

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	301	349

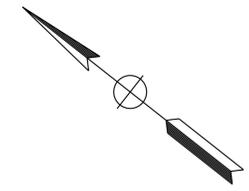
<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
No. E015604
Exp. 12/31/13
ELECTRICAL

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.

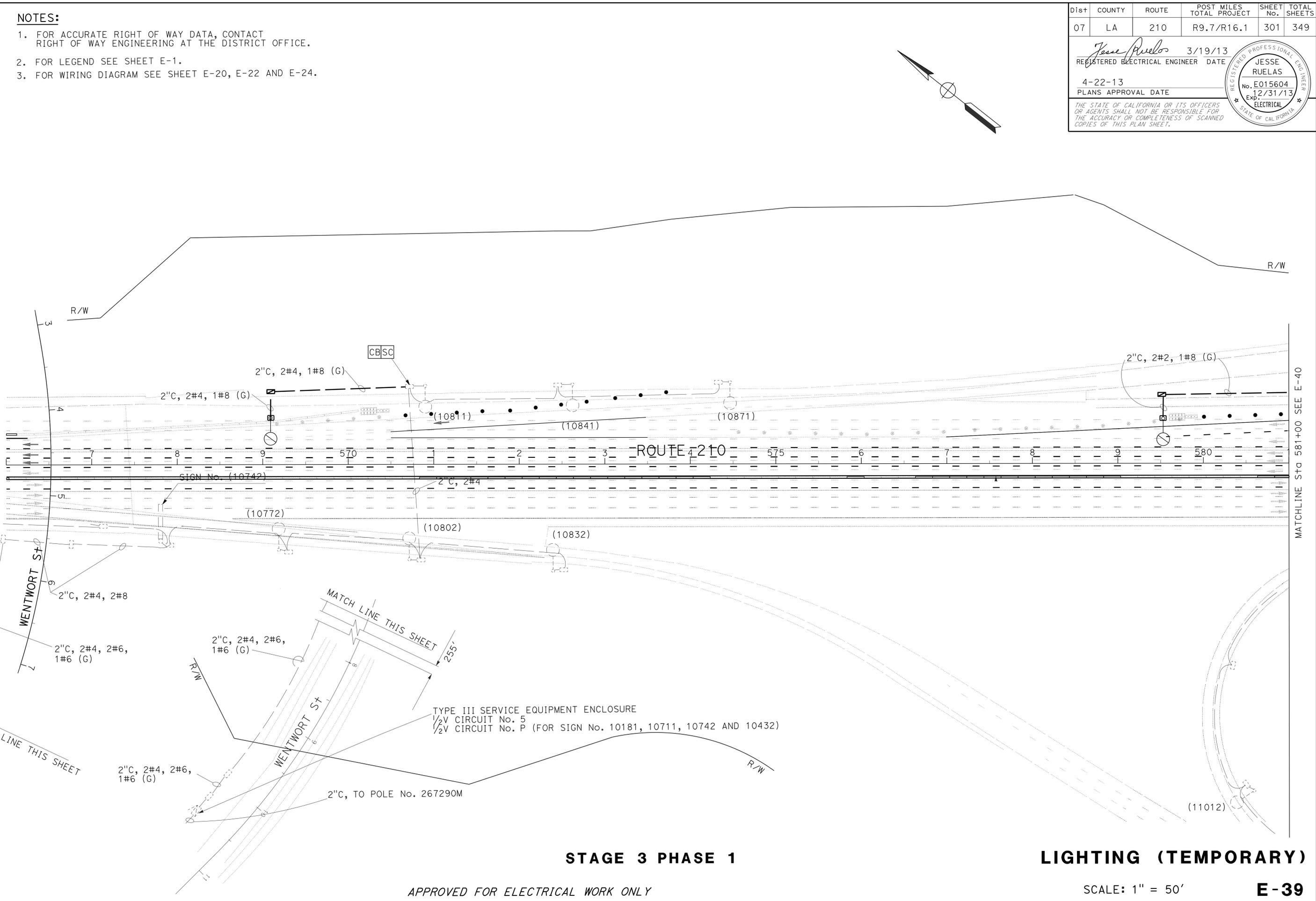
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND SEE SHEET E-1.
3. FOR WIRING DIAGRAM SEE SHEET E-20, E-22 AND E-24.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: YI TSAU
 CALCULATED/DESIGNED BY: KARINE PARTAMIAN
 CHECKED BY: JESSE RUELAS
 REVISED BY: 8/2012
 DATE REVISED:



STAGE 3 PHASE 1

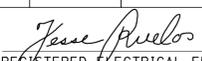
LIGHTING (TEMPORARY)

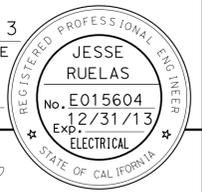
APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

E-39

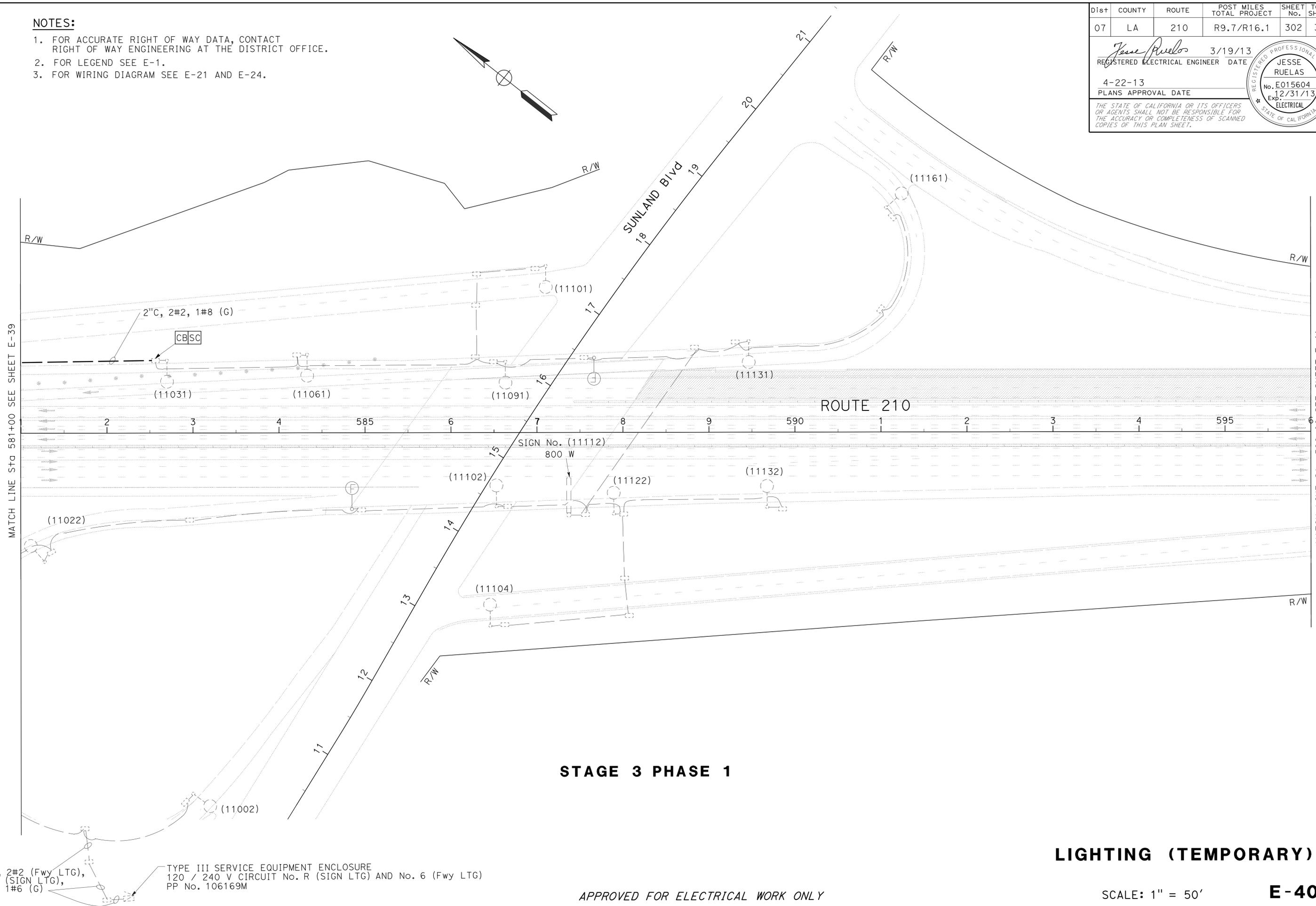
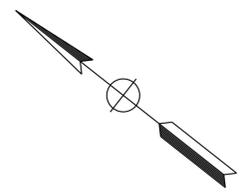
LAST REVISION: DATE PLOTTED => 01-MAY-2013 00-00-00 TIME PLOTTED => 08:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	302	349
			3/19/13	DATE	
REGISTERED ELECTRICAL ENGINEER			DATE		
4-22-13			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>					



NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND SEE E-1.
3. FOR WIRING DIAGRAM SEE E-21 AND E-24.



STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

E-40

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

2" C, 2#2 (Fwy LTG),
2#4 (SIGN LTG),
ADD 1#6 (G)

TYPE III SERVICE EQUIPMENT ENCLOSURE
120 / 240 V CIRCUIT No. R (SIGN LTG) AND No. 6 (Fwy LTG)
PP No. 106169M

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans	YI TSAU	JESSE RUELAS	KARINE PARTANTRAN	8/2012
TRAFFIC DESIGN				

USERNAME => s121614
DGN FILE => 728801ua040.dgn

RELATIVE BORDER SCALE 15 IN INCHES

UNIT 1880

PROJECT NUMBER & PHASE

07000209571

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 01-MAY-2013
00-00-00 TIME PLOTTED => 08:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	303	349

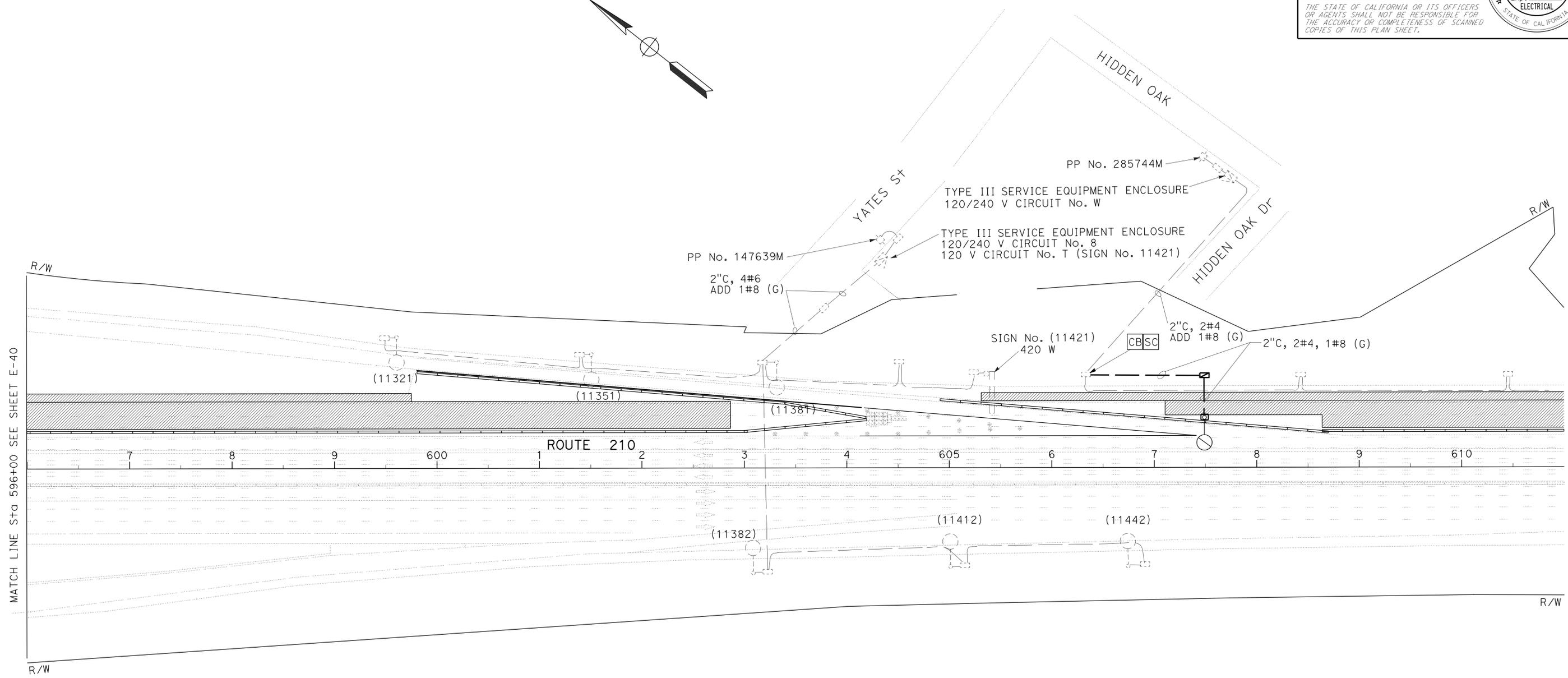
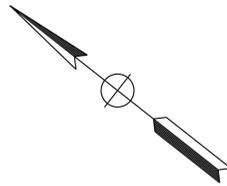
<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
No. E015604
Exp. 12/31/13
ELECTRICAL
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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND SEE E-1.
3. FOR WIRING DIAGRAM SEE E-20 AND E-23.



STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

E-41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR
YI TSAU
CALCULATED/DESIGNED BY
CHECKED BY
KARINE PARTAMIAN
JESSE RUELAS
REVISED BY
DATE REVISED
8/2012

USERNAME => s109858
DGN FILE => 728801ud041.dgn



UNIT 1880

PROJECT NUMBER & PHASE

07000209571

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 29-APR-2013
00-00-00 TIME PLOTTED => 07:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	304	349

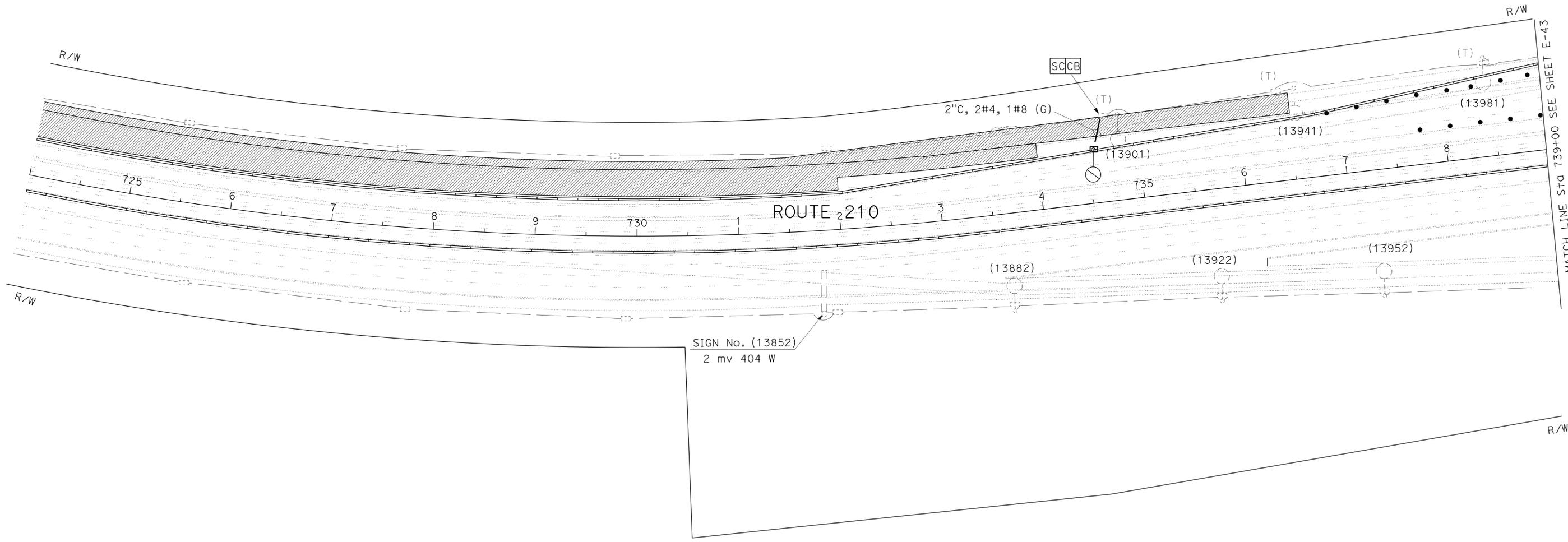
<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER JESSE RUELAS No. E015604 Exp. 12/31/13 ELECTRICAL 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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND SEE E-1.
3. FOR WIRING DIAGRAM SEE E-22 AND E-25.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY	DATE
Caltrans	YI TSAU	CHECKED BY	KARINE PARTAMIAN	8/2012
TRAFFIC DESIGN			JESSE RUELAS	

STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-42

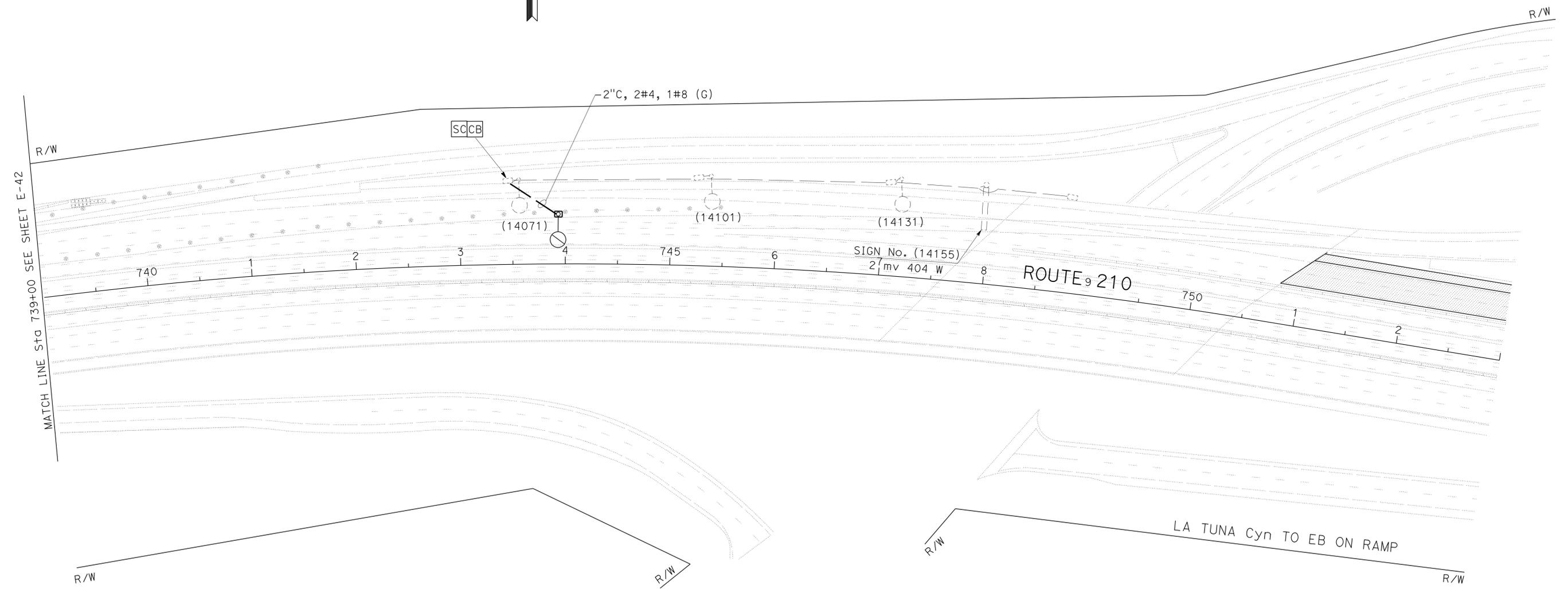
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	305	349

<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
No. E015604
Exp. 12/31/13
ELECTRICAL
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.

- NOTES:**
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR NOTES AND LEGEND SEE E-1.
 3. FOR WIRING DIAGRAM SEE E-22 AND E-25.



8/2012	REVISOR	KARINE PARTAMIAN	DESIGNED BY	YI TSAU
	DATE	JESSE RUELAS	CHECKED BY	
			FUNCTIONAL SUPERVISOR	
			DEPARTMENT OF TRANSPORTATION	
			TRAFFIC DESIGN	

STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	306	349

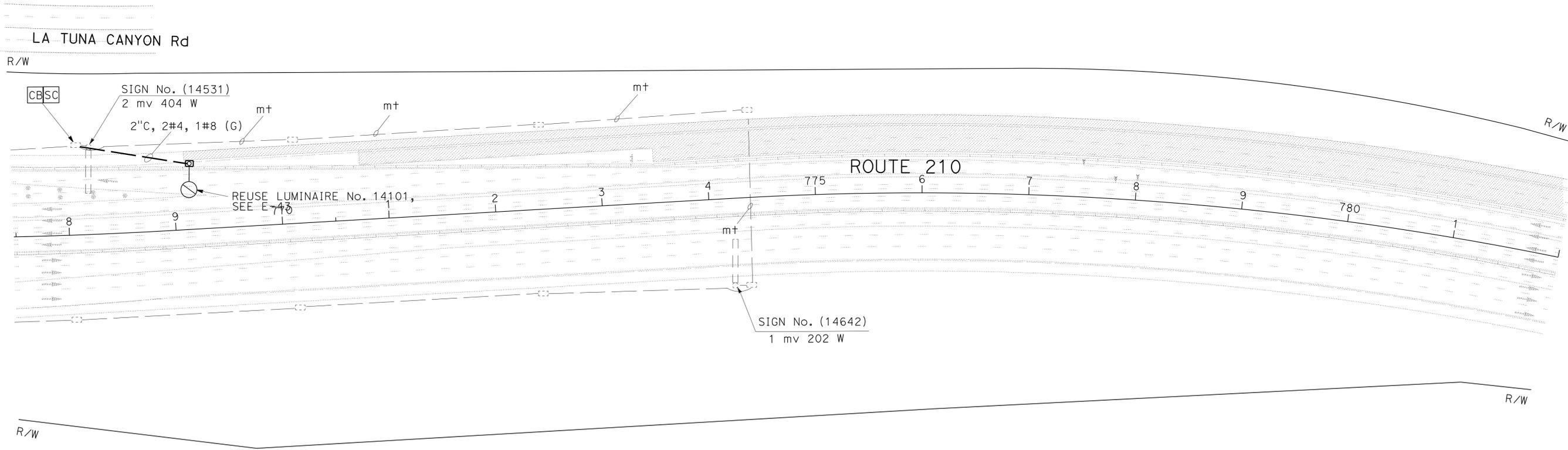
<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
No. E015604
Exp. 12/31/13
ELECTRICAL
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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND SEE E-1.
3. FOR WIRING DIAGRAM SEE E-22 AND E-23.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Gilbert
TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 YI TSAU
 CALCULATED-DESIGNED BY
 CHECKED BY
 KARINE PARTAMIAN
 JESSE RUELAS
 REVISED BY
 DATE REVISED
 8/2012

STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	307	349

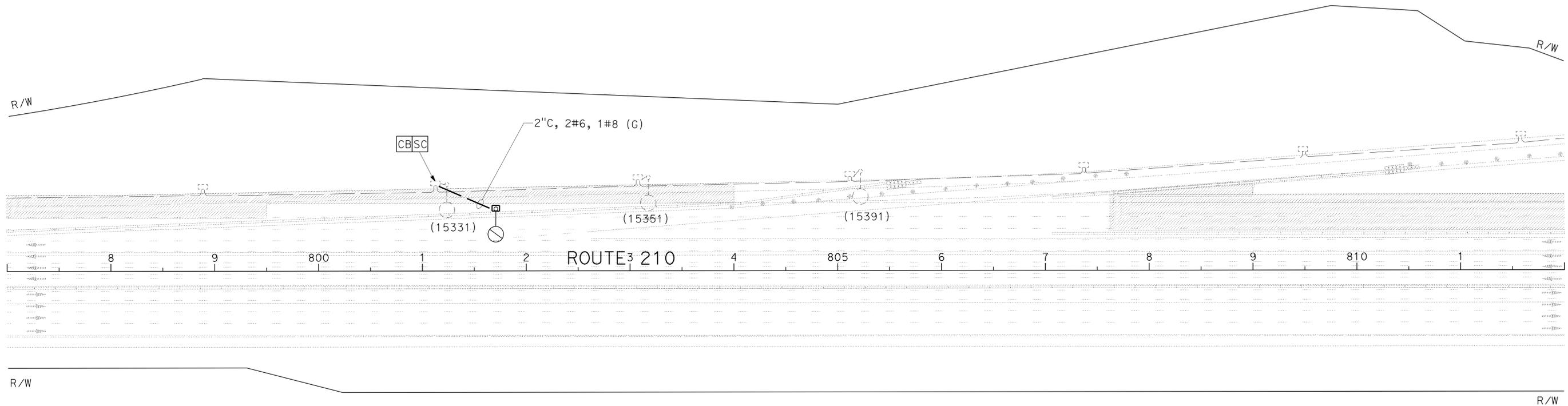
<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
No. E015604
Exp. 12/31/13
ELECTRICAL
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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND SEE E-1.
3. FOR WIRING DIAGRAM SEE E-23 AND E-26.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 OJIT&ALU
 CALCULATED-DESIGNED BY
 CHECKED BY
 RANIERI&TAMIAN
 JESSE RUELAS
 REVISED BY
 DATE REVISED
 8/2012

STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	308	349

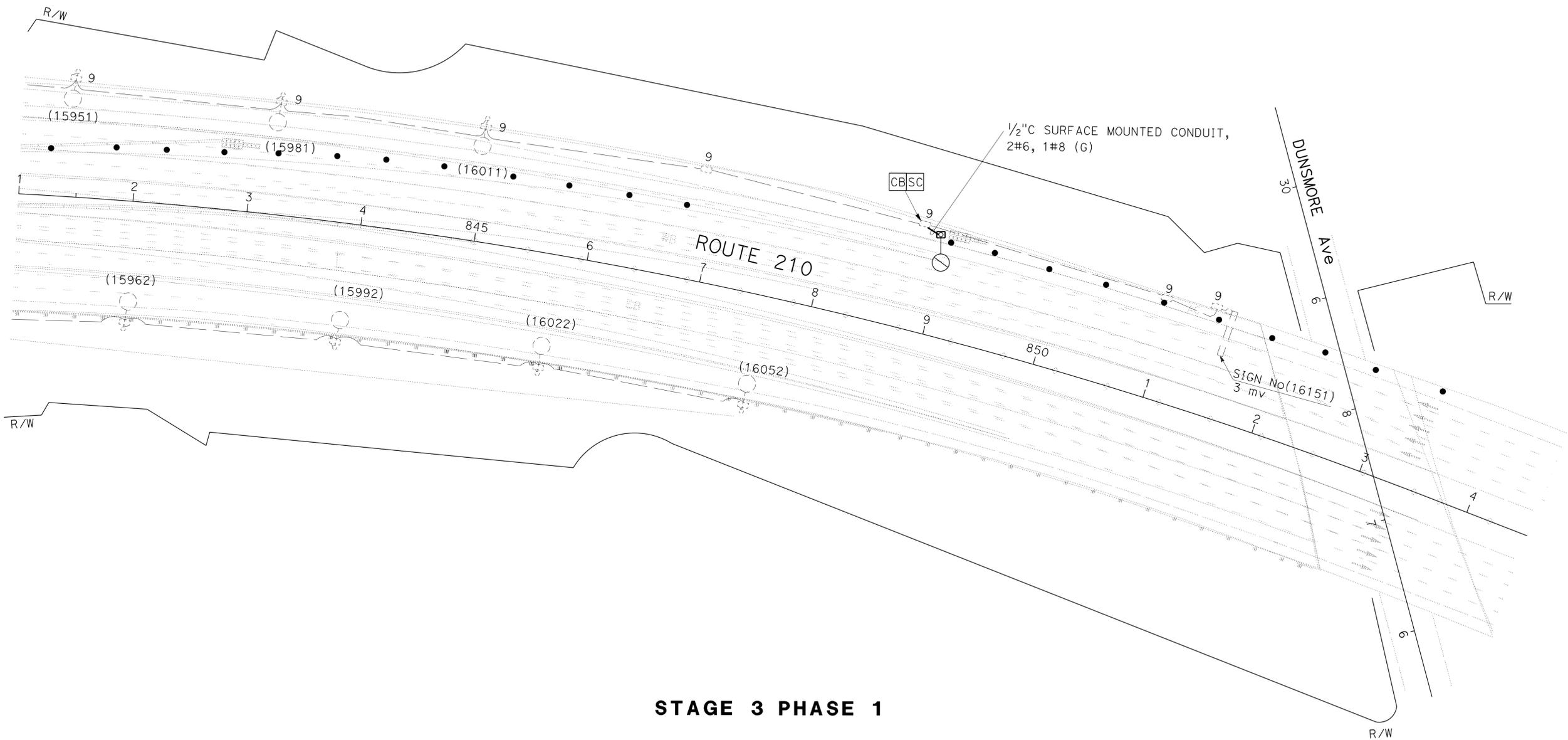
<i>Jesse Ruelas</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
No. E015604
Exp. 12/31/13
ELECTRICAL
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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND SEE E-1.
3. FOR WIRING DIAGRAM SEE E-23 AND E-26.



