

INFORMATION HANDOUT

**For Contract No. 05-1C3304
At 05-Mon-101-57.1/60.8**

**Identified by
Project ID 0512000118**

MATERIALS INFORMATION

Boring Location Maps

Boring Records

As-Built Log of Test Borings

Geologic Map & Seismic Map

Material Properties Summary

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
GEOTHECNICAL SERVICES**

File: 05-Mon-101-57.1/60.8
EA 05-1C3301
Project ID 051200118
Median Barrier
And Rumble Strip

MATERIALS INFORMATION

For Route 101 Median Barrier and Rumble Strip in
Monterey County South of Soledad on Route 101 from
1.2 miles north of Hudson Road to Salinas River Bridge (BR. NO. 44-02)

The records from which this
information was compiled may
be inspected at:
The Department of Transportation
50 Higuera Street
San Luis Obispo, CA, 93401

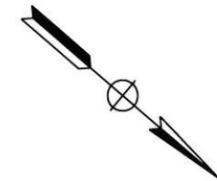
Index:

- Boring Location Maps
- Boring Records
- As-Built Log of Test Borings
- Geologic Map & Seismic Map
- Material Properties Summary

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	101	57.1/60.8	1	7

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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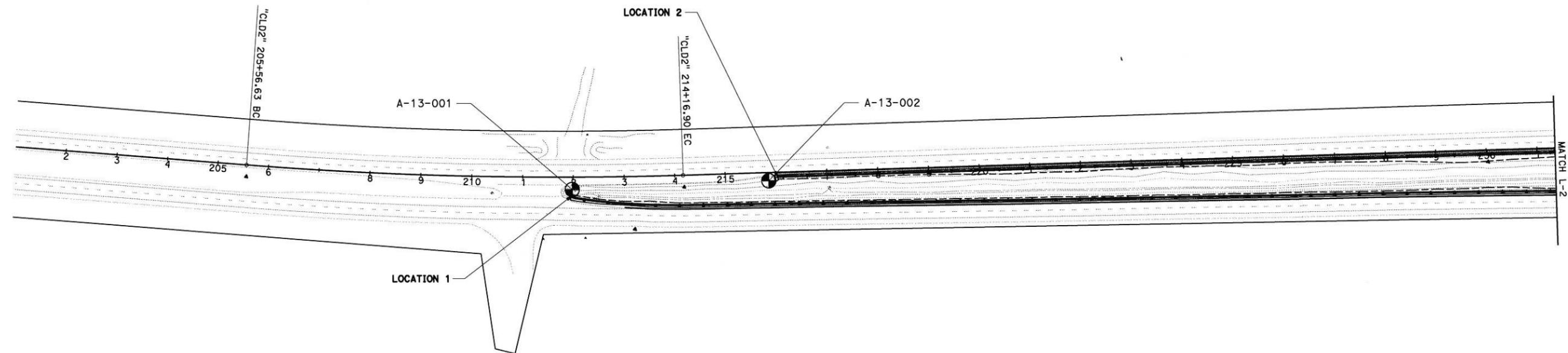


EA 05-1C3301 EFIS 05120001181
 MON-101-PM 57.1/60.8
 HIGH TENSION CABLE MEDIAN BARRIER

LEGEND

HIGH TENSION CABLE BARRIER

RIGHT OF WAY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FUNCTIONAL SUPERVISOR

CHECKED BY

DESIGNED BY

REVISOR

DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s100205
 DGN FILE => 1c330_L1.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 1465

PROJECT NUMBER & PHASE 05120001180

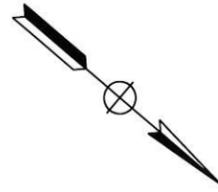
LAYOUT
L-1

SCALE: 1"=100'

DATE PLOTTED => 19-DEC-2013
 TIME PLOTTED => 14:15

x
x
x
x
x

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY
		CHECKED BY	DATE REVISED

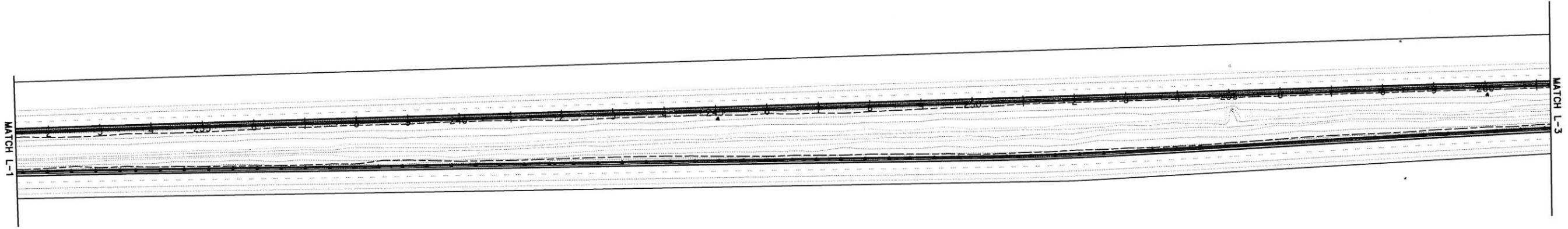


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	101	57.1/60.8	2	7

REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

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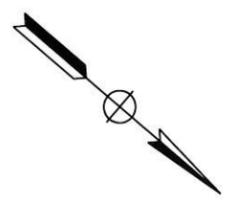


LAYOUT
L-2

SCALE: 1"=100'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

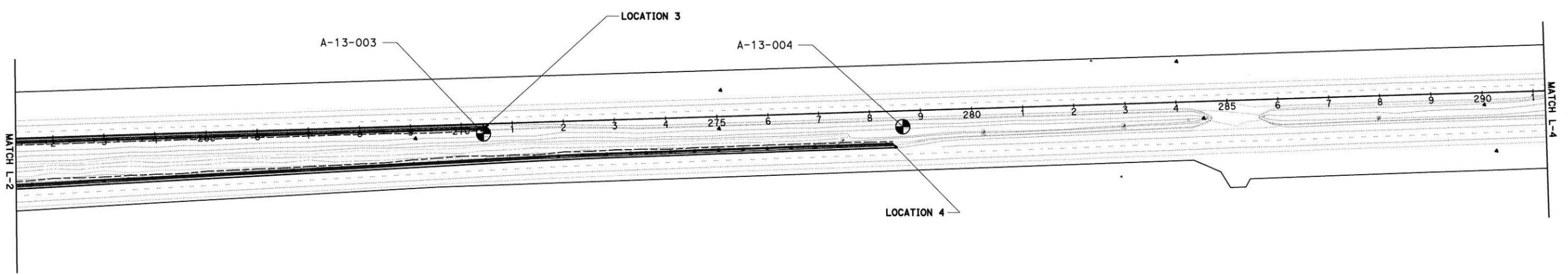
FUNCTIONAL SUPERVISOR
 CALCULATED-DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	101	57.1/60.8	3	7

