"

NOTE:
 Concrete barrier and architectural texture not shown for clarity

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY G. Schuster	CHECKED P. Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	TRINIDAD ROAD UC (SEISMIC RETROFIT)
	DETAILS	BY Yingjue Feng	CHECKED P. Hong			04-0058	
	QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson			POST MILE	
						100.71	
				UNIT: 3592	PROJECT NO. & PHASE: 0100020153 1	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3		REVISION DATES
							3-28-12 3-29-12 6-29-12
							SHEET 5 OF 24

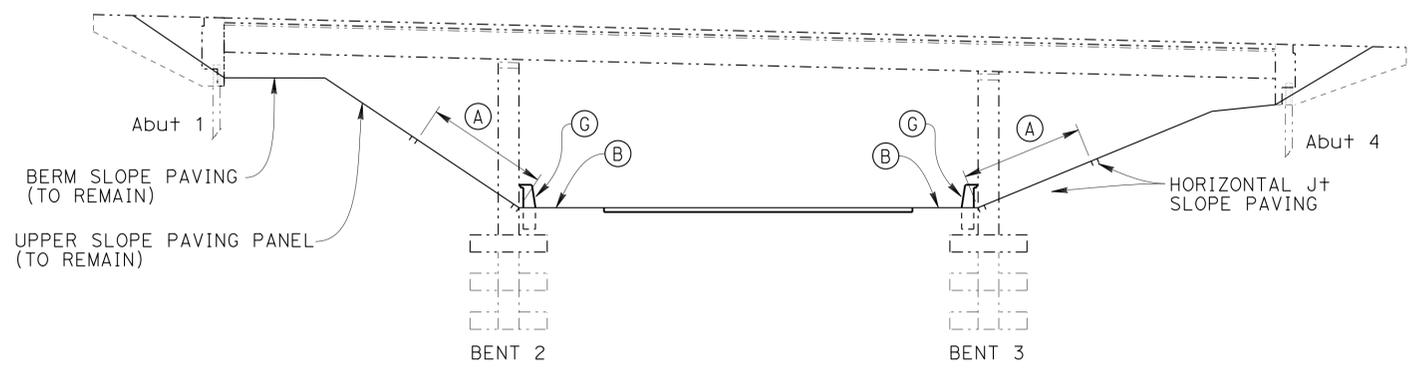
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	69	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

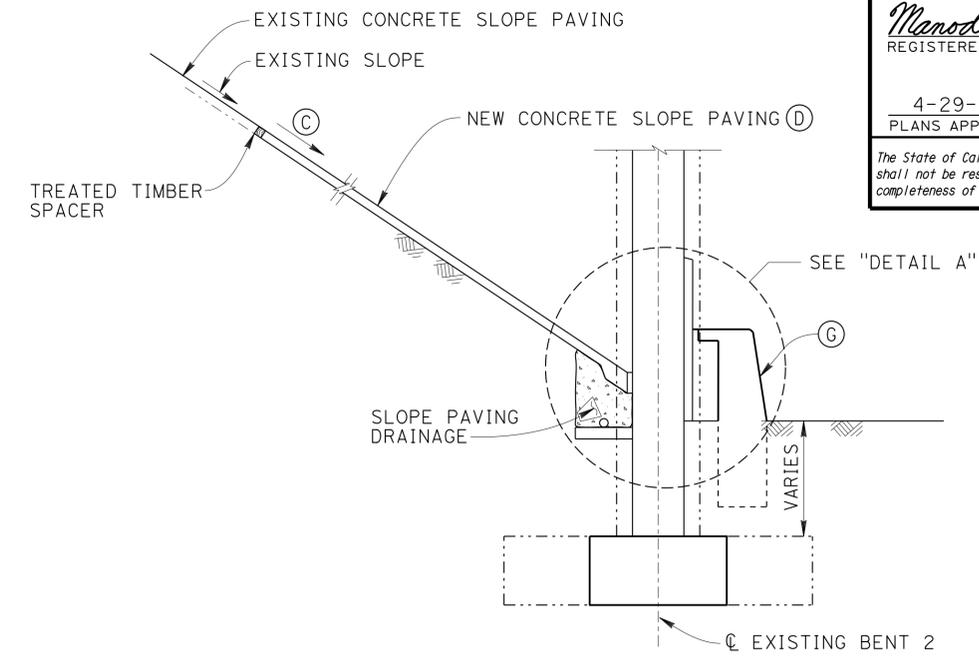
4-29-13
 PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA



ELEVATION
 $\frac{3}{32}'' = 1'-0''$

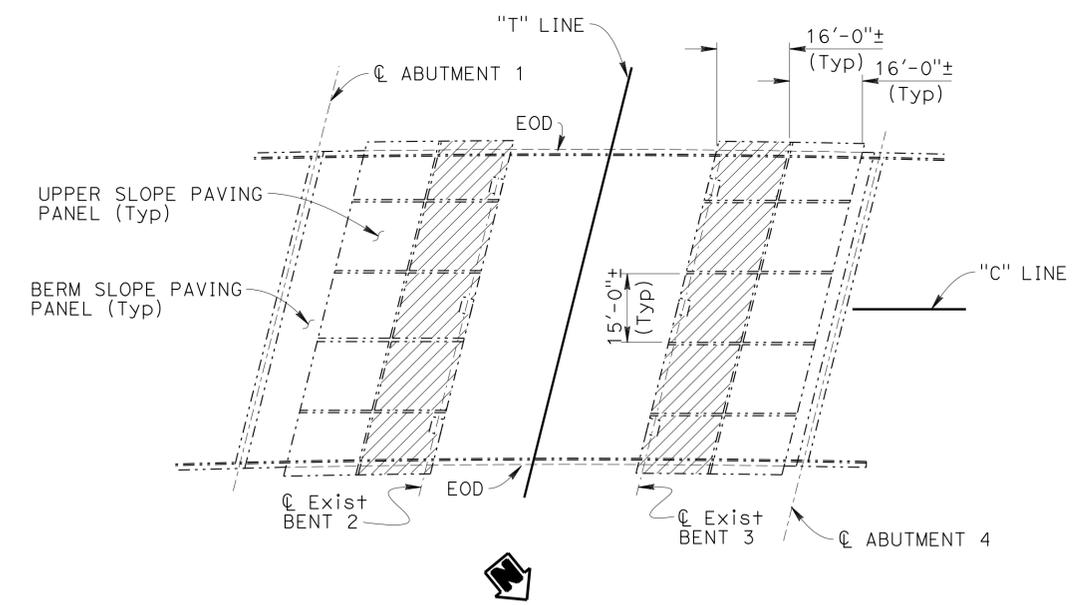


SECTION X-X
 $\frac{3}{8}'' = 1'-0''$

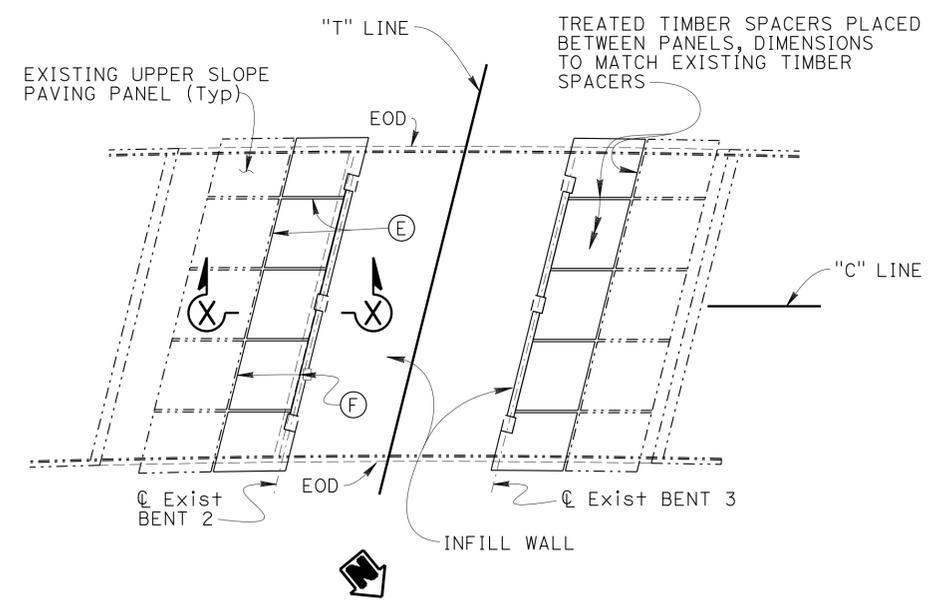
NOTE:
 Bent 2 shown, Bent 3 similar

- NOTES:
- (A) Remove lower slope paving panel. Existing columns, footings and upper slope paving panels to remain undamaged.
 - (B) Sidewalk, see "Road Plans".
 - (C) Slope of new slope paving lower panels to match slope of existing slope paving upper panels.
 - (D) Surface texture of new slope paving to match surface texture on existing slope paving.
 - (E) Treated timber spacers between new slope paving panels shall line up with upper slope paving panel spacers.
 - (F) Upper edge of new lower slope paving panels to be parallel with edge of existing upper slope paving panels, bottom edge to be parallel to ϕ existing bent.
 - (G) Concrete barrier, see "BARRIER DETAILS" sheets.
 For "Detail A", see "SLOPE PAVING DETAILS NO. 2" sheet.

- LEGEND:
- Indicates slope paving removal (Exist slope paving thickness = 2"±)
 - Indicates existing structure



SLOPE PAVING REMOVAL
 $1'' = 20'-0''$



CONSTRUCT SLOPE PAVING
 $1'' = 20'-0''$

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

DESIGN	BY G. Schuster	CHECKED P. Hong
DETAILS	BY T. Cotton / G. Dickerson	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
 DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
 SLOPE PAVING DETAILS NO. 1

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3592
 PROJECT NO. & PHASE: 0100020153 1
 CONTRACT NO.: 01-459701

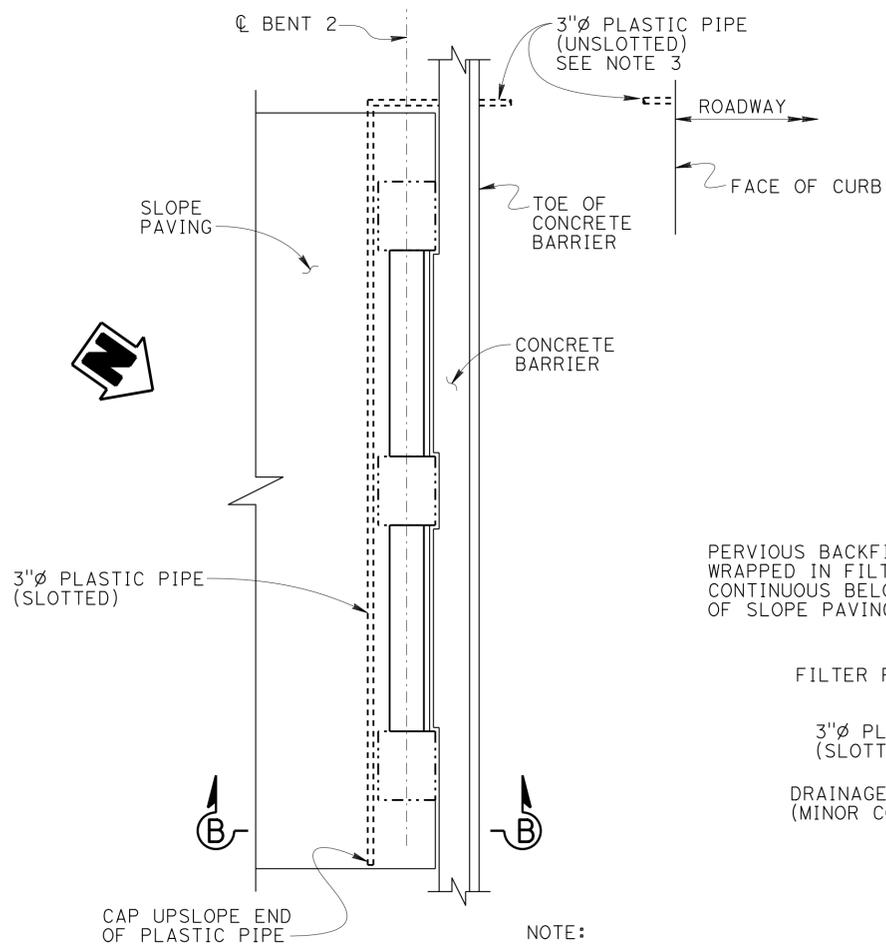
REVISION DATES	SHEET	OF
02-06-12	6	24

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 09:35

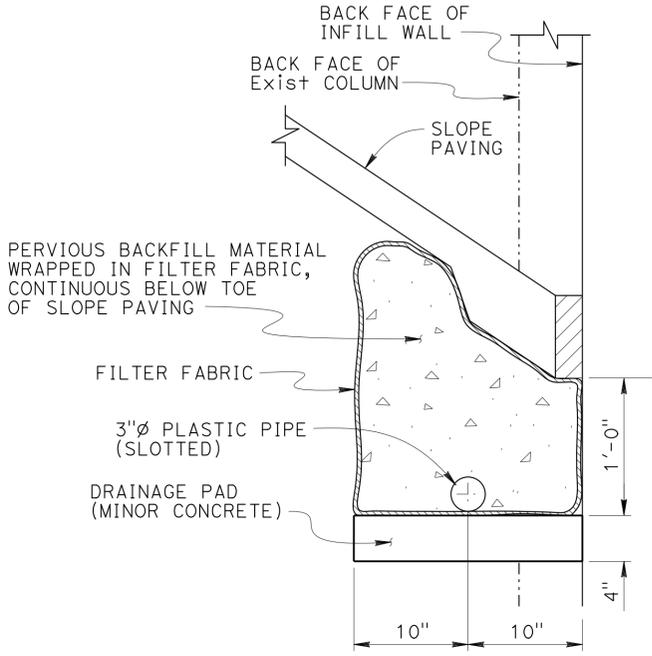
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01	Hum	101	97.7/100.7	70	90

Manode Kodsuntie 1-16-12 REGISTERED CIVIL ENGINEER DATE	
4-29-13 PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	

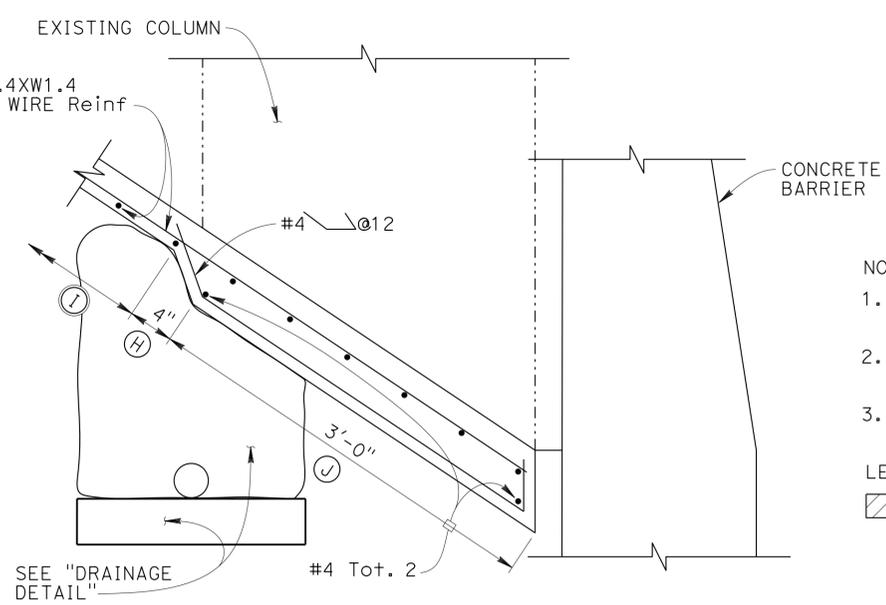
REGISTERED PROFESSIONAL ENGINEER M. Kodsuntie No. C56671 Exp. 06-30-13 CIVIL STATE OF CALIFORNIA	
--	--



SLOPE PAVING DRAINAGE - PLAN
NO SCALE

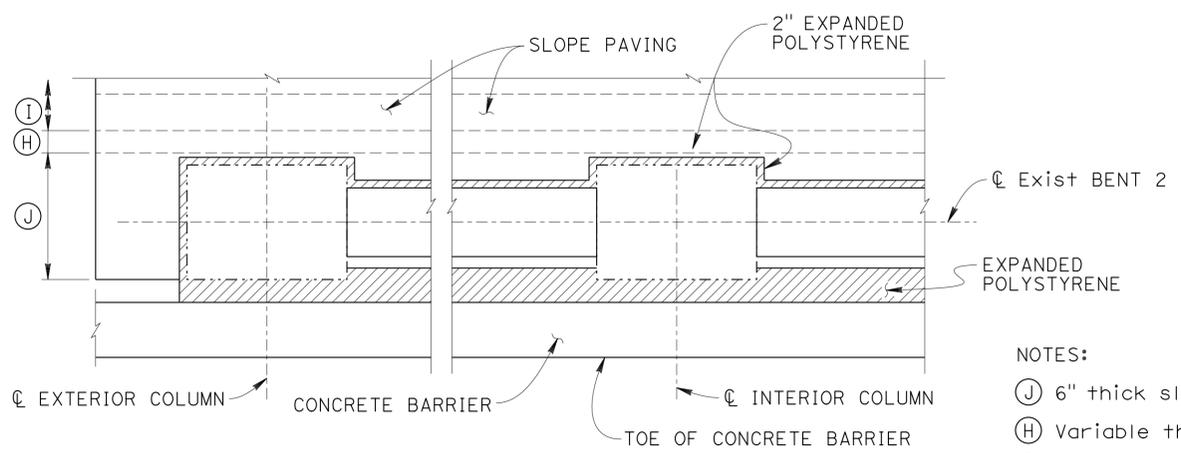


DRAINAGE DETAIL
1/2" = 1'-0"



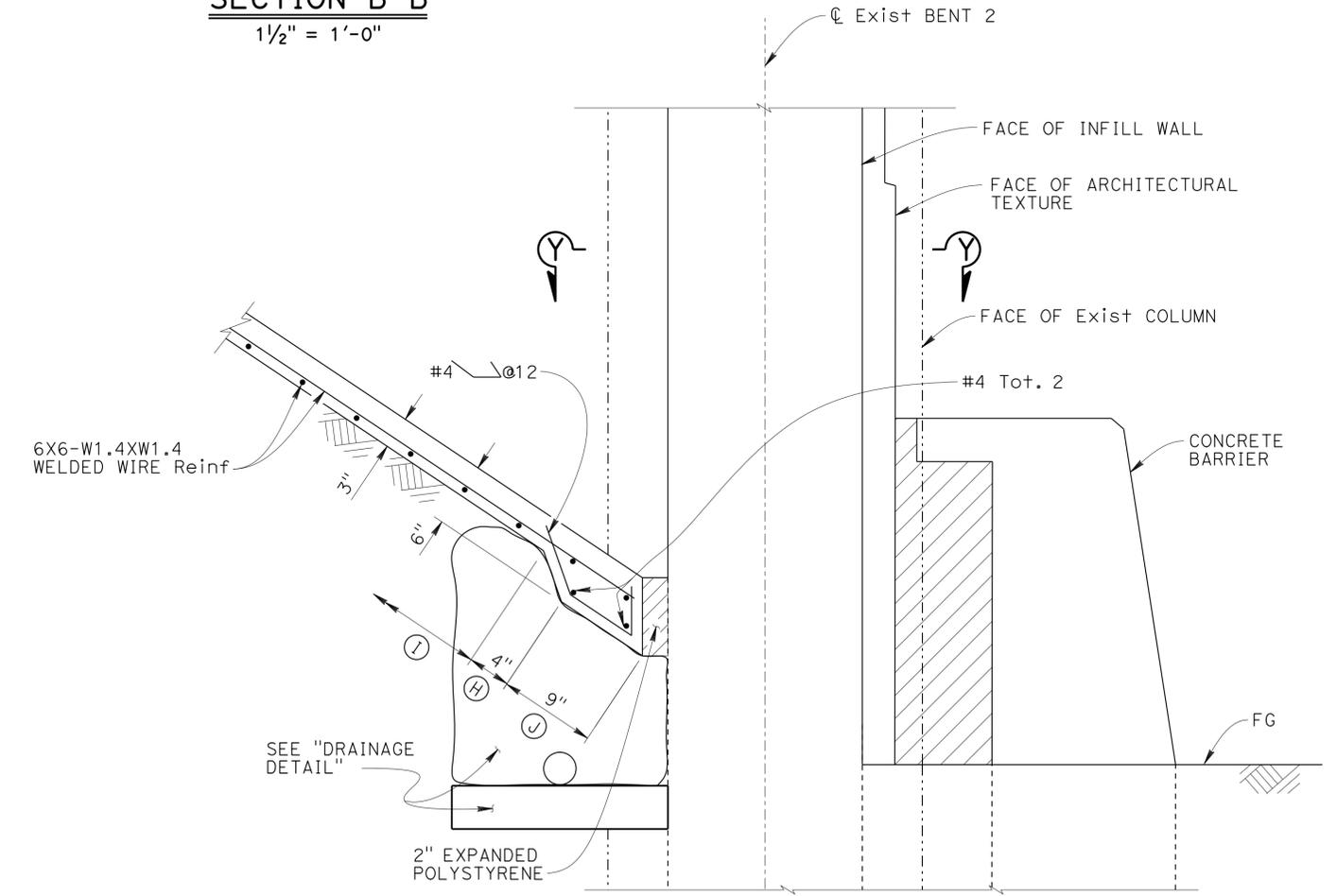
SECTION B-B
1/2" = 1'-0"