STAGE 3 PHASE 1

LIGHTING (TEMPORARY)

SCALE: 1" = 50'

E-46

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR
YI TSAU
CALCULATED/DESIGNED BY
CHECKED BY
KARINE PARTAMIAN
JESSE RUELAS
REVISED BY
DATE REVISED
8/2012



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	309	349

<i>Jesse Puelo</i>	3/19/13
REGISTERED ELECTRICAL ENGINEER	DATE
4-22-13	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
CECILIO BURCIAGA
No. E015302
Exp. 3/31/13
ELECTRICAL

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.

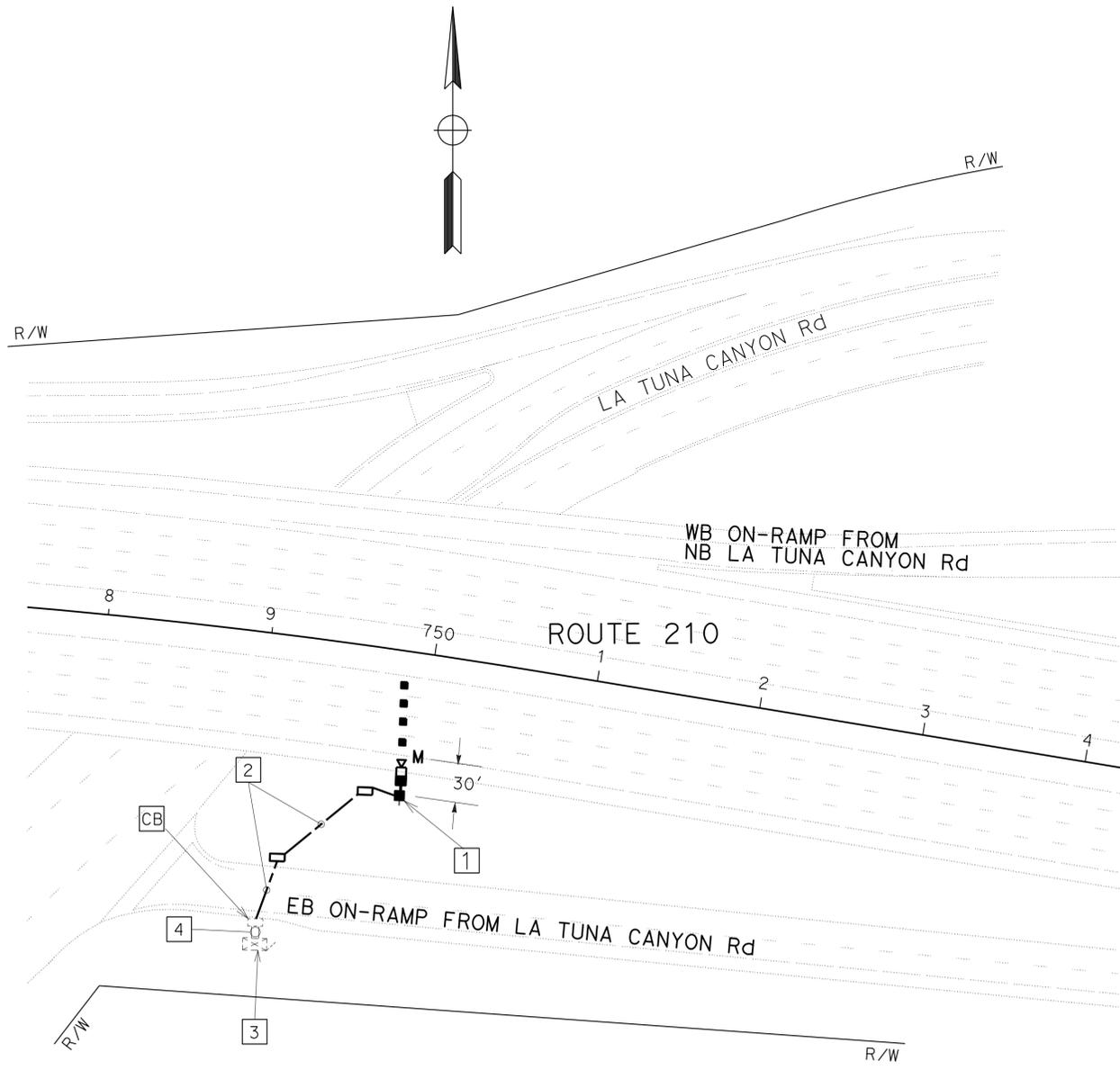
NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR ABBREVIATION SEE SHEET E-1.

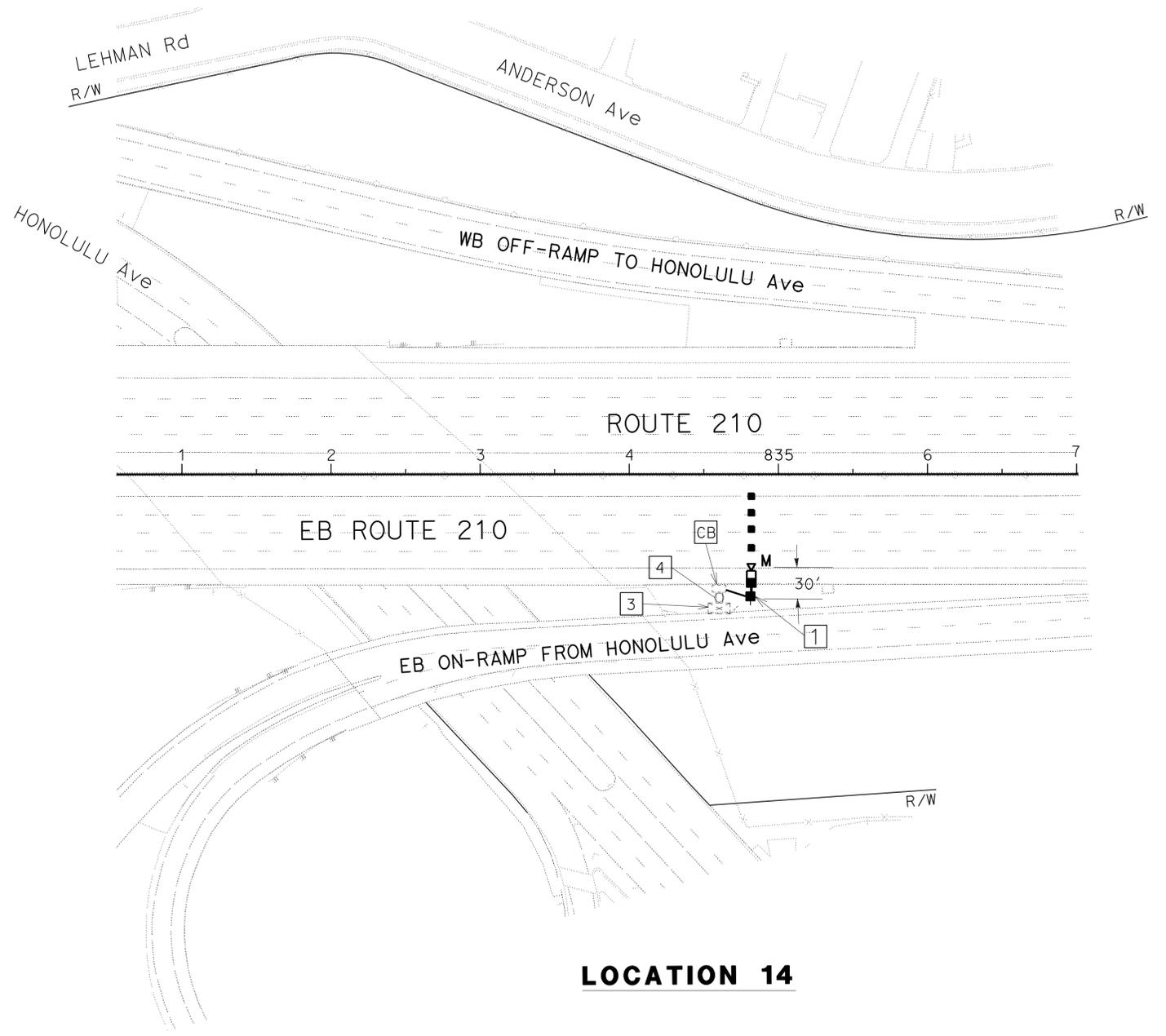
NOTE (THIS SHEET ONLY):

- MVDS SENSOR UNIT ON TEMPORARY WOOD POLE WITH 2" C RISER, 1 MVDS CABLE AND 1#8 (G). FOR WOOD POLE INSTALLATION AND DETAILS, SEE SHEET SES-1.
- 2" C IMVDS CABLE, 1#8 (G).
- INSTALL MVDS CONTROLLER AND EQUIPMENTS IN CONTROLLER CABINET.
- EXISTING 2-3" C. INSTALL 1 MVDS CABLE, 1#8 (G).

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
 LUKESUN
 CECILIO BURCIAGA
 YI TSAU



LOCATION 12



LOCATION 14

STAGE 2

TEMPORARY RAMP METERING SYSTEM

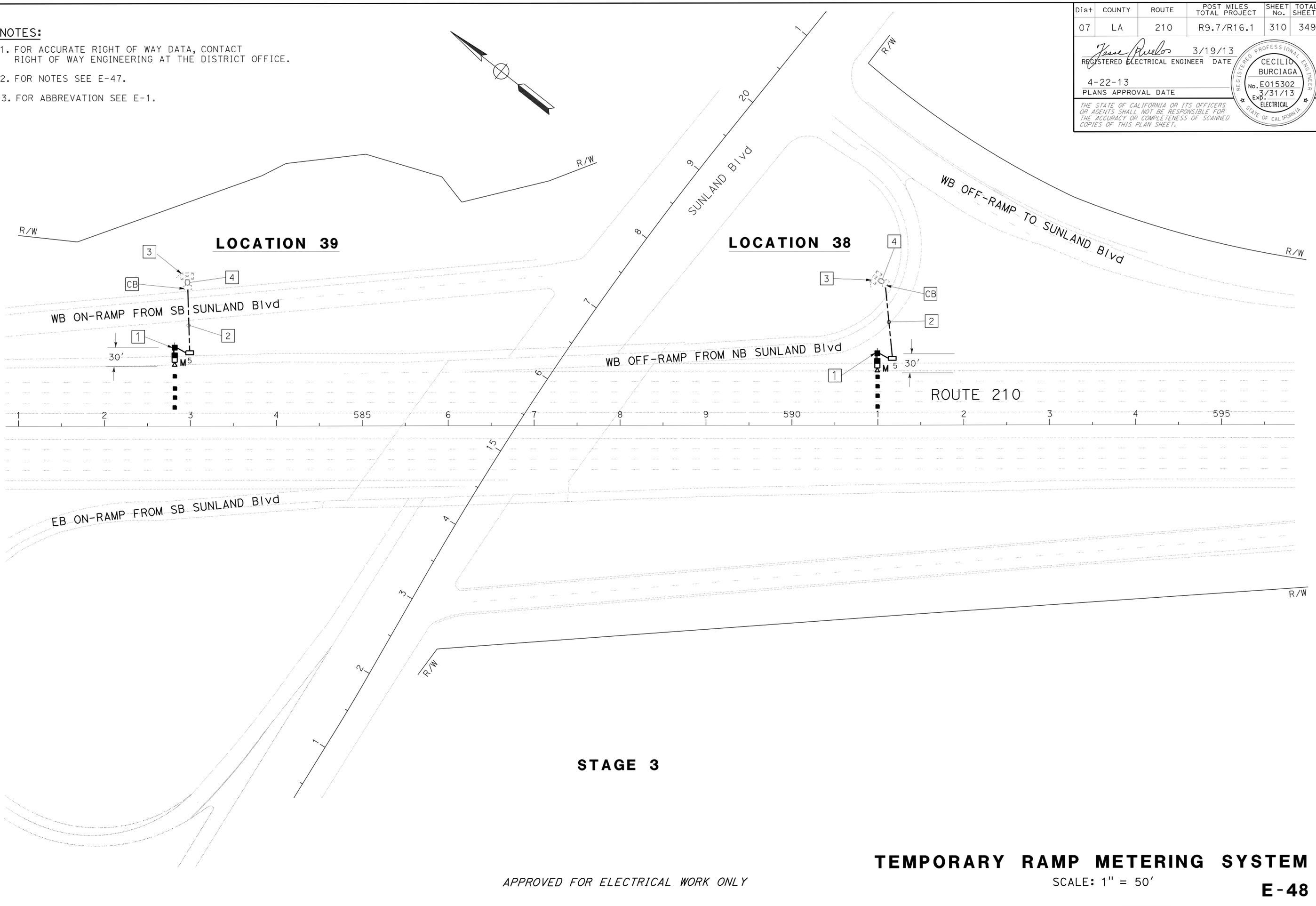
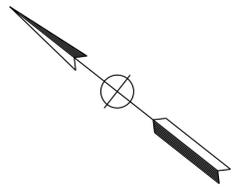
APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

E-47

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	310	349
		<i>Jesse Puelo</i> 3/19/13 REGISTERED ELECTRICAL ENGINEER DATE		CECILIO BURCIAGA No. E015302 Exp. 3/31/13 ELECTRICAL	
		4-22-13 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>					

- NOTES:**
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR NOTES SEE E-47.
 3. FOR ABBREVIATION SEE E-1.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Et Cetera
TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: YI TSAU
 CALCULATED-DESIGNED BY: LUI SUN
 CHECKED BY: CECILIO BURCIAGA
 REVISED BY: 8/2012
 DATE REVISED:

STAGE 3

TEMPORARY RAMP METERING SYSTEM

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

E-48

LAST REVISION | DATE PLOTTED => 29-APR-2013
 00-00-00 | TIME PLOTTED => 07:59

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: YI TSAU
 CALCULATED/DESIGNED BY: CECILIO BURCIAGA
 CHECKED BY:
 REVISIONS:
 8/2012
 REVISED BY: LUKESUN
 DATE REVISED: CECILIO BURCIAGA

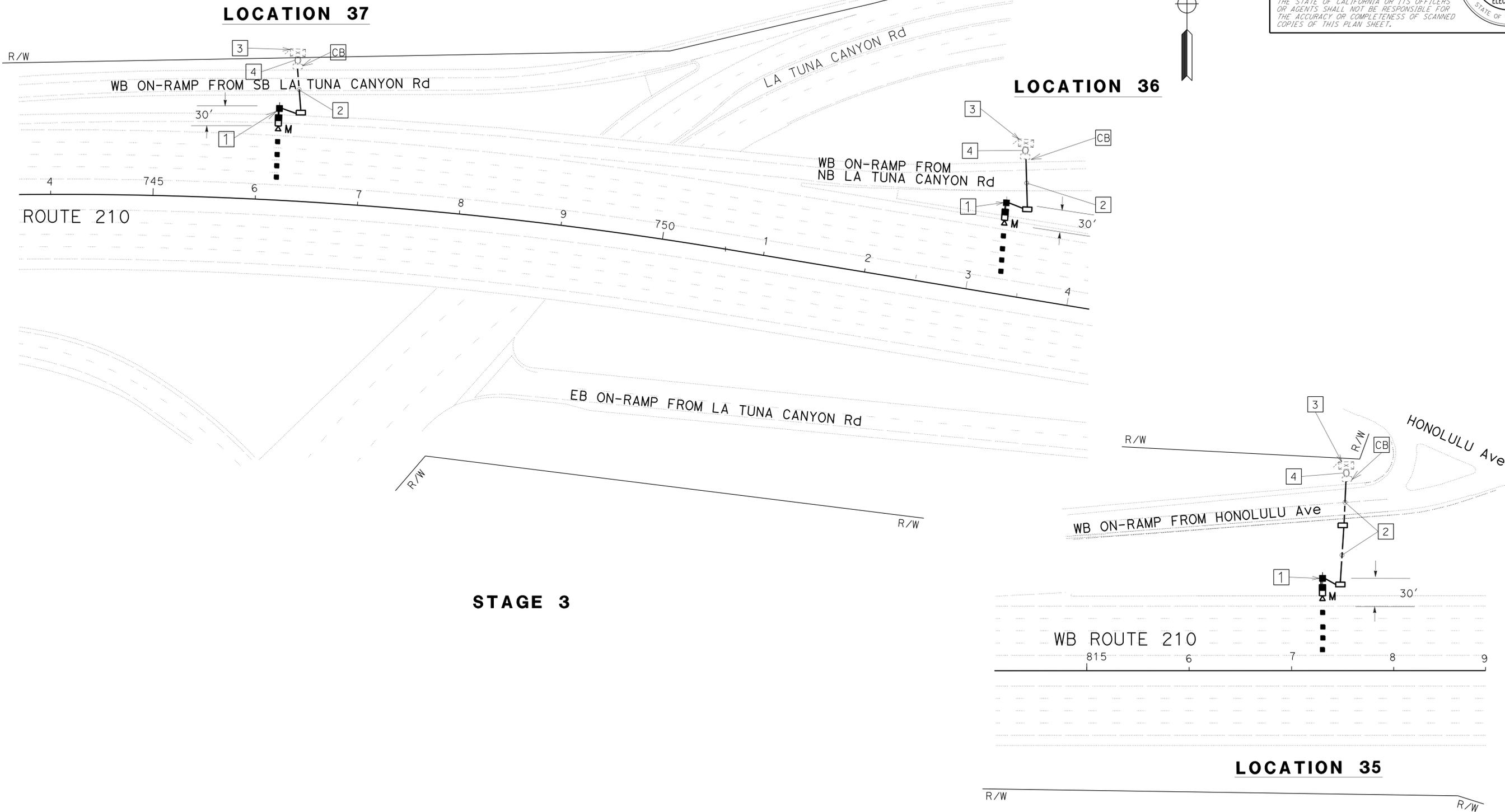
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES SEE E-47.
3. FOR ABBREVIATION SEE E-1.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	311	349

3/19/13
 REGISTERED ELECTRICAL ENGINEER DATE
 4-22-13
 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.

CECILIO BURCIAGA
 No. E015302
 Exp. 3/31/13
 ELECTRICAL
 STATE OF CALIFORNIA



STAGE 3

TEMPORARY RAMP METERING SYSTEM

SCALE: 1" = 50'

E-49

APPROVED FOR ELECTRICAL WORK ONLY

SHEET No.	MODIFY LIGHTING AND SIGN ILLUMINATION																								SERVICE									
	SIGN FIXTURES (EACH)						LUMINAIRES EACH		PULL BOXES EACH		CONDUITS (FEET)					CONDUCTORS (FEET)					R		A/I											
	FIXTURES TO BE REMOVED			ISL TO BE INSTALLED			HPS TO BE REMOVED	LED TO BE INSTALLED	TO BE REMOVED	TO BE INSTALLED	TO BE ABANDONED		TO BE INSTALLED			TO BE REMOVED		TO BE INSTALLED																
SIGN No.	FLUO	mv	SIGN No.	ISL	SC2A	POLE TYPE, Lum	POLE ID, LUM	QUANTITY -TYPE	TRPB	1 1/2"	2"	3"	2"	3"	#2	#4	#6	#8	#2	#4	#6	#8												
E-2	9731 9892	4 4		9721 9882	2 2	1 1	15, 250 W 15, 250 W 15, 250 W	9702, 235 W 9732, 235 W 9762, 235 W	7- No. 5	7	1060'			1060'									2120'			2120'	1060'							
E-3	10181 10432	4	2	10201 10442	2 1	1 1			10- No. 5	8	1300'	162'		1300'	162'	1448'								1090'			1448'	1090'	1462'					
E-4	10711	4		10701	2	1			8- No. 5	8	1050'	152'		1042'	152'									2438'			2784'	1392'						
E-5	10742	4		10752	1	1	15, 250 W 15, 250 W 31, 400 W 15, 250 W 31, 400 W 31, 400 W 15, 250 W	10772, 235 W 10802, 235 W 10811, 235 W 10832, 235 W 10841, 235 W 10871, 235 W 11012, 235 W	7- No. 5	7	806'	196'		806'	196'	304'	1612'										608'	1612'		1186'	2 CB 2 CB (A)			
E-6	11112	4		11130	2	1	15, 250 W 15, 250 W	11002, 235 W 11022, 235 W 11031, 235 W 11061, 235 W 11091, 235 W 11101, 235 W 11102, 235 W 11104, 235 W 11122, 235 W 11131, 235 W 11132, 235 W 11161, 235 W	20- No. 5	22	1769'	447'		1358'	437'	3544'												4550'			1795'	2 CB 2 CB (A)		
E-7	11421	3		11411	1	1	15, 250 W 15, 250 W 15, 250 W 31, 400 W 31, 400 W 31, 400 W	11321, 235 W 11351, 235 W 11381, 235 W 11382, 235 W 11412, 235 W 11442, 235 W	12- No. 5	14	1308'	192'		1708'	192'														3440'	2220'	1 SC 1 SC (I)			
E-8	11702 11821	4	2	11712	2	1			9- No. 5	11	1484'	167'		1437'														4684'	2342'					
E-9				11921	1	1				3(T) 3				1109'														2218'	1109'					
E-10	13402 13481		2 2	13412 13471	2 1	1 1			13- No. 5	13				2316'	2316'													4632'		4632'	2316'			
E-11	13852		2	13842	2	1	30, 310 W 30, 310 W 30, 310 W 30, 310 W 30, 310 W 30, 310 W	13882, 235 W 13901, 235 W 13922, 235 W 13941, 235 W 13952, 235 W 13981, 235 W	13- No. 5 2- No. 5(T)	10 5(T)																			5890'		5890'	2945'		
E-12	14151 14202		2 2	14141 14222	2 2	1 1	30, 310 W 30, 310 W 30, 310 W 15, 200 W 30, 310 W 15, 200 W 30, 310 W 15, 200 W 30, 310 W 15, 200 W 21, 310 W 15, 200 W 15, 200 W 15, 200 W 15, 200 W 15, 200 W 21, 310 W 30, 310 W	14021, 235 W 14051, 235 W 14071, 235 W 14092, 235 W 14101, 235 W 14112, 235 W 14131, 235 W 14132, 235 W 14161, 235 W 14164, 235 W 14162, 235 W 14172, 235 W 14191, 235 W 14201, 235 W 14221, 235 W	25- No. 5 3- No. 5(T)	29 1- No. 6PB																					7350'	310'	3562'	
SUB TOTAL			31	14		25	15	49	49	131	142	8777'	9410'	16909'	1617'	5296'	23624'	7416'									6606'	20356'	16646'	20889'	4 CB 4 CB			

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	312	349
			3/19/13		
REGISTERED ELECTRICAL ENGINEER			DATE		
4-22-13			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
JESSE RUELAS
 No. E015604
 Exp. 12/31/13
 ELECTRICAL
 STATE OF CALIFORNIA

NOTE: THE QUANTITIES ON THIS SHEET ARE FOR INFORMATION ONLY AND ARE NOT SEPARATE ITEMS.

FOR ABBREVIATION SEE E-1.