REGISTERED CIVIL ENGINEER DATE _____
 PLANS APPROVAL DATE _____

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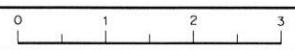
**LAYOUT
L-3**

SCALE: 1"=100'

BORDER LAST REVISED 7/2/2010

USERNAME => s100205
 DGN FILE => 1c330_L3.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 1465

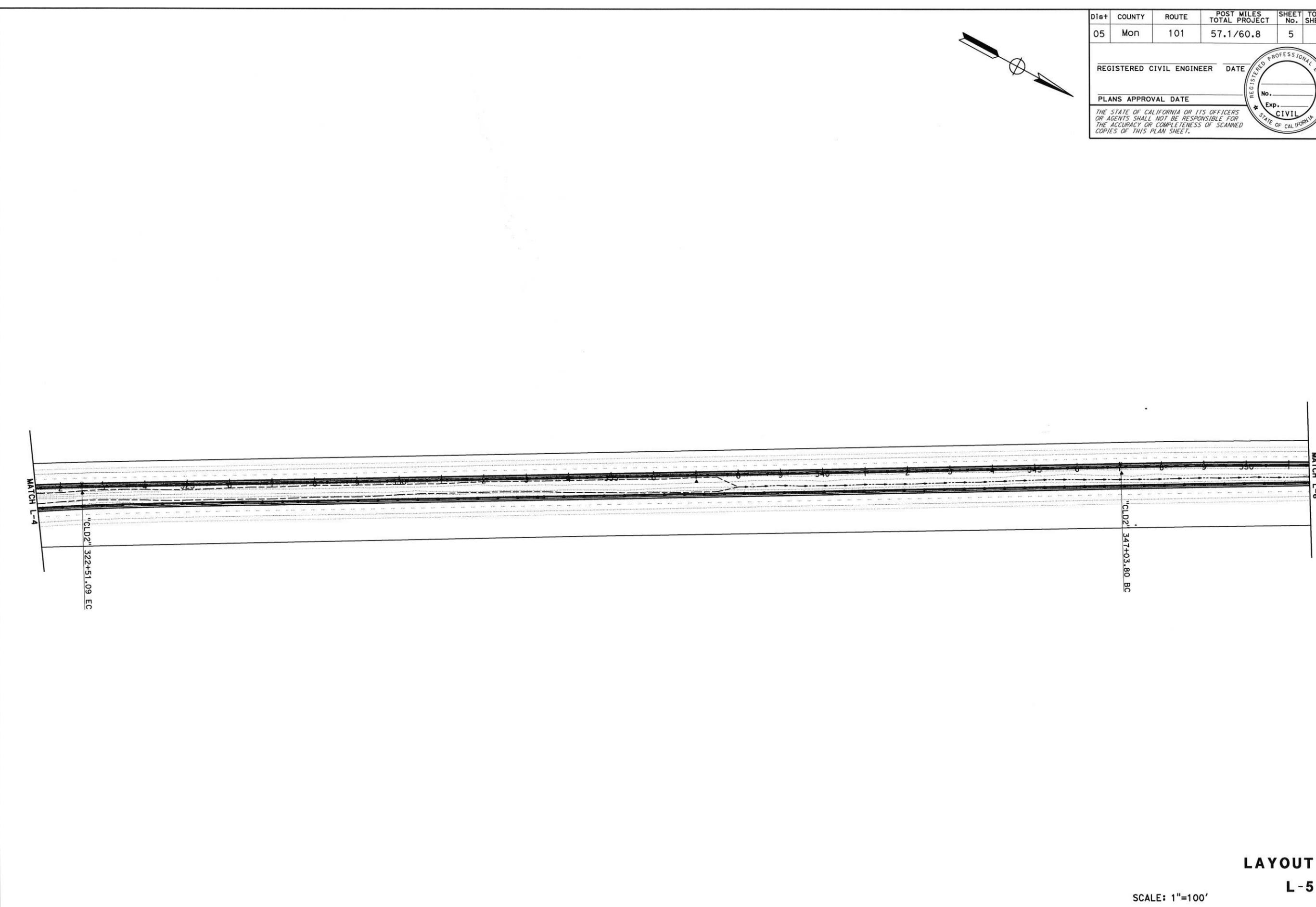
PROJECT NUMBER & PHASE

05120001180

LAST REVISION DATE PLOTTED => 19-DEC-2013
 11-05-13 TIME PLOTTED => 14:16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

x
x
x
x
x



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	101	57.1/60.8	5	7

REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

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BORDER LAST REVISED 7/2/2010

USERNAME => s100205
 DGN FILE => 1c330_L5.dgn

RELATIVE BORDER SCALE 15 IN INCHES

UNIT 1465

PROJECT NUMBER & PHASE 05120001180

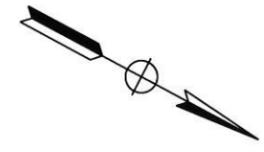
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LAYOUT
L-5

LAST REVISION 11-05-13
 DATE PLOTTED => 19-DEC-2013
 TIME PLOTTED => 14:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

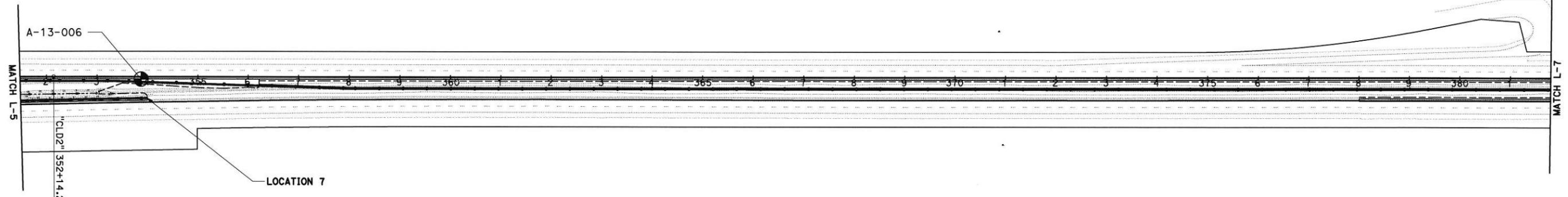
FUNCTIONAL SUPERVISOR
 CALCULATED-DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	101	57.1/60.8	6	7