- NOTES:
- Slope paving at Bent 2 shown, Slope paving at Bent 3 similar.
 - For location of "Detail A", see "SLOPE PAVING DETAILS NO. 1" sheet.
 - Extend drain pipe through concrete barrier and under sidewalk to discharge through curb face.
- LEGEND:
- Indicates expanded polystyrene, see "BARRIER DETAILS NO. 1" sheet for thickness of expanded polystyrene between concrete barrier and infill wall or existing column



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

- NOTES:
- J 6" thick slope paving
 - H Variable thickness slope paving
 - I 3" thick slope paving



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

DESIGN	BY G. Schuster	CHECKED P. Hong
DETAILS	BY T. Cotton / G. Dickerson	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
SLOPE PAVING DETAILS NO. 2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3592
PROJECT NO. & PHASE: 0100020153 1

CONTRACT NO.: 01-459701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
02-06-12	7	24

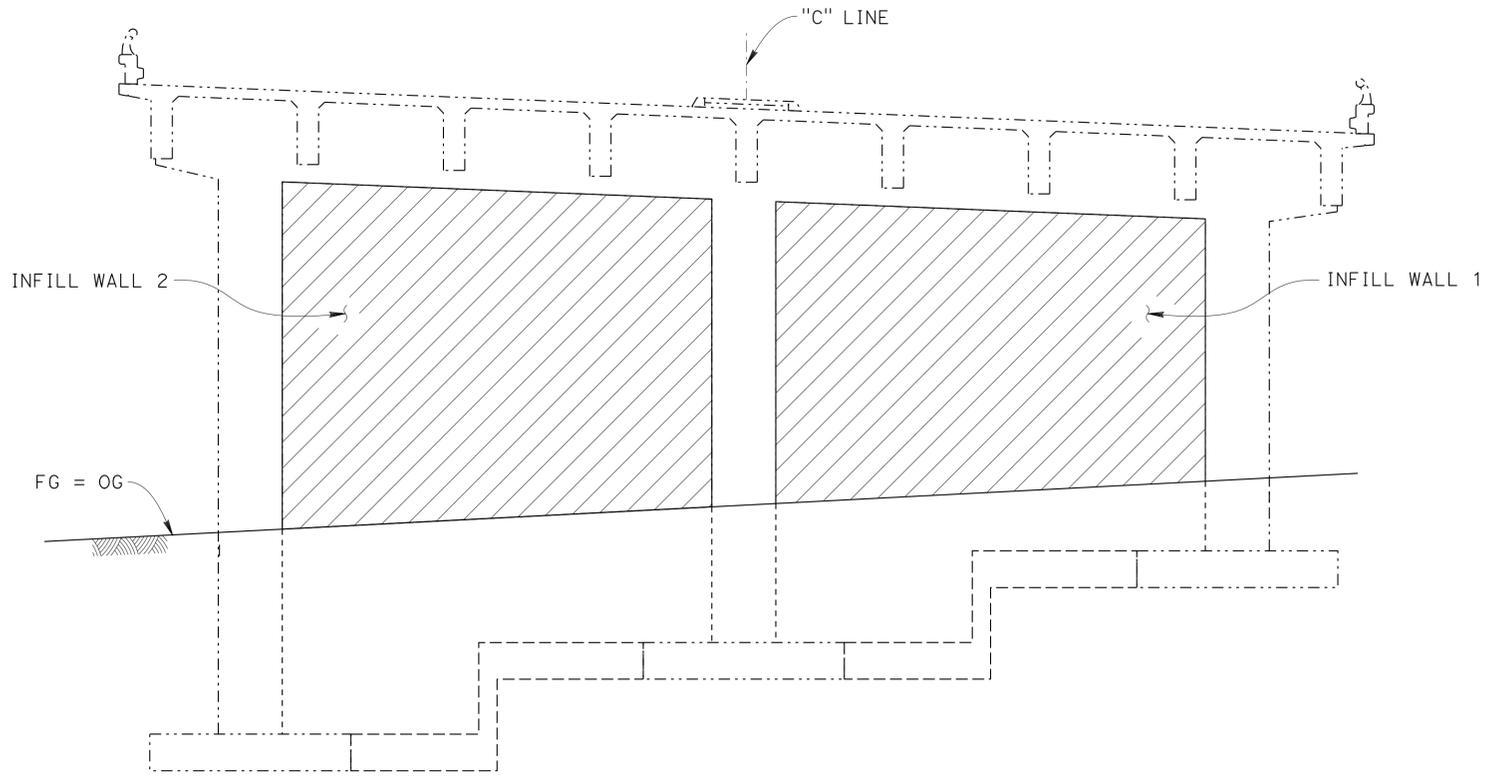
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	71	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

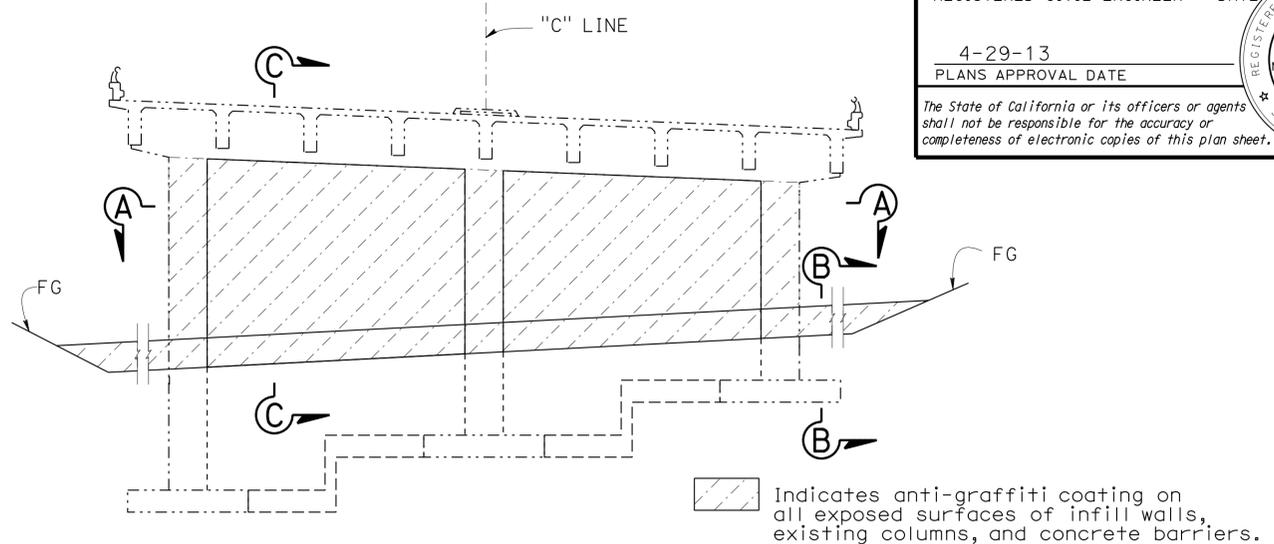
4-29-13
 PLANS APPROVAL DATE

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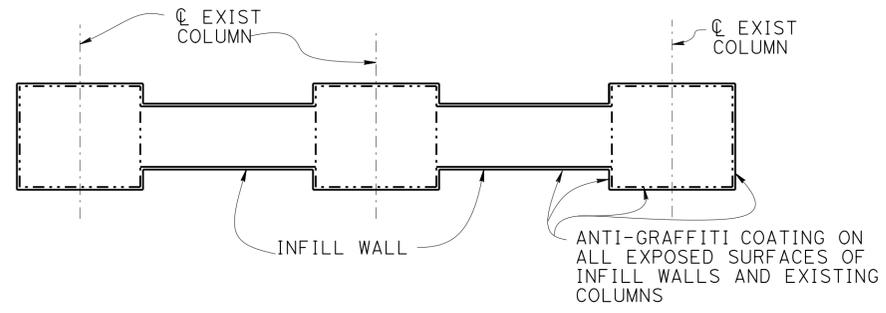
REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA



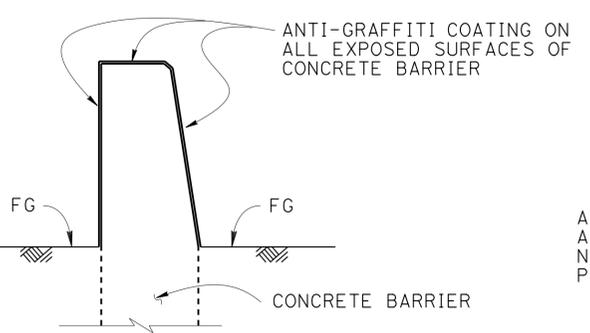
LIMITS OF PAYMENT FOR FORMED RELIEF TEXTURE
TYPICAL SECTION
 1" = 5'-0"



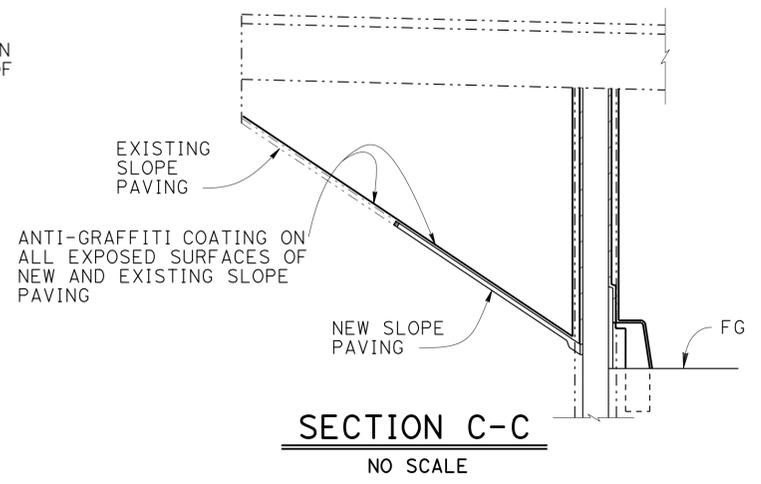
LIMITS OF ANT-GRAFFITI COATING
TYPICAL SECTION
 NO SCALE



SECTION A-A
 NO SCALE



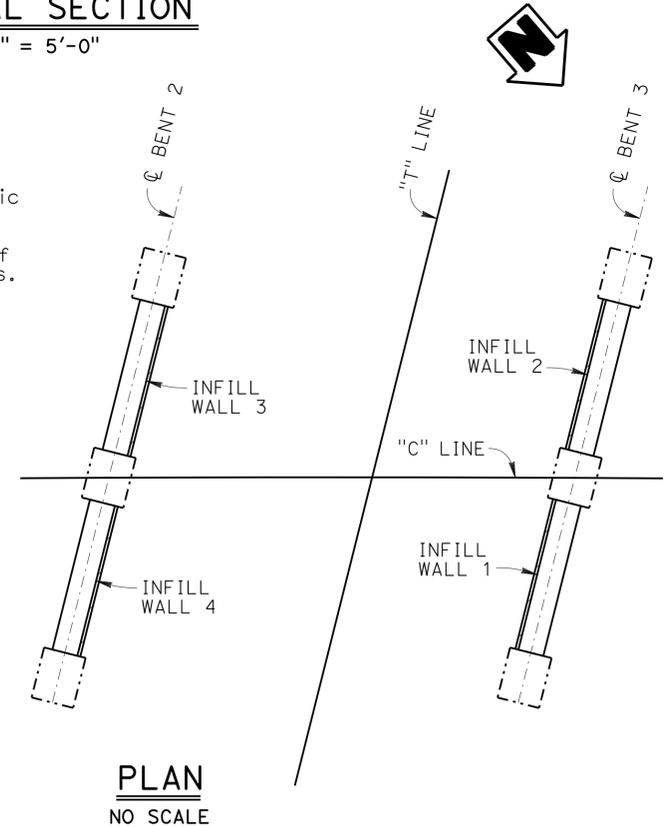
SECTION B-B
 NO SCALE



SECTION C-C
 NO SCALE

NOTES:
 Bent 3 shown, Bent 2 similar
 Concrete barrier along front of bent not shown for clarity

LEGEND:
 Indicates formed relief texture on traffic side of infill walls. See "INFILL WALL ARCHITECTURAL DETAILS" sheets. Formed relief texture is a combination of various architectural textures and motifs.
 - - - - - Indicates existing structure



PLAN
 NO SCALE

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

DESIGN	BY G. Schuster	CHECKED P. Hong
DETAILS	BY T. Cotton / G. Dickerson	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
 DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
ARCHITECTURAL TEXTURE

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3592
 PROJECT NO. & PHASE: 0100020153 1
 CONTRACT NO.: 01-459701

REVISION DATES	SHEET	OF
03-27-12 11-15-12 11-14-12	8	24

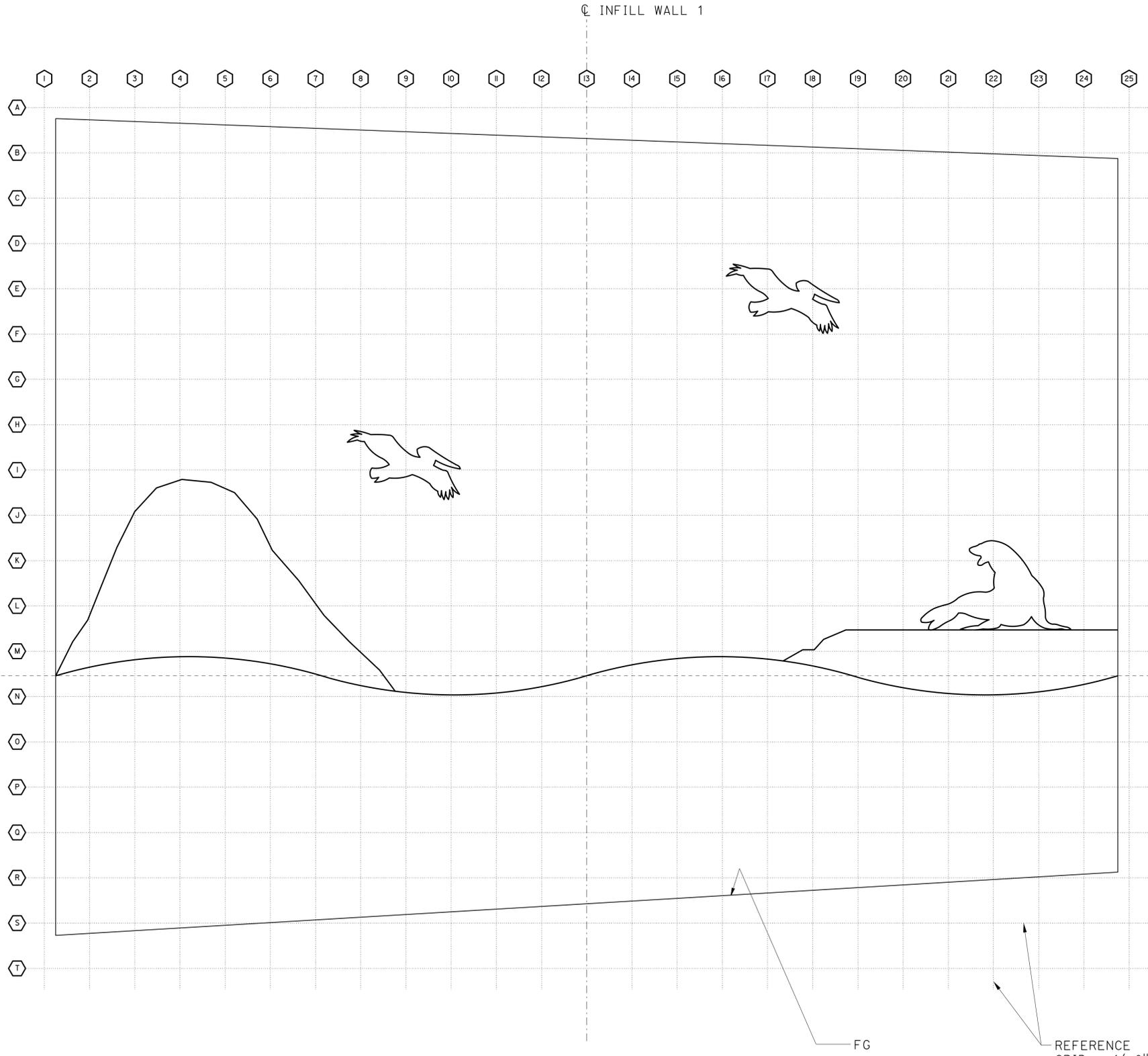
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01	Hum	101	97.7/100.7	72	90

Manode Kodsuntie 1-16-12
REGISTERED CIVIL ENGINEER DATE

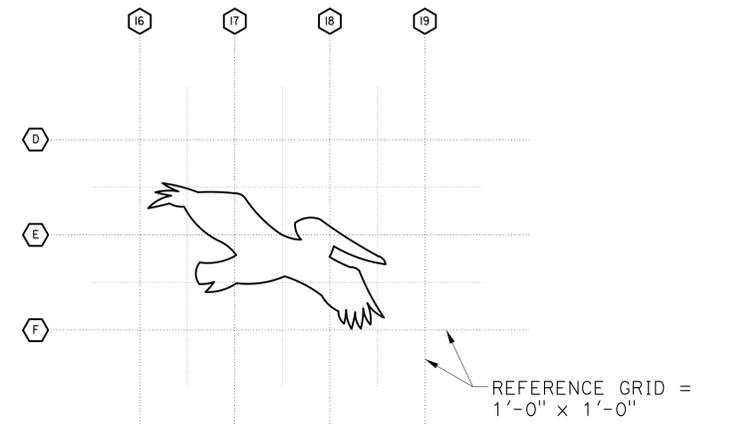
4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

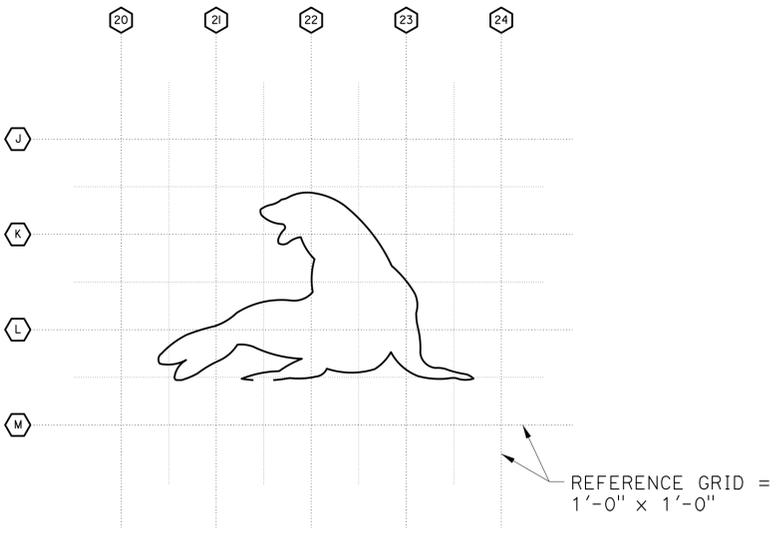
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ARCHITECTURAL MOTIF AT INFILL WALL 1
NO SCALE



PELICAN MOTIF DETAIL
NO SCALE



SEA LION MOTIF DETAIL
NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 1 ARCHITECTURAL DETAILS NO. 1

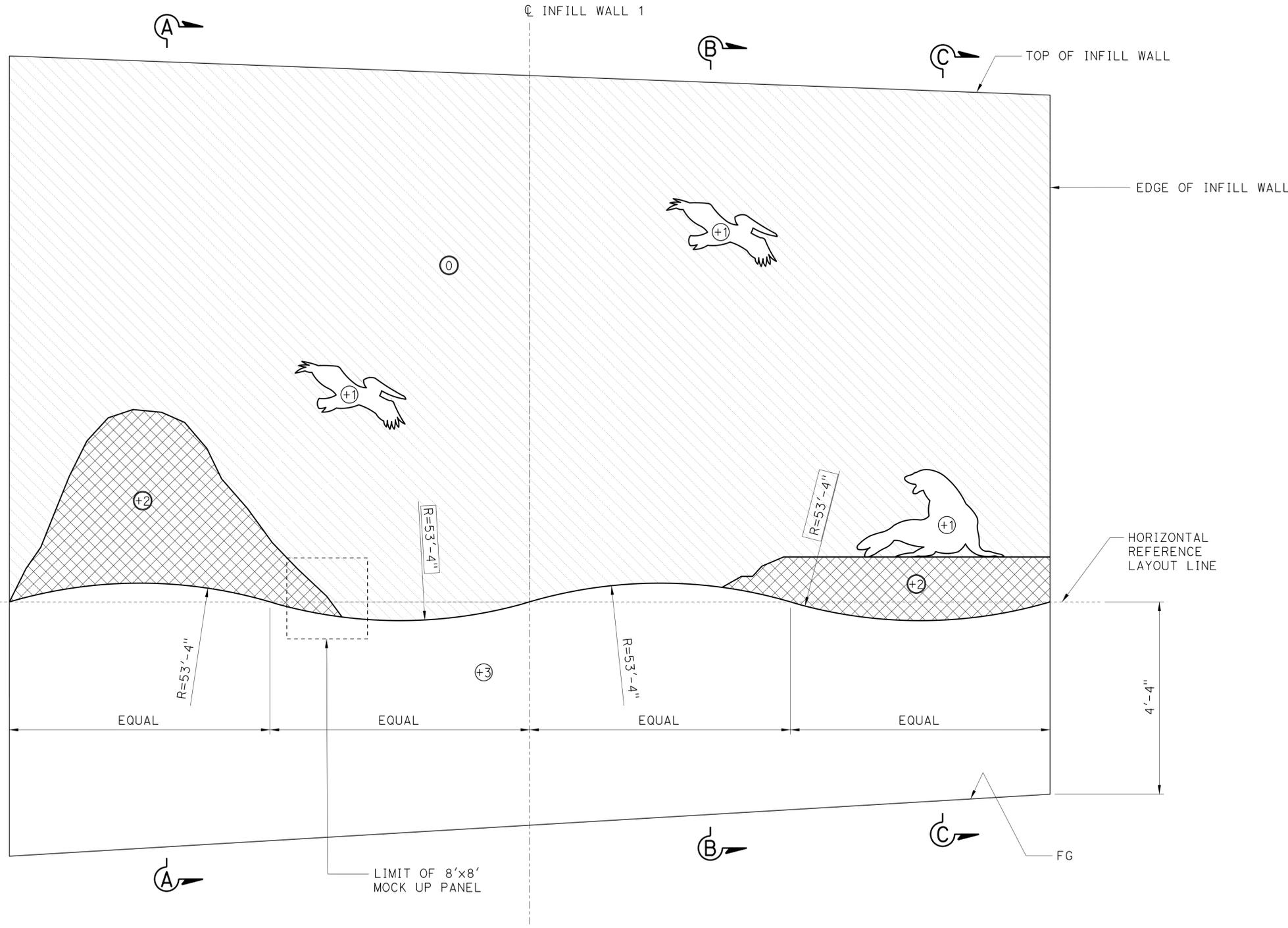
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	73	90

Manode Kodsuntie 1-16-12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

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NOTES:

- For "SECTION A-A", "SECTION B-B" and "SECTION C-C", see "INFILL WALL 1 ARCHITECTURAL DETAILS NO. 3" sheet.
- Concrete barrier in front of infill wall not shown for clarity.