ELECTRICAL QUANTITIES

E-50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	314	349

Jesse Ruelas 3/19/13
 REGISTERED ELECTRICAL ENGINEER DATE
 4-22-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JESSE RUELAS
 No. E015604
 Exp. 12/31/13
 ELECTRICAL
 STATE OF CALIFORNIA

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TEMPORARY RAMP METERING SYSTEM					
SHEET No.	MVDS (EACH)	WOOD POLE (EACH)	No. 5 PB (EACH)	2" C (FEET)	MVDS CABLE (FEET)
E-47	2	2	3	175'	250'
E-48	2	2	2	90'	170'
E-49	3	3	4	225'	350'
TOTAL	7	7	9	490'	770'

MODIFY TRAFFIC MONITORING STATION						
SHEET No.	MVDS (RELOCATE)	TYPE 31 POLE (RELOCATE)	No. 5 PB (EACH)	2" C (FEET)	3" C (FEET)	MVDS CABLE (FEET)
E-30	1	1	1	21'	20'	82'

MODIFY RAMP METERING SYSTEM		
SHEET No.	LOOP DETECTORS (EACH)	STUBOUTS (EACH)
E-27	18	6
E-28	13	4
E-29	8	2
TOTAL	39	12

SHEET No.	LIGHTING (TEMPORARY)									
	LUMINAIRES (EACH)	PULL BOXES (EACH)	CONDUITS (FEET)		CONDUCTORS (FEET)					
	STANDARD TO BE INSTALLED	TO BE INSTALLED	TO BE INSTALLED	TO BE ABANDONED	TO BE INSTALLED			TO BE REMOVED		
	POLE TYPE, LUM	QUANTITY TYPE	2"	2"	#4	#6	#8	#4	#6	#8
E-31	15, 310 W HPS		25'	25'	50'		25'	50'		25'
E-32	15, 310 W HPS		10'	10'		1510'	755'		1510'	755'
E-33	15, 310 W HPS	1- No. 5	242'	242'	484'		242'	484'		242'
E-34	15, 310 W HPS	1- No. 5	110'	110'	220'		110'	220'		110'
E-35	15, 310 W HPS	1- No. 5	95'	95'	190'		95'	190'		95'
E-36	15, 310 W HPS		27'	27'	54'		27'	54'		27'
E-37	15, 310 W HPS		25'	25'		50'	25'		50'	25'
E-38	15, 310 W HPS	1- No. 5	247'	247'		494'	247'		494'	
E-39	15, 310 W HPS	1 -No. 5	142'	142'	284'		142'	284'		142'
E-40	15, 310 W HPS	1 -No. 5	311'	311'	262' (#2)		311'	262' (#2)		311'
E-41			141'	141'	282'		141'	282'		141'
E-42	15, 310 W HPS		28'	28'	56'		28'	56'		28'
E-43	15, 310 W HPS		53'	53'	106'		53'	106'		53'
E-44	15, 310 W HPS	1 -No. 5	102'	102'	204'		102'	204'		102'
E-45	15, 310 W HPS		58'	58'		116'	58'		116'	58'
E-46	15, 310 W HPS		12'	12'		24'	12'		24'	12'
TOTAL	16	8	1628'	1628'	2192'	2194'	2373'	2192'	2194'	2126'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
El Caltano TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR YI TSAU
 CALCULATED-DESIGNED BY CHECKED BY
 KARINE PARTAMIAN JESSE RUELAS
 REVISED BY DATE REVISED
 8/2012

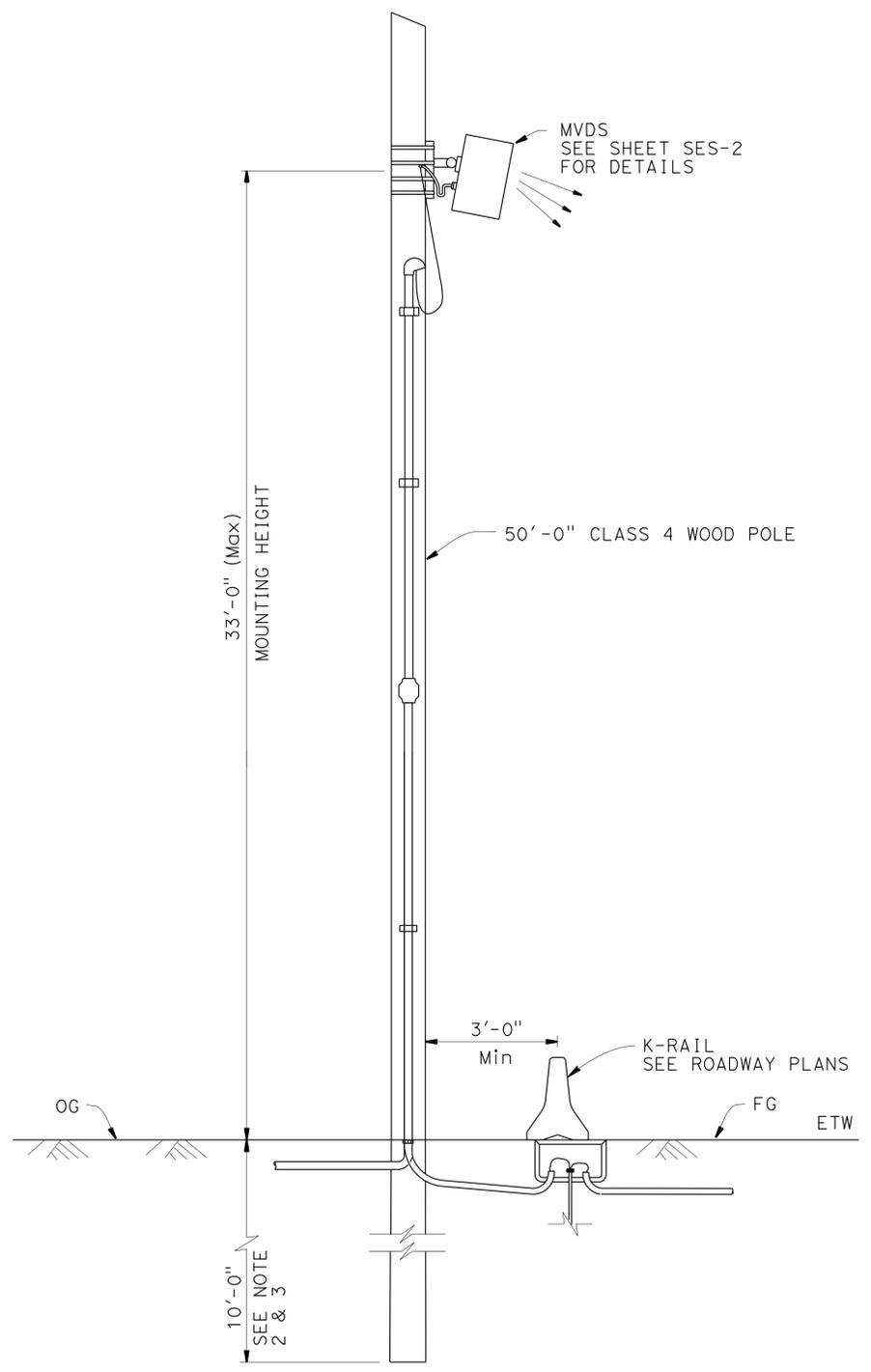
FOR ABBREVIATIONS SEE E-1.

ELECTRICAL QUANTITIES

E-52



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	315	349
			REGISTERED CIVIL ENGINEER	DATE	
			2/28/13		
			PLANS APPROVAL DATE		
			4-22-13		
REGISTERED PROFESSIONAL ENGINEER TAMARA S. MARCHENKO No. C76837 Exp. 12/31/14 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.					



WOOD POLE SUPPORT FOR MVDS

GENERAL NOTES:

Design: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals dated 2009 and 2010 Interim Revisions.

LOADING

Wind Loadings: 100 MPH

UNIT STRESSES

Timber Poles: Tapered treated round pole ASTM D2899 Standard
 Fb = 1850 psi
 Fv = 110 psi
 E = 1500 x 10³ psi

TREATMENT

To conform with Section 86 Standard Specifications

GALVANIZING

All steel or iron per Section 75 Standard Specification

SPECIFICATIONS

Caltrans Standard Specifications 2010
 ANSI 05 Wood Poles

NOTES:

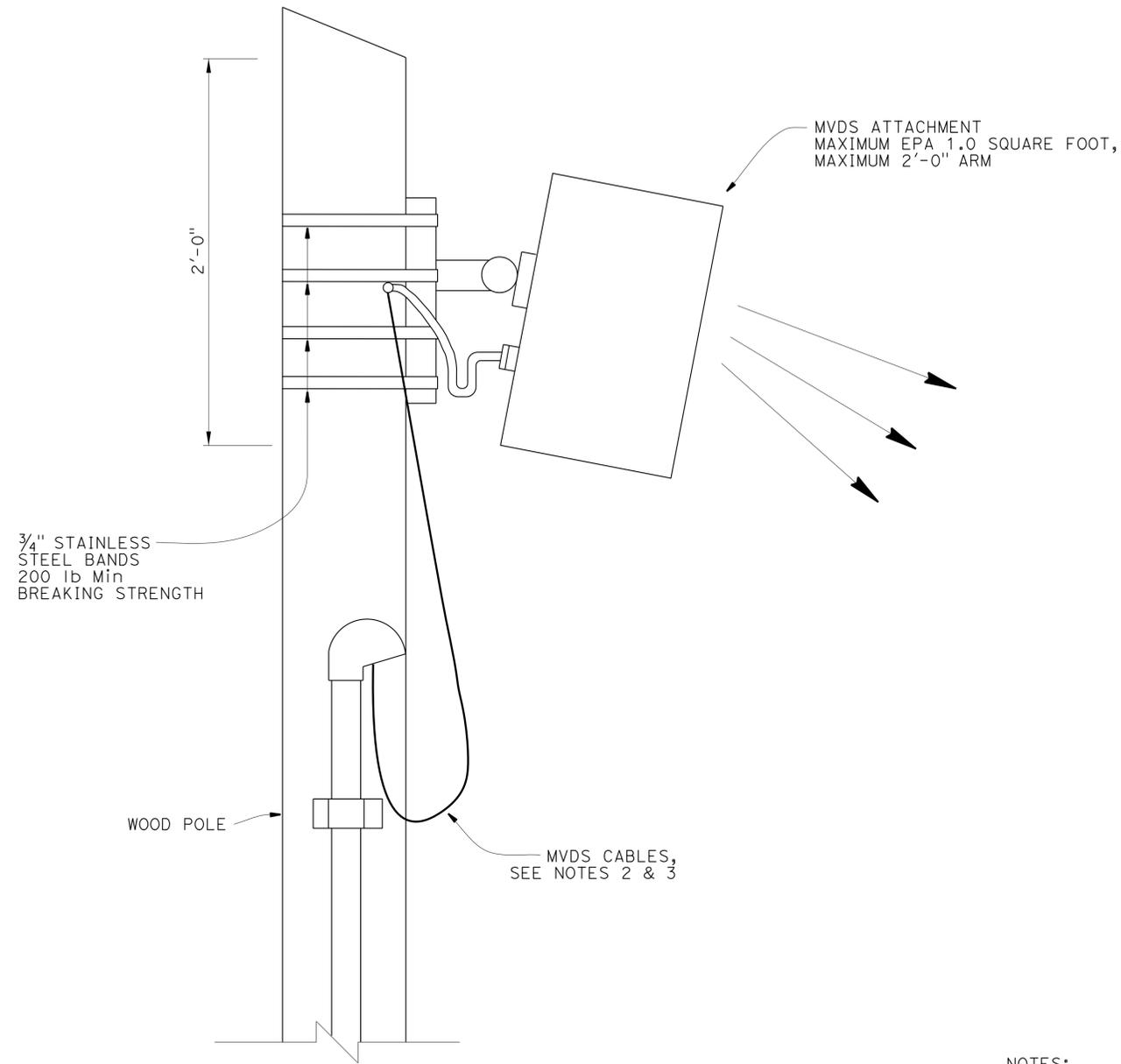
1. Mount all attachments with stainless steel straps or other manufacturers methods without drilling holes in pole, except as shown. Drilling through pole will require the Engineer's approval.
2. Foundation design is based on AASHTO 2001 article 13.6 Broms' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30° and unit weight of soil used is 120 lb/ft³. The Contractor to verify actual soil condition.
3. If pole is located on or near a steep slope add 2 feet extra for embedment.
4. See Sheets SES-2 for details.
5. For details not shown, see "2010 STANDARD PLANS".

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

NO SCALE

BRANCH CHIEF <u>JAMES SAGAR</u>	DESIGN	BY T MARCHENKO	CHECKED A MALAK	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES DESIGN AND TECHNICAL SERVICES SPECIAL DESIGNS BRANCH	BRIDGE NO.	N/A	RAMP METERING SYSTEM TEMPORARY WOOD POLE	SES-1
	DETAILS	BY H NGUYEN	CHECKED A MALAK			POST MILE	R9.7/R16.1		
	QUANTITIES	BY	CHECKED						

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	316	349
			2/28/13		
REGISTERED CIVIL ENGINEER			DATE		
4-22-13			PLANS APPROVAL DATE		
					
<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>					



MVDS MOUNTING DETAIL

NOTES:

1. Exact mounting location of MVDS attachment and bracket must be approved by the Engineer per manufacturer's recommendation.
2. MVDS cables must have a drip loop.
3. MVDS cables must run continuous and must not be twisted from the miscellaneous attachment. No splices shall be allowed.
4. Use the manufacturer's Effective Projected Area (EPA) for MVDS attachment. The maximum EPA for the attachment is 1.0 square feet.
5. MVDS attachment must be mounted using clamping devices approved by the Engineer per manufacturer's recommendations.

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

NO SCALE

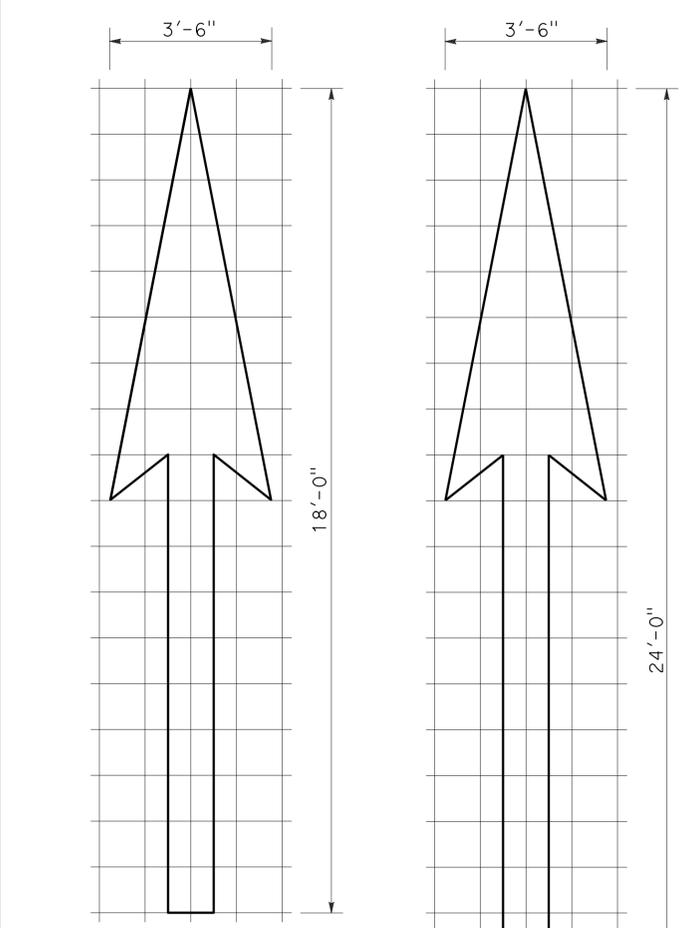
BRANCH CHIEF <u>JAMES SAGAR</u>	DESIGN	BY T MARCHENKO	CHECKED A MALAK	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN SPECIAL DESIGN BRANCH	BRIDGE NO.	RAMP METERING SYSTEM MVDS MOUNTING DETAIL	SES-2					
	DETAILS	BY H NGUYEN	CHECKED A MALAK			N/A							
	QUANTITIES	BY X	CHECKED X			POST MILE R9.7/R16.1							
STRUCTURES DESIGN SPECIAL DESIGN SHEET (ENGLISH) (REV. 09-01-10)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3619 PROJECT NUMBER & PHASE: 0700020957-1 CONTRACT NO.: 07-288011		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES 10-31-12 3-28-13		SHEET	OF
										2	3		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	318	349

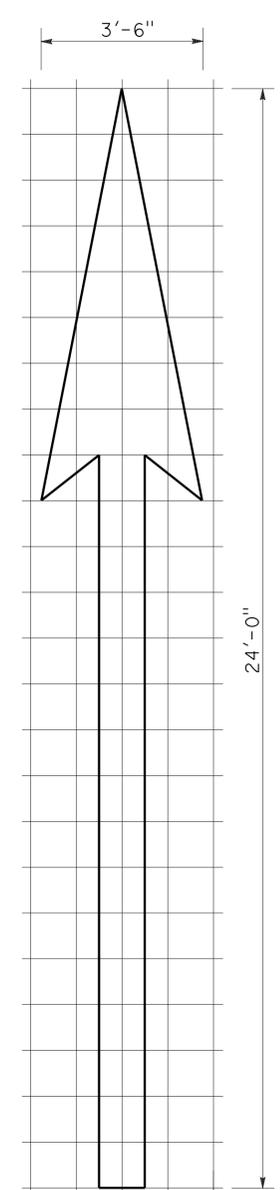
Roberto L. McLaughlin
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Roberto L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

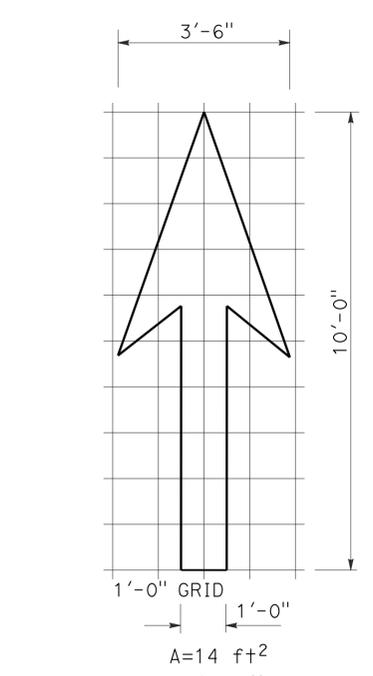
TO ACCOMPANY PLANS DATED 4-22-13



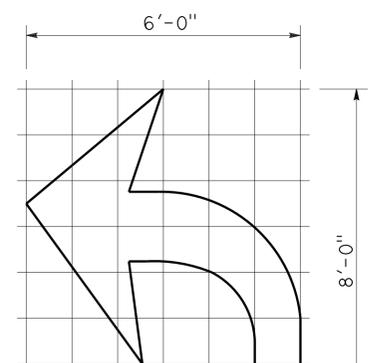
1'-0" GRID 1'-0"
A=25 ft²
TYPE I 18'-0" ARROW



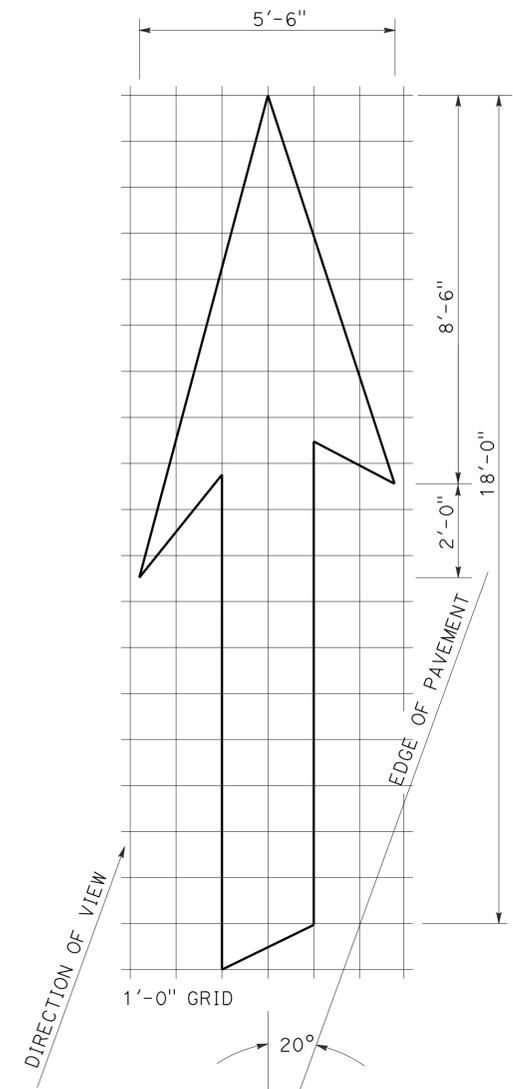
1'-0" GRID 1'-0"
A=31 ft²
TYPE I 24'-0" ARROW



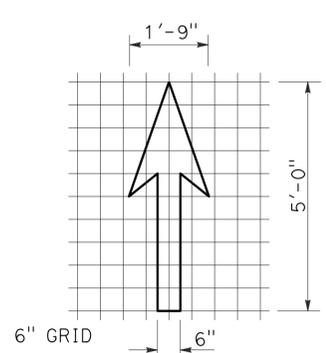
1'-0" GRID 1'-0"
A=14 ft²
TYPE I 10'-0" ARROW



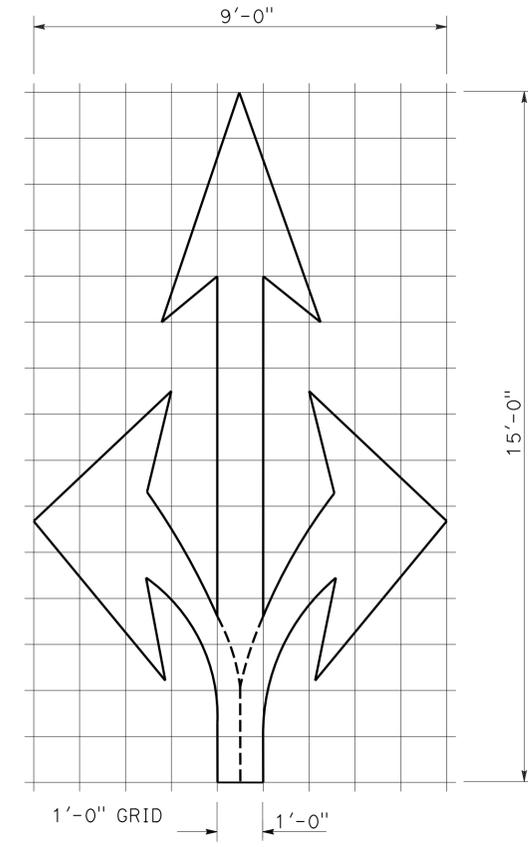
1'-0" GRID 1'-0"
A=15 ft²
TYPE IV (L) ARROW
(For Type IV (R) arrow, use mirror image)



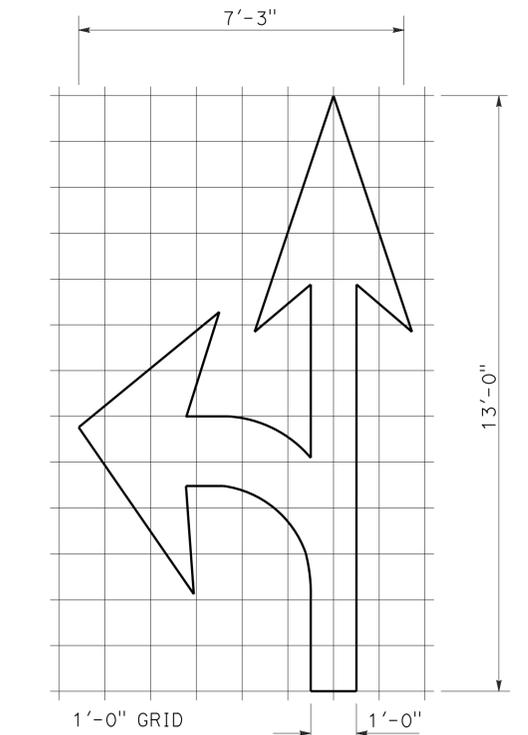
1'-0" GRID 20°
A=42 ft²
TYPE VI ARROW
Right lane drop arrow
(For left lane, use mirror image)



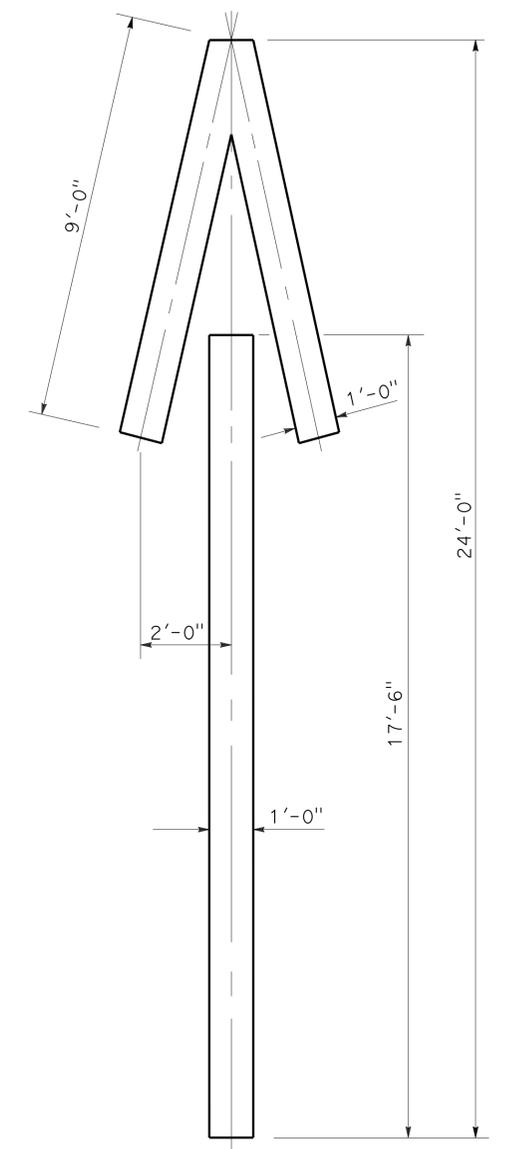
6" GRID 6"
A=3.5 ft²
BIKE LANE ARROW



1'-0" GRID 1'-0"
A=36 ft²
TYPE VIII ARROW



1'-0" GRID 1'-0"
A=27 ft²
TYPE VII (L) ARROW
(For Type VII (R) arrow, use mirror image)



A=33 ft²
TYPE V ARROW

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

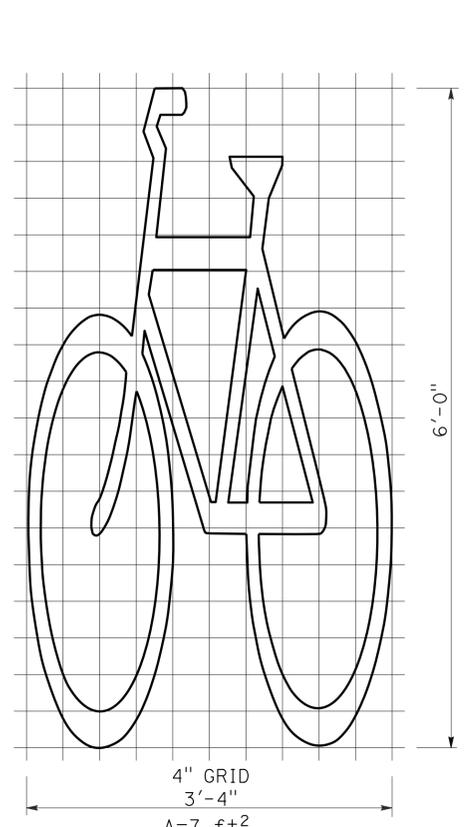
2010 REVISED STANDARD PLAN RSP A24A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	319	349