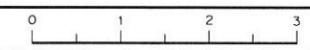
REGISTERED CIVIL ENGINEER DATE _____
 PLANS APPROVAL DATE _____

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LAYOUT
L-6

SCALE: 1"=100'



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FUNCTIONAL SUPERVISOR
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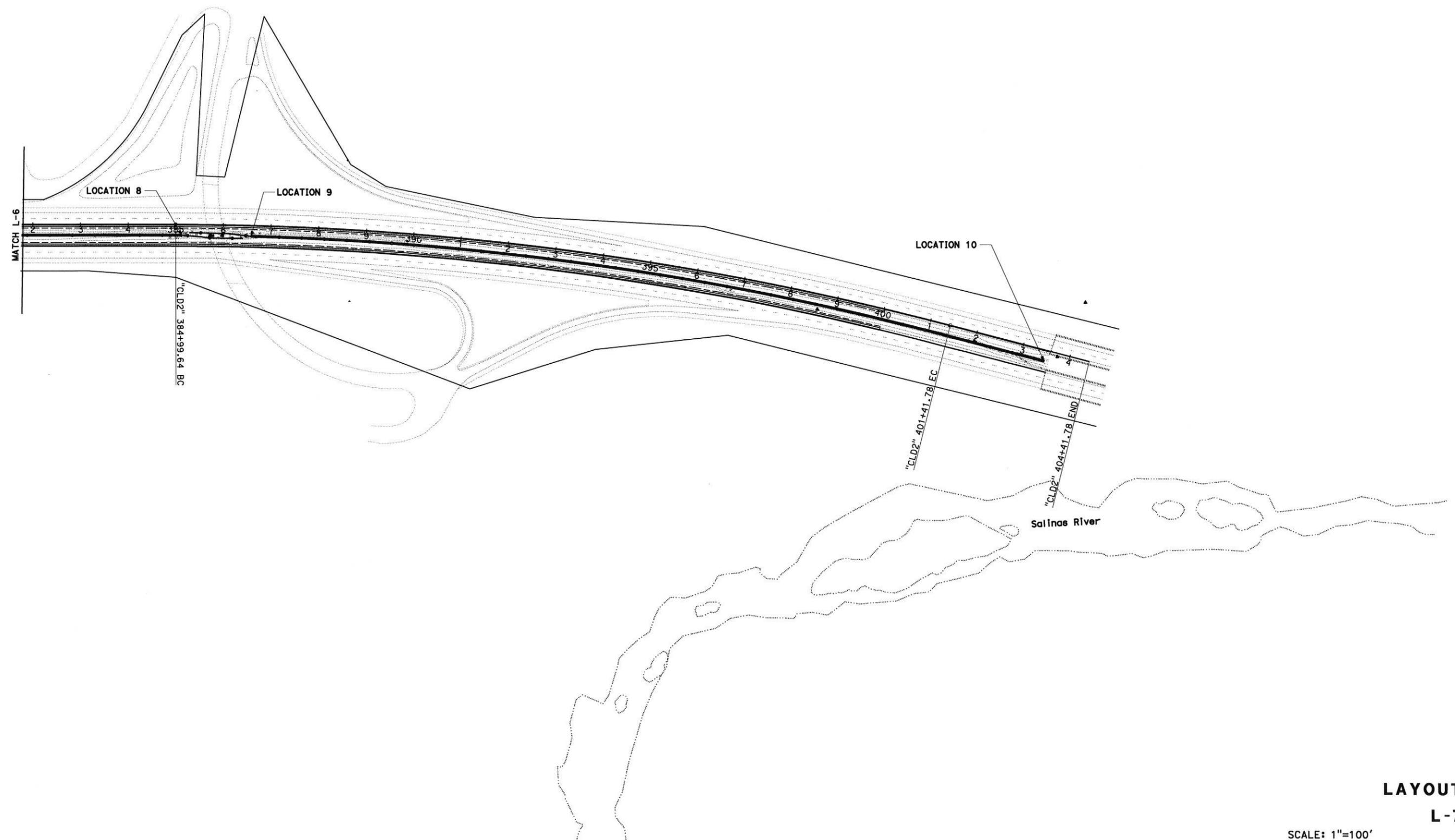
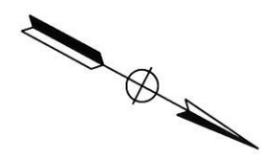
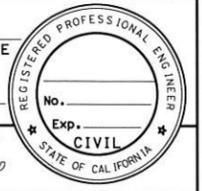
REVISOR BY
 DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	101	57.1/60.8	7	7

REGISTERED CIVIL ENGINEER DATE _____

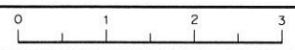
PLANS APPROVAL DATE _____

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SCALE: 1"=100'

LAYOUT
 L-7



LOGGED BY J. Scardine	BEGIN DATE 12-10-13	COMPLETION DATE 12-10-13	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID A-13-001
DRILLING CONTRACTOR Caltrans	BOREHOLE LOCATION (Offset, Station, Line) 24' Rt Sta 211+97 "CLD2"		SURFACE ELEVATION 221 ft	
DRILLING METHOD Hollow-Stem Auger	DRILL RIG CS 2000 (truck)		BOREHOLE DIAMETER	
SAMPLER TYPE(S) AND SIZE(S) (ID) SPT	SPT HAMMER TYPE		HAMMER EFFICIENCY, ERI 85%	
BOREHOLE BACKFILL AND COMPLETION	GROUNDWATER DURING DRILLING AFTER DRILLING (DATE)		TOTAL DEPTH OF BORING 31.5 ft	

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
0	0		SILTY SAND (SM); medium dense; very dark grayish brown; dry; fine and medium SAND; trace fine, subangular GRAVEL.		1	3	21								
218.68	2					9									
216.68	4					12									
214.68	6		- loose; moist.		2	3	8								very little recovery 0'-3' only
212.68	8					4									
210.68	10		Poorly graded SAND with SILT (SP-SM); loose; dark grayish brown; moist; fine and medium SAND.		3	2	4								
208.68	12					2									
206.68	14					2									
204.68	16		- very loose; brown.		4	2	3								
202.68	18					1									
	19					2									
	20														

(continued)

5 BR - STANDARD CABLE BARRIER 001.GPJ - CALTRANS LIBRARY (FEB 2013).GLB 1/9/14



Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-001	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 1 of 2