LEGEND:

- (+) Indicates surface projection in inches from face of Infill Wall
- ☒ Textured concrete surface = split slate texture. Texture relief to be 1/4" maximum. See "INFILL WALL 1 ARCHITECTURAL DETAILS NO. 3" sheet.
- ☒ Textured concrete surface = light sandblast texture. Texture relief to be 1/16" maximum. See "INFILL WALL 1 ARCHITECTURAL DETAILS NO. 3" sheet.
- ☐ Smooth concrete surface.

ARCHITECTURAL TEXTURE AND MOTIF AT INFILL WALL 1

NO SCALE

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

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 1 ARCHITECTURAL DETAILS NO. 2

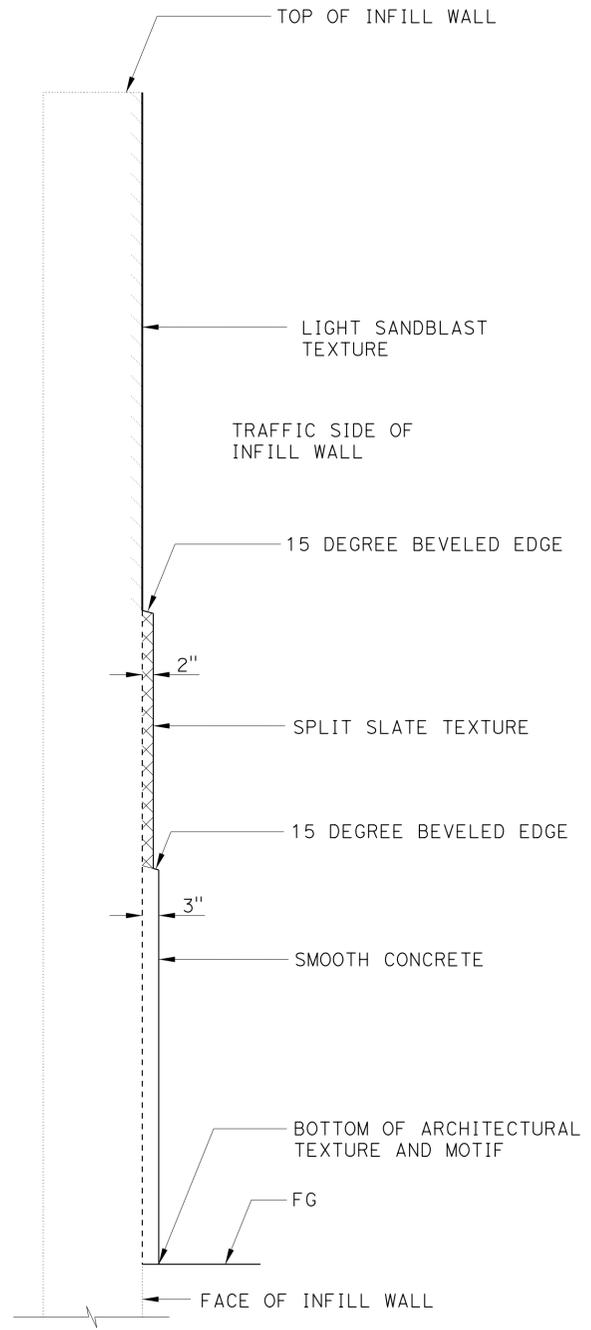
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	74	90

Manode Kodsuntie 1-16-12
REGISTERED CIVIL ENGINEER DATE

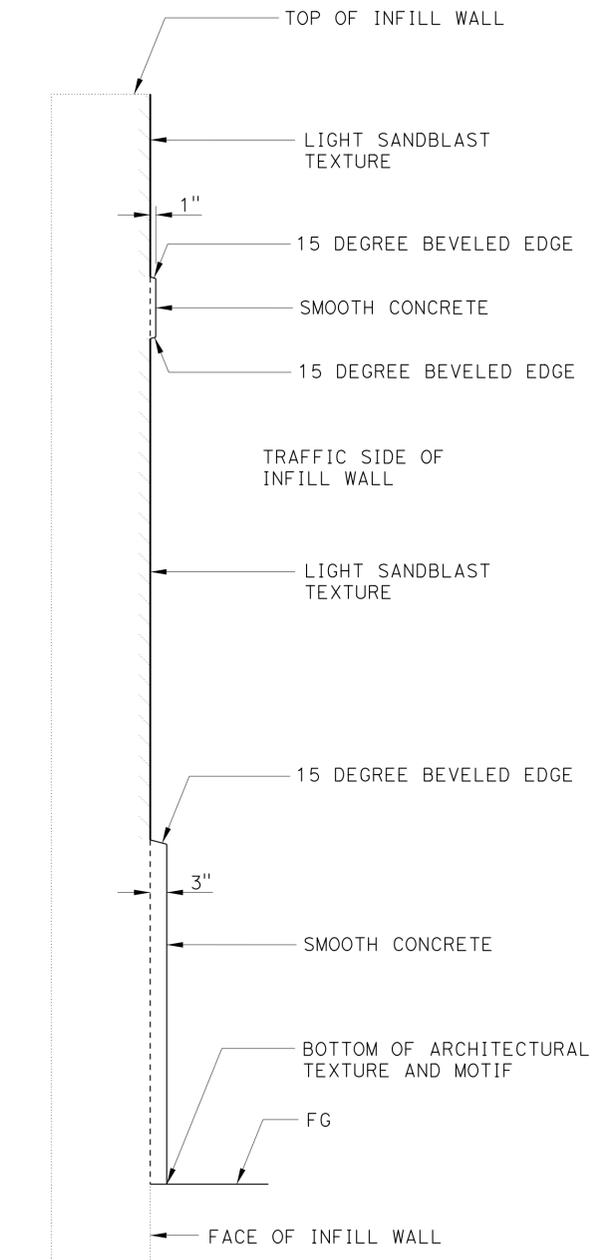
4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

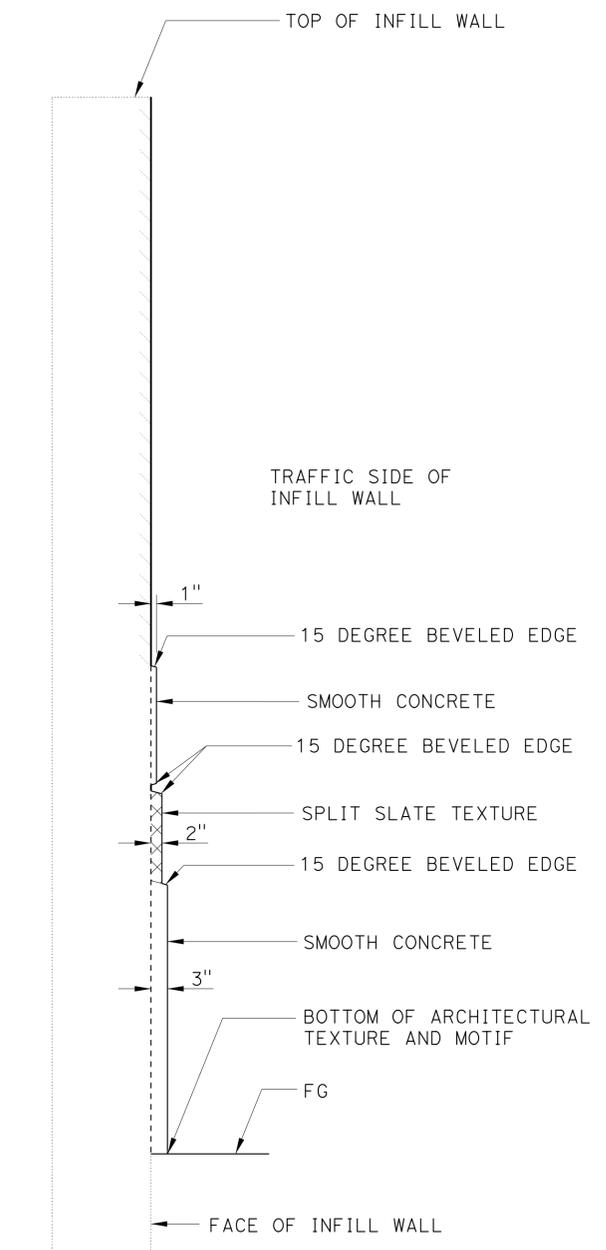
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



SECTION A-A
NO SCALE



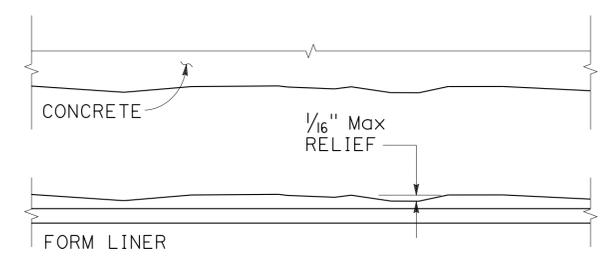
SECTION B-B
NO SCALE



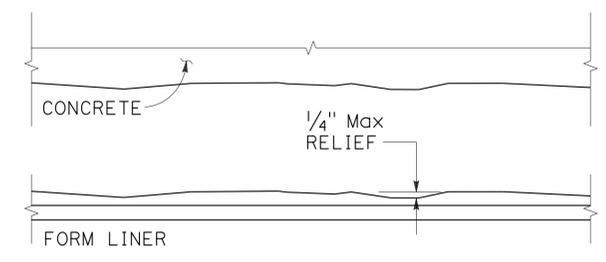
SECTION C-C
NO SCALE

- NOTES:
- For location of "SECTION A-A", "SECTION B-B" and "SECTION C-C", see "INFILL WALL 1 ARCHITECTURAL DETAILS NO. 2" sheet.
 - Concrete barrier in front of infill wall not shown for clarity.

- LEGEND:
- Indicates smooth concrete
 - Indicates Light Sand Blast Texture
 - Indicates Split Slate Texture



LIGHT SANDBLAST TEXTURE DETAILS
NO SCALE



SPLIT SLATE TEXTURE DETAILS
NO SCALE

DESIGN	BY	S. HEATH	CHECKED	H. CHAVEZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	TRINIDAD ROAD UC (SEISMIC RETROFIT)		
	DETAILS	BY	S. HEATH	CHECKED			H. CHAVEZ	04-0058	INFILL WALL 1 ARCHITECTURAL DETAILS NO. 3	
	QUANTITIES	BY	M. Kodsuntie	CHECKED			G. Dickerson	100.71		

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

UNIT: 3592 PROJECT NO. & PHASE: 0100020153 1 CONTRACT NO.: 01-459701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
6-28-12	11	24
7-09-12		

FILE => 004-0058-v-w1d03_detail-sheet.dgn

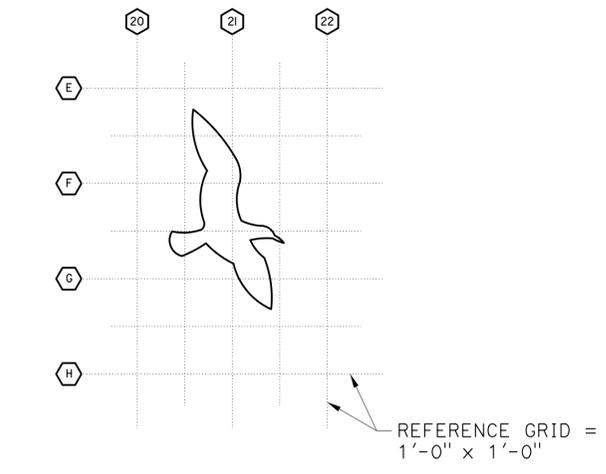
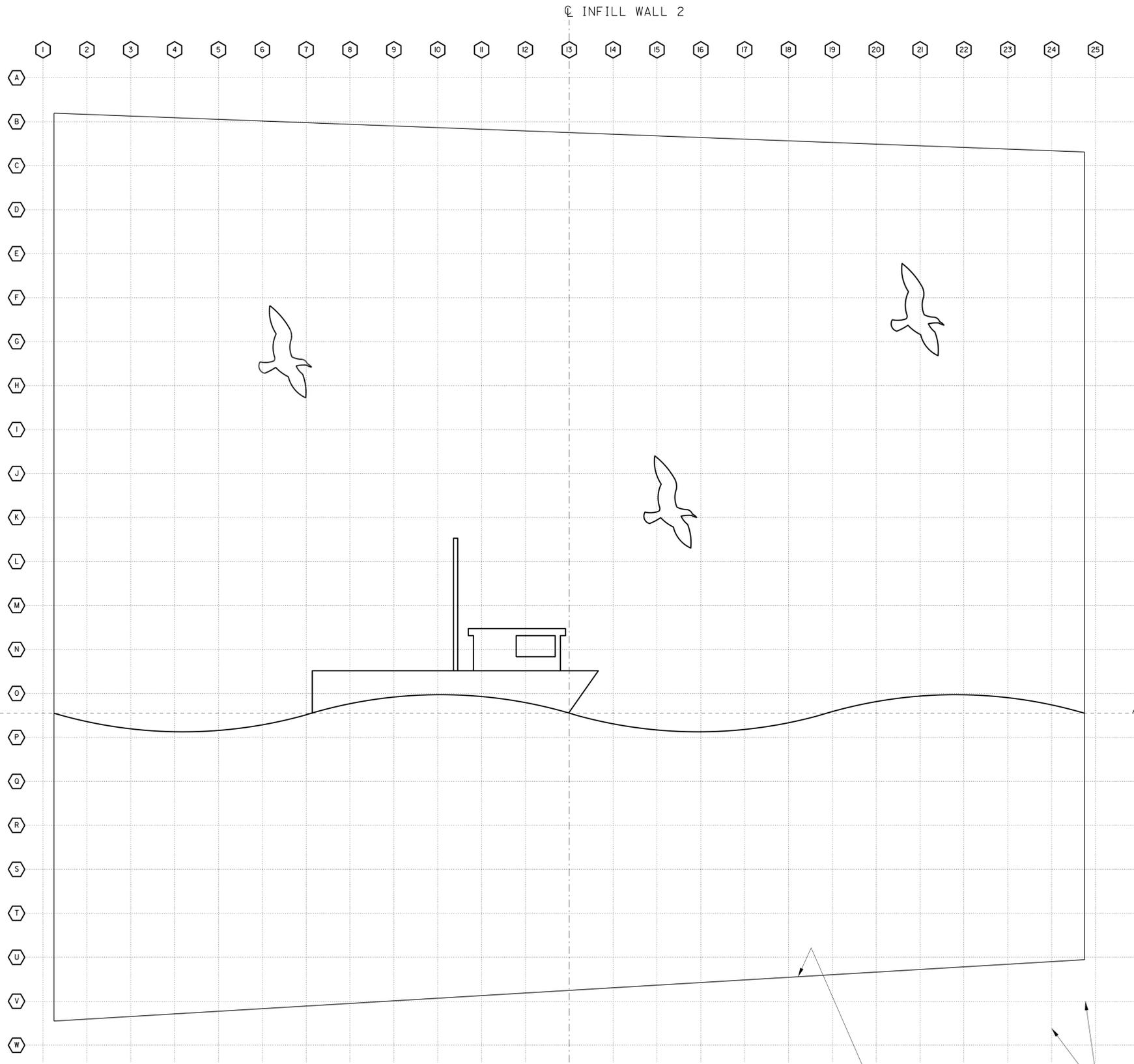
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	75	90

Manode Kodsuntie 1-16-12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



ARCHITECTURAL MOTIF AT INFILL WALL 2
NO SCALE

SEAGULL MOTIF DETAIL
NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 2 ARCHITECTURAL DETAILS NO. 1

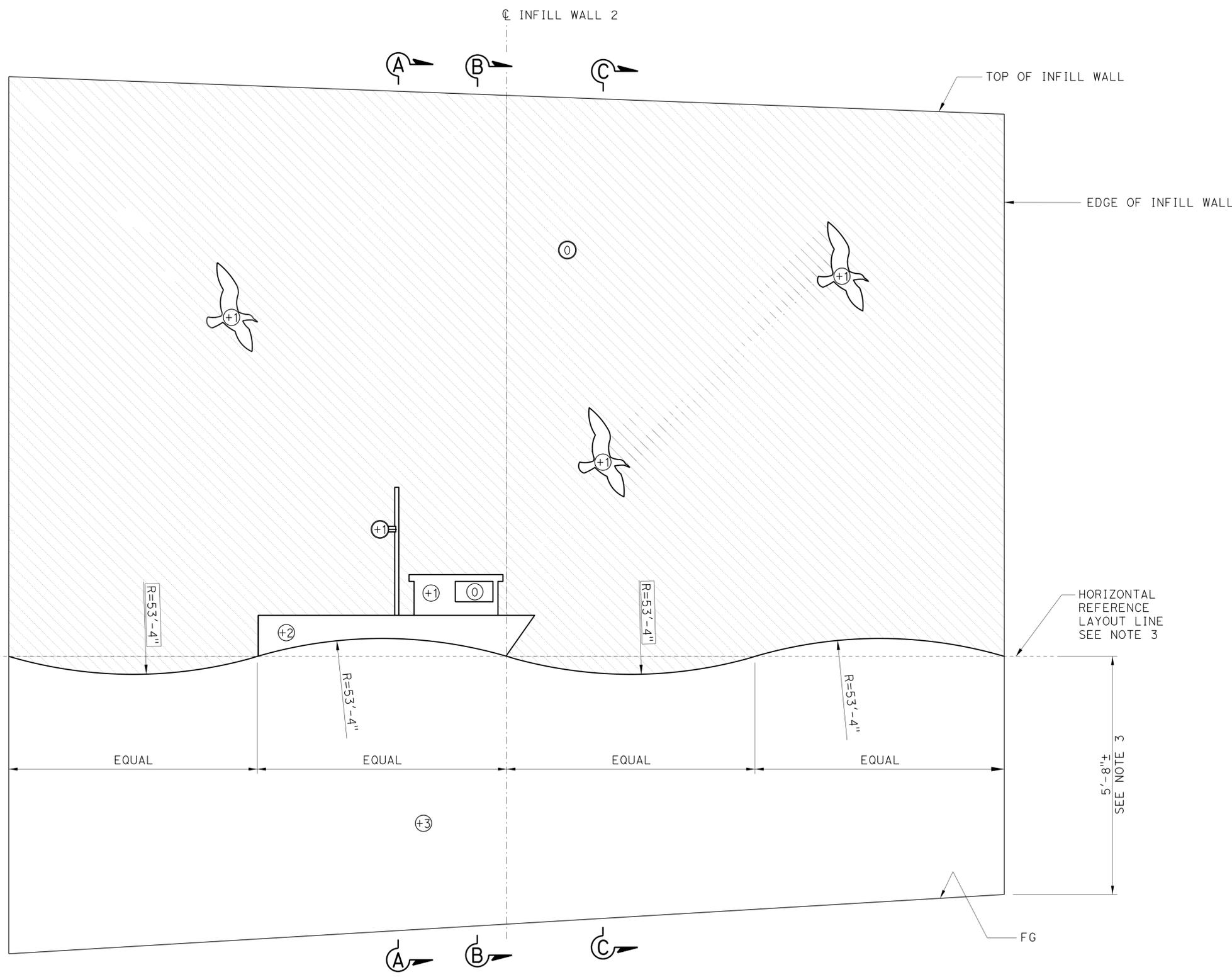
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	76	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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**ARCHITECTURAL TEXTURE AND MOTIF
 AT INFILL WALL 2**
 NO SCALE

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

NOTES:

- For "SECTION A-A", "SECTION B-B" and "SECTION C-C", see "INFILL WALL 2 ARCHITECTURAL DETAILS NO. 3" sheet.
- Concrete barrier in front of infill wall not shown for clarity.
- Adjust horizontal reference layout line as required to line up with horizontal reference layout line in Infill Wall 1.