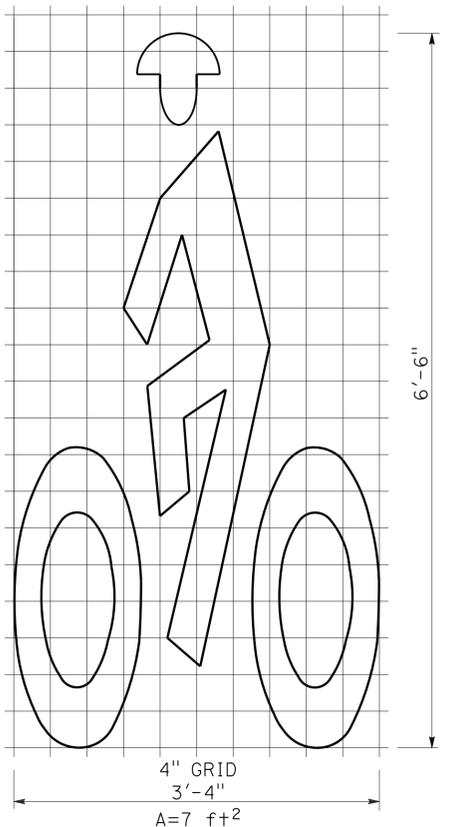
Registered Professional Engineer
 Roberto L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

October 19, 2012
 PLANS APPROVAL DATE

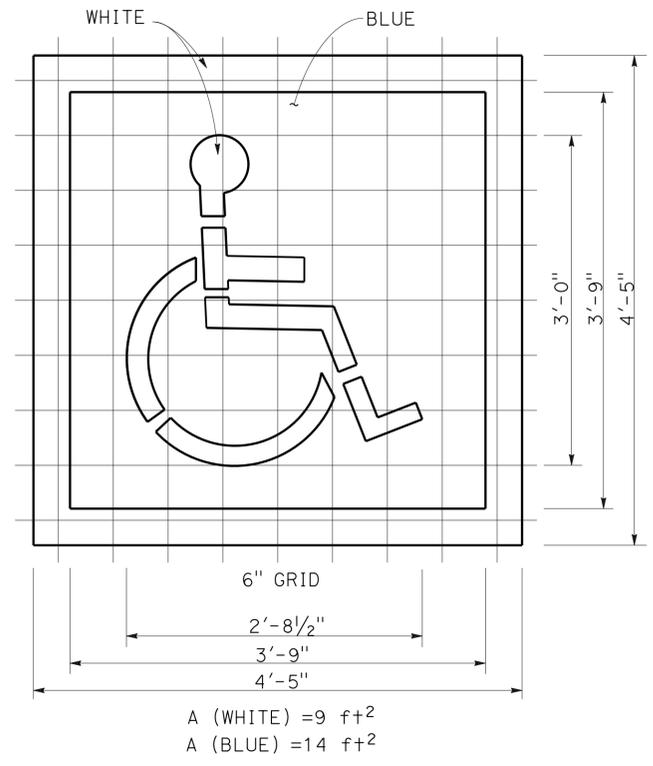
THE STATE OF CALIFORNIA OR ITS OFFICERS
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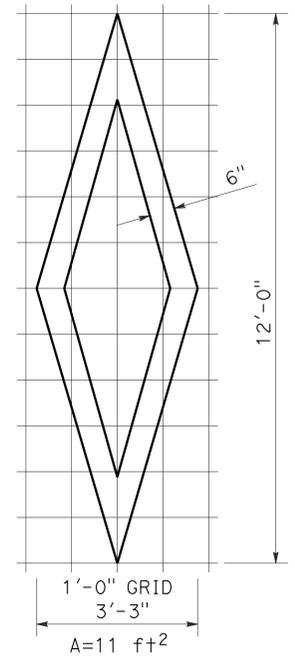
**BIKE LANE SYMBOL
WITHOUT PERSON**



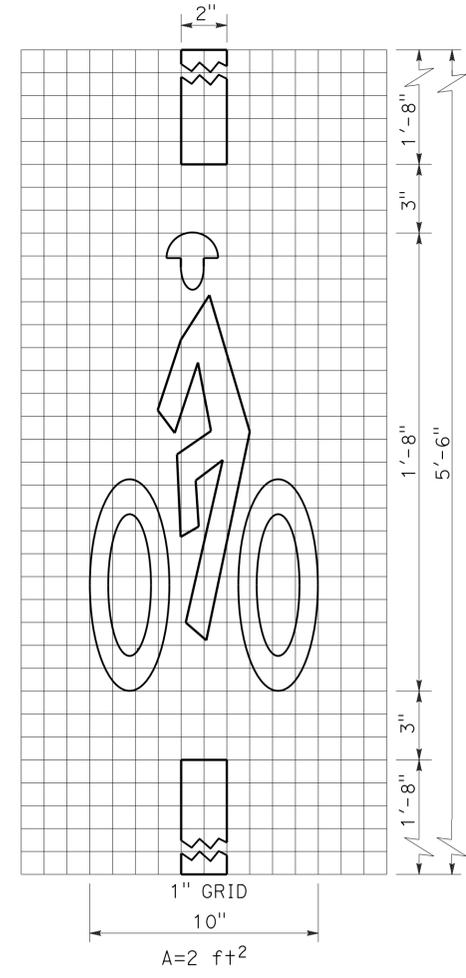
**BIKE LANE SYMBOL
WITH PERSON**



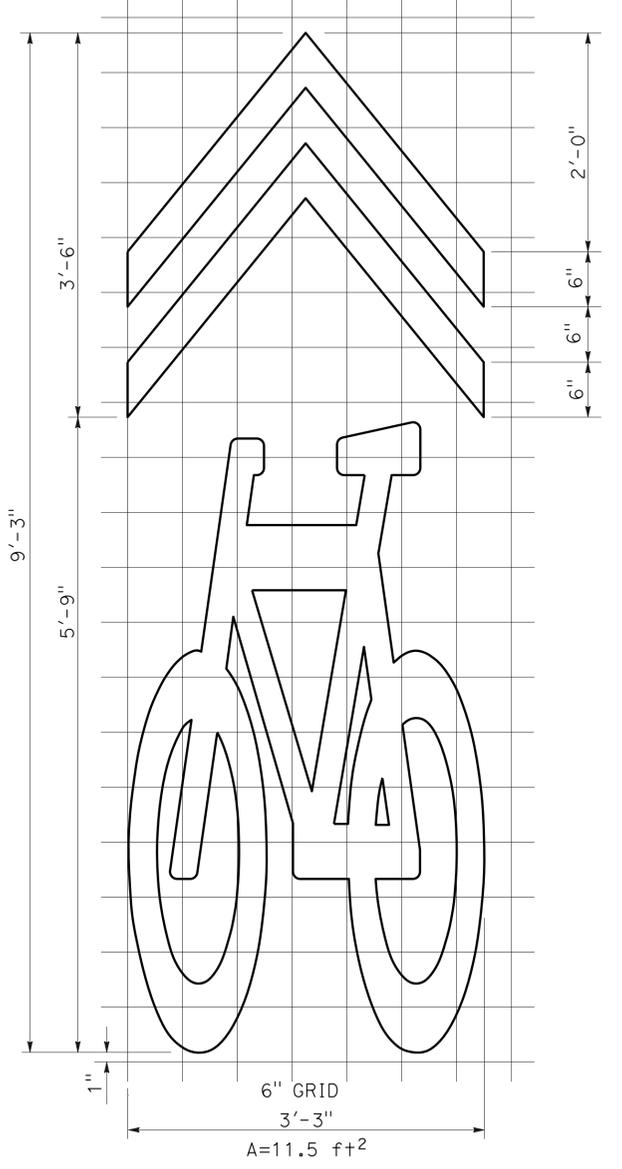
**INTERNATIONAL SYMBOL
OF ACCESSIBILITY (ISA) MARKING**



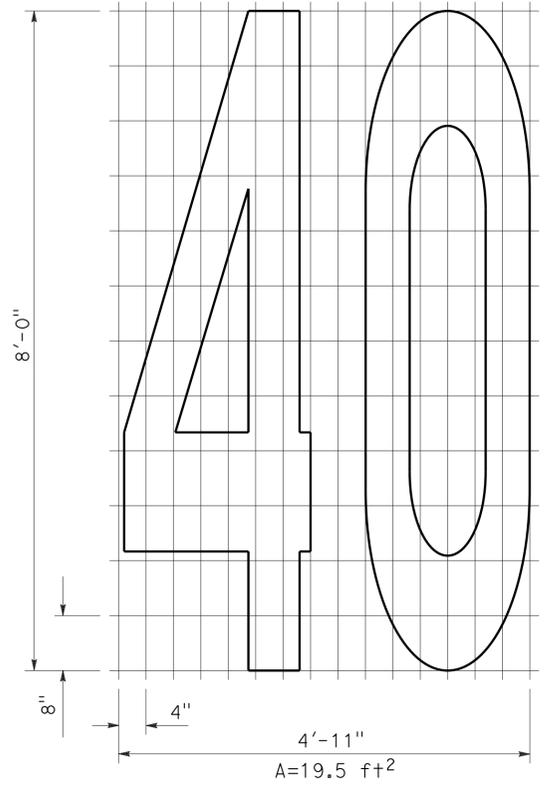
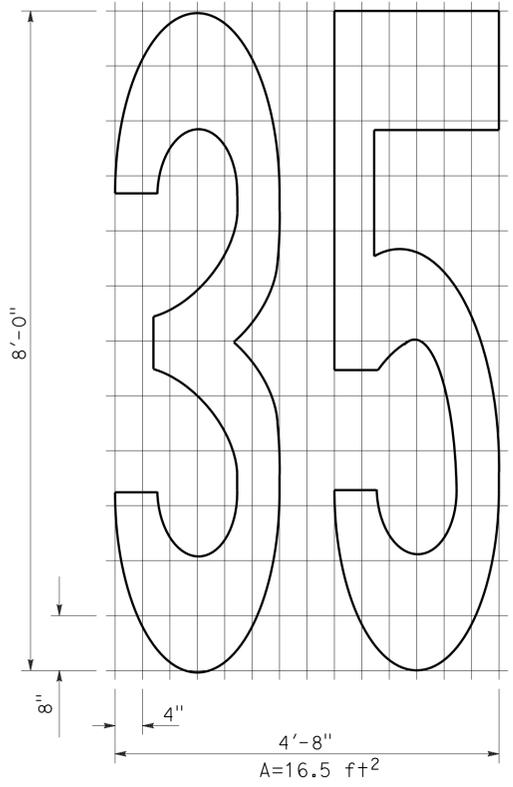
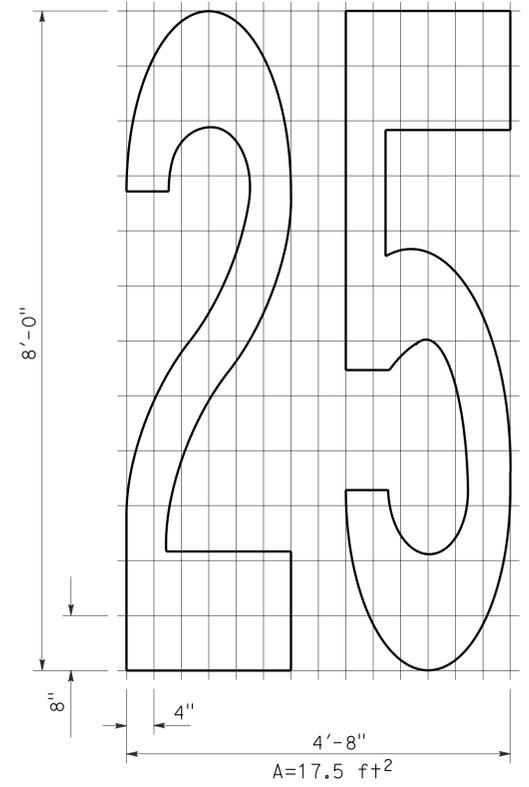
DIAMOND SYMBOL



**BICYCLE LOOP
DETECTOR SYMBOL**



SHARED ROADWAY BICYCLE MARKING



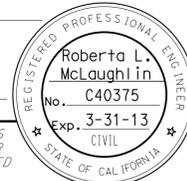
NUMERALS

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 SYMBOLS AND NUMERALS**
 NO SCALE

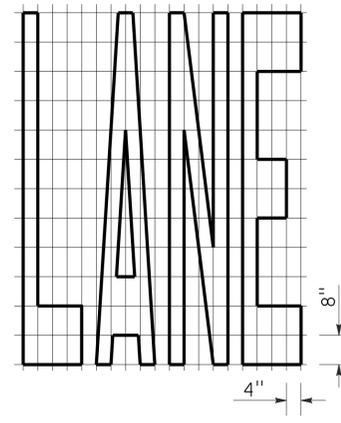
RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C
 DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24C

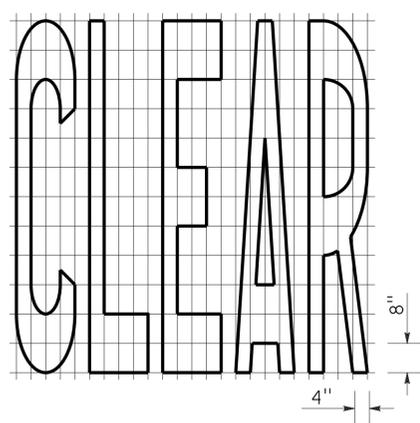
2010 REVISED STANDARD PLAN RSP A24C



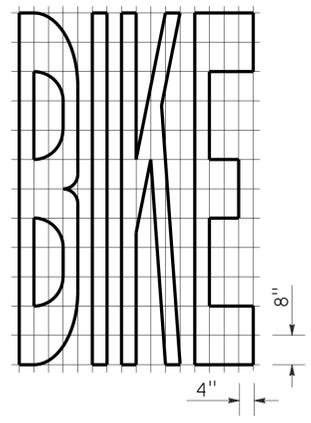
TO ACCOMPANY PLANS DATED 4-22-13



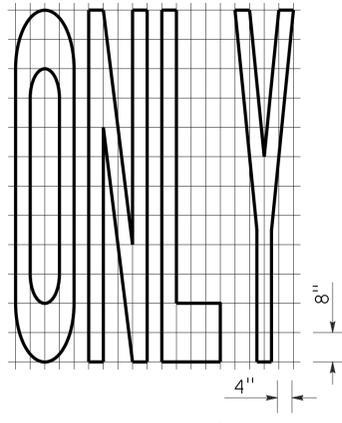
A=24 ft²



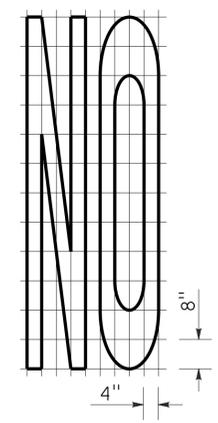
A=27 ft²



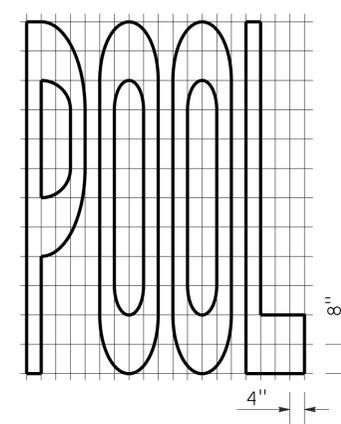
A=21 ft²



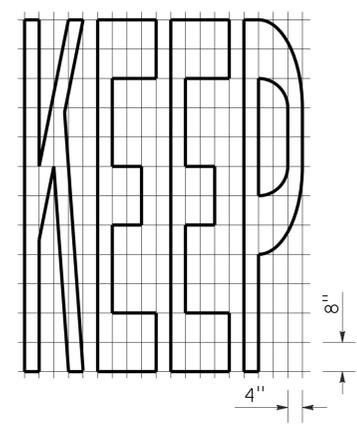
A=22 ft²



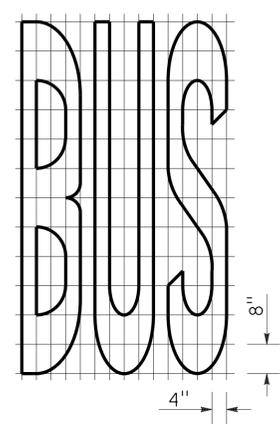
A=14 ft²



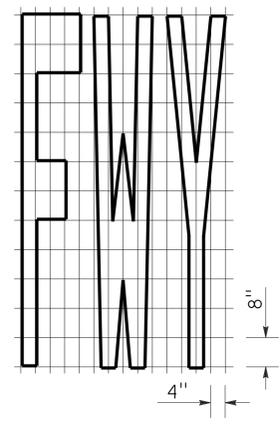
A=23 ft²



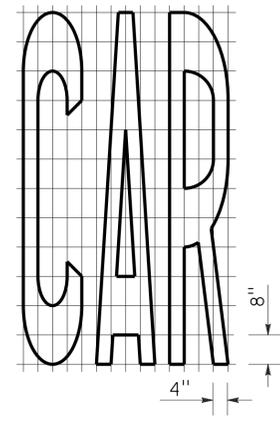
A=24 ft²



A=20 ft²

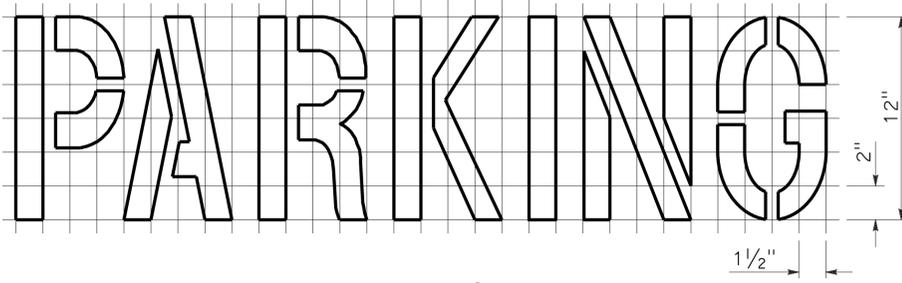
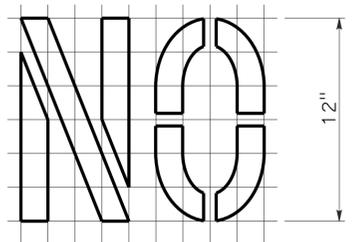


A=16 ft²

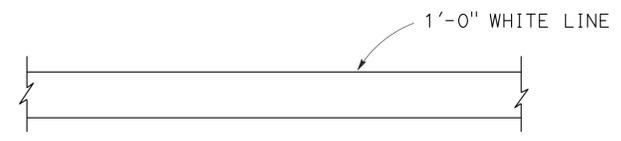


A=17 ft²

WORD MARKINGS			
ITEM	ft ²	ITEM	ft ²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**
NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	321	349

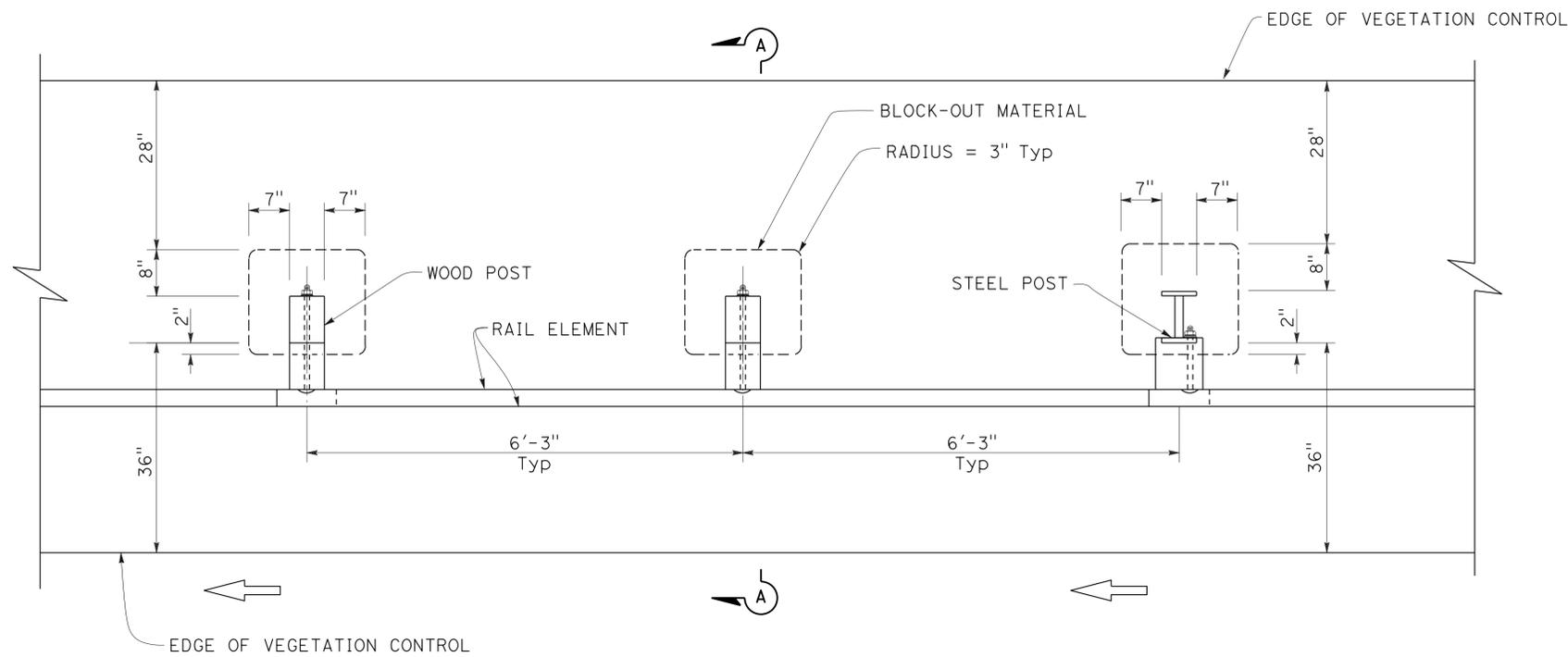
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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

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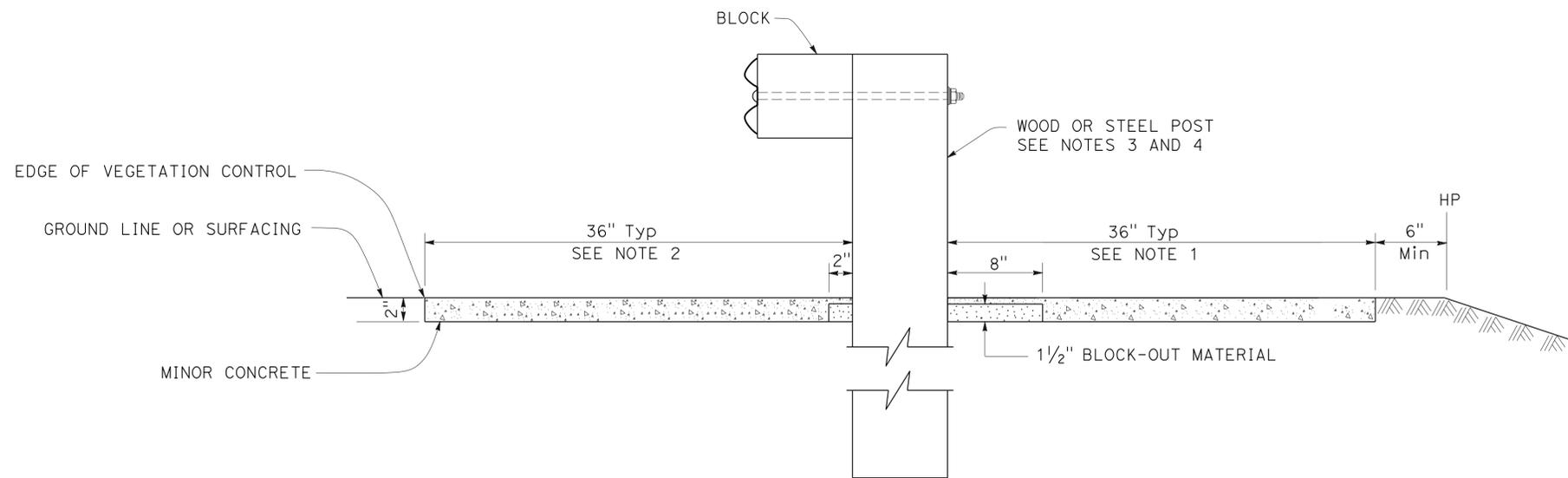
TO ACCOMPANY PLANS DATED 4-22-13



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
07	LA	210	R9.7/R16.1	322	349

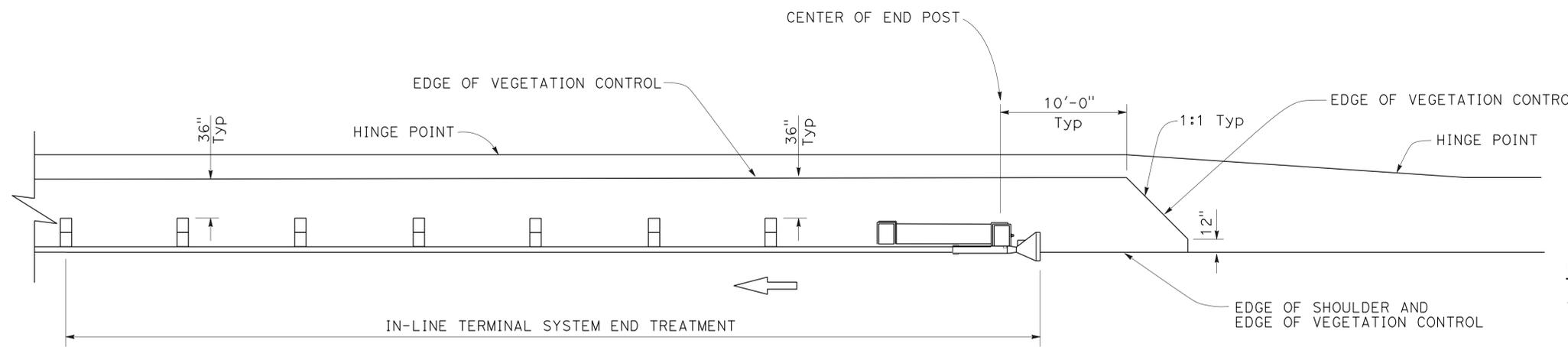
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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