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
20			- loose. Poorly graded SAND with SILT (SP-SM) (continued).	5	2	5										
21	3															
198.68	22															
196.68	24															
25			SILT with SAND (ML); loose; dark grayish brown; moist; fine and medium SAND.	6	2	4										
194.68	26				1											
27	27				3											
192.68	28															
190.68	30															
188.68	32		Bottom of borehole at 31.5 ft bgs												NOTE: Hole open to 22'-9" after auger withdrawl	
186.68	34		This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.													
184.68	36															
182.68	38															
180.68	40															
178.68	42															
44																



Department of Transportation
 Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-001	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 2 of 2

LOGGED BY J. Scardine	BEGIN DATE 12-10-13	COMPLETION DATE 12-10-13	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID A-13-002
DRILLING CONTRACTOR Caltrans			BOREHOLE LOCATION (Offset, Station, Line) 16' Rt Sta 215+86 "CLD2"	SURFACE ELEVATION 221 ft
DRILLING METHOD Hollow-Stem Auger			DRILL RIG CS 2000 (truck)	BOREHOLE DIAMETER
SAMPLER TYPE(S) AND SIZE(S) (ID) SPT			SPT HAMMER TYPE	HAMMER EFFICIENCY, ERI 85%
BOREHOLE BACKFILL AND COMPLETION			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) READINGS	TOTAL DEPTH OF BORING 25.0 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	0				1	4	14								
	1		SILTY SAND (SM); medium dense; brown; dry; and medium SAND; some fines; trace fine, subangular GRAVEL.			6									
219.03	2					8									
	3														
217.03	4														
	5		- loose; moist; trace coarse, subrounded GRAVEL.		2	5	7								
215.03	6					3									
	7					4									
213.03	8														
	9														
211.03	10		- loose.		3	2	5								
	11					2									
	12					3									
209.03	13														
	14		- very dark grayish brown.												
207.03	15														
	16				4	2	7								
205.03	17					3									
	18		- loose; brown.			4									
203.03	19														
	20		Elastic SILT with SAND (MH); medium stiff; brown; moist; and medium SAND ; PP= 0.75.												

(continued)

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Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-002
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330
PROJECT OR BRIDGE NAME Cable Barrier				
BRIDGE NUMBER	PREPARED BY J. Scardine	DATE 1-9-14	SHEET 1 of 2	

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
20			- medium dense. Elastic SILT with SAND (MH) (continued).	X	5	4	9									
21						4										
22	199.03						5									
23																
24	197.03															
25			Bottom of borehole at 25.0 ft bgs													
26	195.03		<p>This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.</p> <p style="text-align: right;">NOTE: Hole open to 18'-0" after auger withdrawl</p>													
27																
28	193.03															
29																
30	191.03															
31																
32	189.03															
33																
34	187.03															
35																
36	185.03															
37																
38	183.03															
39																
40	181.03															
41																
42	179.03															
43																
44																



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 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-002	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 2 of 2

LOGGED BY J. Scardine	BEGIN DATE 12-10-13	COMPLETION DATE 12-10-13	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID A-13-003
DRILLING CONTRACTOR Caltrans			BOREHOLE LOCATION (Offset, Station, Line) 19' Rt Sta 270+43 "CLD2"	SURFACE ELEVATION 214 ft
DRILLING METHOD Hollow-Stem Auger			DRILL RIG CS 2000 (truck)	BOREHOLE DIAMETER
SAMPLER TYPE(S) AND SIZE(S) (ID) SPT			SPT HAMMER TYPE	HAMMER EFFICIENCY, ERI 85%
BOREHOLE BACKFILL AND COMPLETION			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) READINGS	TOTAL DEPTH OF BORING 25.0 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
0	0				1	7	10								
	1		SILTY SAND (SM); medium dense; very dark grayish brown; dry; and medium SAND; some fines; trace fine, subangular GRAVEL.			4									
211.68	2					6									
	3														
209.68	4														
	5		- loose; moist.		2	2	4								
207.68	6					2									
	7					2									
205.68	8					2									
	9														
203.68	10		Poorly graded SAND with SILT (SP-SM); loose; dark grayish brown; moist; fine and medium SAND.		3	2	5								
	11					3									
201.68	12					2									
	13														
199.68	14														
	15		- loose; brown.		4	2	4								
197.68	16					2									
	17					2									
195.68	18														
	19														
	20														

(continued)

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Geotechnical Services
Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-003
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330
PROJECT OR BRIDGE NAME Cable Barrier				
BRIDGE NUMBER	PREPARED BY J. Scardine	DATE 1-9-14	SHEET 1 of 2	

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	ROD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
20			- medium dense. Poorly graded SAND with SILT (SP-SM) (continued).	X	5	5	11								
21		5													
22	191.68				6										
23															
24	189.68														
25			Bottom of borehole at 25.0 ft bgs												NOTE: Hole open to 18'-2" after auger withdrawl
26	187.68		This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.												
27															
28	185.68														
29															
30	183.68														
31															
32	181.68														
33															
34	179.68														
35															
36	177.68														
37															
38	175.68														
39															
40	173.68														
41															
42	171.68														
43															
44															



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 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-003	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 2 of 2

LOGGED BY J. Scardine	BEGIN DATE 12-10-13	COMPLETION DATE 12-10-13	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID A-13-004
DRILLING CONTRACTOR Caltrans	BOREHOLE LOCATION (Offset, Station, Line) 30' Rt Sta 278+64 "CLD2"		SURFACE ELEVATION 213 ft	
DRILLING METHOD Hollow-Stem Auger	DRILL RIG CS 2000 (truck)		BOREHOLE DIAMETER	
SAMPLER TYPE(S) AND SIZE(S) (ID) SPT	SPT HAMMER TYPE		HAMMER EFFICIENCY, ERI 85%	
BOREHOLE BACKFILL AND COMPLETION	GROUNDWATER READINGS		DURING DRILLING	AFTER DRILLING (DATE)
				TOTAL DEPTH OF BORING 25.0 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	0		SILTY SAND (SM); medium dense; brown; dry; and medium SAND; some fines; trace fine, subangular GRAVEL.		1	12	20								
	1					9									
210.77	2					11									
	3														
208.77	4														
	5		- very loose; very dark grayish brown; moist.		2	1	2								
206.77	6					1									
	7					1									
204.77	8														
	9														
202.77	10		Poorly graded SAND with SILT (SP-SM); very loose; dark grayish brown; moist; and medium SAND.		3	2	3								
	11					2									
	12					1									
200.77	13														
	14														
198.77	15														
	16		- loose; brown.		4	1	6								
196.77	17					2									
	18					4									
194.77	19														
	20														

(continued)

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 Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-004	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 1 of 2