LEGEND:

- ⊕ Indicates surface projection in inches from face of Infill Wall.
- ▨ Textured concrete surface = light sandblast texture. Texture relief to be 1/16" maximum. See "INFILL WALL 2 ARCHITECTURAL DETAILS NO. 3" sheet.
- Smooth concrete surface.

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO.	TRINIDAD ROAD UC (SEISMIC RETROFIT)
	DETAILS BY S. HEATH	CHECKED H. CHAVEZ			04-0058	
	QUANTITIES BY M. Kodsuntie	CHECKED G. Dickerson			POST MILE 100.71	
INFILL WALL 2 ARCHITECTURAL DETAILS NO. 2						

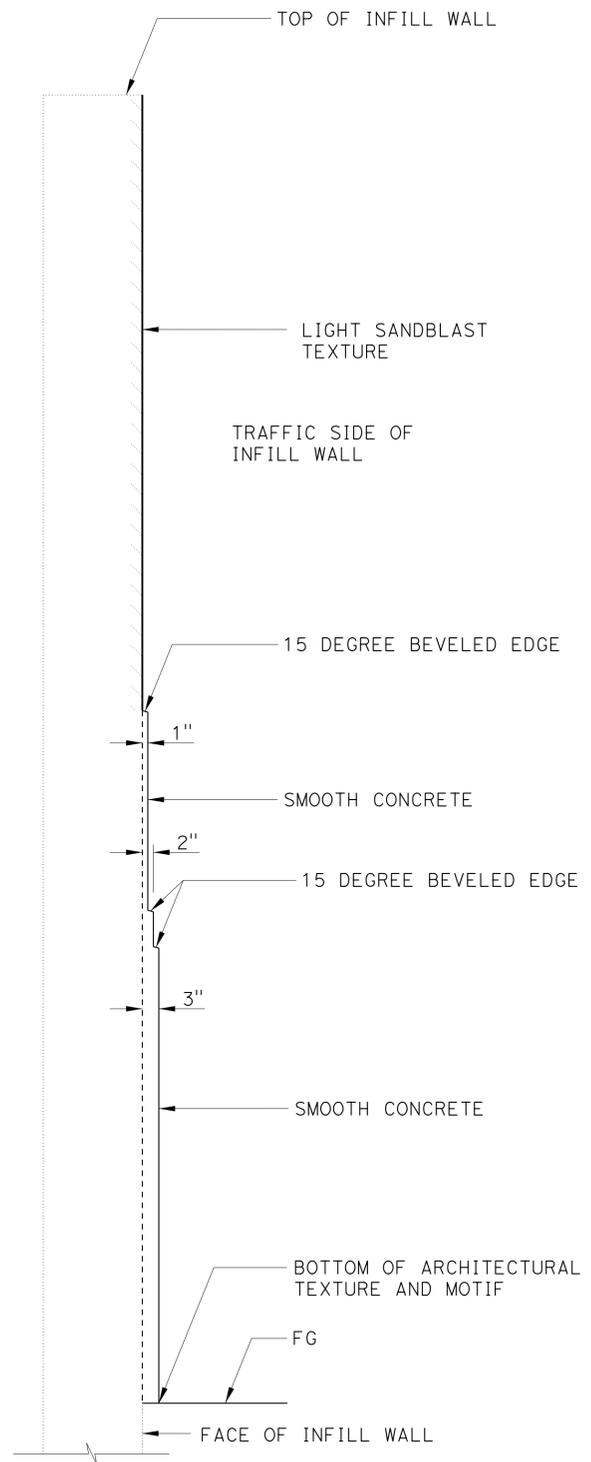
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	77	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

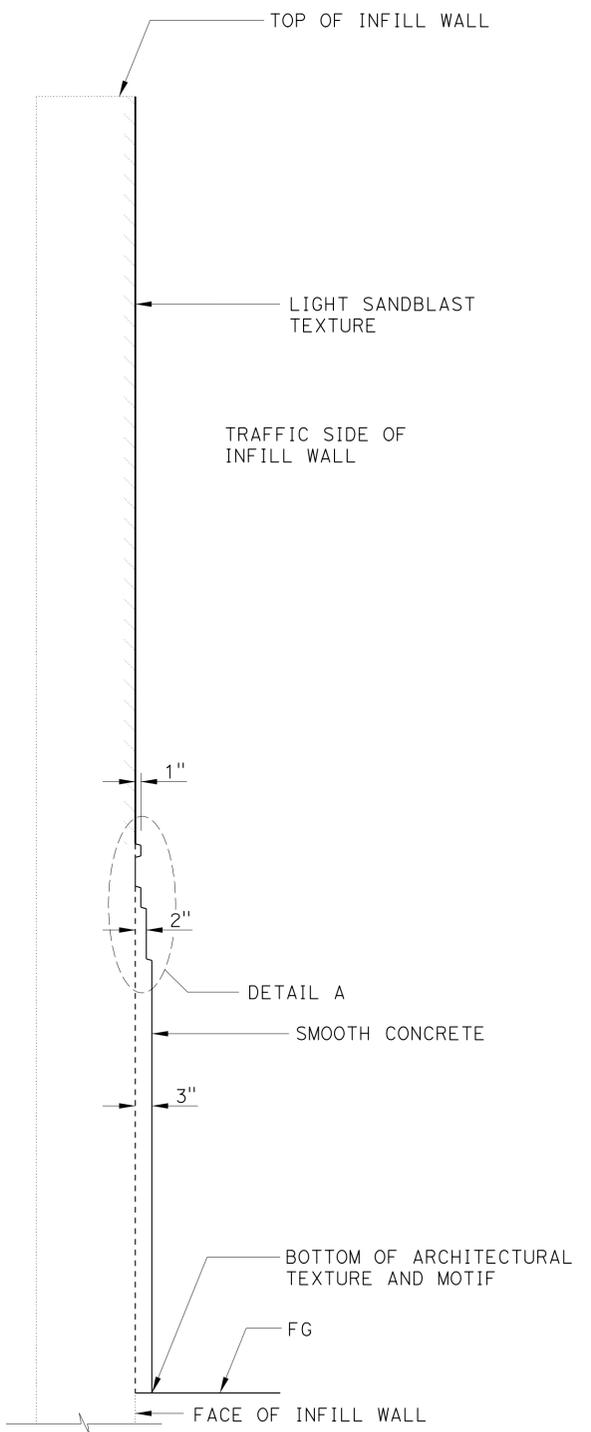
4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

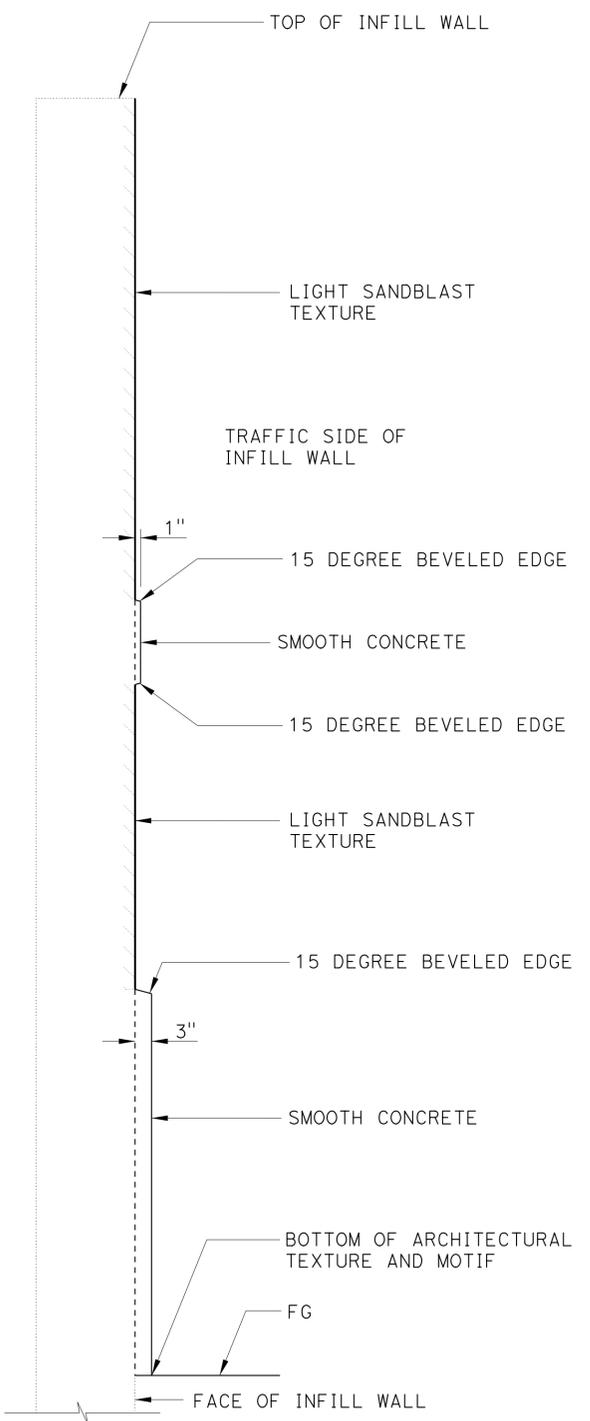
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



SECTION A-A
NO SCALE

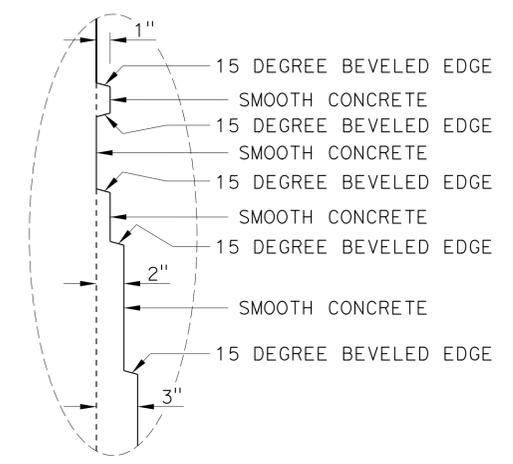


SECTION B-B
NO SCALE



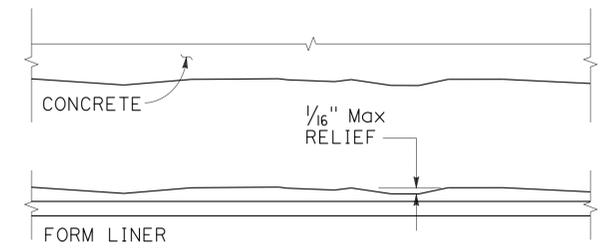
SECTION C-C
NO SCALE

- NOTES:
- For location of "SECTION A-A", "SECTION B-B" and "SECTION C-C", see "INFILL WALL 2 ARCHITECTURAL DETAILS NO. 2" sheet.
 - Concrete barrier in front of infill wall not shown for clarity.



DETAIL A
NO SCALE

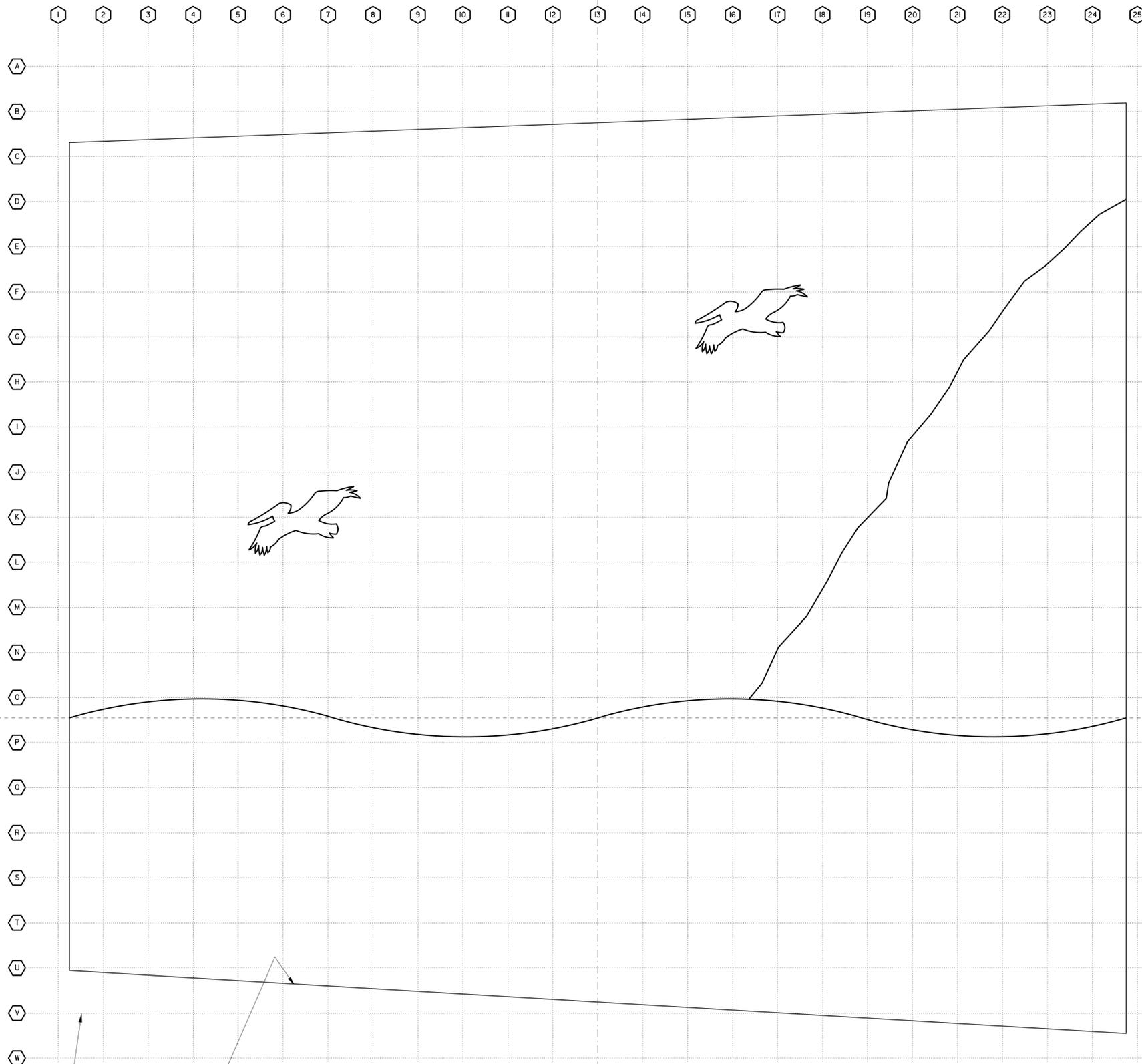
LEGEND:
 Indicates Light Sand Blast Texture



LIGHT SANDBLAST TEXTURE DETAILS
NO SCALE

DESIGN BY S. HEATH CHECKED H. CHAVEZ DETAILS BY S. HEATH CHECKED H. CHAVEZ QUANTITIES BY M. Kodsuntie CHECKED G. Dickerson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. 04-0058 POST MILE 100.71	TRINIDAD ROAD UC (SEISMIC RETROFIT) INFILL WALL 2 ARCHITECTURAL DETAILS NO. 3	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3592 PROJECT NO. & PHASE: 0100020153 1 CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 6-27-12	SHEET OF 14 24
	STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	FILE => 004-0058-w-2dt03_detail-sheet.dgn			

CL INFILL WALL 3



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	78	90

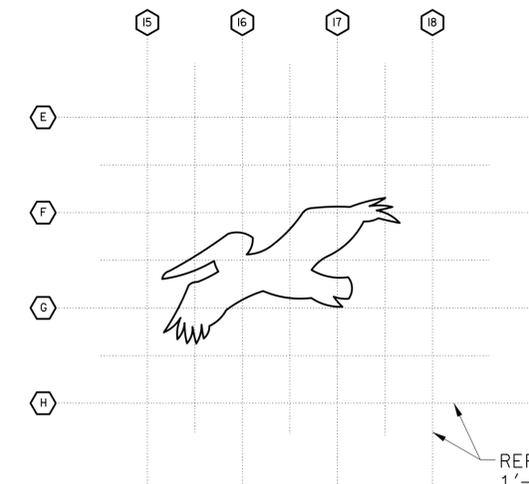
Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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HORIZONTAL REFERENCE LAYOUT LINE



REFERENCE GRID = 1'-0" x 1'-0"

PELICAN MOTIF DETAIL

NO SCALE

REFERENCE GRID = 1'-0" x 1'-0"

ARCHITECTURAL MOTIF AT INFILL WALL 3

NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 3 ARCHITECTURAL DETAILS NO. 1

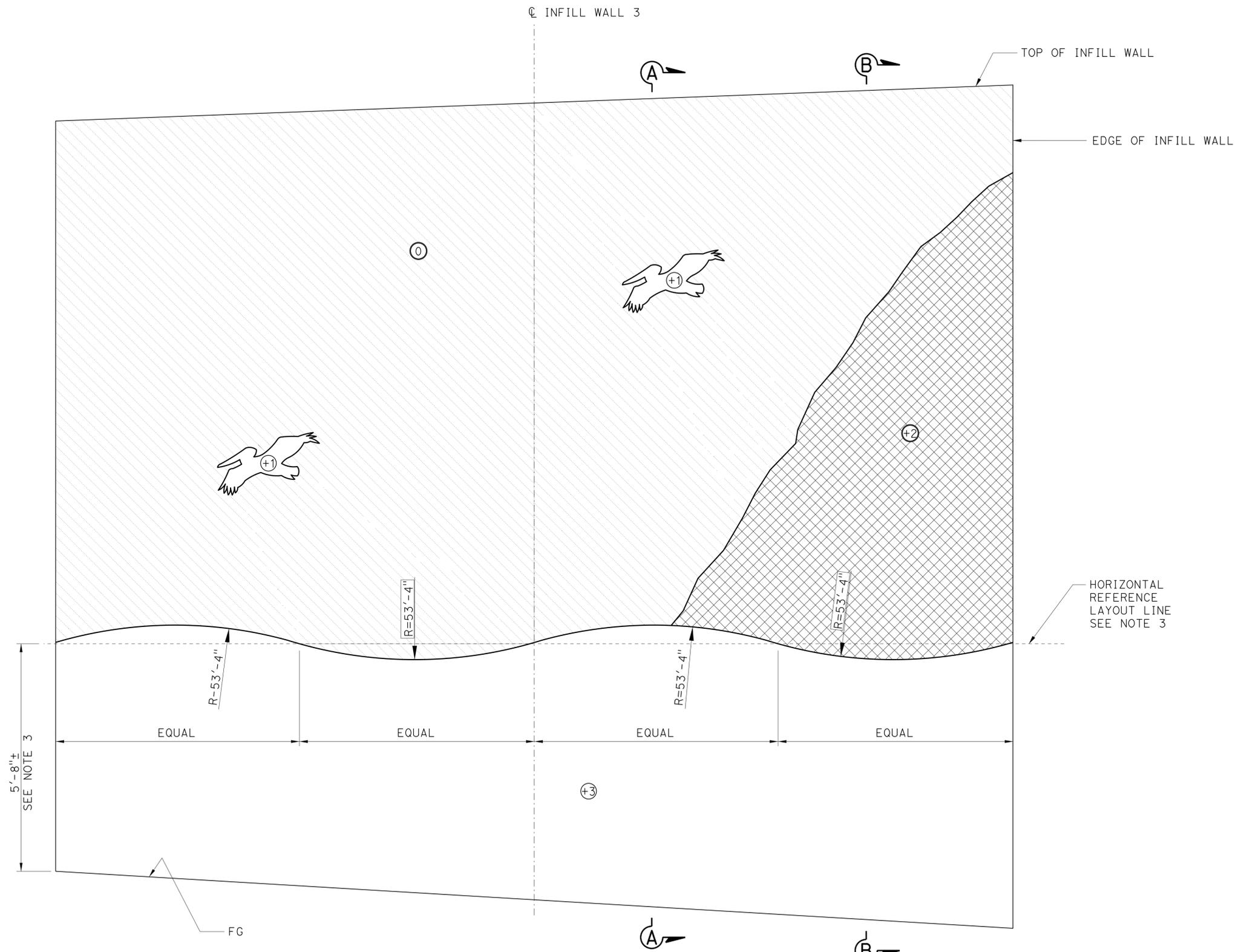
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	79	90

Manode Kodsuntie 1-16-12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

M. Kodsuntie
No. C56671
Exp. 06-30-13
CIVIL
STATE OF CALIFORNIA

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- NOTES:
- For "SECTION A-A" and "SECTION B-B" see "INFILL WALL 3 ARCHITECTURAL DETAILS NO. 3" sheet.
 - Concrete barrier in front of infill wall not shown for clarity.
 - Adjust horizontal reference layout line as required to line up with horizontal reference layout line in Infill Wall 4.