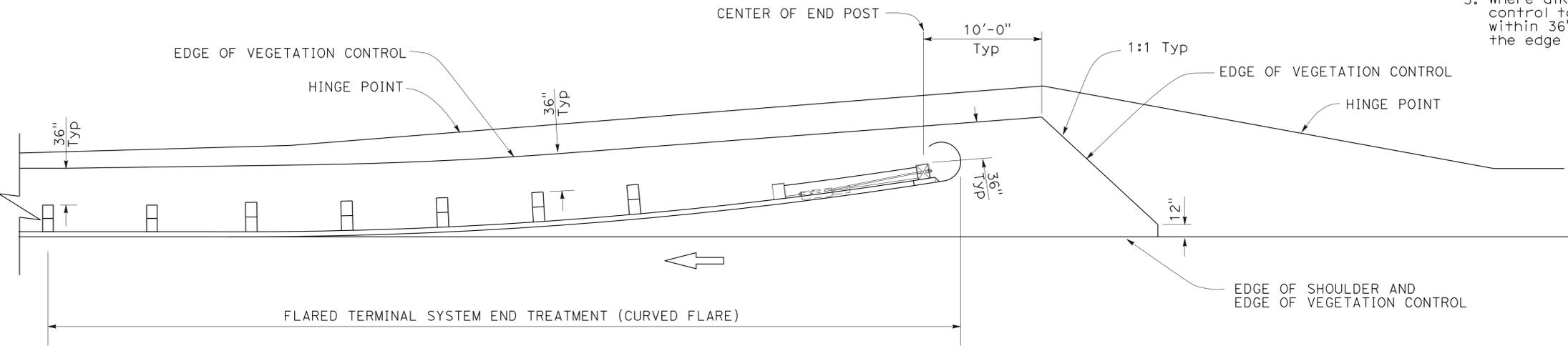
TO ACCOMPANY PLANS DATED 4-22-13



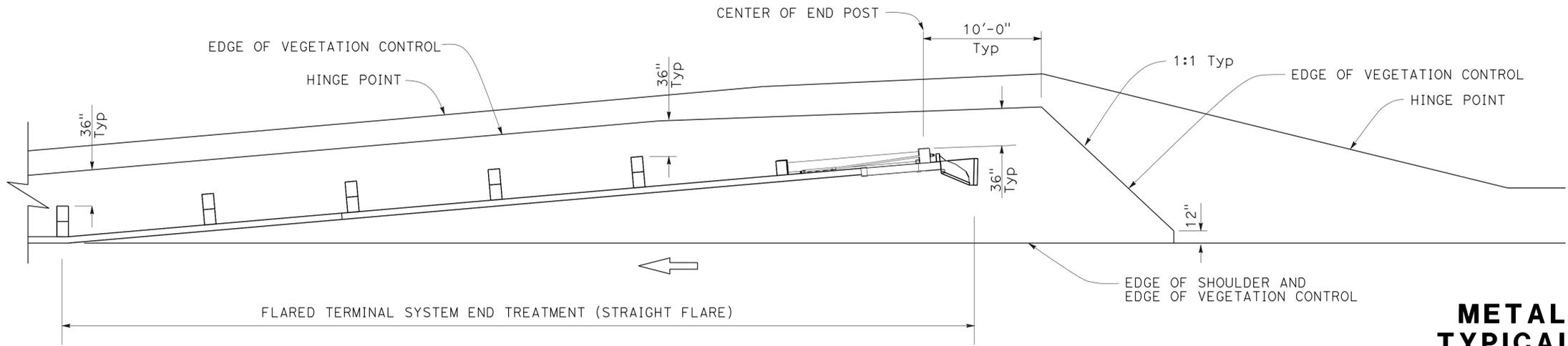
PLAN

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
07	LA	210	R9.7/R16.1	323	349

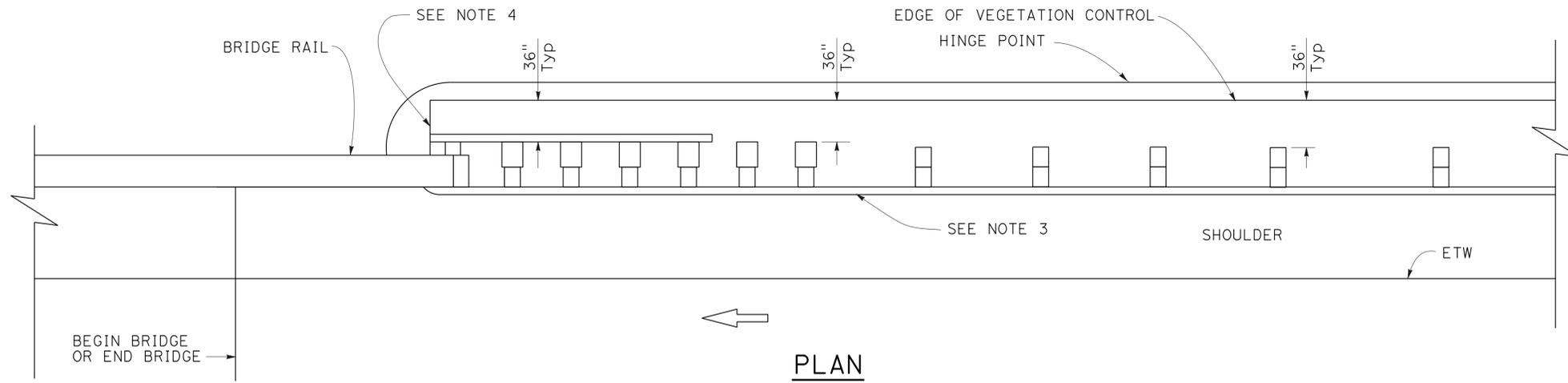
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

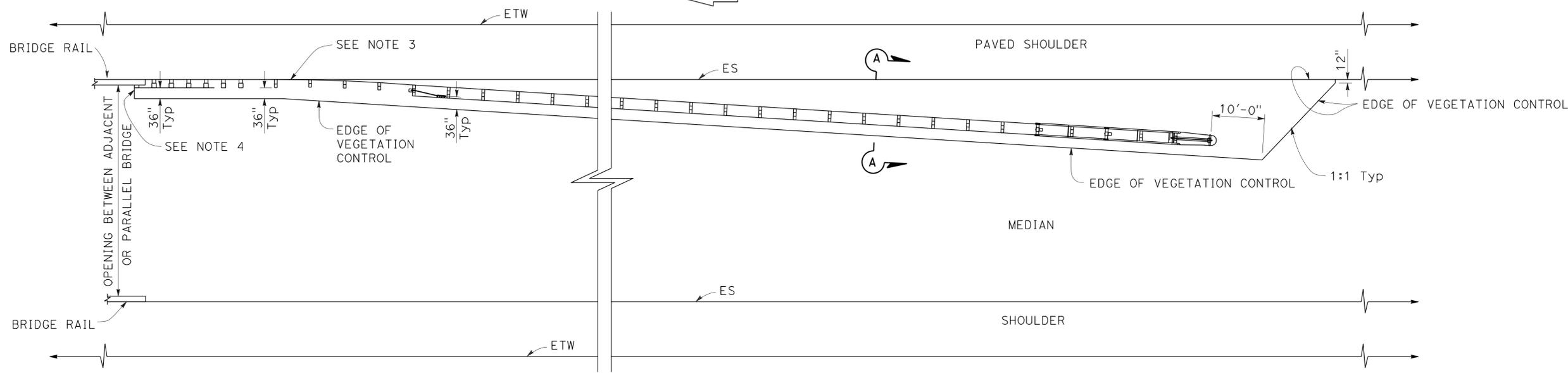
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TO ACCOMPANY PLANS DATED 4-22-13

2010 REVISED STANDARD PLAN RSP A77C7



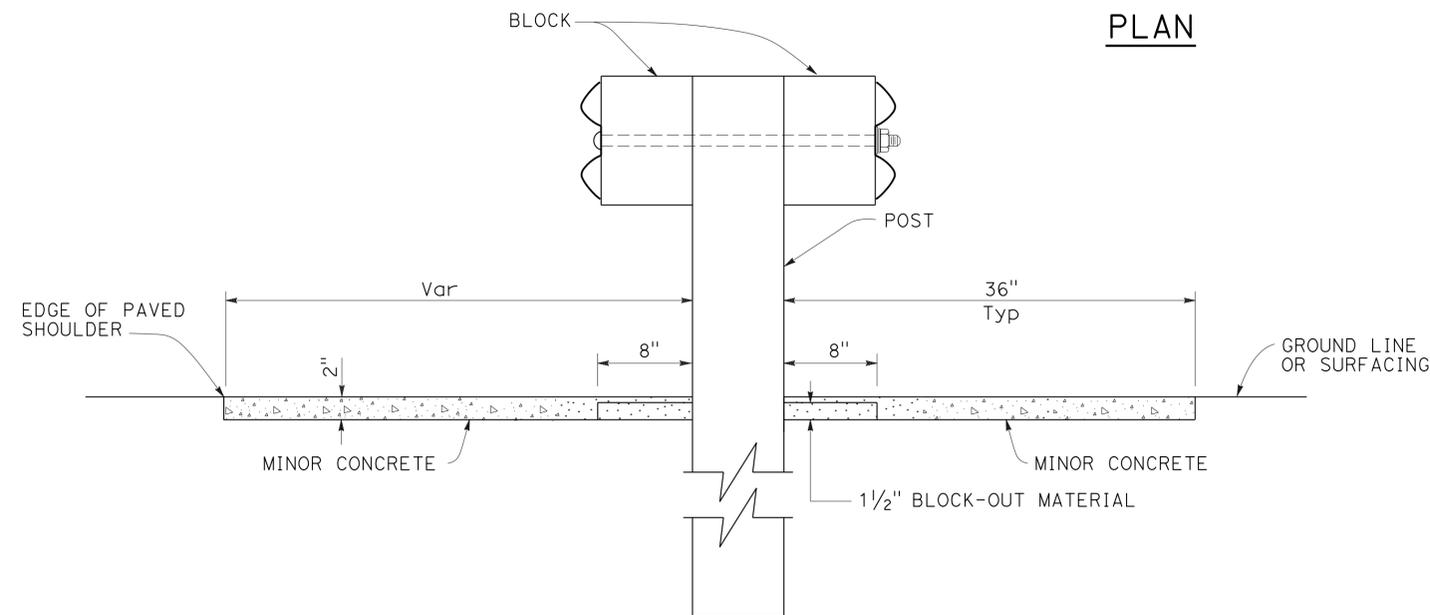
PLAN



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.
4. End vegetation control at end of backside rail element.



SECTION A-A

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.

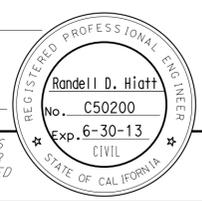
REVISED STANDARD PLAN RSP A77C7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	324	349

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

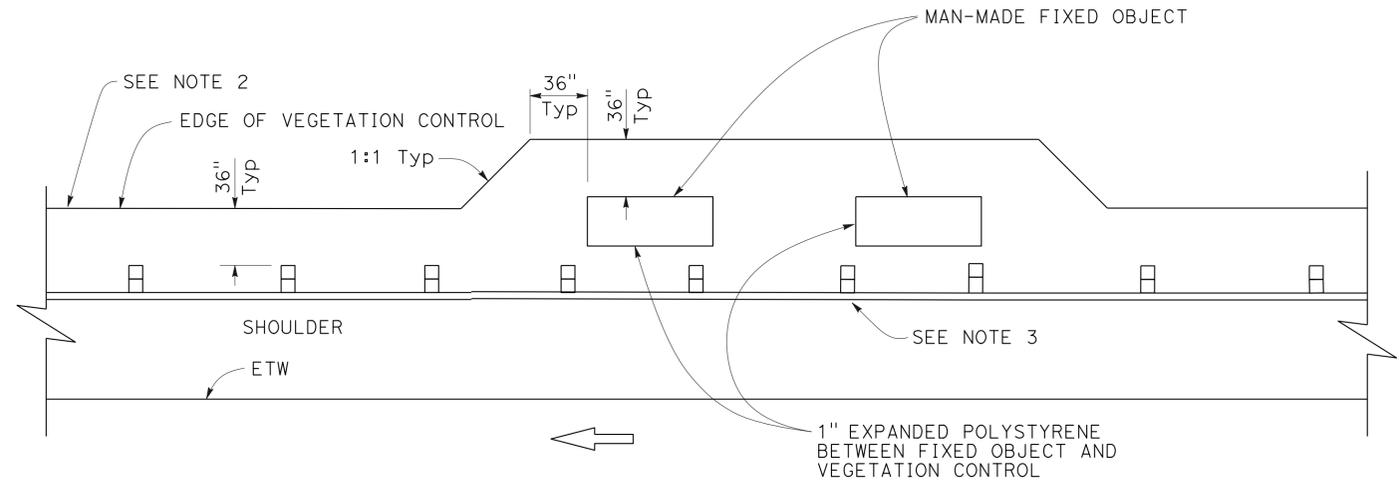
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TO ACCOMPANY PLANS DATED 4-22-13

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
Fixed object(s) on shoulder

2010 REVISED STANDARD PLAN RSP A77C8

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
AT FIXED OBJECT**

NO SCALE

RSP A77C8 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C8
DATED MAY 20, 2011 - PAGE 56 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C8

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	325	349

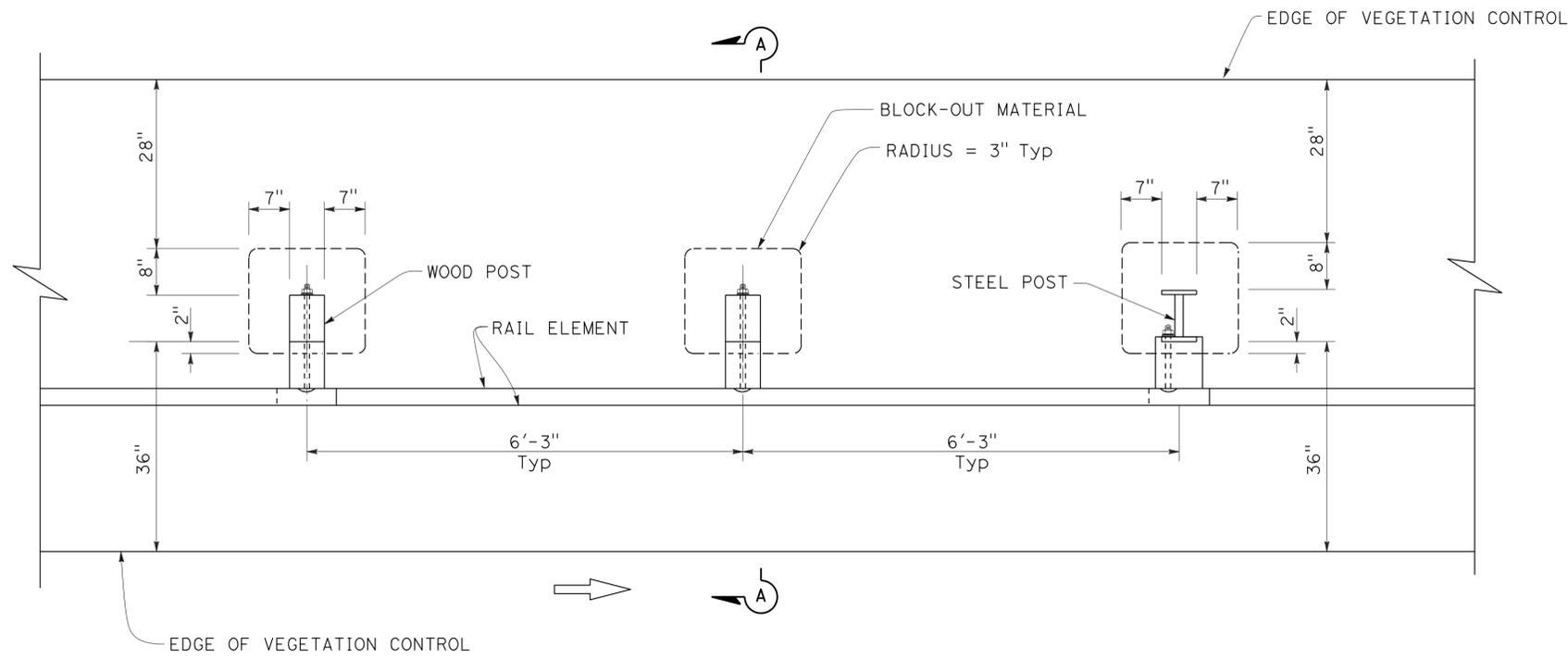
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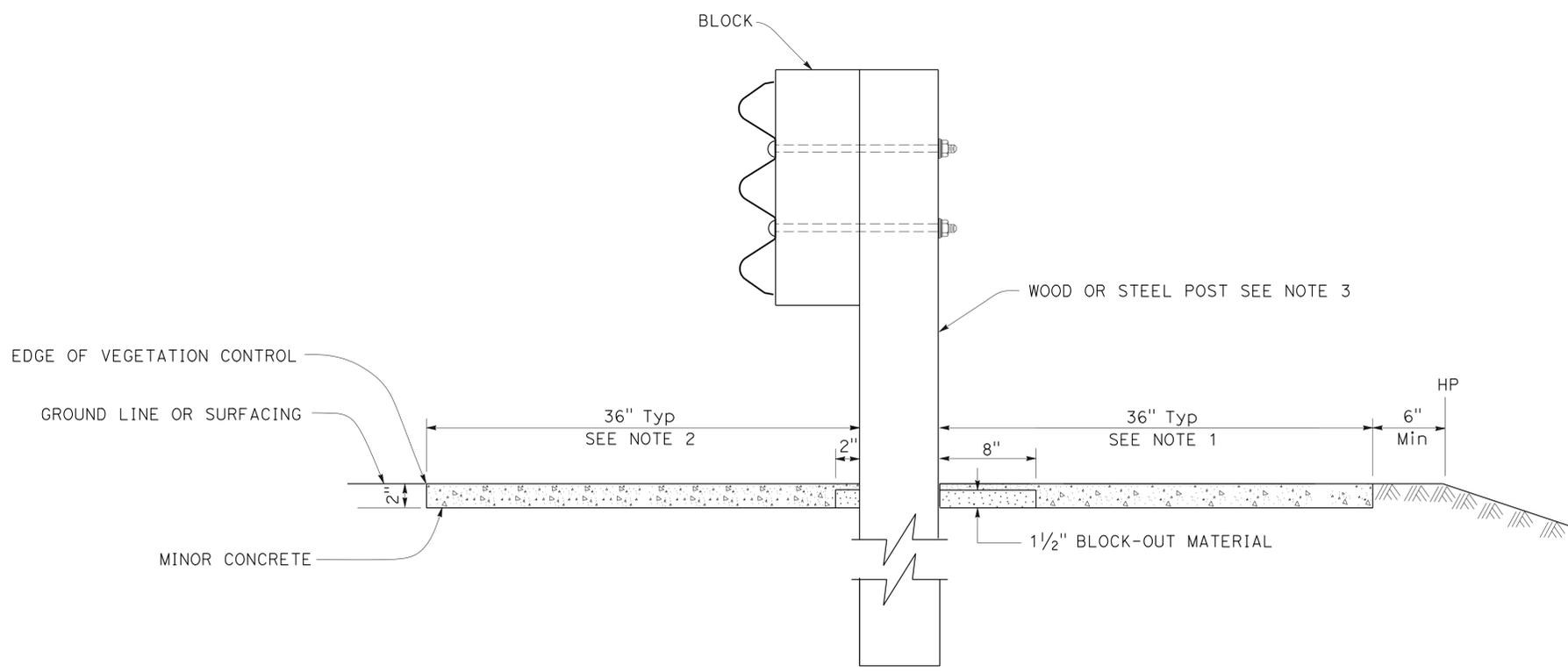
TO ACCOMPANY PLANS DATED 4-22-13



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 barrier, 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 and steel post sizes, see Standard Plan A77C2.
4. For details not shown, see Standard Plans A78A and A78B.



SECTION A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**SINGLE THRIE BEAM BARRIER
TYPICAL VEGETATION CONTROL
STANDARD BARRIER RAILING SECTION**

NO SCALE

RSP A78C3 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A78C3
DATED MAY 20, 2011 - PAGE 93 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A78C3

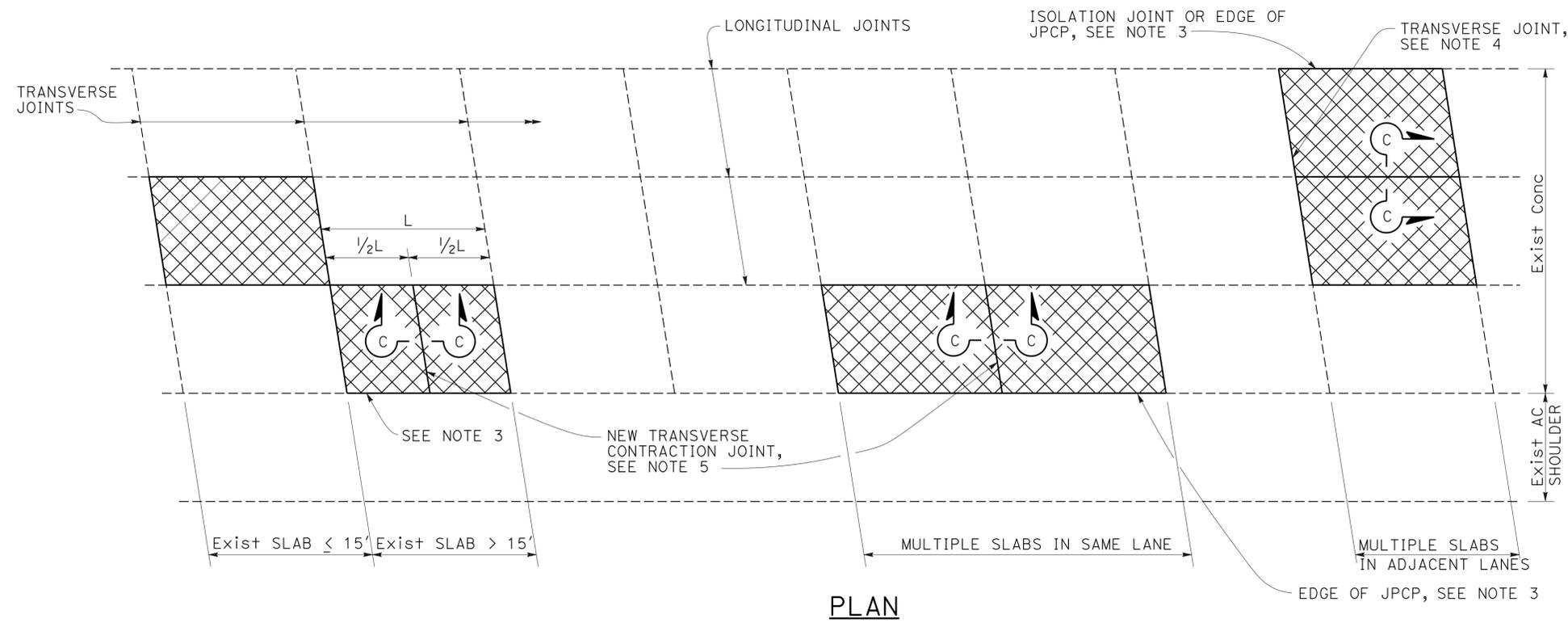
2010 REVISED STANDARD PLAN RSP A78C3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	326	349

William K. Farnbach
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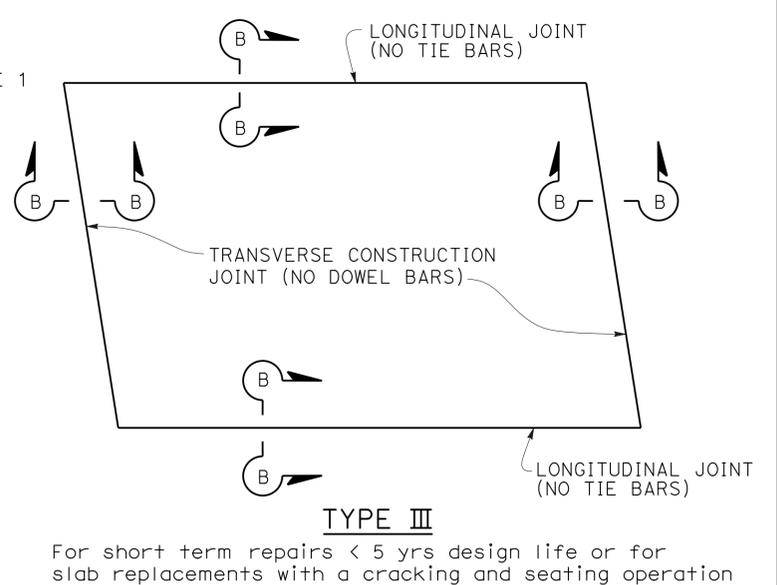
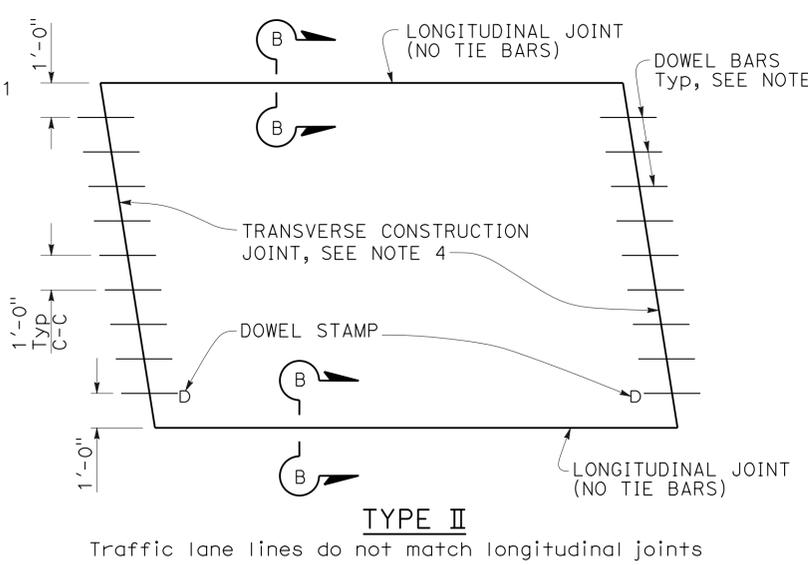
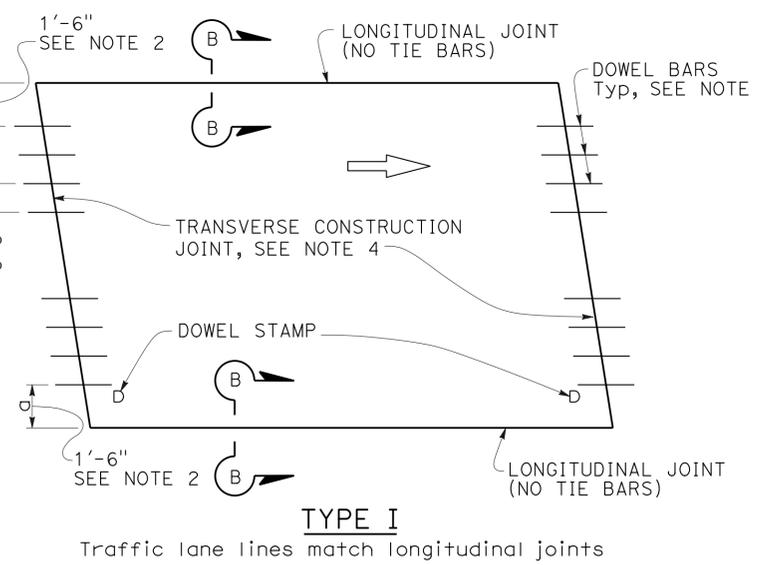
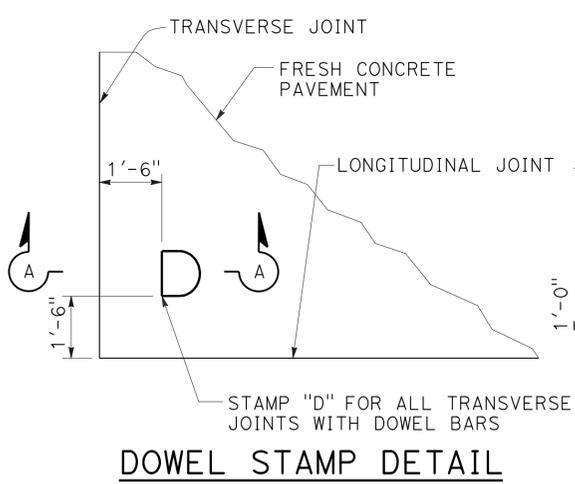
TO ACCOMPANY PLANS DATED 4-22-13



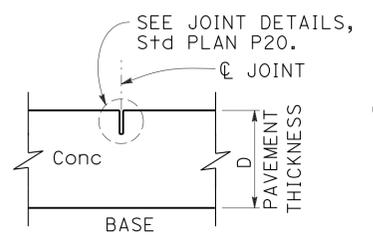
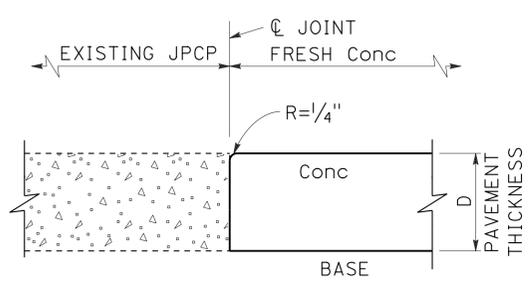
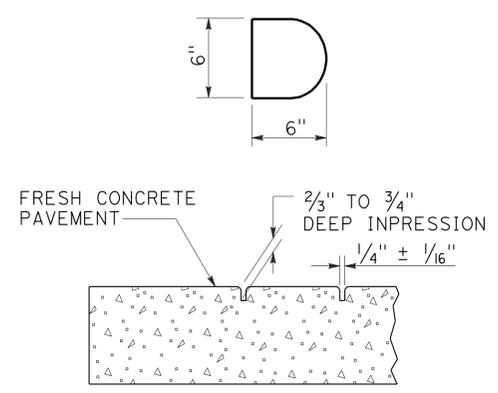
NOTES:

- For details not shown, see Revised Standard Plan P10.
- Where the existing outer shoulder pavement is asphalt concrete pavement, the "a" dimension shall be 1'-0" and the "b" dimension shall be 2'-0".
- Side forms shall be used where edge of pavement is adjacent to asphalt concrete.
- For detail, see Transverse Construction Joint for existing concrete pavement detail on Revised Standard Plan P10.
- Transverse joint to match skew of existing joint. Omit dowel bars.