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
20			- medium dense. Poorly graded SAND with SILT (SP-SM) (continued).	X	5	3	11									
	21					6										
	22					5										
190.77	23															
	24															
188.77	25		Bottom of borehole at 25.0 ft bgs												NOTE: Hole open to 18'-8" after auger withdrawal	
186.77	26		This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.													
	27															
	28															
184.77	29															
	30															
182.77	31															
	32															
180.77	33															
	34															
178.77	35															
	36															
176.77	37															
	38															
174.77	39															
	40															
172.77	41															
	42															
170.77	43															
	44															



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REPORT TITLE BORING RECORD				HOLE ID A-13-004	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 2 of 2

LOGGED BY J. Scardine	BEGIN DATE 12-10-13	COMPLETION DATE 12-10-13	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID A-13-005
DRILLING CONTRACTOR Caltrans	BOREHOLE LOCATION (Offset, Station, Line) 9' Rt Sta 292+66 "CLD2"		SURFACE ELEVATION 212 ft	
DRILLING METHOD Hollow-Stem Auger	DRILL RIG CS 2000 (truck)		BOREHOLE DIAMETER	
SAMPLER TYPE(S) AND SIZE(S) (ID) SPT	SPT HAMMER TYPE		HAMMER EFFICIENCY, ERI 85%	
BOREHOLE BACKFILL AND COMPLETION			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) READINGS	TOTAL DEPTH OF BORING 27.5 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
0	0		SILTY SAND (SM); medium dense; brown; dry; and medium SAND; some fines; trace fine, subangular GRAVEL.	1	3	11								
1	1				5									
2	2				6									
210.34	3													
208.34	4													
5	5		- loose; moist.	2	4	7								
206.34	6				3									
7	7				4									
204.34	8													
9	9													
202.34	10		Poorly graded SAND with SILT (SP-SM); medium dense; brown; moist; and medium SAND.	3	8	9								
11	11				5									
12	12				4									
200.34	13													
14	14													
198.34	15		SILTY SAND (SM); medium dense; brown; moist.	4	2	7								
16	16				4									
196.34	17				3									
18	18													
194.34	19		Poorly graded SAND with SILT (SP-SM); medium dense; brown; moist.											
20	20													

(continued)

5 BR - STANDARD CABLE BARRIER 001.GPJ CALTRANS LIBRARY (FEB 2013).GLB 1/9/14



Department of Transportation
 Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-005	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 1 of 2

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
20	20		- medium dense. Poorly graded SAND with SILT (SP-SM) (continued).	X	5	4	14									
21	7															
22	7															
190.34	23															
188.34	24															
186.34	25		- medium dense; trace fine, subangular and subrounded GRAVEL.	X	6	11	20									
186.34	9															
26	11															
184.34	27		Bottom of borehole at 27.5 ft bgs												NOTE: Hole open to 21'-6" after auger withdrawal	
182.34	28		This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.													
180.34	29															
178.34	30															
176.34	31															
174.34	32															
172.34	33															
170.34	34															
	35															
	36															
	37															
	38															
	39															
	40															
	41															
	42															
	43															
	44															



Department of Transportation
 Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-005	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 2 of 2

LOGGED BY J. Scardine	BEGIN DATE 12-10-13	COMPLETION DATE 12-10-13	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID A-13-006
DRILLING CONTRACTOR Caltrans	BOREHOLE LOCATION (Offset, Station, Line) 5' Rt Sta 353+87 "CLD2"		SURFACE ELEVATION 189 ft	
DRILLING METHOD Hollow-Stem Auger	DRILL RIG CS 2000 (truck)		BOREHOLE DIAMETER	
SAMPLER TYPE(S) AND SIZE(S) (ID) SPT	SPT HAMMER TYPE		HAMMER EFFICIENCY, ERI 85%	
BOREHOLE BACKFILL AND COMPLETION	GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) READINGS		TOTAL DEPTH OF BORING 25.0 ft	

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
0	0		SILTY SAND (SM); medium dense; brown; dry; and medium SAND; some fines; trace fine, subangular GRAVEL.		1	4	17								
186.95	2					9									
184.95	4					8									
182.95	6		- medium dense; moist.		2	5	8								
180.95	8					3									
178.95	10				3	1	6								
176.95	12					2									
174.95	14					4									
172.95	16		Poorly graded SAND with SILT (SP-SM); loose; brown; moist; fine and medium SAND.		4	3	7								
170.95	18		- medium dense.			3									
	19					4									
	20														

(continued)

5 BR - STANDARD CABLE BARRIER 001.GPJ CALTRANS LIBRARY (FEB 2013).GLB 1/9/14



Department of Transportation
 Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-006	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 1 of 2

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
20			Poorly graded SAND with SILT (SP-SM) (continued).		5	5	10								
	21					5									
	22					5									
166.95															
	23														
164.95															
	24														
	25		Bottom of borehole at 25.0 ft bgs												
	26														NOTE: Hole open to 17'-8" after auger withdraw
162.95															
	27														
	28														
160.95															
	29														
	30														
158.95															
	31														
	32														
156.95															
	33														
	34														
154.95															
	35														
	36														
152.95															
	37														
	38														
150.95															
	39														
	40														
148.95															
	41														
	42														
146.95															
	43														
	44														

This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.