- LEGEND:
- ⊕ Indicates surface projection in inches from face of Infill Wall
 - ☒ Textured concrete surface = split slate texture. Texture relief to be 1/4" maximum. See "INFILL WALL 3 ARCHITECTURAL DETAILS NO. 3" sheet.
 - ☒ Textured concrete surface = light sandblast texture. Texture relief to be 1/16" maximum. See "INFILL WALL 3 ARCHITECTURAL DETAILS NO. 3" sheet.
 - ☐ Smooth concrete surface.

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

ARCHITECTURAL TEXTURE AND MOTIF AT INFILL WALL 3
NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 3 ARCHITECTURAL DETAILS NO. 2

DATE PLOTTED => 29-APR-2013
TIME PLOTTED => 08:52
USER NAME => s124496

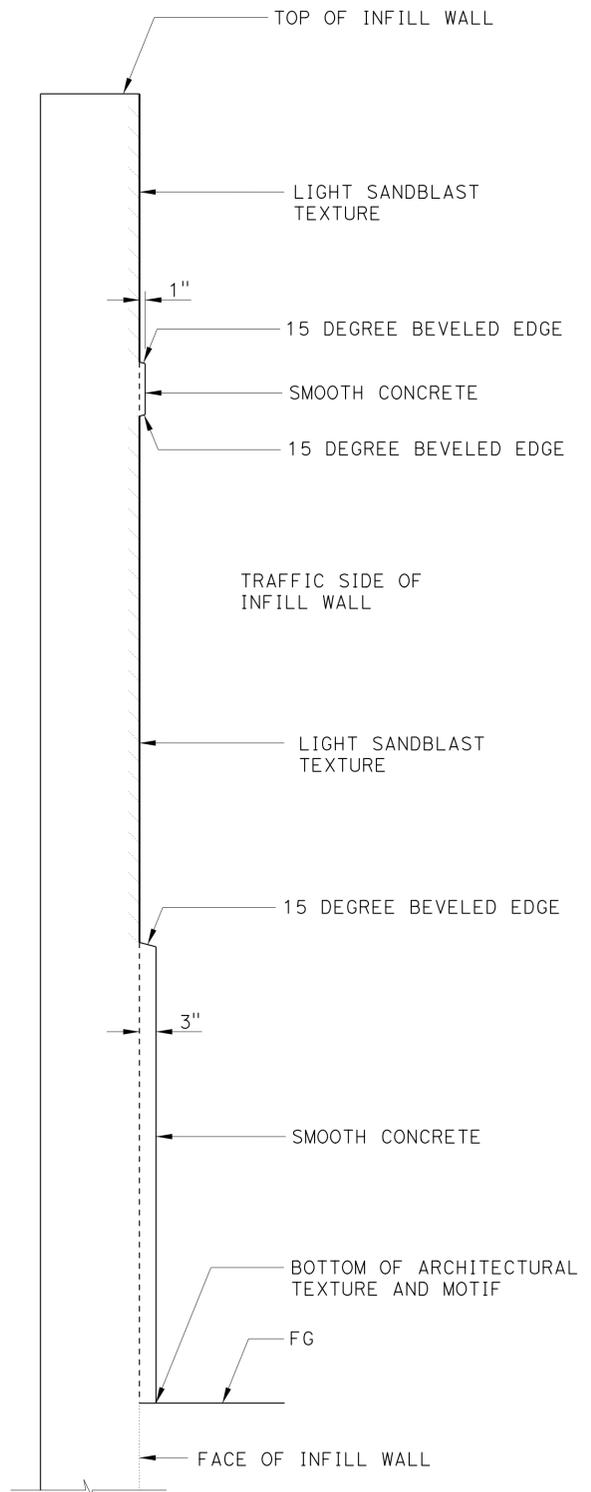
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	80	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

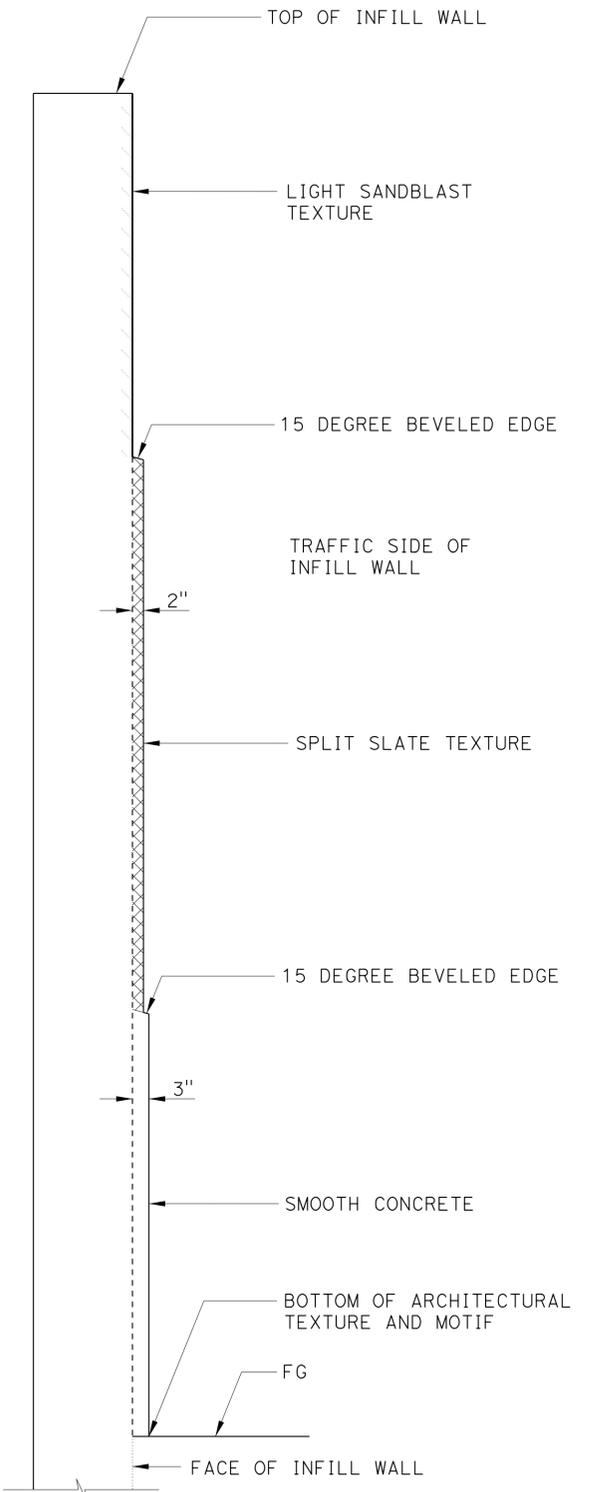
4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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SECTION A-A
NO SCALE



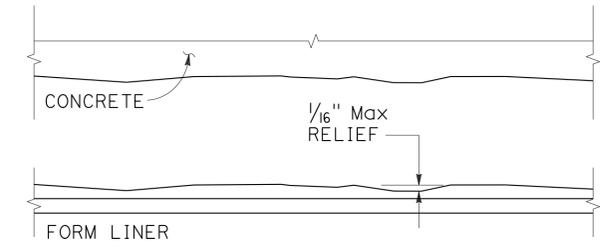
SECTION B-B
NO SCALE

NOTES:

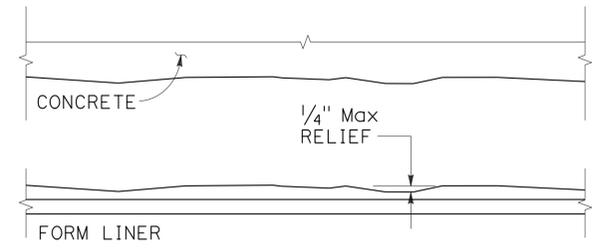
- For location of "SECTION A-A" and "SECTION B-B" see "INFILL WALL 3 ARCHITECTURAL DETAILS NO. 2" sheet.
- Concrete barrier in front of infill wall not shown for clarity.

LEGEND:

- Indicates Light Sand Blast Texture
- Indicates Split Slate Texture



LIGHT SANDBLAST TEXTURE DETAILS
NO SCALE



SPLIT SLATE TEXTURE DETAILS
NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 3 ARCHITECTURAL DETAILS NO. 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	81	90

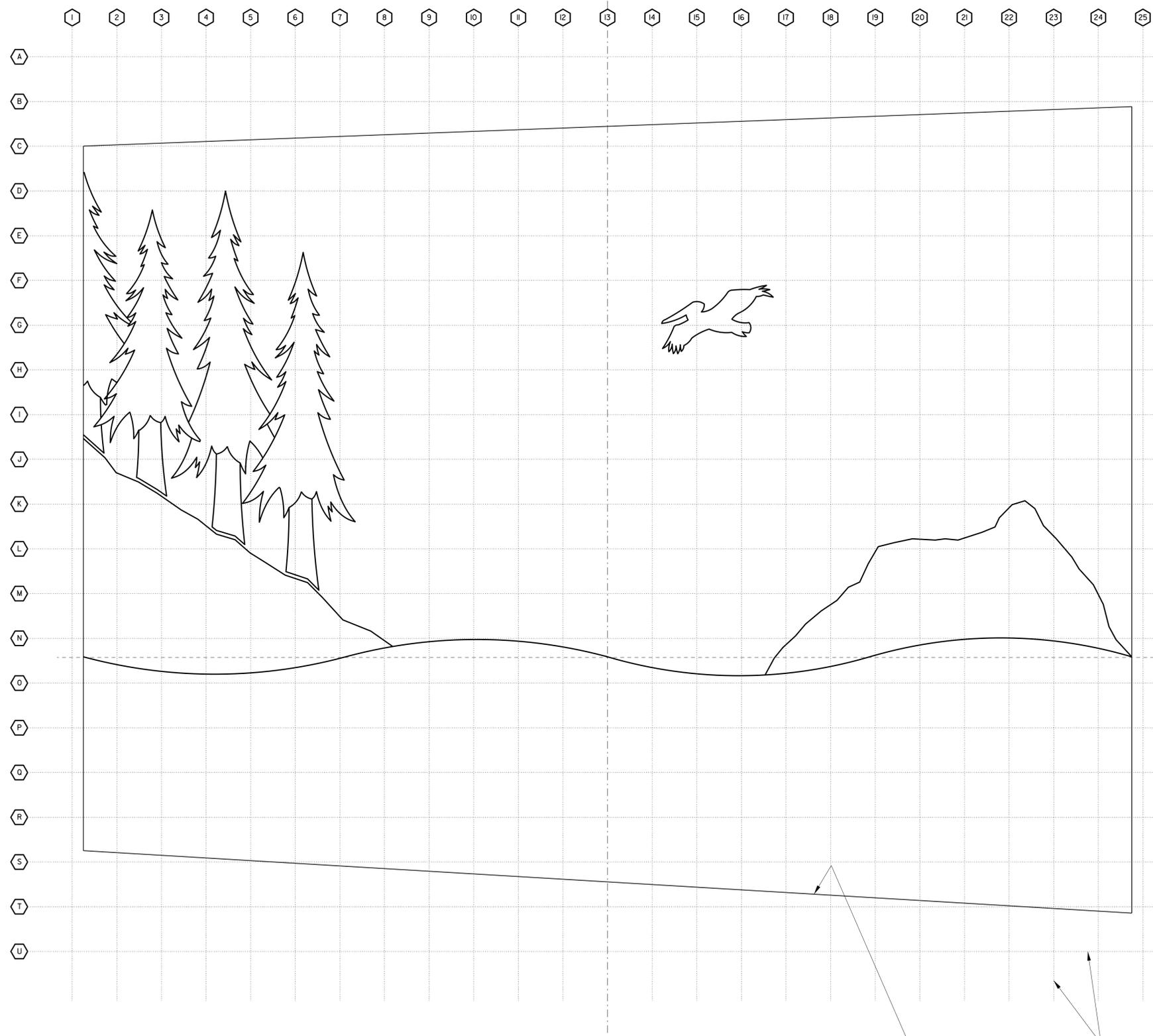
Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

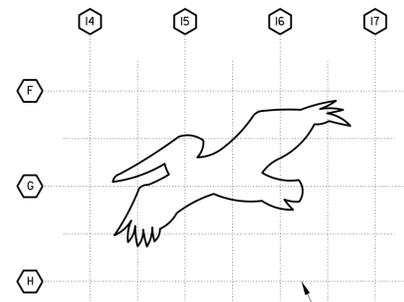
M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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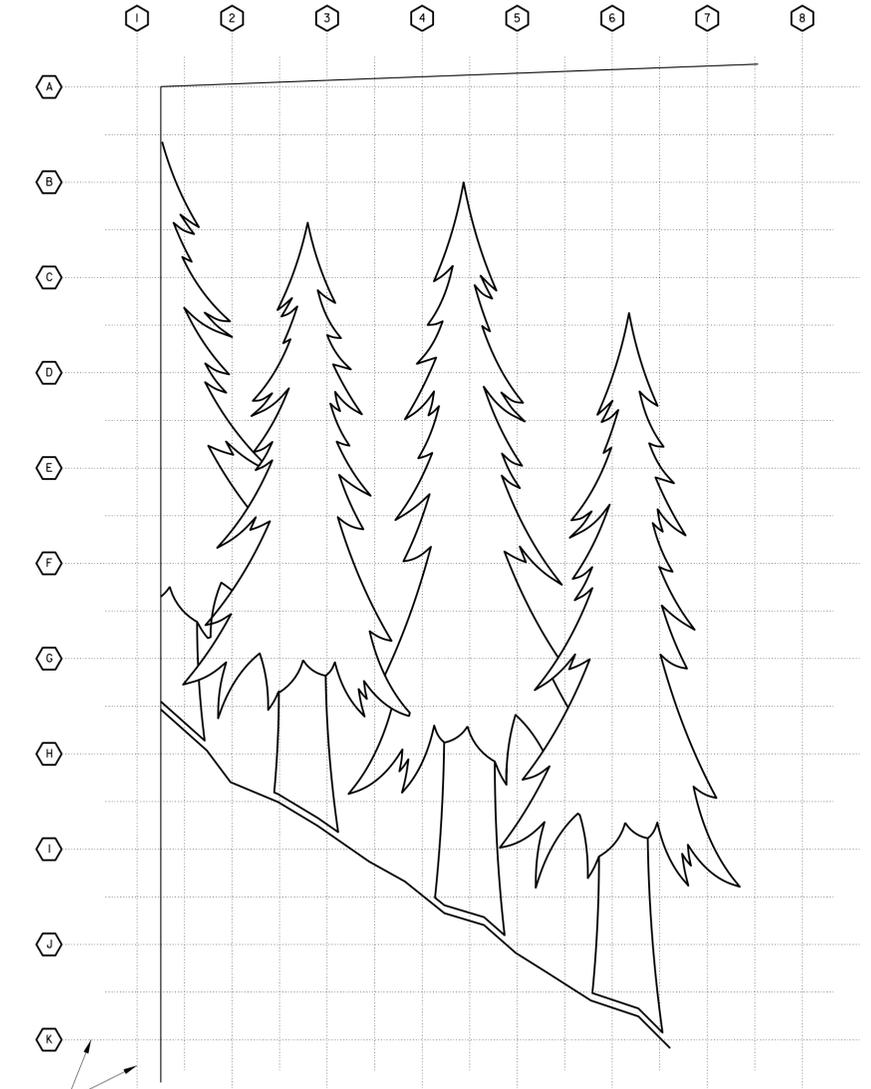
INFILL WALL 4



ARCHITECTURAL MOTIF AT INFILL WALL 4
NO SCALE



PELICAN MOTIF DETAIL
NO SCALE



TREE MOTIF DETAIL
NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 4 ARCHITECTURAL DETAILS NO. 1

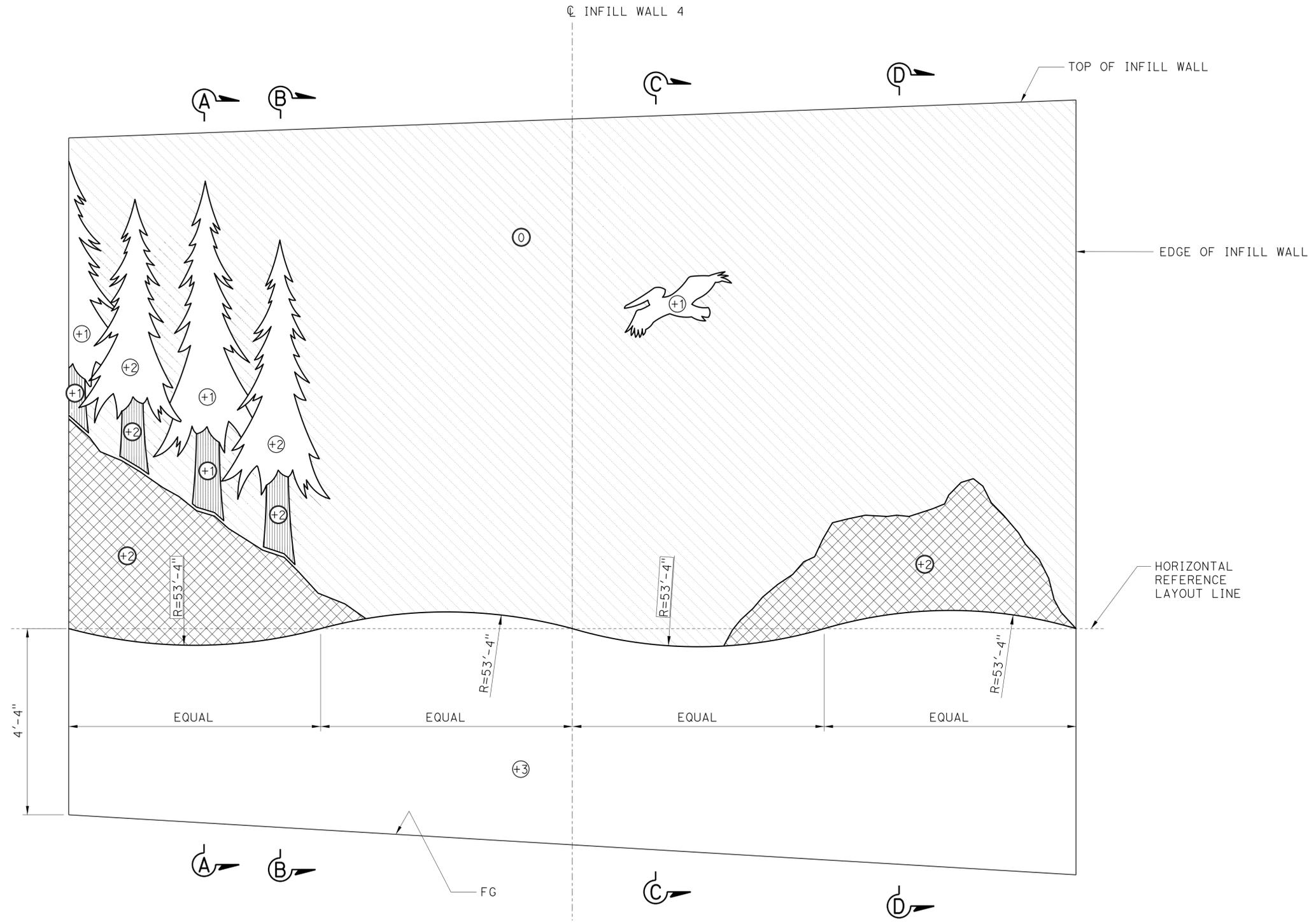
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	82	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

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**ARCHITECTURAL TEXTURE AND MOTIF
 AT INFILL WALL 4**
 NO SCALE

NOTES:

- For "SECTION A-A", "SECTION B-B", "SECTION C-C" and "SECTION D-D", see "INFILL WALL 4 ARCHITECTURAL DETAILS NO. 3" sheet.
- Concrete barrier in front of infill wall not shown for clarity.