LEGEND:



SLAB LAYOUT



JOINTED PLAIN CONCRETE PAVEMENT - INDIVIDUAL SLAB REPLACEMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

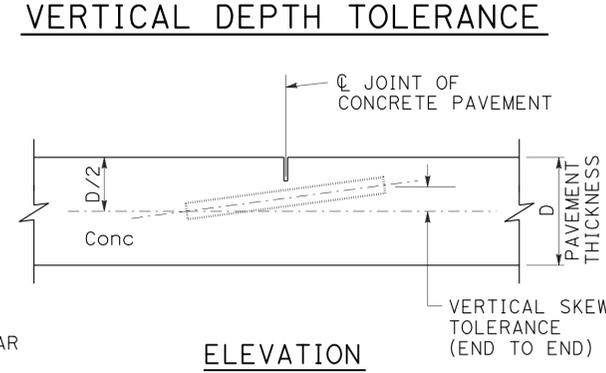
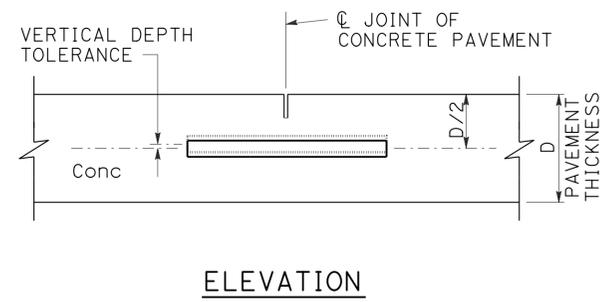
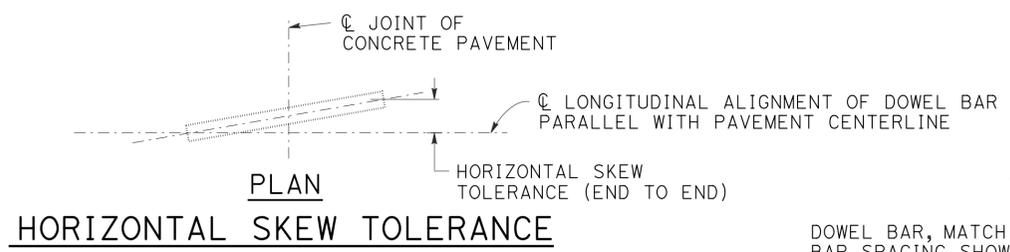
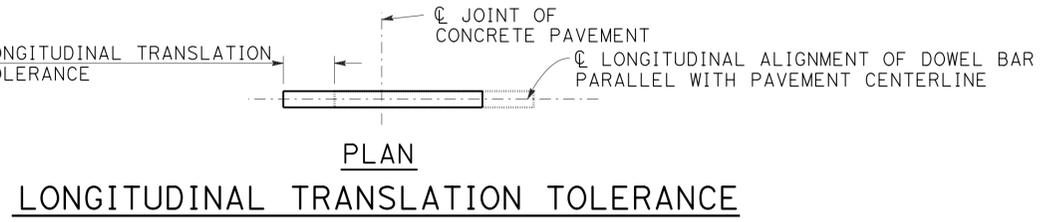
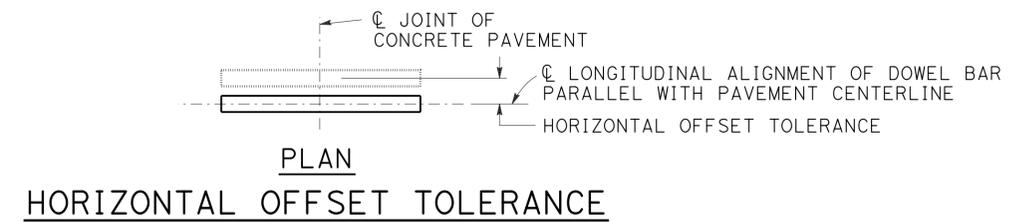
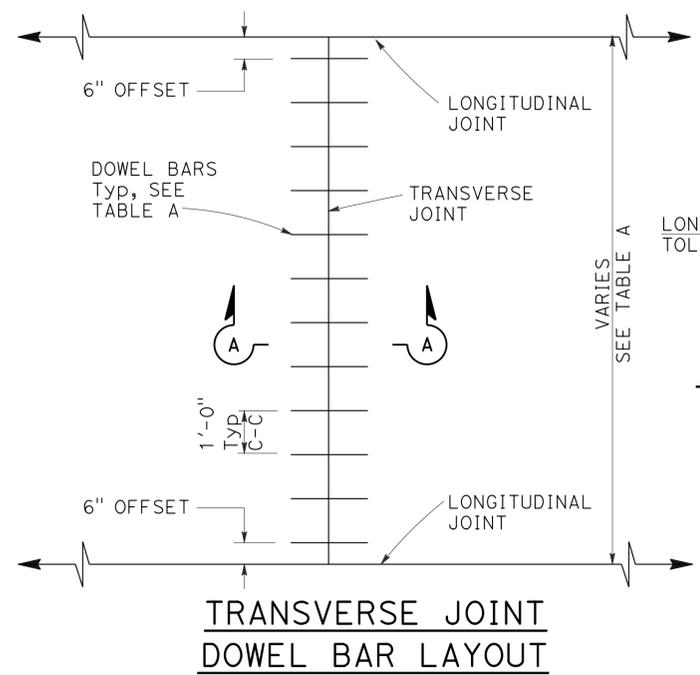
NO SCALE

RSP P8 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P8 DATED MAY 20, 2011 - PAGE 130 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P8

2010 REVISED STANDARD PLAN RSP P8

2010 REVISED STANDARD PLAN RSP P10



TO ACCOMPANY PLANS DATED 4-22-13

- NOTES:**
- See Standard Plan P1 for typical dowel bar placement and locations.
 - 1/2" Dia dowel bars are to be used with a pavement thickness, D, equal to or greater than 0.70 feet. For pavement thickness, D, less than 0.70 feet, use 1/4" Dia dowel bars.
 - For widths not shown, see Project Plans.
 - If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the 1/4" radius, as shown.
 - May also use 3/4" Dia dowel bars 2'-4" ± 1/4" in length. Center the length of dowel bars at the centerline of longitudinal joint.

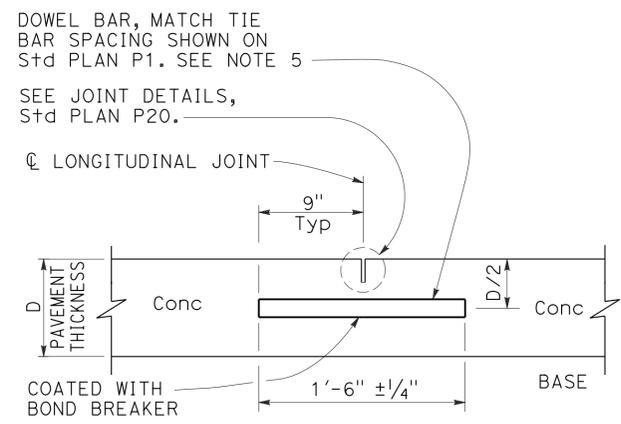
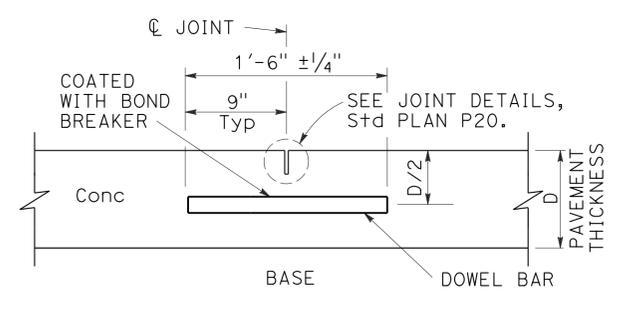
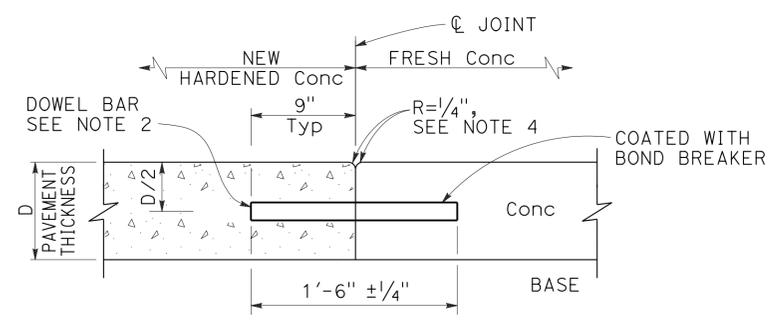


TABLE A (See Note 3)

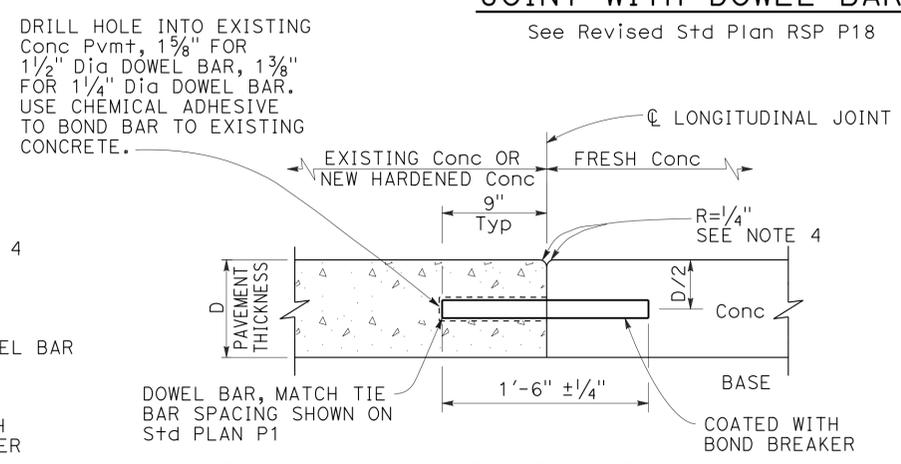
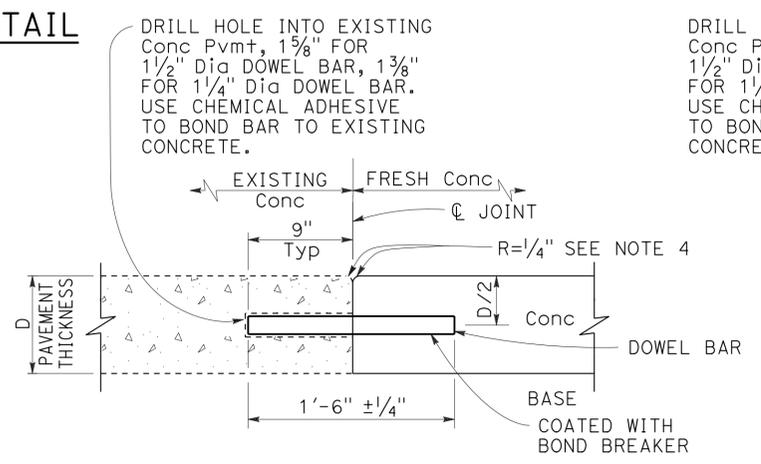
DOWEL BAR TRANSVERSE SPACING TABLE

WIDTH BETWEEN LONGITUDINAL JOINTS	NUMBER OF DOWELS BETWEEN LONGITUDINAL JOINTS
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4

SECTION A-A
TRANSVERSE
CONSTRUCTION JOINT DETAIL

TRANSVERSE CONTRACTION JOINT

LONGITUDINAL CONTRACTION
JOINT WITH DOWEL BARS



TRANSVERSE CONSTRUCTION JOINT
FOR EXISTING CONCRETE PAVEMENT

LONGITUDINAL CONSTRUCTION JOINT
WITH DOWEL BARS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**CONCRETE PAVEMENT-
DOWEL BAR
DETAILS**

NO SCALE

RSP P10 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P10
DATED MAY 20, 2011 - PAGE 131 OF THE STANDARD PLANS BOOK DATED 2010.

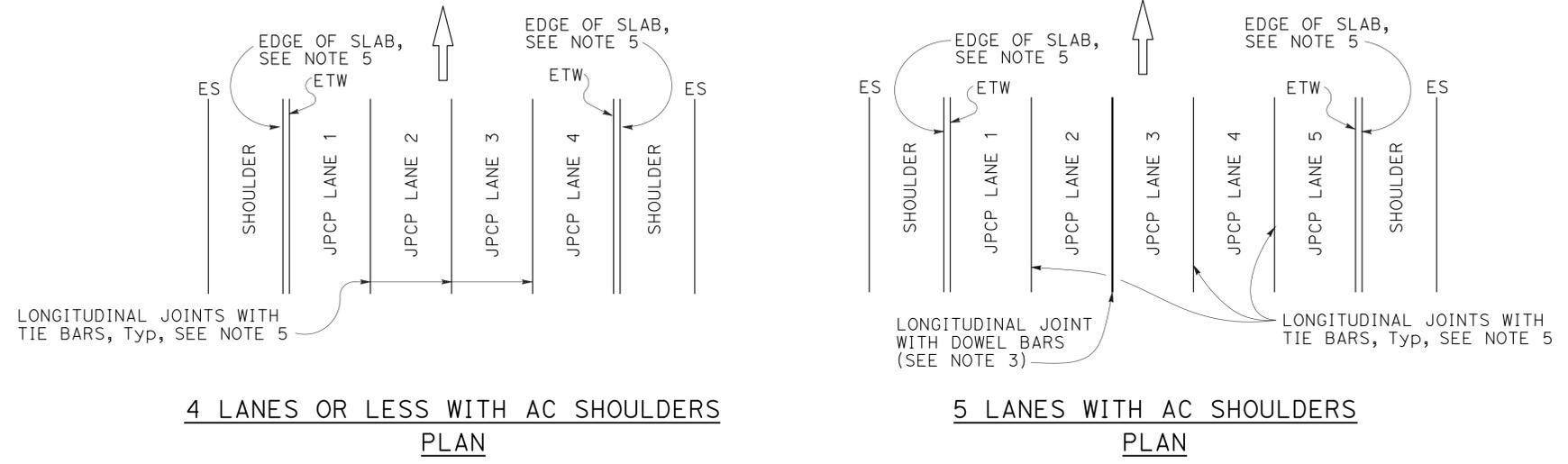
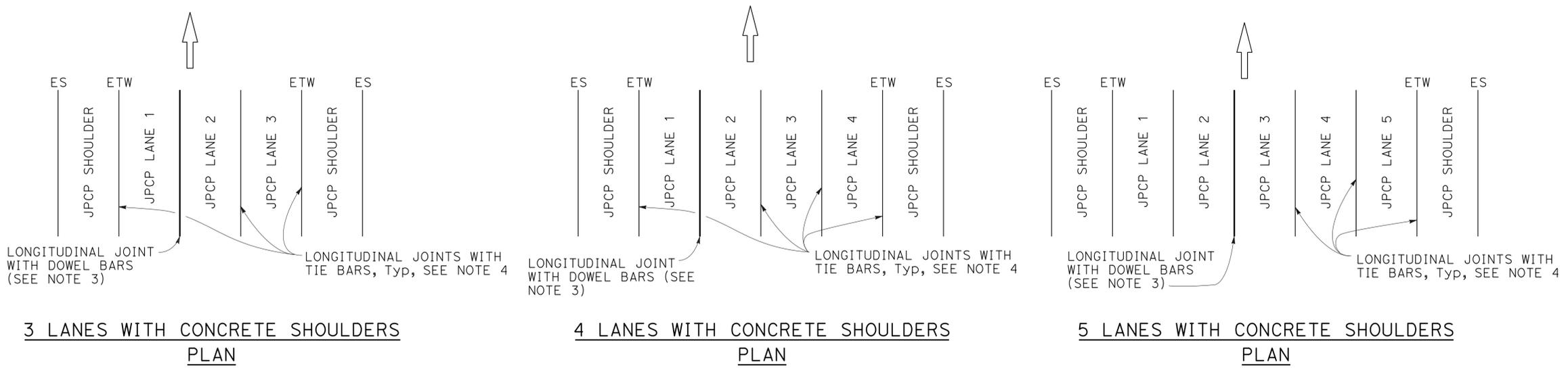
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	328	349

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE

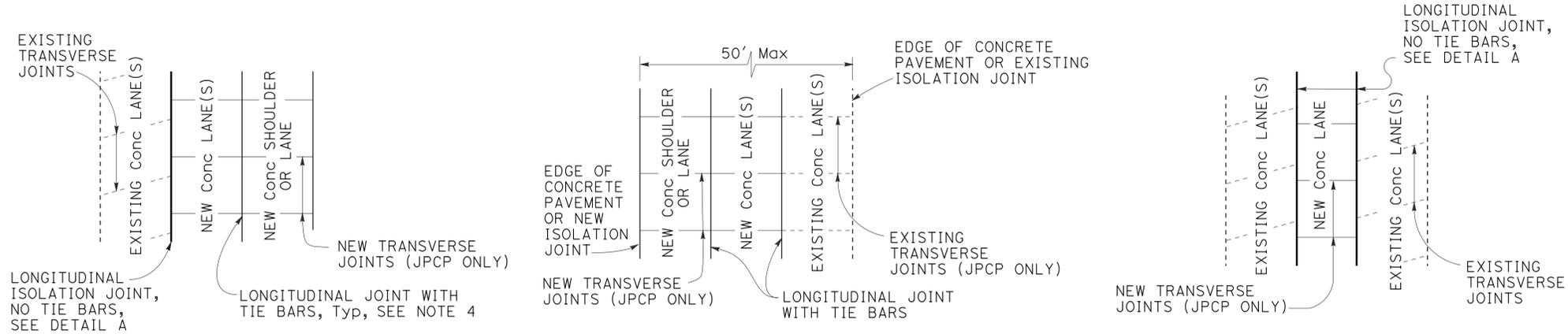
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 William K. Farnbach
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TO ACCOMPANY PLANS DATED 4-22-13



NEW CONSTRUCTION
Location of Longitudinal Joints For JPCP

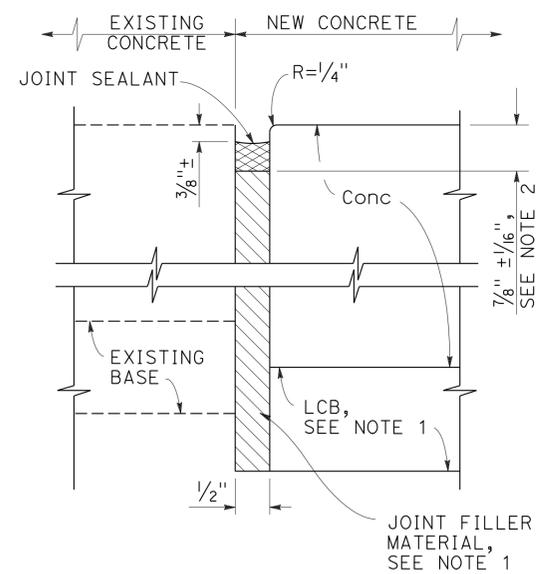


Transverse Joints do not align between new and existing.
 Transverse Joints align between new and existing.
 Transverse Joints do not align between new and existing.

LANE/SHOULDER ADDITION OR RECONSTRUCTION
For JPCP and CRCP

NOTES:

- Where Lean Concrete Base is not used as base material, the joint filler material used for the longitudinal isolation joint shall only extend to the bottom of the new concrete slab. See Detail A.
- Use $\frac{5}{8}'' \pm \frac{1}{16}''$ dimension for silicone sealant.
- See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
- See Standard Plan P1.
- See Standard Plan P2.



DETAIL "A"
ISOLATION JOINT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-LANE SCHEMATICS AND ISOLATION JOINT DETAIL

NO SCALE

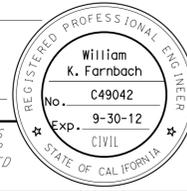
RSP P18 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P18 DATED MAY 20, 2011 - PAGE 135 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P18

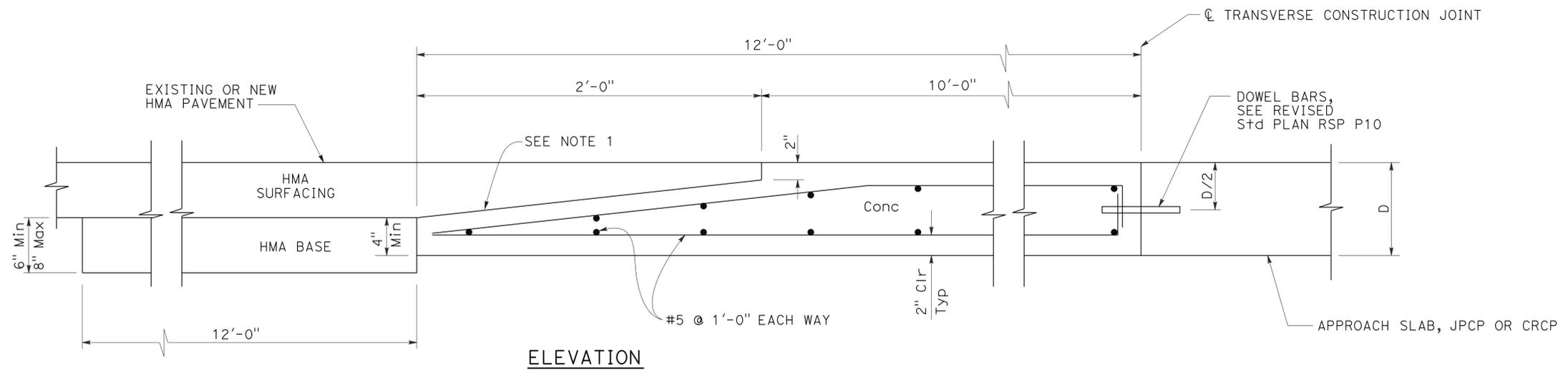
2010 REVISED STANDARD PLAN RSP P18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	329	349

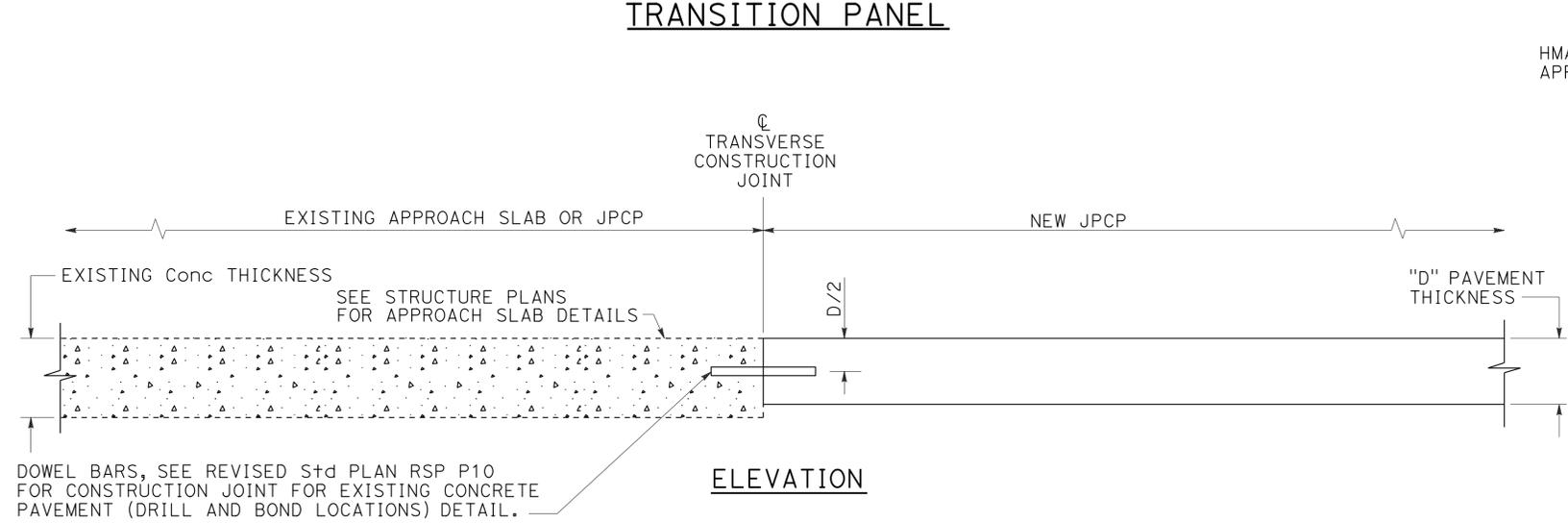
William K. Farnbach
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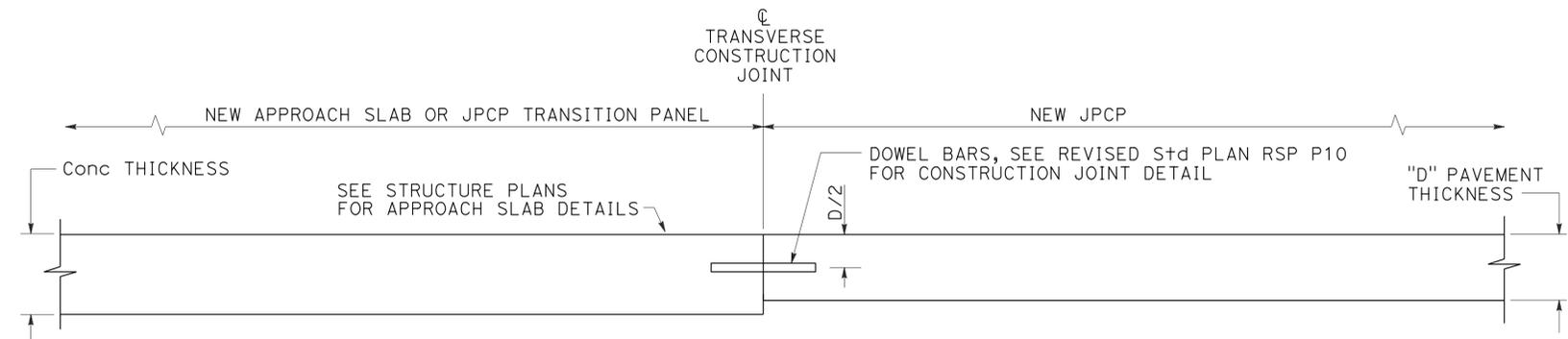
TO ACCOMPANY PLANS DATED 4-22-13