NOTE: Hole open to 17'-8" after auger withdraw



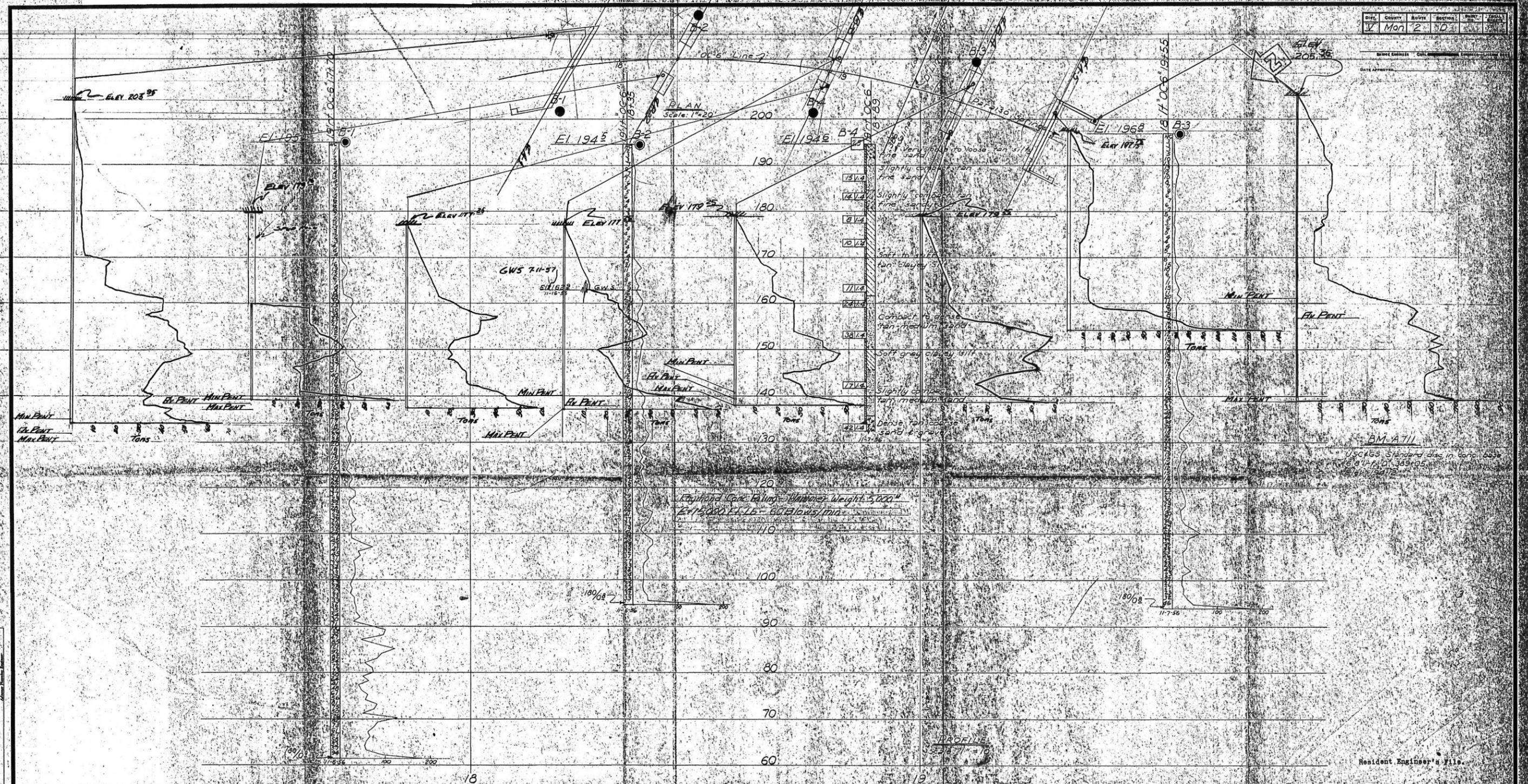
Department of Transportation
 Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design - North

REPORT TITLE BORING RECORD				HOLE ID A-13-006	
DIST. 05	COUNTY MON	ROUTE 101	POSTMILE 57.1/60.8	PROJECT ID 05 1C330	
PROJECT OR BRIDGE NAME Cable Barrier					
BRIDGE NUMBER		PREPARED BY J. Scardine		DATE 1-9-14	SHEET 2 of 2

LOCATION SITE 8 AND 9

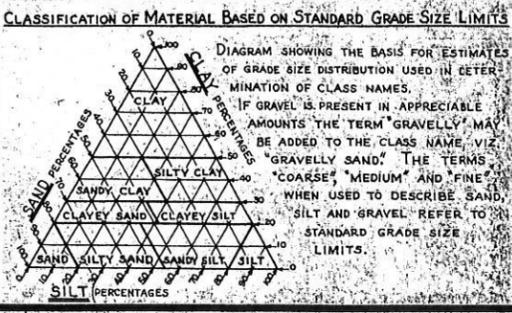
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.			

DIST.	COUNTY	ROUTE	SECTION	POST MILE	TOTAL MILES
17	Mon	2	D		



BRIDGE DEPARTMENT

FIELD STUDY: G.E. HADAKIS '56
 DRAWING: M.C. DEWITT '56
 CHECKED: P.A. HARRIS '56



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	SOIL TUBE
PENETROMETER	ROTARY BORING
2 1/2" CONE PENETROMETER	PENETRATION BORING
SAMPLER BORING (DRY)	
ROTARY BORING (WET)	
AUGER BORING (DRY)	
JET BORING	
CORE BORING	
TEST PIT	

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

ARROYO SECO ROAD OVERCROSSING

LOG OF TEST BORINGS

SCALE: AS SHOWN | BRIDGE 44-115 | FILE | DRAWING PR-5168-4

Resident Engineer's File.

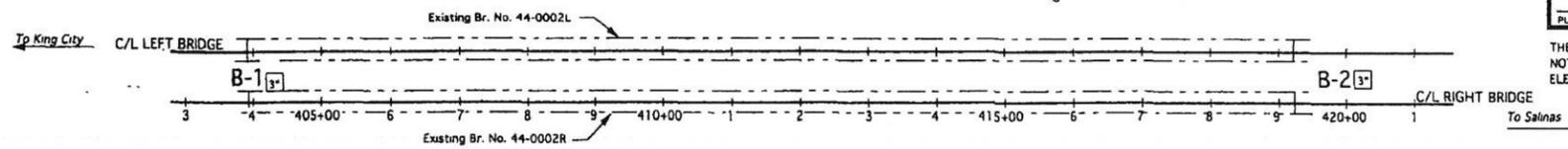
LOCATION SITE 10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	101	59.8/61.7	128	136

REGISTERED ENGINEERING GEOLOGIST

4-14-97
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.



BENCH MARK

PLAN
1" = 100'

This Log of Test Borings drawing was referred to in preparing the geotechnical report for this project.