LEGEND:

- ⊕ Indicates surface projection in inches from face of Infill Wall
- ▣ Textured concrete surface = split slate texture. Texture relief to be 1/4" maximum. See "INFILL WALL 4 ARCHITECTURAL DETAILS NO. 3" sheet.
- ▣ Textured concrete surface = Yosemite rock texture. Texture relief to be 3/4" maximum. See "INFILL WALL 4 ARCHITECTURAL DETAILS NO. 3" sheet.
- ▣ Textured concrete surface = light sandblast texture. Texture relief to be 1/16" maximum. See "INFILL WALL 4 ARCHITECTURAL DETAILS NO. 3" sheet.
- Smooth concrete surface.

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
INFILL WALL 4 ARCHITECTURAL DETAILS NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	83	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

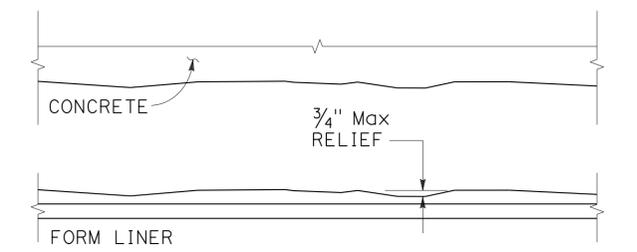
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REGISTERED PROFESSIONAL ENGINEER
 M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL
 STATE OF CALIFORNIA

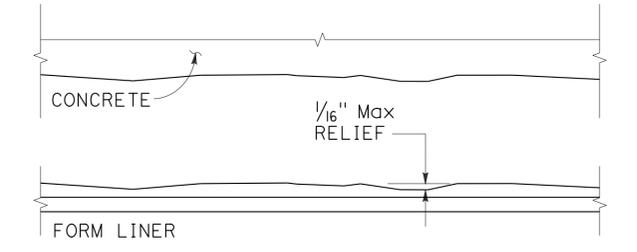
- NOTES:
- For location of "SECTION A-A", "SECTION B-B", "SECTION C-C" and "SECTION D-D", see "INFILL WALL 4 ARCHITECTURAL DETAILS NO. 2" sheet.
 - Concrete barrier in front of infill wall not shown for clarity.

LEGEND:

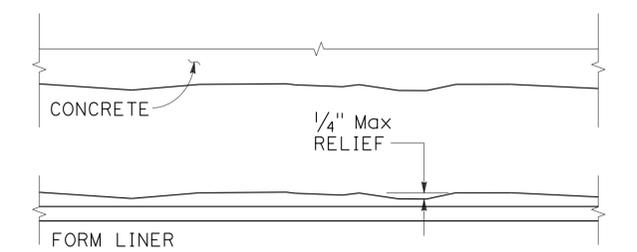
- Indicates Yosemite Rock Texture
- Indicates Light Sand Blast Texture
- Indicates Split Slate Texture



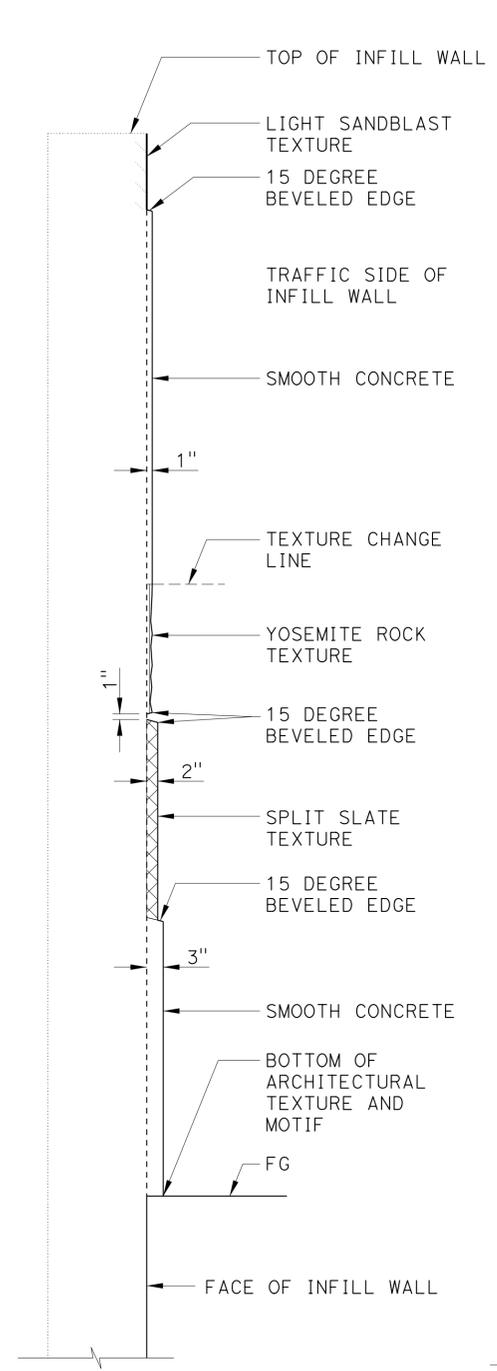
YOSEMITE ROCK TEXTURE DETAILS
 NO SCALE



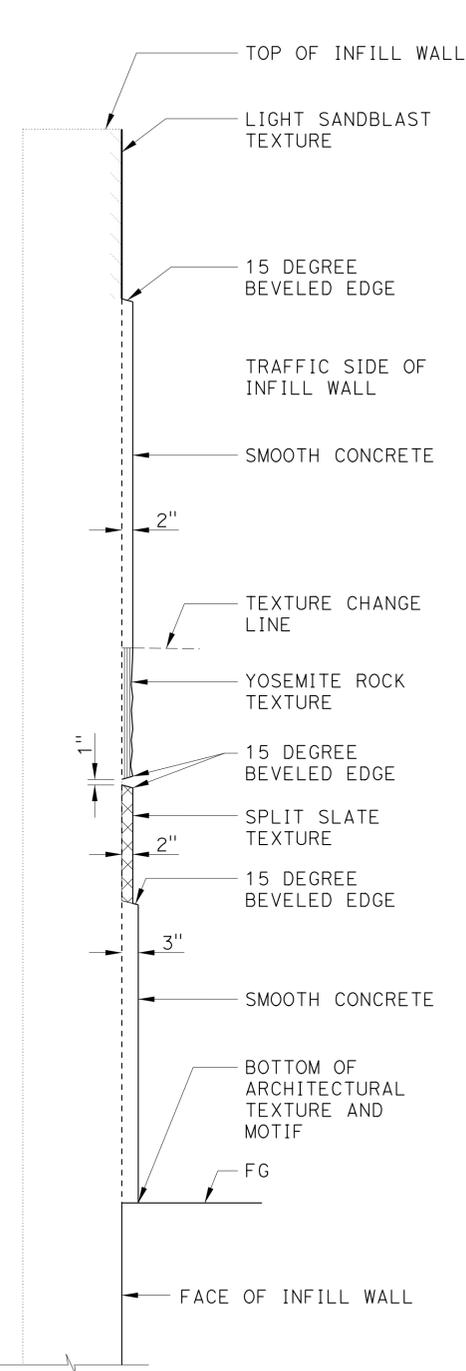
LIGHT SANDBLAST TEXTURE DETAILS
 NO SCALE



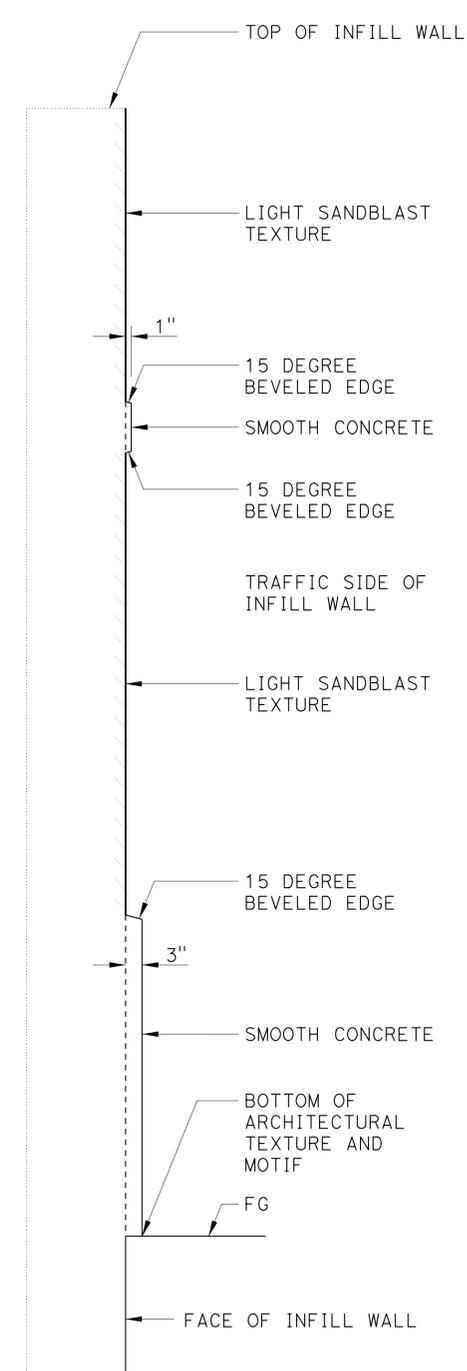
SPLIT SLATE TEXTURE DETAILS
 NO SCALE



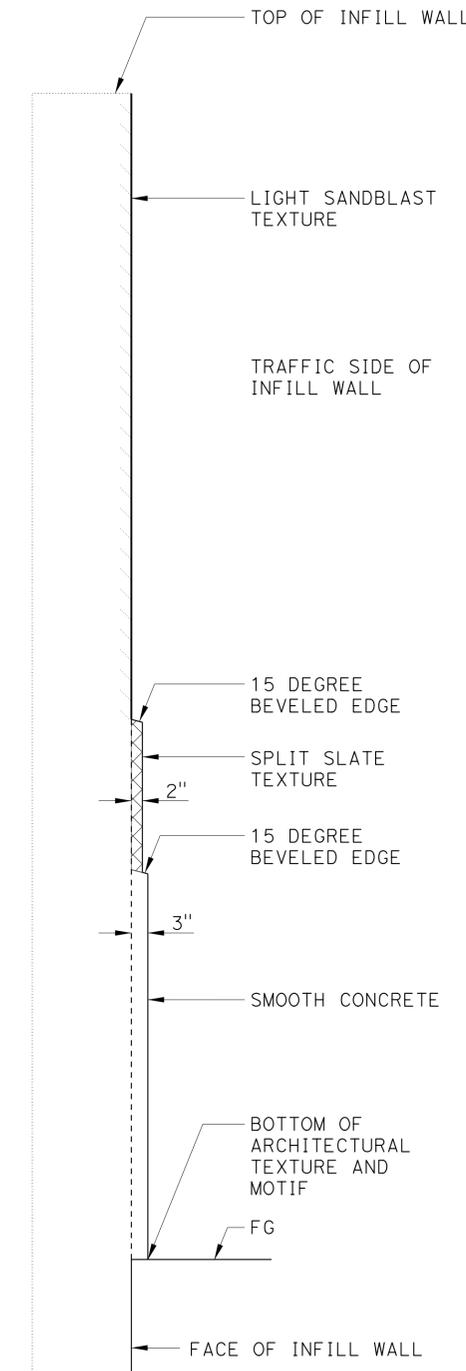
SECTION A-A
 NO SCALE



SECTION B-B
 NO SCALE



SECTION C-C
 NO SCALE



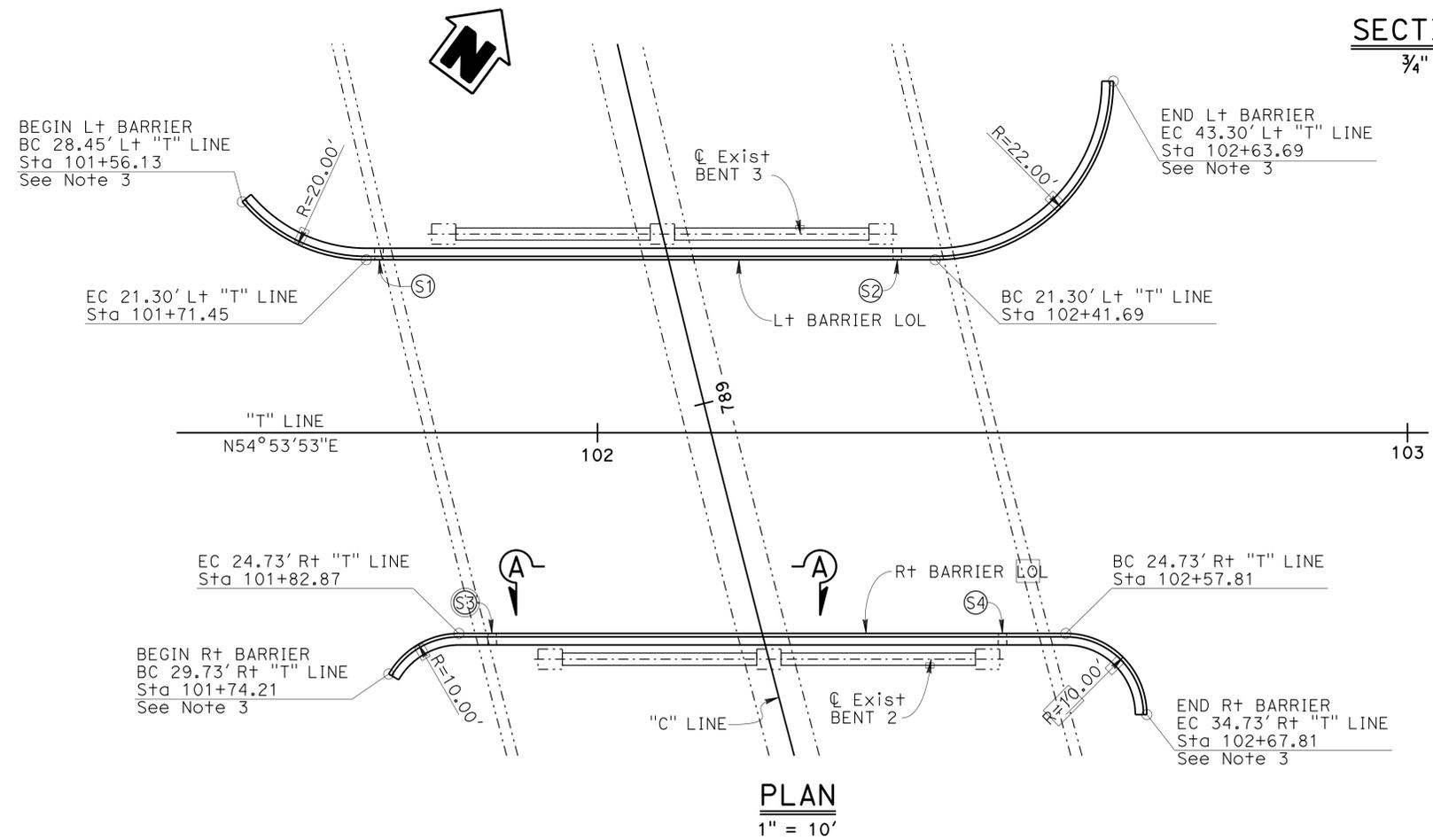
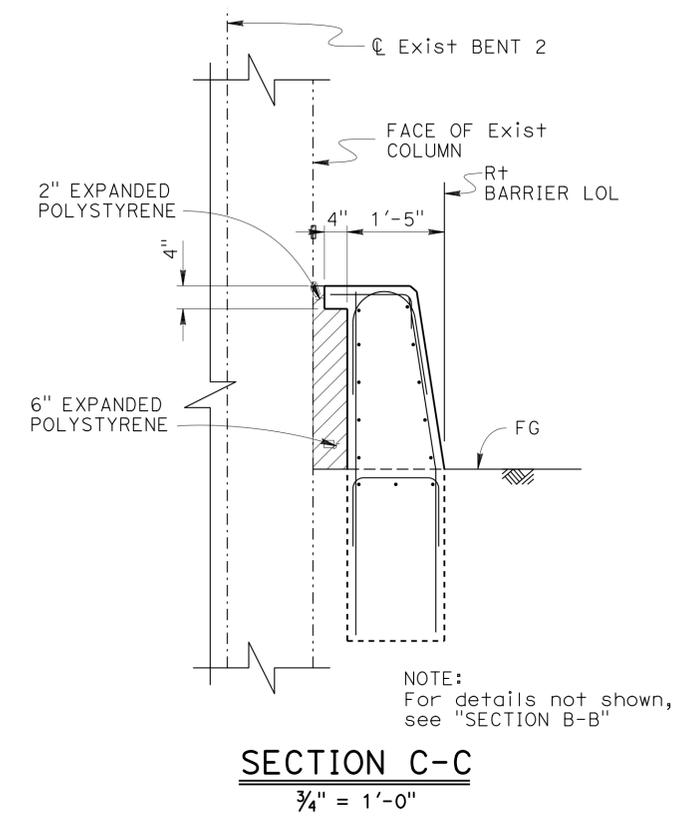
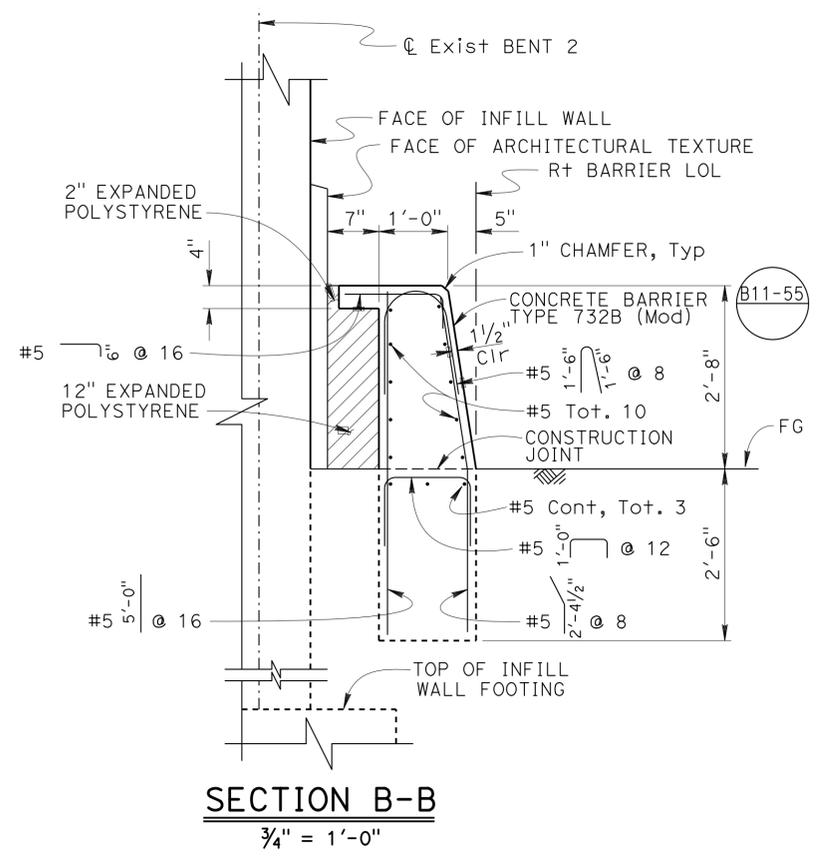
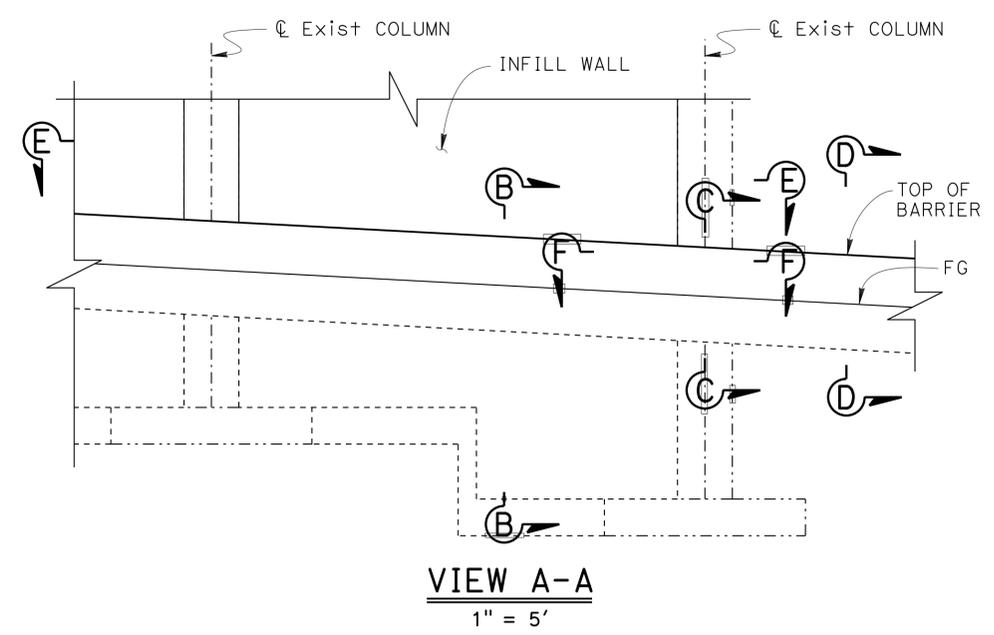
SECTION D-D
 NO SCALE