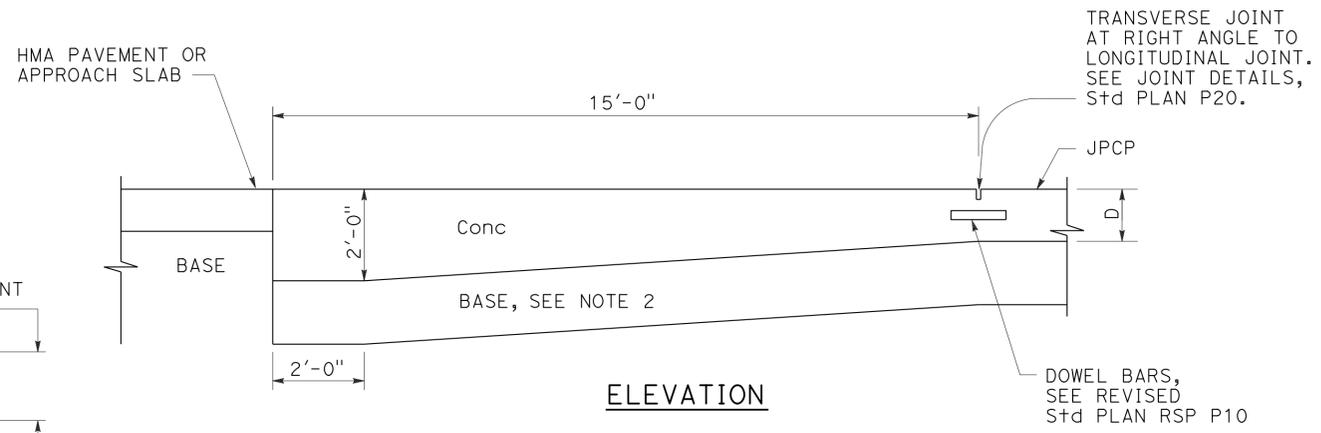
ELEVATION
CONCRETE PAVEMENT
TRANSITION PANEL



ELEVATION
TERMINAL JOINT TYPE 1
For Exist JPCP or Structure Approach Slab



ELEVATION
TERMINAL JOINT TYPE 2
For JPCP Transition Panel or Structure Approach Slab



ELEVATION
PAVEMENT END ANCHOR
For HMA Pvmf or Structure Approach Slab

- NOTES:**
1. Heavy broom finish.
 2. Maintain same base thickness as JPCP.

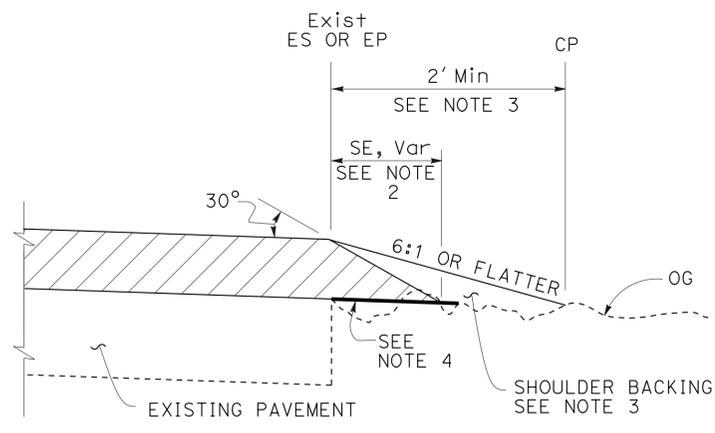
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**CONCRETE PAVEMENT-
END PANEL
PAVEMENT TRANSITIONS**

NO SCALE

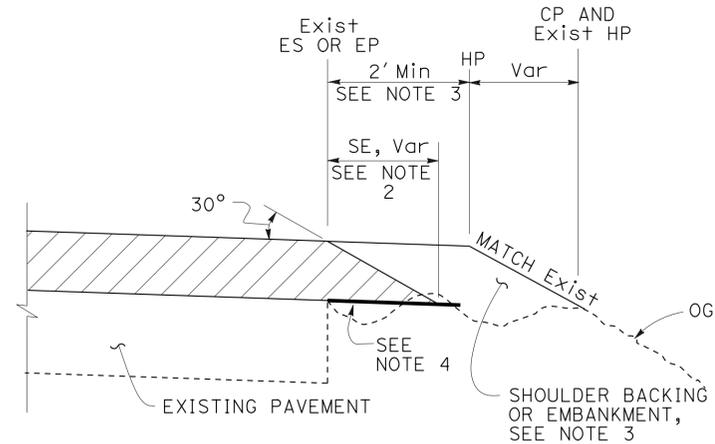
RSP P30 DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P30
DATED MAY 20, 2011 - PAGE 137 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P30

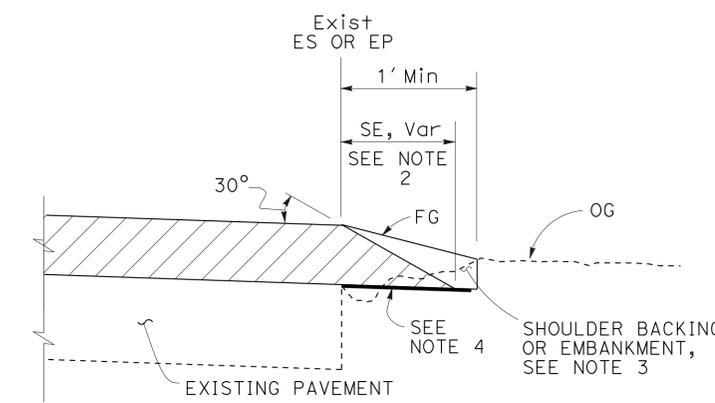
2010 REVISED STANDARD PLAN RSP P30



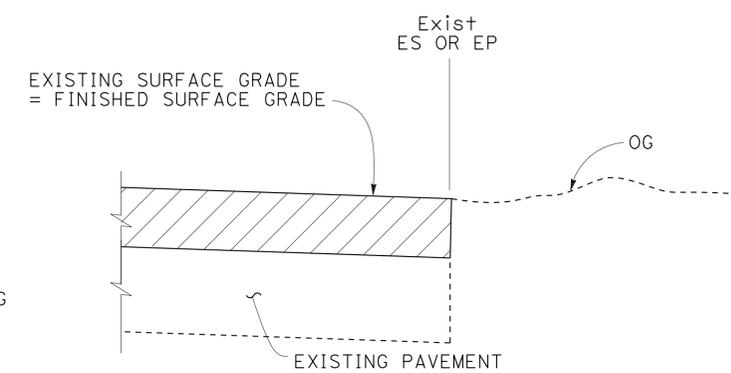
CASE A
Safety Edge



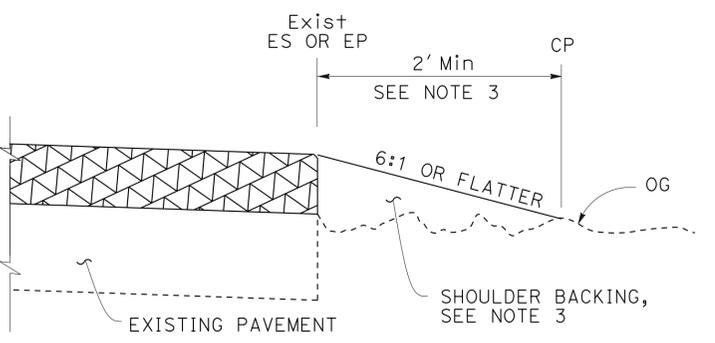
CASE B
Safety Edge



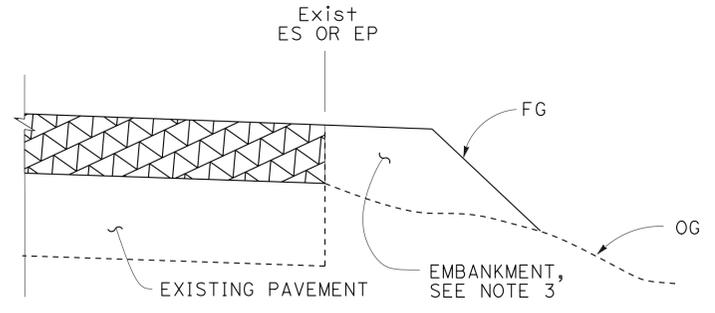
CASE C
Safety Edge



CASE D
Vertical Edge

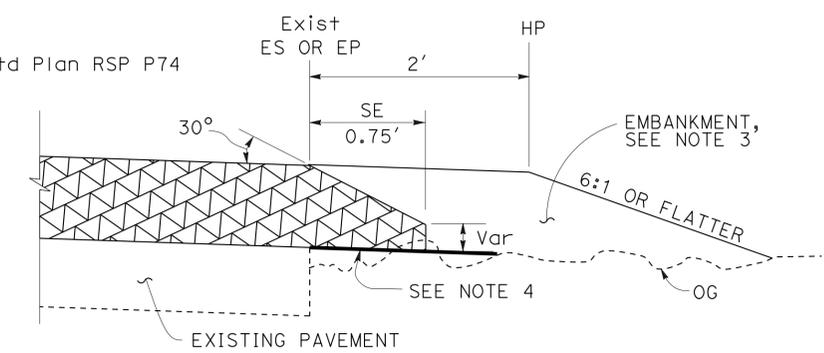


CASE E
Vertical Edge



CASE F
Vertical Edge
* See Table A and Revised Std Plan RSP P74

- NOTES:**
- For limits of safety edge and vertical edge treatments, see Revised Standard Plan RSP P74.
 - Details shown for HMA overlay thickness less than 0.43'. See Detail "A" for HMA overlay thickness more than 0.43' or concrete overlay.
 - For locations and limits of shoulder backing or embankment see project plans.
 - Grade existing ground to place safety edge. 1' minimum width
 - Safety edge transverse joint must match overlay transverse joint. End of #6 longitudinal bar must be 2" ± 1/2" clear from transverse joint.
 - Safety edge is not needed in the area of MBGR, barrier, right turn lane and acceleration lane. See Revised Standard Plan RSP P74.



DETAIL "A"

For HMA overlay thickness more than 0.43' or concrete overlay

LEGEND:

- HMA OVERLAY
- HMA OR CONCRETE OVERLAY
- CONCRETE OVERLAY

ABBREVIATIONS:

- SE SAFETY EDGE
- TT TOTAL THICKNESS OF SE

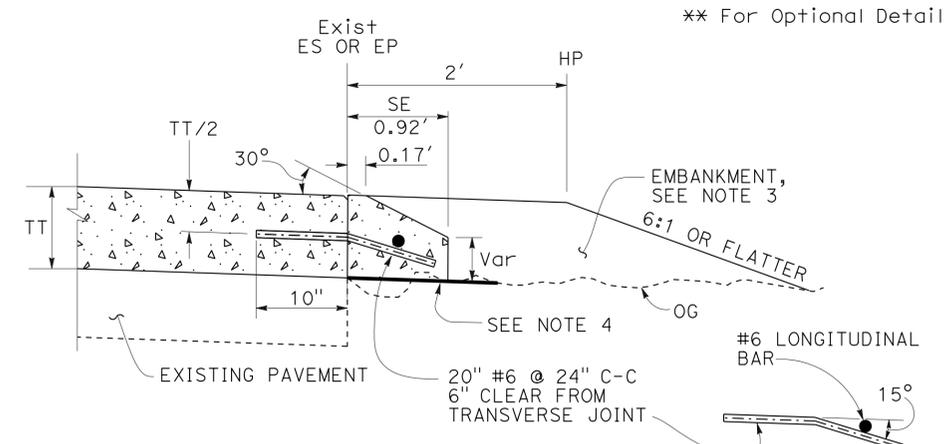
TABLE A
EDGE TREATMENT FOR VARIOUS OVERLAY THICKNESS AND CONDITIONS

FIELD CONDITION	OVERLAY THICKNESS	
	LESS THAN 0.15'	0.15' OR MORE
Exist SLOPE 6:1 OR FLATTER	CASE E	CASE A
Exist SLOPE 3:1 TO 6:1	CASE E	CASE B
Exist SLOPE STEEPER THAN 3:1	CASE F	CASE F
CUT SECTION (REPLACE, COLD PLANE, MILL PAVEMENT)	CASE D	CASE C

ADDITIONAL HMA OR CONCRETE QUANTITIES FOR SE/SIDE/MILE

TYPICAL CROSS SECTION	TT	TOTAL ADDITIONAL MATERIAL FOR SE/SIDE/MILE		
		HMA (TON)	CONCRETE (CY)*	CONCRETE (CY)**
	0.15'	NA	NA	NA
	0.20'	13.7	NA	NA
	0.30'	30.9	NA	NA
	0.40'	54.9	NA	NA
	0.45'	69.4	NA	NA
	0.50'	84.2	NA	NA
	0.60'	113.9	NA	NA
	0.70'	143.6	70.9	94.2
	0.80'	173.3	85.6	112.2
	0.90'	203.0	100.3	130.2
	1.00'	232.7	114.9	148.2
	1.10'	262.4	129.6	166.2
1.20'	292.1	144.3	184.2	

* For Detail "A"
 ** For Optional Detail "A"



OPTIONAL DETAIL "A"
For concrete overlay See Note 5

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT EDGE TREATMENTS- OVERLAYS
 NO SCALE

RSP P75 DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP P75

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	331	349

 REGISTERED CIVIL ENGINEER		
January 20, 2012 PLANS APPROVAL DATE		
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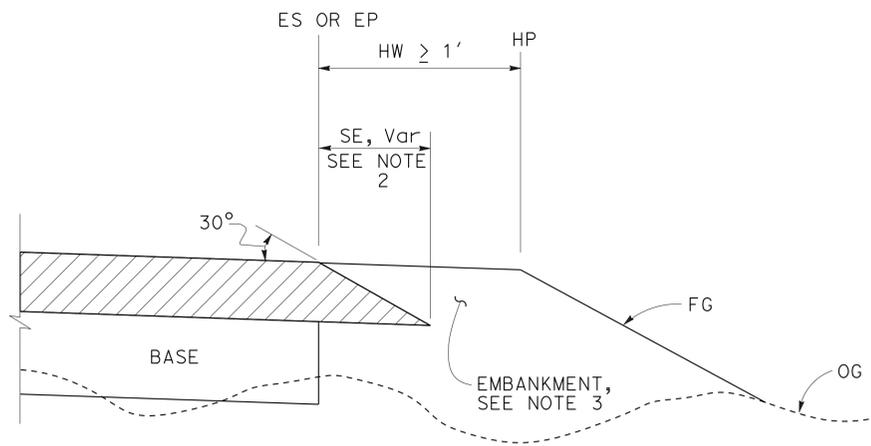
LEGEND:

-  HMA PAVEMENT
-  HMA OR CONCRETE PAVEMENT
-  CONCRETE PAVEMENT

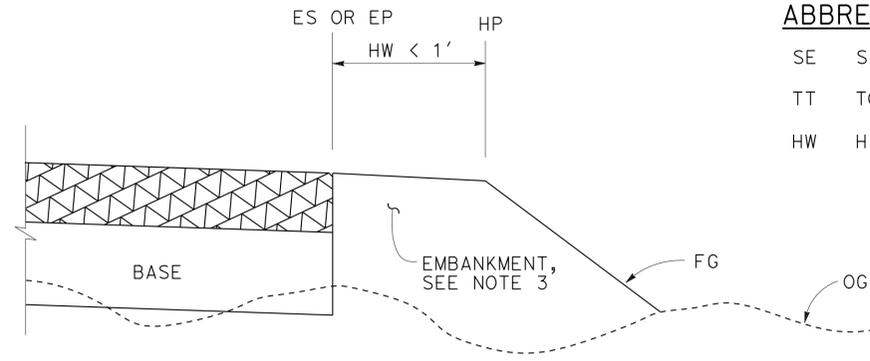
ABBREVIATIONS:

- SE SAFETY EDGE
- TT TOTAL THICKNESS OF SE
- HW HINGE WIDTH, DISTANCE FROM ES OR EP TO HP

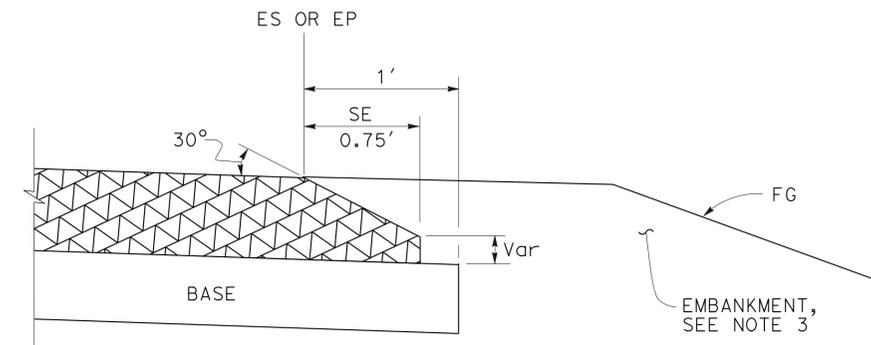
TO ACCOMPANY PLANS DATED 4-22-13



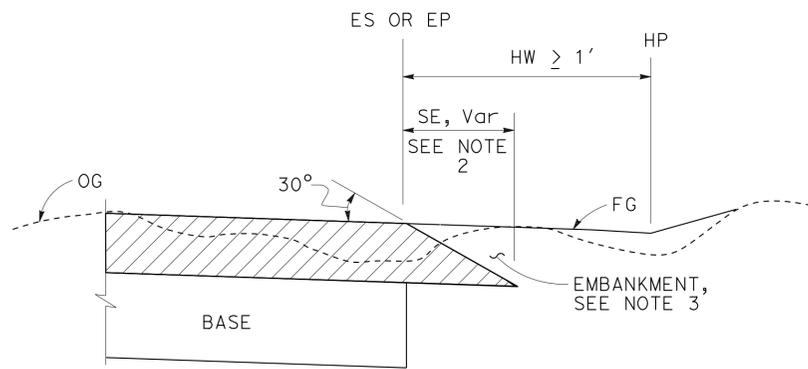
CASE K
Safety Edge - Fill Section, HW $\geq 1'$



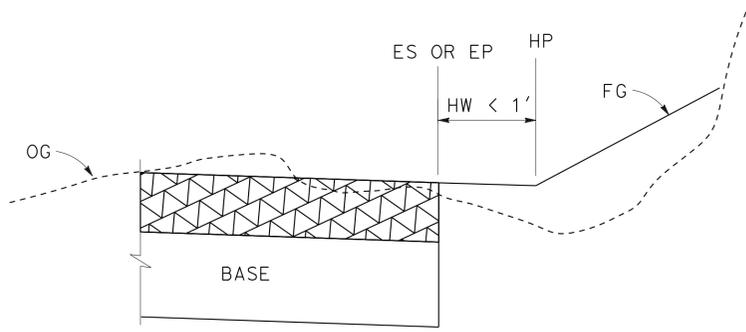
CASE L
Vertical Edge - Fill Section, HW $< 1'$



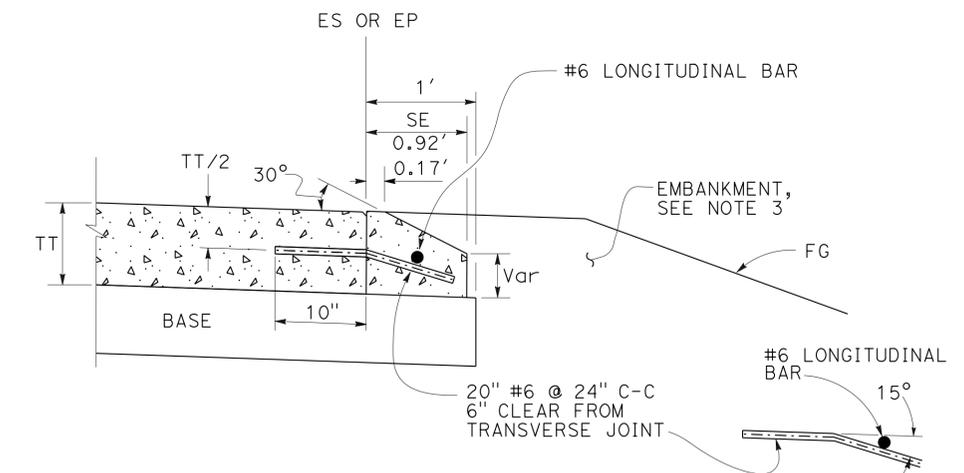
DETAIL "B"
For HMA pavement thickness more than 0.43' or concrete pavement



CASE M
Safety Edge - Cut Section, HW $\geq 1'$



CASE N
Vertical Edge - Cut Section, HW $< 1'$



OPTIONAL DETAIL "B"
For concrete pavement
See Note 4

NOTES:

- For limits of safety edge and vertical edge treatments, see Revised Standard Plan RSP P74
- Details shown for HMA pavement thickness less than 0.43'. See Detail "B" for HMA pavement thickness more than 0.43' or concrete pavement.
- For locations and limits of embankment see project plans.
- Safety edge transverse joint must match pavement transverse joint. End of #6 longitudinal bar must be 2" $\pm 1/2$ " clear from transverse joint.
- Safety edge is not needed in the area of MBGR, barrier, right turn lane and acceleration lane. See Revised Standard Plan RSP P74.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT EDGE TREATMENTS-
NEW CONSTRUCTION**
NO SCALE

RSP P76 DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP P76

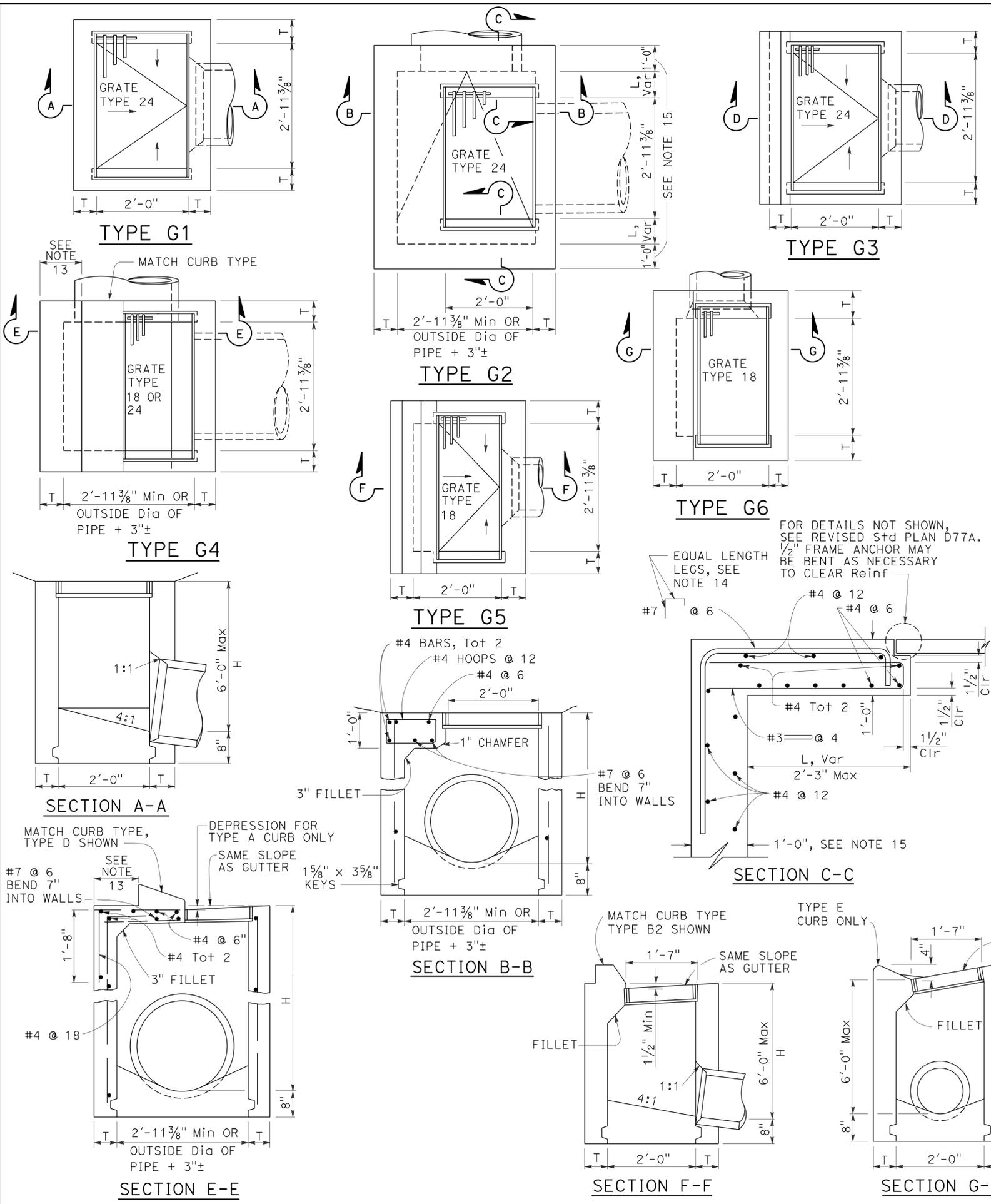
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	332	349

Glenn DeCou
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

Glenn DeCou
No. C34547
Exp. 9-30-13
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.