F. P. Taber 31377
REGISTERED ENGINEER - GEOTECHNICAL

TABER CONSULTANTS
536 GALVESTON STREET
WEST SACRAMENTO, CA 95691

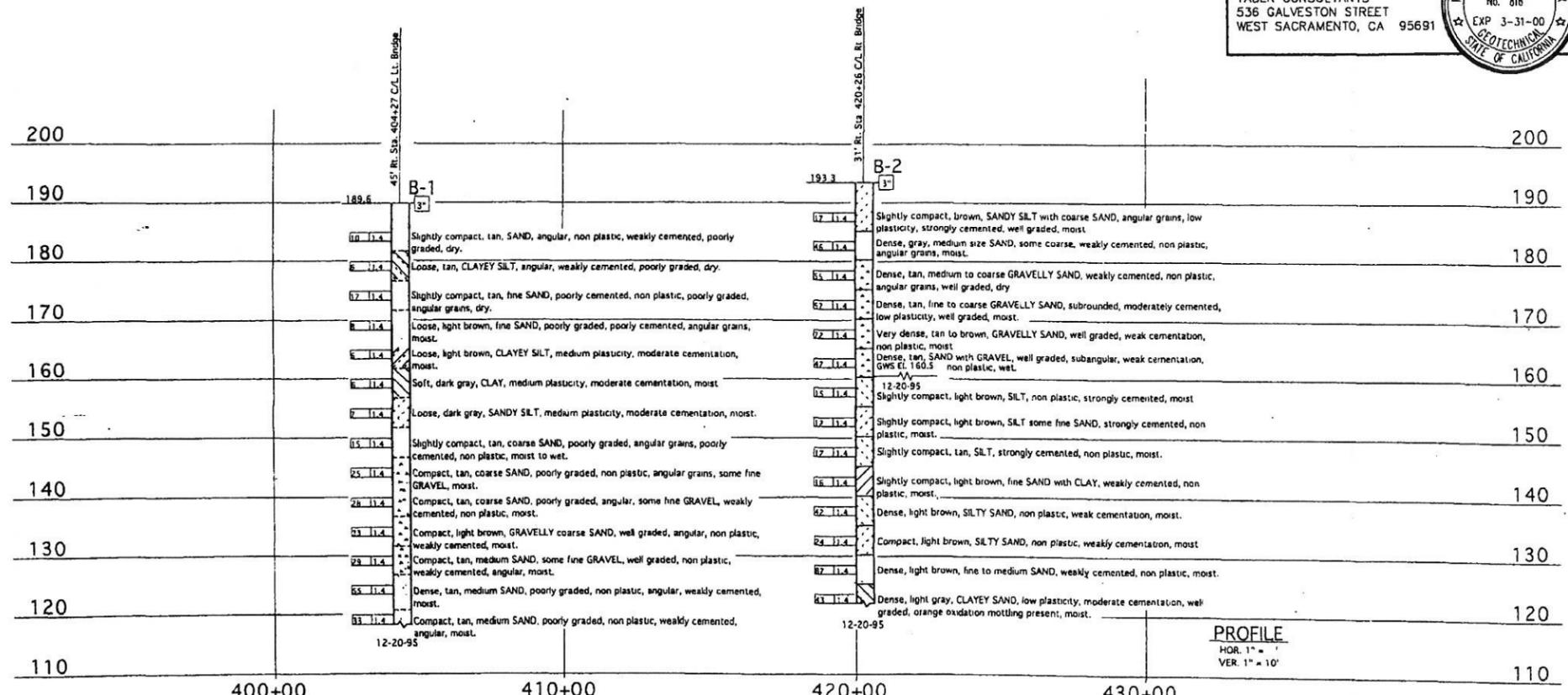
LEGEND OF BORING OPERATIONS

LEGEND OF EARTH MATERIALS

CONSISTENCY CLASSIFICATION FOR SOILS

Consistency	Penetration (Blows/ft)
Very Loose	0-4
Loose	5-15
Medium	15-30
Compact	30-50
Very Dense	50-100

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.



PROFILE
HOR. 1" = 10'
VER. 1" = 10'

ENGINEERING SERVICE CENTER STRUCTURE FOUNDATIONS FIELD INVESTIGATION BY: B. LEVINE

State of CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF STRUCTURES STRUCTURE DESIGN

BRIDGE NO. 44-0002 L/R POST MILE 60.7

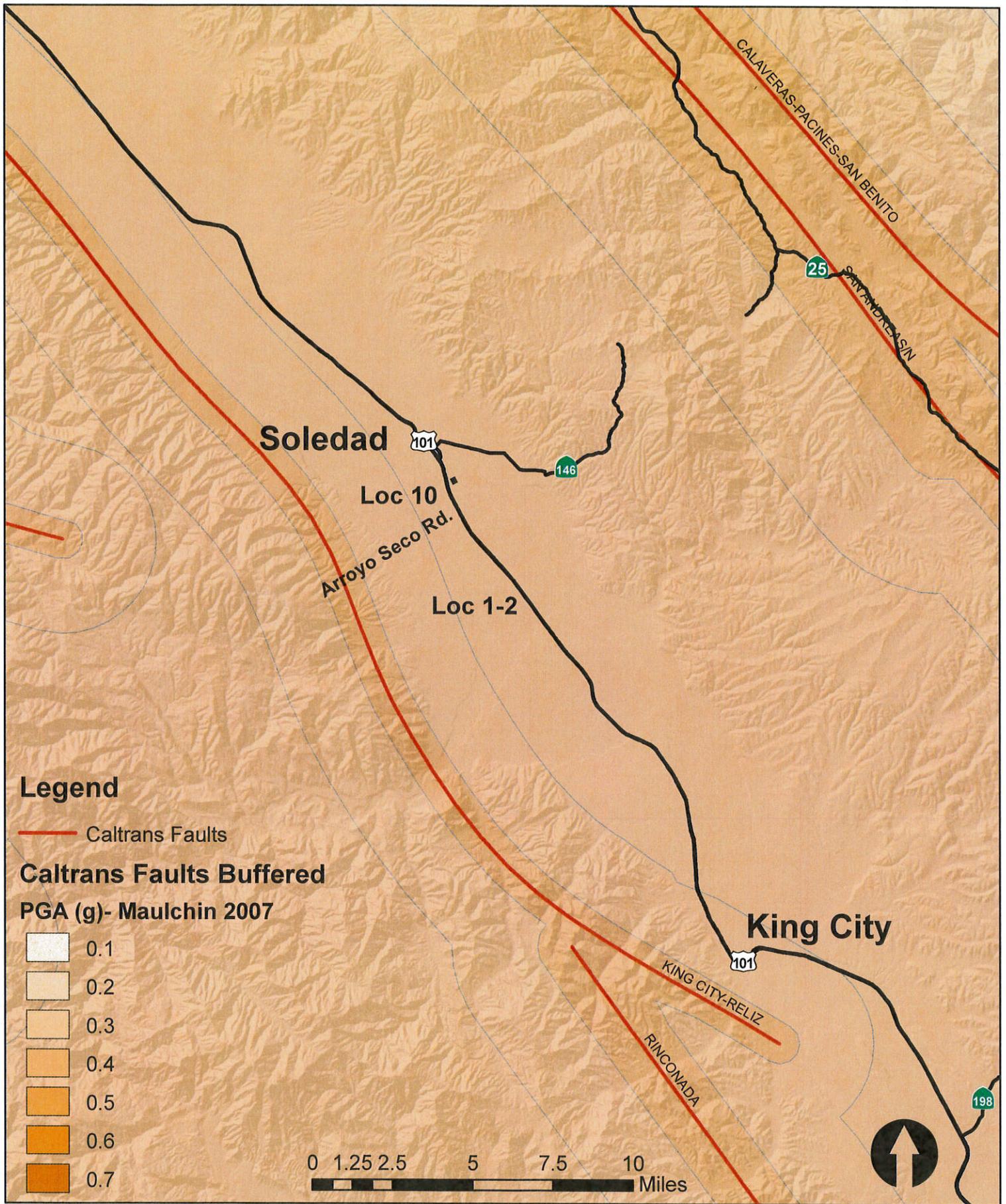
SALINAS RIVER BRIDGE LOG OF TEST BORINGS 1 OF 2