DESIGN	BY S. HEATH	CHECKED H. CHAVEZ
DETAILS	BY S. HEATH	CHECKED H. CHAVEZ
QUANTITIES	BY M. Kodsuntie	CHECKED G. Dickerson

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 04-0058	TRINIDAD ROAD UC (SEISMIC RETROFIT)
DEPARTMENT OF TRANSPORTATION	STRUCTURE DESIGN	POST MILE 100.71	INFILL WALL 4 ARCHITECTURAL DETAILS NO. 3

UNIT: 3592	PROJECT NO. & PHASE: 0100020153 1	CONTRACT NO.: 01-459701
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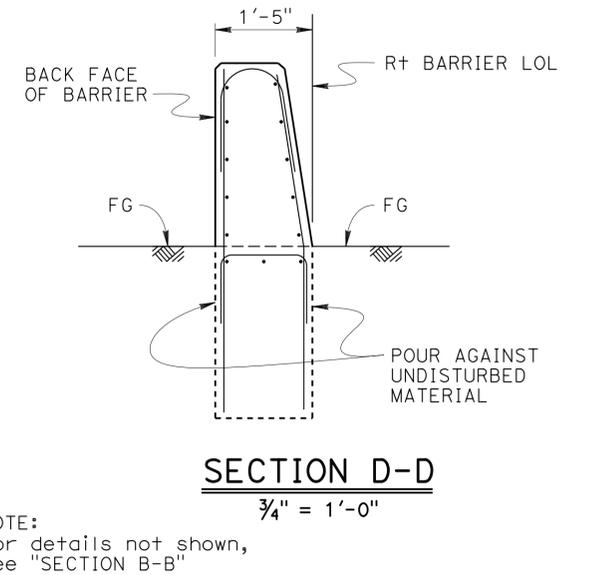
DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 20 OF 24
	6-29-12 11-16-12	



- NOTES:
- Right side barrier details shown, left side similar
 - For "SECTION E-E" and "SECTION F-F", see "BARRIER DETAILS NO. 2" sheet
 - End of barrier shall be embedded one foot into embankment, adjust as directed by the Engineer

SCUPPERS IN CONCRETE BARRIER (B7-8)

Designation	Location along "T" Line
Ⓢ1	21.30' Lt Sta 101+73
Ⓢ2	21.30' Lt Sta 102+37
Ⓢ3	24.73' Rt Sta 101+87
Ⓢ4	24.73' Rt Sta 102+50



DESIGN	BY M. Kodsuntie	CHECKED P. Hong
DETAILS	BY G. Dickerson	CHECKED P. Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO. 04-0058
POST MILE 100.71
TRINIDAD ROAD UC (SEISMIC RETROFIT)
BARRIER DETAILS NO. 1

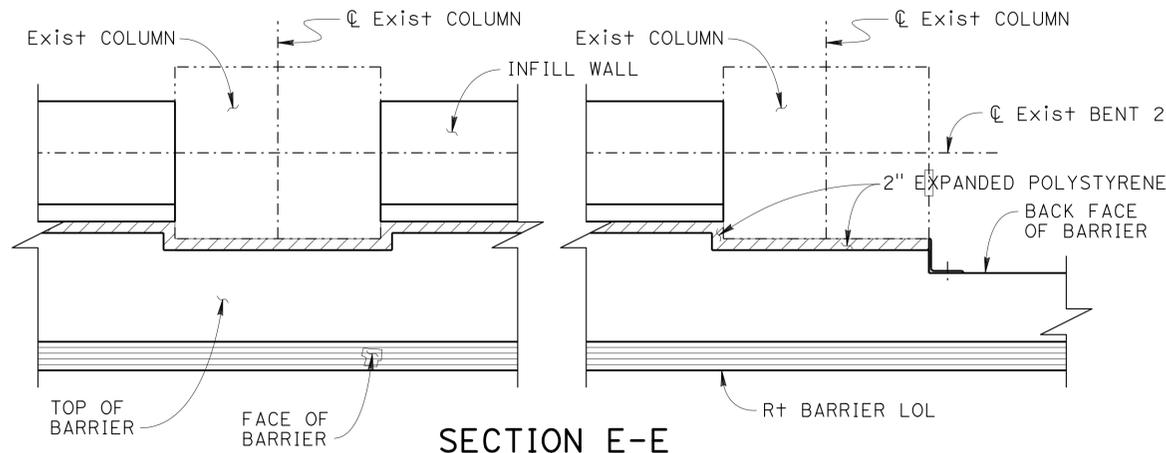
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	85	90

Manode Kodsuntie 1-16-12
 REGISTERED CIVIL ENGINEER DATE

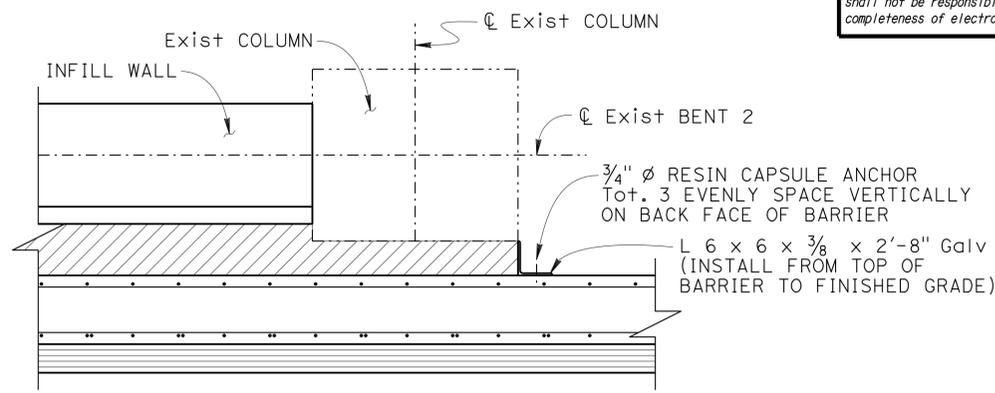
4-29-13
 PLANS APPROVAL DATE

M. Kodsuntie
 No. C56671
 Exp. 06-30-13
 CIVIL

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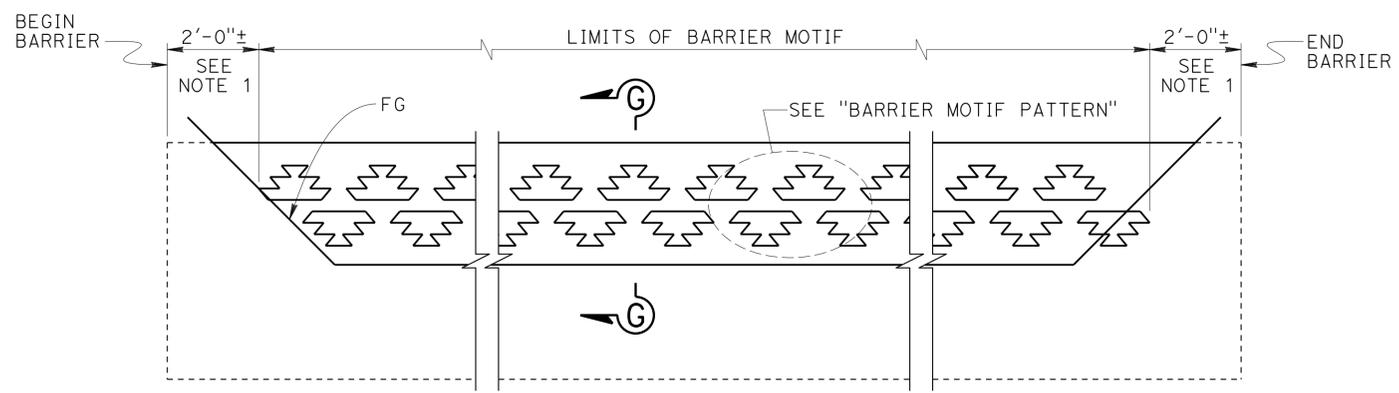


SECTION E-E
 $\frac{3}{4}'' = 1'-0''$

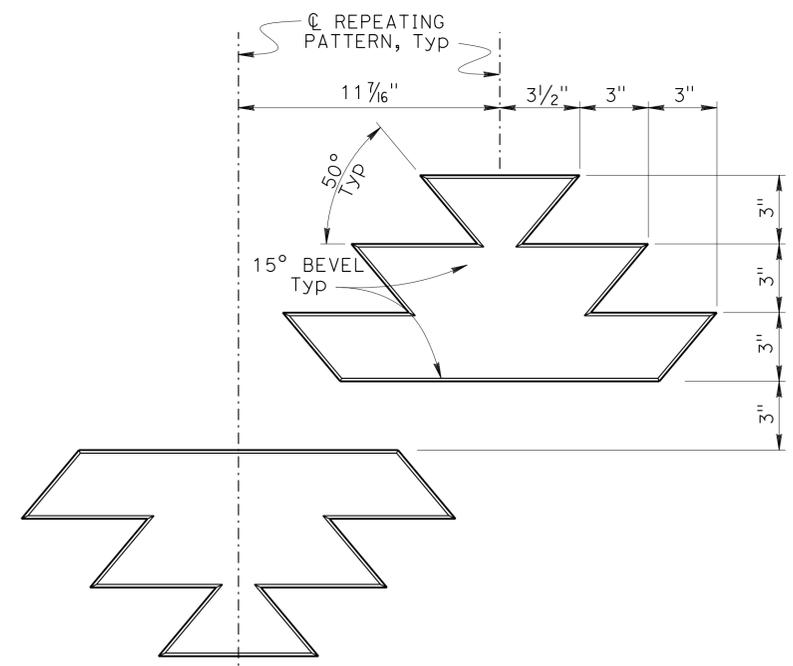


SECTION F-F
 $\frac{3}{4}'' = 1'-0''$

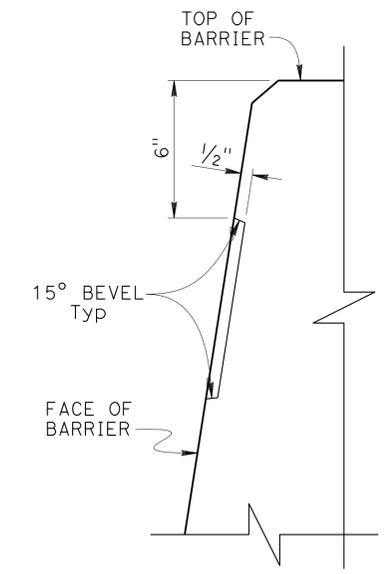
NOTES:
 For details not shown, see "SECTION B-B" on "BARRIER DETAILS NO. 1" sheet
 Right side barrier shown, left side similar



CONCRETE BARRIER DEVELOPED ELEVATION
 $\frac{1}{2}'' = 1'-0''$



BARRIER MOTIF PATTERN
 $3'' = 1'-0''$



SECTION G-G
 $3'' = 1'-0''$

- NOTES:
- Adjust dimension as required so that pattern begins and ends with a complete shape and end dimensions are equal
 - For location of "SECTION E-E" and "SECTION F-F", see "BARRIER DETAILS NO. 1" sheet

DESIGN	BY M. Kodsuntie	CHECKED Pyo Hong
DETAILS	BY G. Dickerson	CHECKED Pyo Hong
QUANTITIES	BY M. Kodsuntie	CHECKED G. Schuster

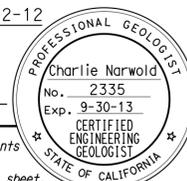
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO.	04-0058
POST MILE	100.71

TRINIDAD ROAD UC (SEISMIC RETROFIT)
BARRIER DETAILS NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	101	97.7/100.7	86	90

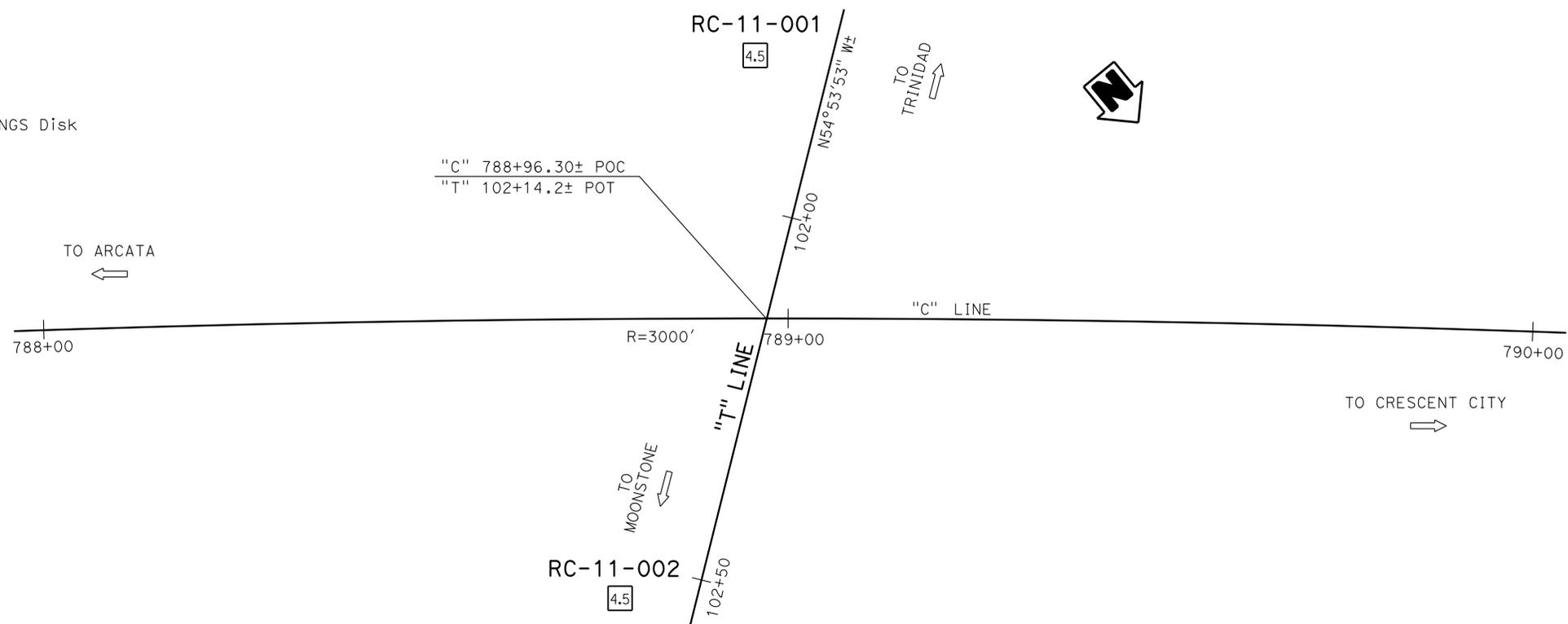


 6-12-12
 CERTIFIED ENGINEERING GEOLOGIST
 4-29-13
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

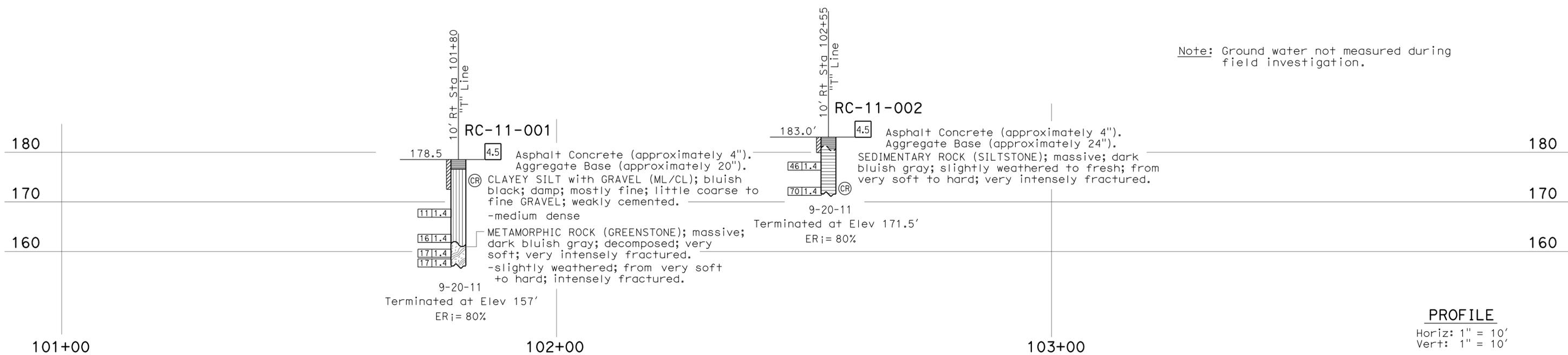
This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (2010 Edition). See 2010 Standard Plans A10F and A10G for Soil Legend, and A10H for Rock Legend.

BENCH MARK

Fnd Stamped 3/2" Benchmark NGS Disk
 33.83' Rt "C" Line, C Rte 101
 Sta 788+10.44
 N 2,277,389.74
 E 5,971,924.06
 Elev 207.65'
 NAVD88



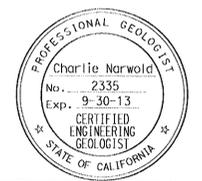
PLAN
1" = 10'



ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		TRINIDAD ROAD UC (SEISMIC RETROFIT)	
FUNCTIONAL SUPERVISOR		DRAWN BY: I.G-Remmen		DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN		04-0058		LOG OF TEST BORINGS 1 OF 2	
NAME: R. Bibbens		CHECKED BY: R. Newman		FIELD INVESTIGATION BY: D. Vann		DESIGN BRANCH 7		POST MILE			
								100.71			
065 CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643		PROJECT NO. & PHASE: 0100020153 1		CONTRACT NO.: 01-459701		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
				0 1 2 3				REVISION DATES		SHEET OF	
								05-31-12		23 24	

USERNAME => s124496 DATE PLOTTED => 29-APR-2013 TIME PLOTTED => 08:52

DATE APPROVED: _____



TO ACCOMPANY PLANS DATED 4-29-13

DIVISION OF ENGINEERING SERVICES - MATERIALS AND GEOTECHNICAL SERVICES
 As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. It does not attest to the accuracy or validity of the information contained in the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

DIST.	COUNTY	ROUTE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
01	Hum	101	97.7/100.7	87	90

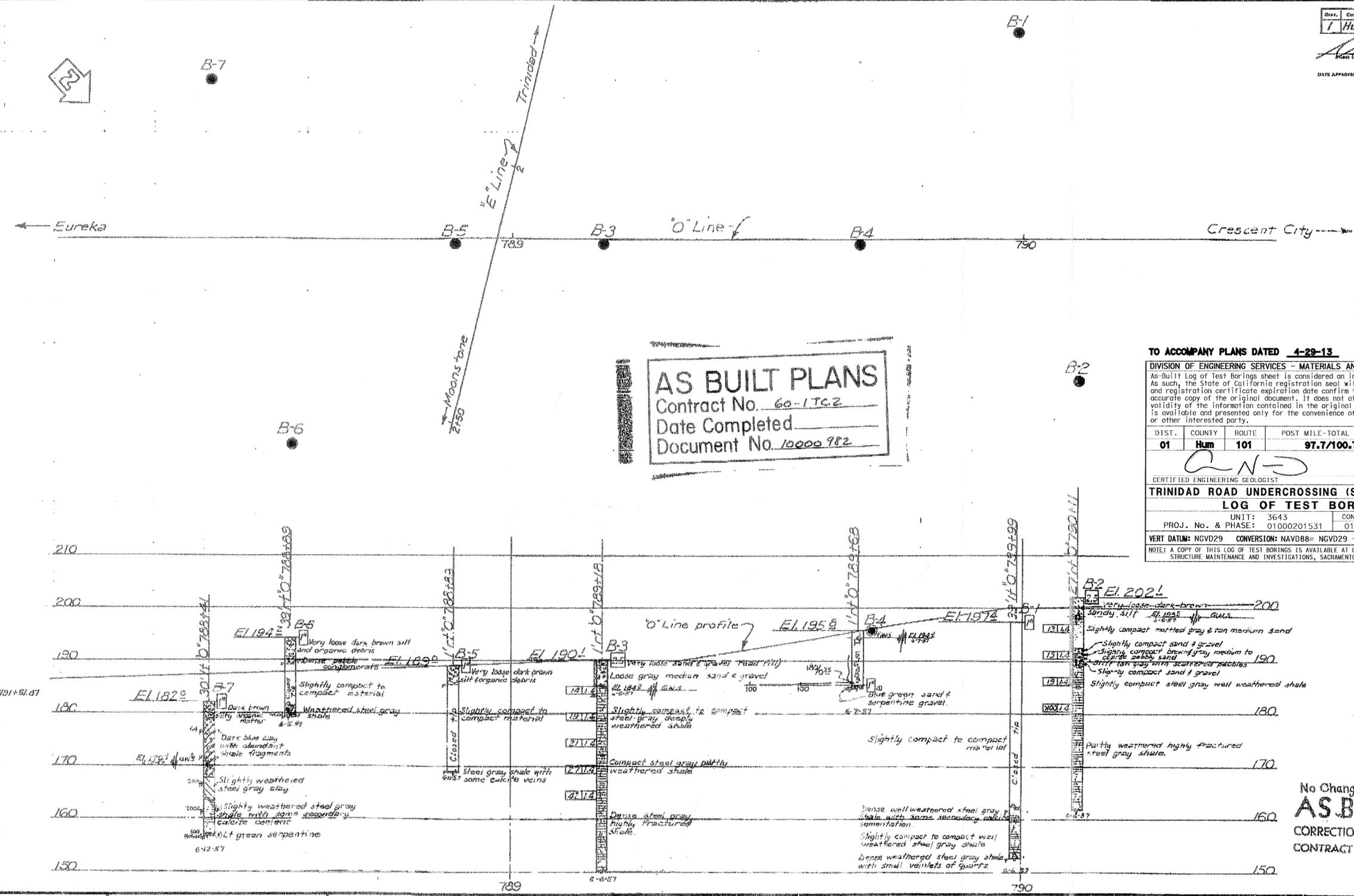
CERTIFIED ENGINEERING GEOLOGIST DATE: 5/30/12

TRINIDAD ROAD UNDERCROSSING (SEISMIC RETROFIT)
 LOG OF TEST BORINGS 2 OF 2

UNIT:	3643	CONTRACT NO.:	01-459701	BRIDGE NO.:	04-0058
PROJ. No. & PHASE:	01000201531	CONVERSION:	NGVD88= NGVD29 + 3.09 ft	Sheet	of
VERT DATUM:	NGVD29	CONVERSION:	NGVD88= NGVD29 + 3.09 ft	24	24

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

AS BUILT PLANS
 Contract No. 60-1TC2
 Date Completed _____
 Document No. 10000 982

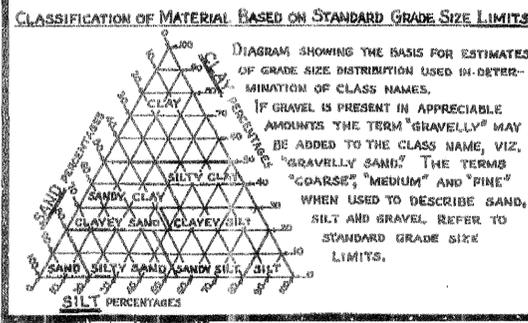


BRIDGE DEPARTMENT

FIELD STUDY: P. W. ...
 DRAWN: ...
 CHECKED: ...
 APPROVED: ...