CU: 05235 EA: 41430K DISREGARD PRINTS BEARING EARLIER REVISION DATES

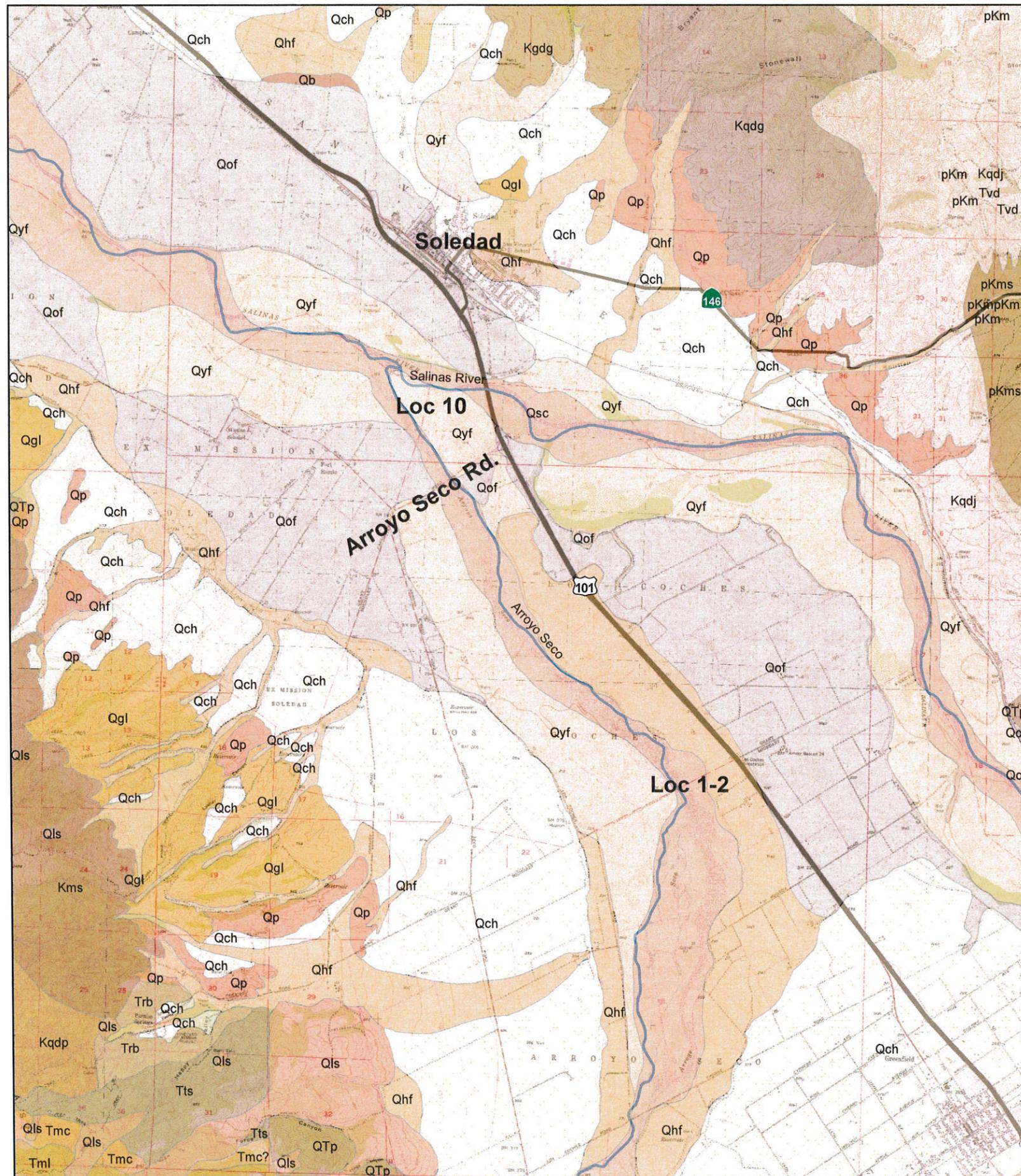
DESIGN OVERSIGHT DRAWN BY FIELD INVESTIGATORS PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION PROJECT ENGINEER

SIGN OFF DATE CHECKED BY DATE BRIDGE NO. 44-0002R/L POST MILE 60.7 SALINAS RIVER BRIDGE (REPLACE) LOG OF TEST BORINGS (6 of 6)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS CU 05 EA 45340I DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) SHEET 44 OF 44



ATTACHMENT 3
Regional Seismic Map
High Tension Cable Barrier
MON-101-57.1/60.8



Legend

MON-101-57.1/60.8

- Kgdg *Gneissic quartz diorite of Stonewall Canyon*
- Kms *Schist of Sierra de Salinas*
- Kqdg *Quartz diorite-granodiorite of Johnson Canyon*
- Kqdj *Quartz diorite-granodiorite of Johnson Canyon*
- Kqdp *Hornblende-biotite quartz diorite of the Paraiso-Paloma area*
- QTP *Paso Robles Formation, undifferentiated*
- Qb *Paludal- basin deposits*
- Qch *Alluvial fan deposits of Chualar*
- Qgl *Alluvial fan deposits of Gloria*
- Qhf *Holocene alluvial fan deposits*
- Qls *Landslide deposits*
- Qof *Older flood-plain deposits*
- Qp *Alluvial fan deposits of Placentia*
- Qsc *Stream channel deposits*
- Qyf *Channel and point bar- younger flood plain deposits.*
- Tmc *Monterey Formation, clay shale?*
- Tmc? *Monterey Formation, clay shale?*
- Tml *Monterey Formation, semi-siliceous shale*
- Trb *Sandstone-red beds*
- Tts *Marine sandstone*
- Tvd *Dacitic felsite*
- pKm *Mesozoic or older- marble*
- pKms *Mica schist (Gabilan Range)*

ATTACHMENT 3
Regional Geologic Map
High Tension Cable Barrier
MON-101-57.1/60.8