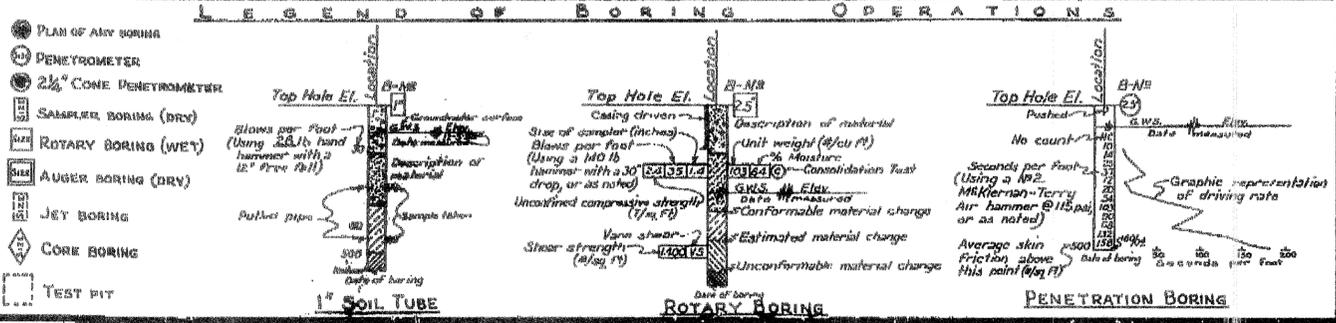
BM
 Brass cap in rock at "B" & 781+51.87
 64.2 ft "O" 789+33±
 Elev. 200.58

No Changes
AS BUILT
 CORRECTIONS BY James I. McCloud
 CONTRACT NO. 60-1TC2-F
 July 1, 1960



LEGEND OF EARTH MATERIALS

GRAVEL	SILTY SILT OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK



NOTES
 The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans.
 Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF HIGHWAYS

TRINIDAD ROAD UNDERCROSSING

LOG OF TEST BORINGS

SCALE: 1" = 10' BRIDGE 4-58 FILE C-4 DRAWING C-5518-9

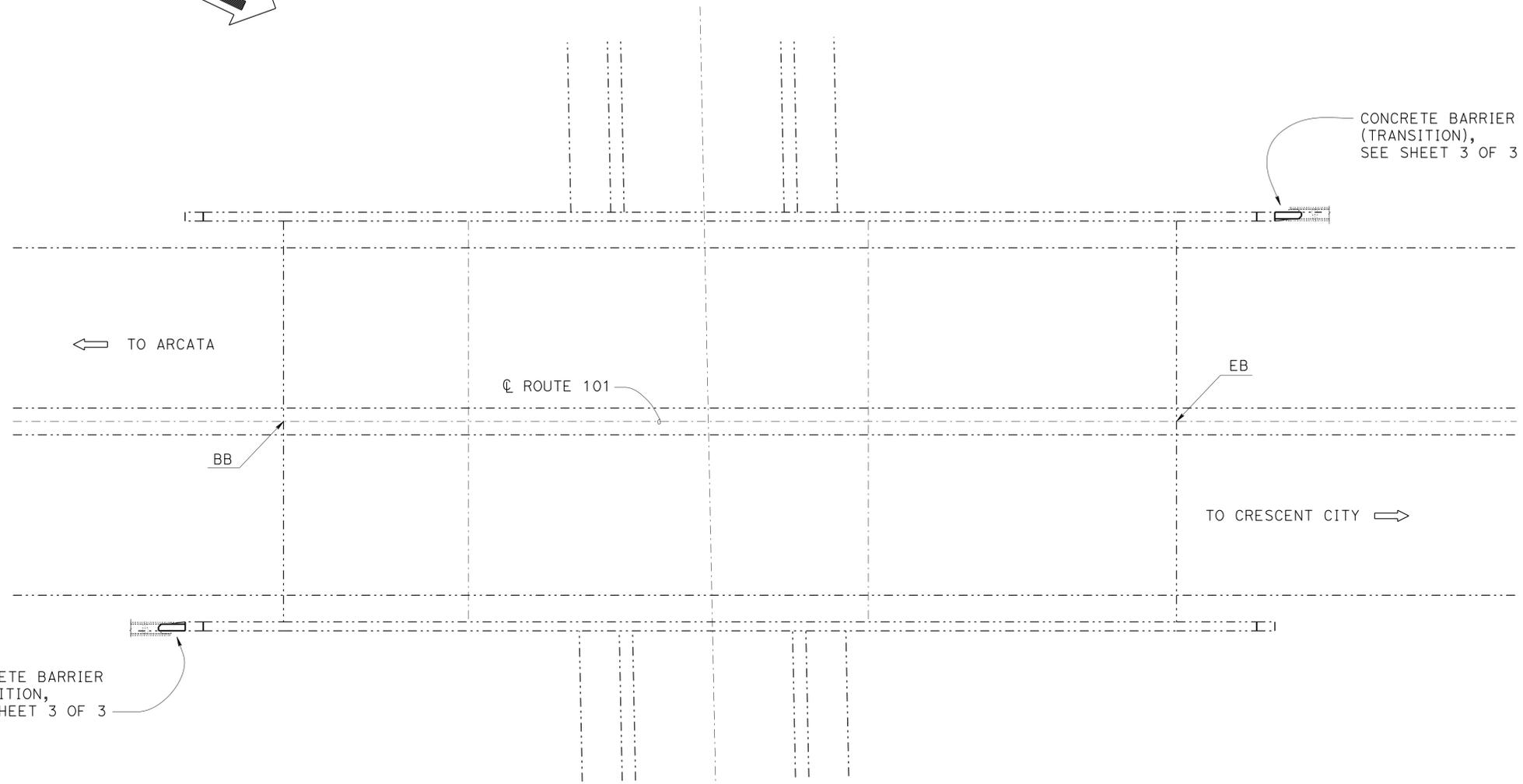
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	88	90

Genaro M. Doria 8-30-12
REGISTERED CIVIL ENGINEER DATE

4-29-13
PLANS APPROVAL DATE

No. C63583
Exp. 9/30/12
CIVIL

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LEGEND

- Indicates existing structure
- Indicates new construction

INDEX TO PLANS

SHEET No.	TITLE
1	WESTHAVEN DRIVE UC - CONCRETE BARRIER (TRANSITION) GENERAL PLAN & LAYOUT
2	TRINIDAD ROAD UC - CONCRETE BARRIER (TRANSITION) GENERAL PLAN & LAYOUT
3	CONCRETE BARRIER (TRANSITION) MISCELLANEOUS DETAILS

QUANTITIES

CONCRETE BARRIER (TRANSITION)	11 LF
-------------------------------	-------

CONCRETE BARRIER (TRANSITION LAYOUT)

3/32" = 1'-0"

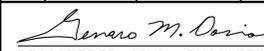
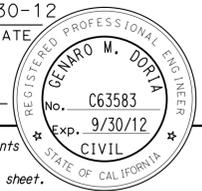
NOTE:
FOR MBGR SEE ROAD PLANS.

STANDARD PLANS DATED 2010

- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A78F1 DOUBLE THRIE BEAM BARRIER-CONNECTION TO BRIDGE RAILINGS WITHOUT SIDEWALKS

JAMES SAGAR DESIGN ENGINEER	DESIGN	BY G DORIA	CHECKED J MAGANA	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN SPECIAL DESIGN BRANCH	BRIDGE NO.	WESTHAVEN DRIVE UC - CONCRETE BARRIER (TRANSITION) GENERAL PLAN AND LAYOUT		
	DETAILS	BY P C WELLS	CHECKED G DORIA	LAYOUT	BY P WELLS			CHECKED G DORIA		POST MILE	
	QUANTITIES	BY G DORIA	CHECKED J MAGANA	SPECIFICATIONS	BY MARY KOPSA			98.1			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						0 1 2 3	UNIT: 3625 PROJECT NUMBER & PHASE: 0100020153		CONTRACT NO.: 01-459701		
DISREGARD PRINTS BEARING EARLIER REVISION DATES								REVISION DATES 12-98-11 8-30-12		SHEET 1	OF 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	89	90

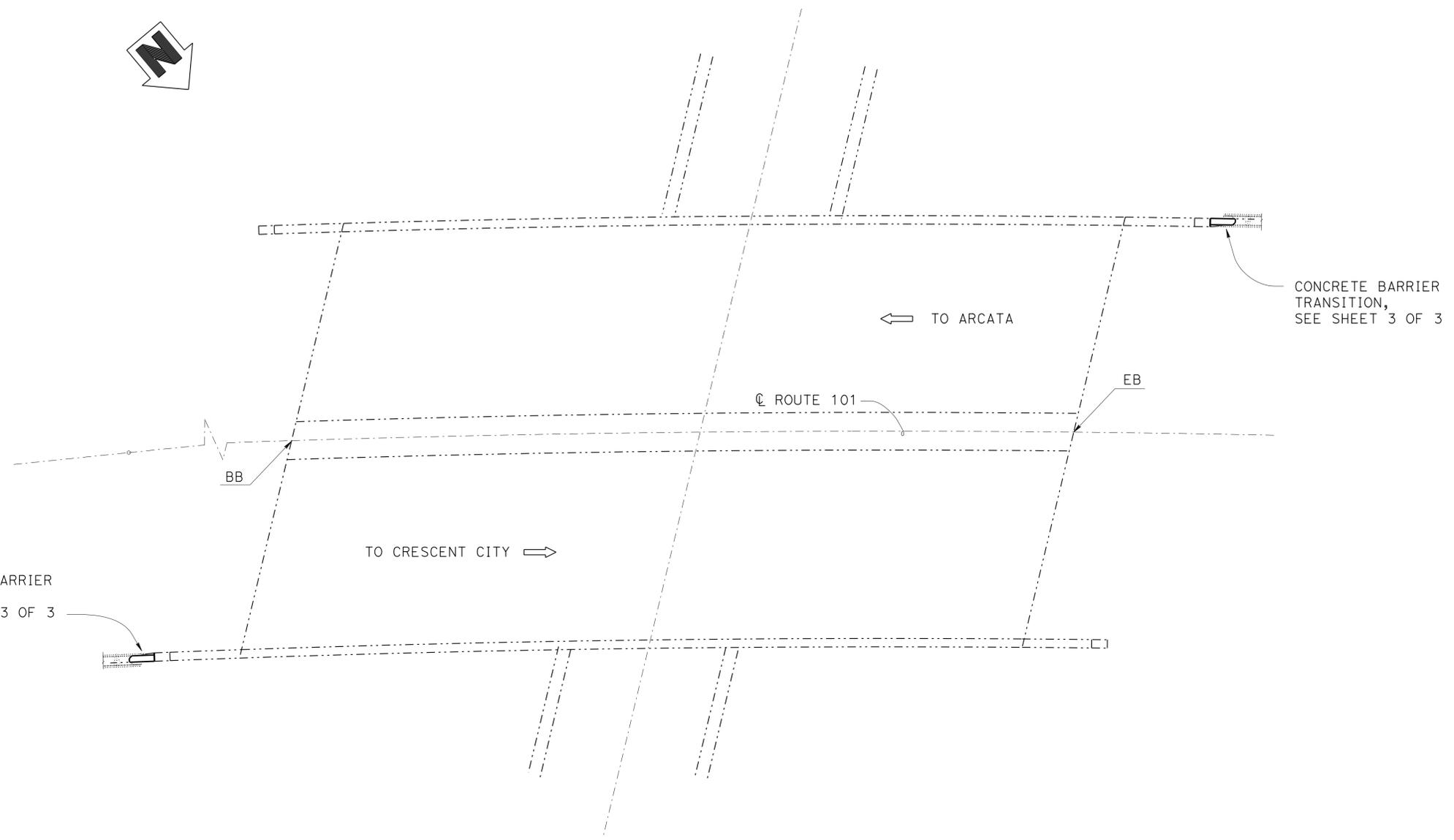
 8-30-12
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE


The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



LEGEND

- Indicates existing structure
- Indicates new construction



QUANTITIES

CONCRETE BARRIER (TRANSITION) 11 LF

CONCRETE BARRIER TRANSITION LAYOUT

3/32" = 1'-0"

NOTE:
FOR MBGR SEE ROAD PLANS.

JAMES SAGAR
DESIGN ENGINEER

DESIGN	BY G DORIA	CHECKED N KANEPATHIPILLAI
DETAILS	BY P C WELLS	CHECKED G DORIA
QUANTITIES	BY G DORIA	CHECKED N KANEPATHIPILLAI

LOAD & RESISTANCE FACTOR DESIGN	BY P WELLS	CHECKED G DORIA
LAYOUT	BY MARY KOPSA	CHECKED XX

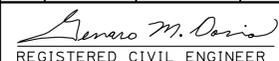
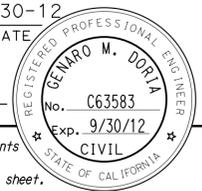
LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE	BY P WELLS	CHECKED G DORIA
SPECIFICATIONS	BY MARY KOPSA	CHECKED XX

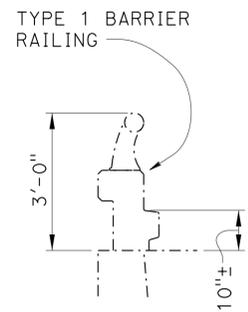
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
SPECIAL DESIGN BRANCH

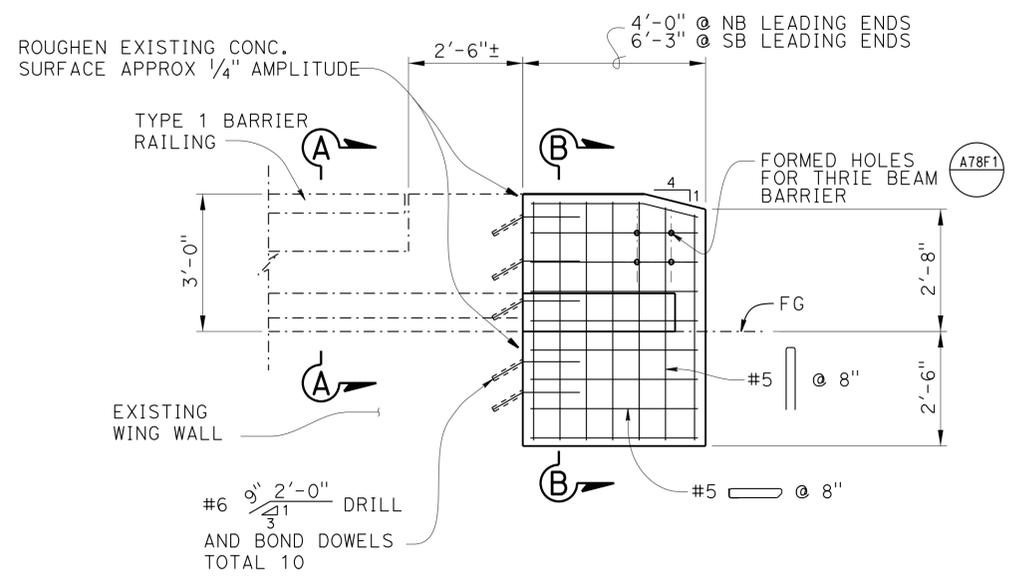
BRIDGE NO.	04-0058
POST MILE	100.7

TRINIDAD ROAD UC - CONCRETE BARRIER TRANSITION
GENERAL PLAN & LAYOUT

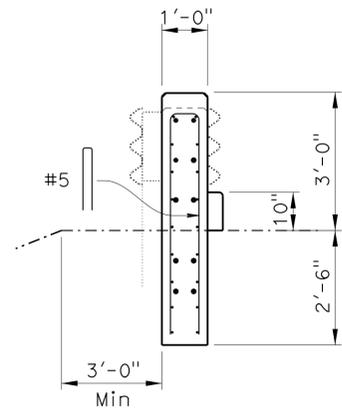
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	97.7/100.7	90	90
 REGISTERED CIVIL ENGINEER			8-30-12	DATE	
PLANS APPROVAL DATE 4-29-13					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



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



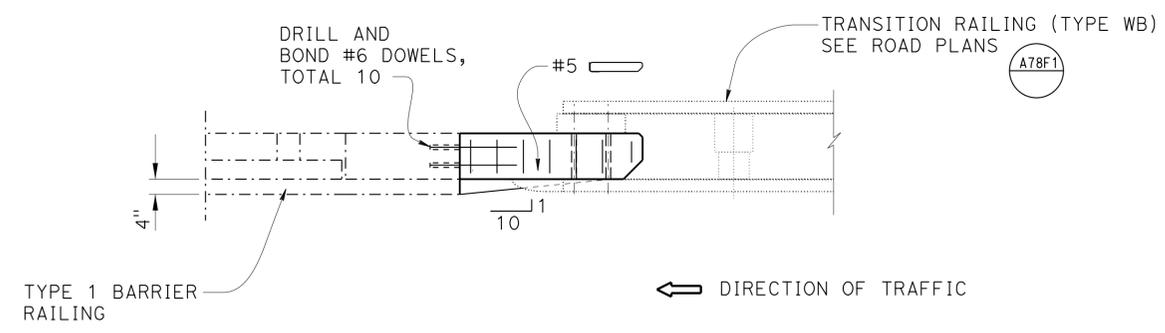
ELEVATION
1/2" = 1'-0"



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

LEGEND

- Indicates existing structure
- Indicates new construction



PLAN
1/2" = 1'-0"

NOTES:

1. All reinforcement to be epoxy coated.
2. See Road Plans for work locations.
3. Epoxy fill drilled holes for bolts used to fasten existing MBGR to existing end block, unless holes were cast using pipe sleeves.
4. Minimum 1" cover, typical.

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

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY G DORIA	CHECKED J MAGANA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	VARIES	TYPE 1 CONCRETE BARRIER (TRANSITION) MISCELLANEOUS DETAILS	
	DETAILS	BY P C WELLS	CHECKED G DORIA		SPECIAL DESIGNS BRANCH	POST MILE		VARIES
	QUANTITIES	BY G DORIA	CHECKED J MAGANA					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT: 3619 PROJECT NUMBER & PHASE: 0100020153	CONTRACT NO.: 01-459701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 9-14-11 12-7-11 8-30-12	SHEET 3 OF 3