NOTES:

- "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
- For "T" wall thickness, see Table A below.
- Wall reinforcing not required when "H" is 8'-0" or less and the unsupported width or length is 7'-0" or less. Walls exceeding these limits shall be reinforced with #4 bars @ 1'-6" ± centers placed 1 1/2" clear to inside of box unless otherwise shown.
- Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom and alternative half round bottom.
- Steps-None required where "H" is less than 2'-6". Where "H" is 2'-6" or more, install steps with lowest rung 1'-0" above the floor and highest rung not more than 6" below top of inlet. The distance between steps shall not exceed 1'-0" and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Steps inserts may be substituted for the bar steps. Step inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
- Details shown apply to both metal and concrete pipe.
- Pipe(s) can be placed in any wall.
- Curb section shall match adjacent curb.
- Basin floors shall have wood trowel finish and a minimum slope of 12:3 from all directions toward outlet pipe.
- Set inlet so that grate bars are parallel to direction of principal surface flow.
- See Revised Standard Plans D77A and D77B for grate and frame details and weights of miscellaneous iron and steel.
- See Standard Plan D78A for gutter depression details.
- This dimension will vary with different grates, curbs types, box width and wall thickness.
- Bar may be rotated as necessary to clear opening. Where "L" is 6" or less, bar may be omitted.
- Where "L" is 6" or less, wall thickness shall be as shown in Table A.
- Cast-in-place inlets to be formed around all pipes/stubs intersecting the inlet, and concrete poured in one continuous operation. Precast inlets shall have mortared connections conforming to details for Type GCP Inlet shown on Standard Plan D75B. See Standard Specifications for mortar composition.

TABLE A

TYPE	CONCRETE QUANTITIES			
	H=3'-0" TO 8'-0" (T=6")	H=8'-1" TO 20'-0" (T=8")	H=8'-1" (CY)	ADDITIONAL PCC PER FOOT (CY)
G-1	0.95	0.220	See Note A	SEE NOTE A
G-2*	1.31	0.255	3.50	0.357
G-3	1.03	0.220	See Note A	SEE NOTE A
G-4* (TYPE 24)	1.27	0.255	3.48	0.357
G-4* (TYPE 18)	1.30	0.255	3.50	0.357
G-5	1.02	0.220	SEE NOTE A	SEE NOTE A
G-6	1.04	0.220	SEE NOTE A	SEE NOTE A

TABLE BASED ON 8" FLOOR SLAB. NO DEDUCTIONS ARE TO BE MADE TO THESE QUANTITIES BECAUSE OF PIPE OPENINGS, DIFFERENT FLOOR ALTERNATIVES OR DIFFERENT CURB TYPES. * QUANTITIES FOR TYPE G-2 AND G-4 INLETS BASED ON THE MINIMUM INTERIOR DIMENSIONS.

NOTE A:

Maximum allowable height 6'-0".

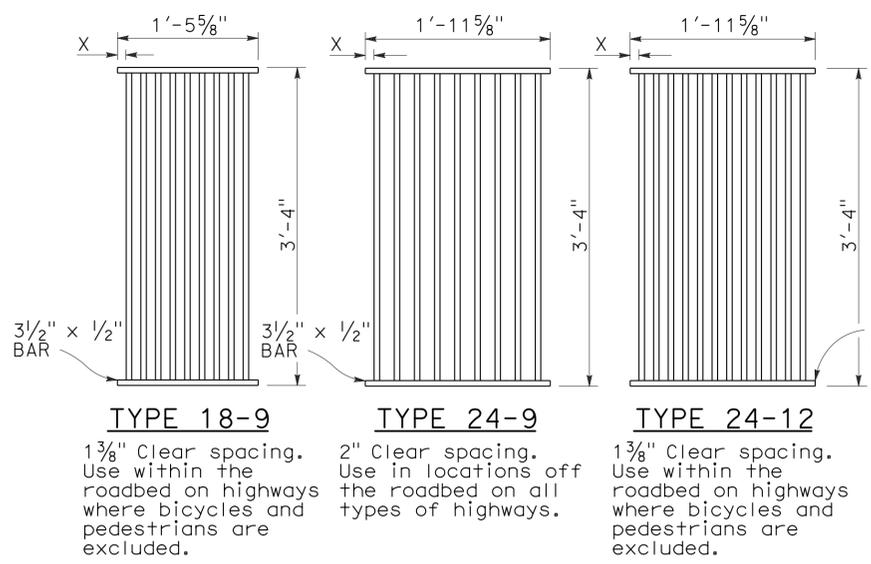
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLETS
NO SCALE

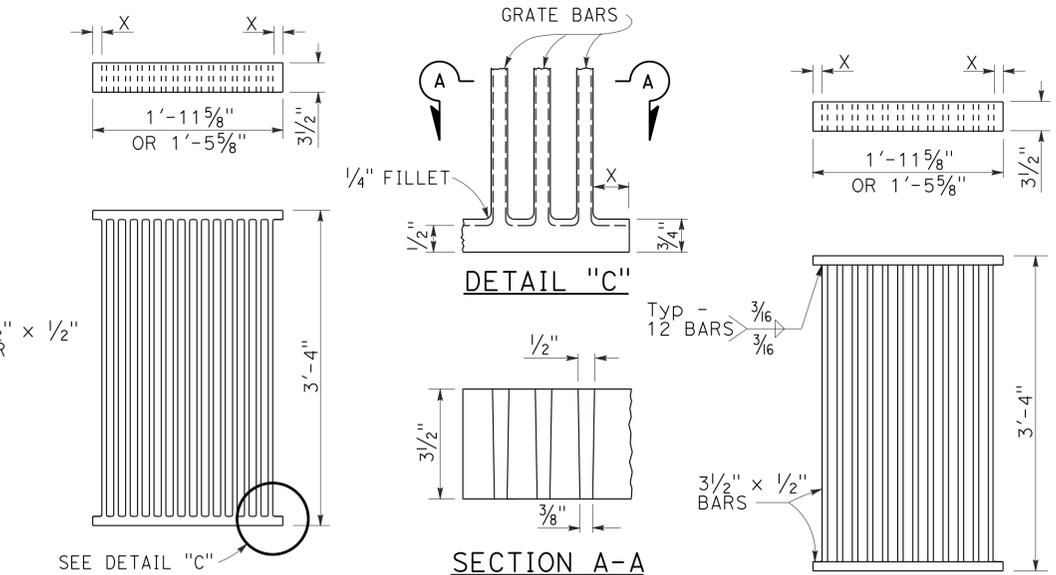
RSP D73 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN D73 DATED MAY 20, 2011 - PAGE 156 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D73

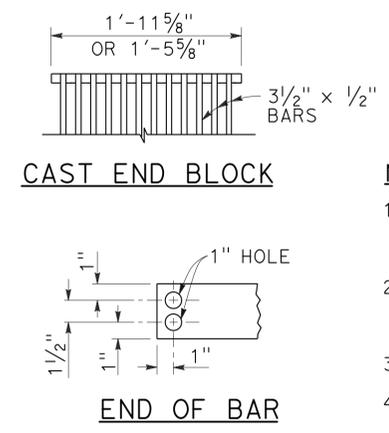
2010 REVISED STANDARD PLAN RSP D73



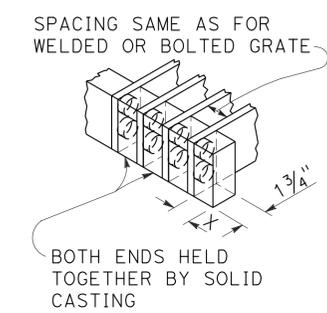
RECTANGULAR GRATE DETAILS
(See table below)



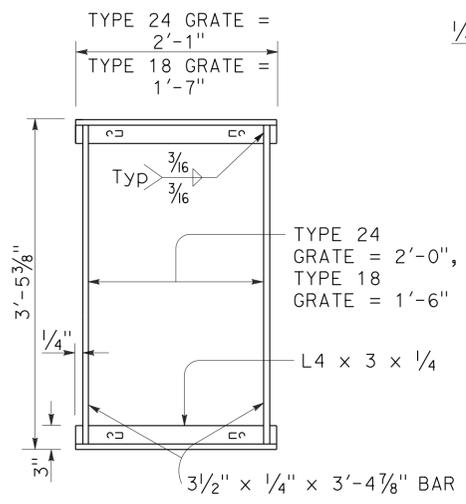
ALTERNATIVE CAST DUCTILE IRON GRATE OR CAST CARBON STEEL GRATE



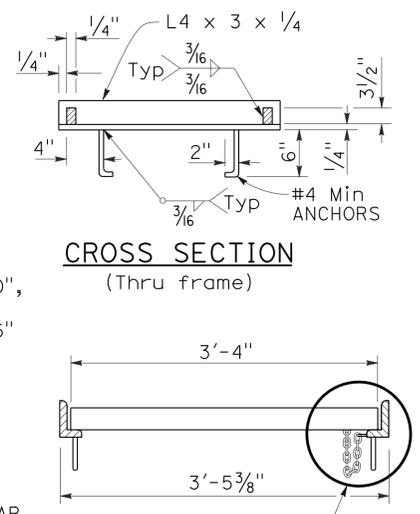
ALTERNATIVE WELDED GRATE



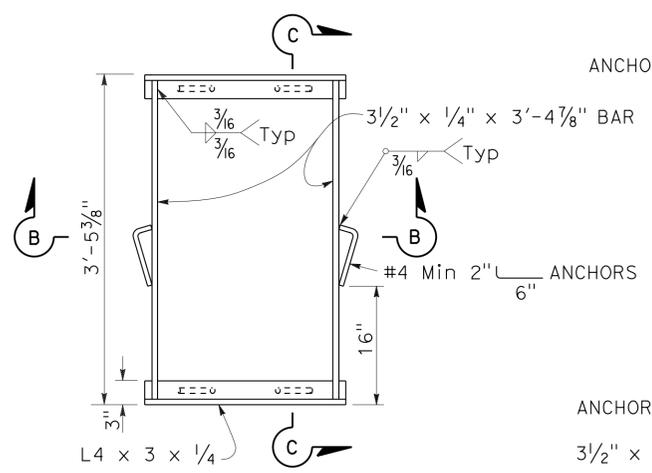
ALTERNATIVE CAST DUCTILE IRON OR CAST CARBON STEEL END BLOCK GRATE



TYPICAL FRAME

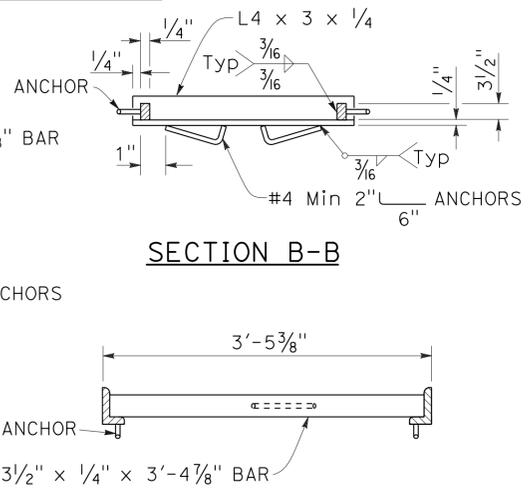


LONGITUDINAL SECTION
(Thru frame and grate)

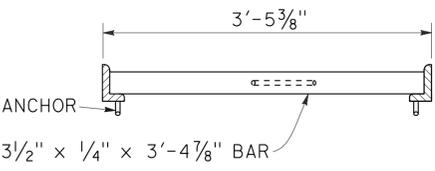


TYPICAL FRAME

ALTERNATIVE ANCHOR FOR RECTANGULAR FRAME
(For details not shown, See Rectangular Frame Details)



SECTION B-B



SECTION C-C

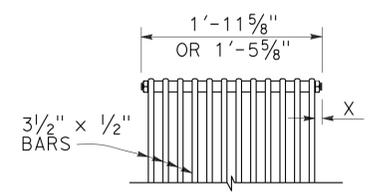
RECTANGULAR FRAME DETAILS
(For all rectangular grates)

GRATE BAR SPACING TABLE

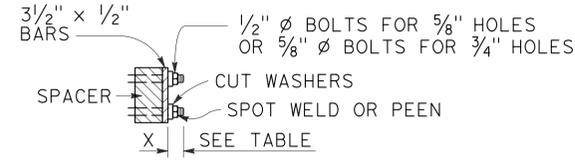
TYPE	NO. OF BARS	CLEAR BAR SPACING	X
18-9	9	1 3/8"	1 1/16"
24-9	9	2"	1 9/16"
24-12	12	1 3/8"	1 1/4"

INLET TYPE	COVER TYPE	WEIGHT LB
OS	PLATE	174
OL-7	PLATE	170
OL-10	PLATE	170
OL-14	PLATE	170
OL-21	PLATE	170
OCPI	PLATE	112
OCPI	PLATE	112
OCPI	REDWOOD	42
OMP	PLATE	177
OMPI	PLATE	177

INLET TYPE	GRATE TYPE	NO. OF GRATES	WEIGHT LB
GDO	24-12	2	634
GOL-7	24-12	1	326
GOL-10	24-12	1	326
G0,G1,G2,G3,G4 (TYPE 24)	24-9	1	263
	24-12	1	326
G4 (TYPE 18),G5,G6	18-9	1	249
GT1	18-9	2	498
GT2	18-9	2	498
GT3	24-12	2	652
GT4	24-12	2	652
TRASH RACK			22
GRATE CHAIN			3

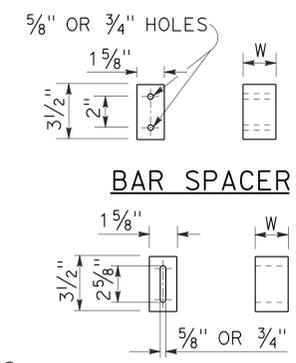


BOLTED END BLOCK



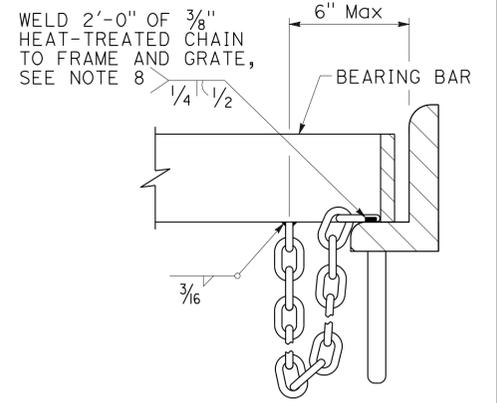
BOLTING DETAIL

ALTERNATIVE BOLTED GRATE



BAR SPACER

ALTERNATIVE SPACER
W = 1 3/8" or 2"



DETAIL "D"
(Steel grates only)

NOTES:

- Grate type numbers refer to approximate width of grate in inches and number of bars, respectively.
- Contractor has the option of using cast ductile iron, cast carbon steel, welded, bolted, or cast end block grate.
- Rounded top of bars optional on all grates.
- Pipe inlets with a grate shall be placed so that bars parallel direction of principle surface flow.
- Complete joint penetration butt welds may be substituted for the fillet welds on all anchors.
- Standard square, hexagon, round or equivalent headed anchors may be substituted for the right angle hooks on the anchors shown on this plan.
- Grate and frame weights are based on welded grates (weights of face angles, steps, protection bars, etc. are not included).
- Connect chain to grate and frame only at locations shown on the plans. When chain is required, do not use cast ductile iron grates.

GRATE DETAILS No. 1
NO SCALE

RSP D77A DATED APRIL 19, 2013 SUPERSEDES RSP D77A DATED JULY 20, 2012 AND STANDARD PLAN D77A DATED MAY 20, 2011 - PAGE 164 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D77A

2010 REVISED STANDARD PLAN RSP D77A

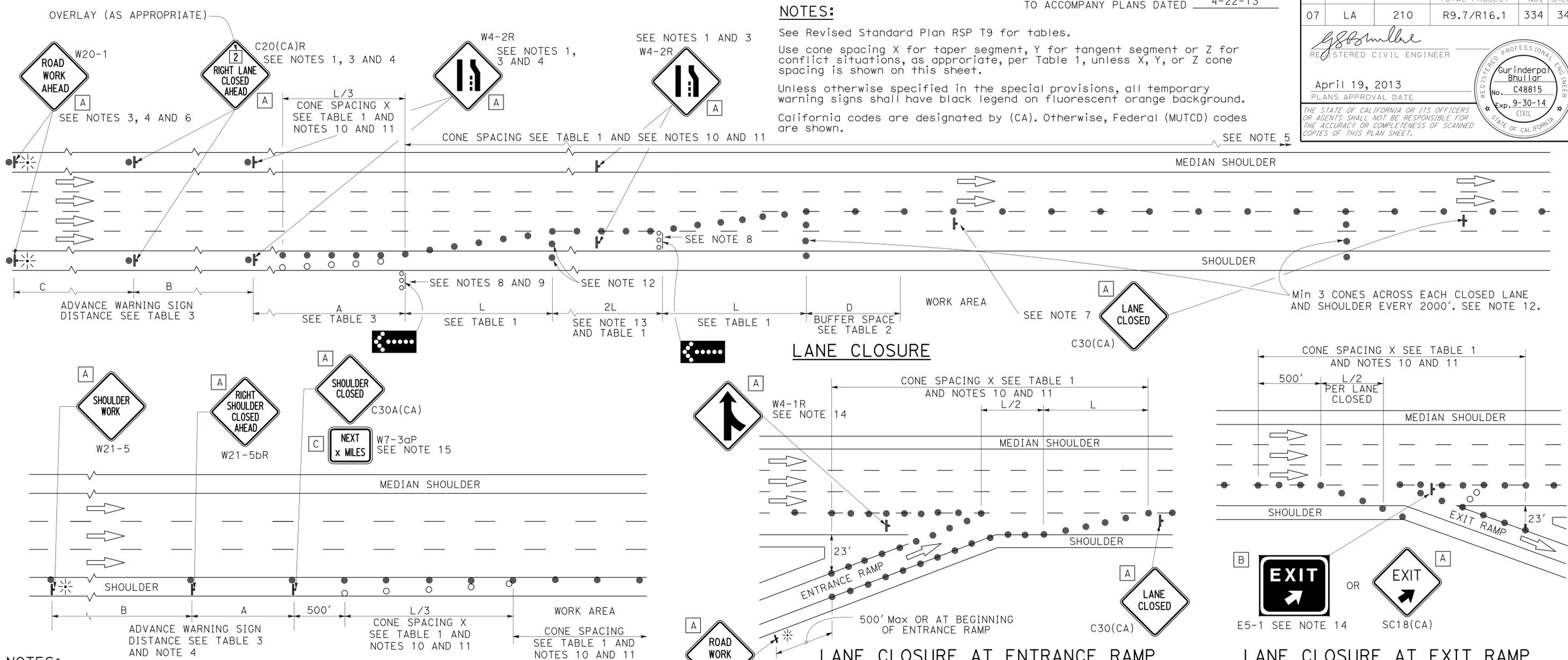
BASIS FOR Misc IRON & STEEL FINAL PAY WEIGHTS FOR DRAINAGE INLETS
(See Note 7)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	334	349

REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 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.



- 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) 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"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

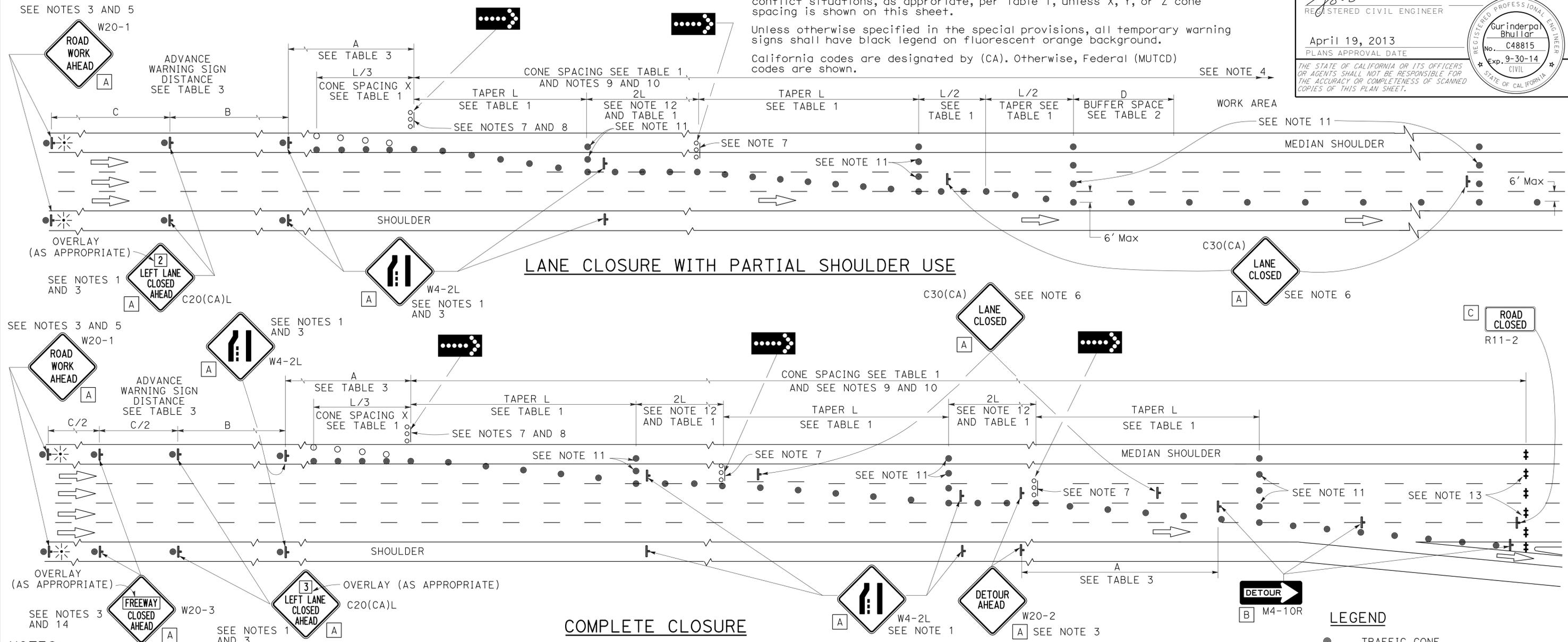
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	335	349

REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 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.

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:**
- 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

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

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

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	336	349

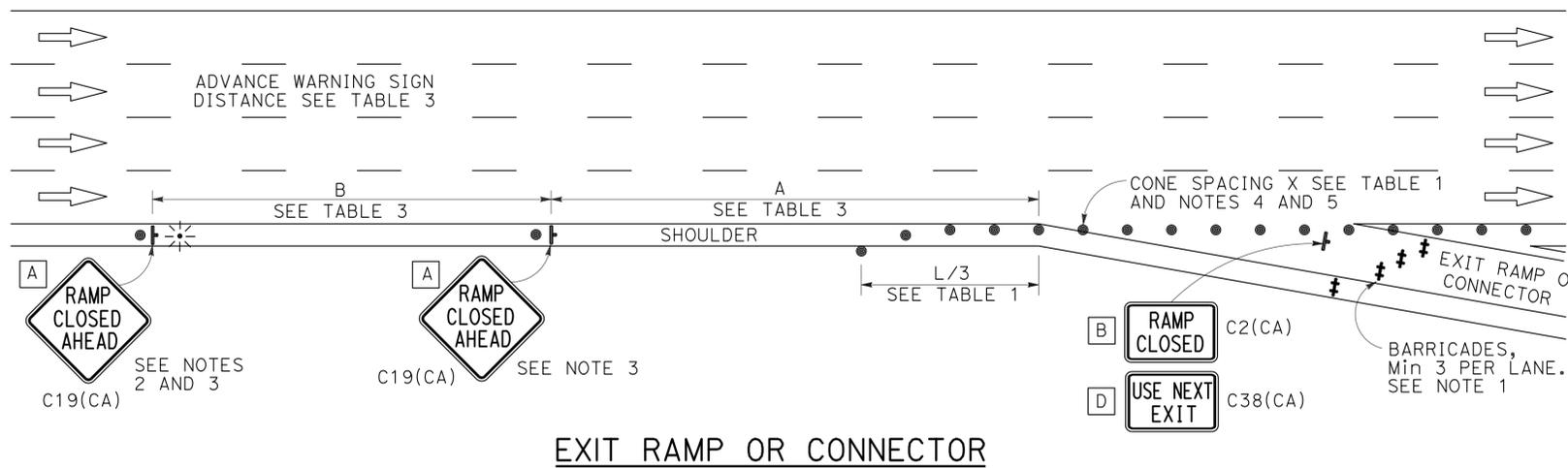
Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

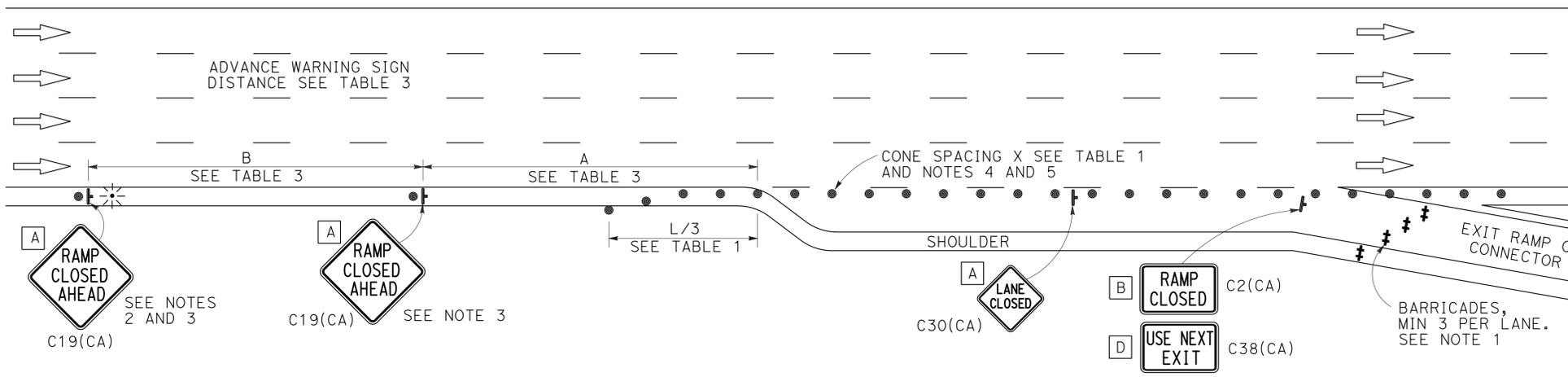
TO ACCOMPANY PLANS DATED 4-22-13

NOTES:

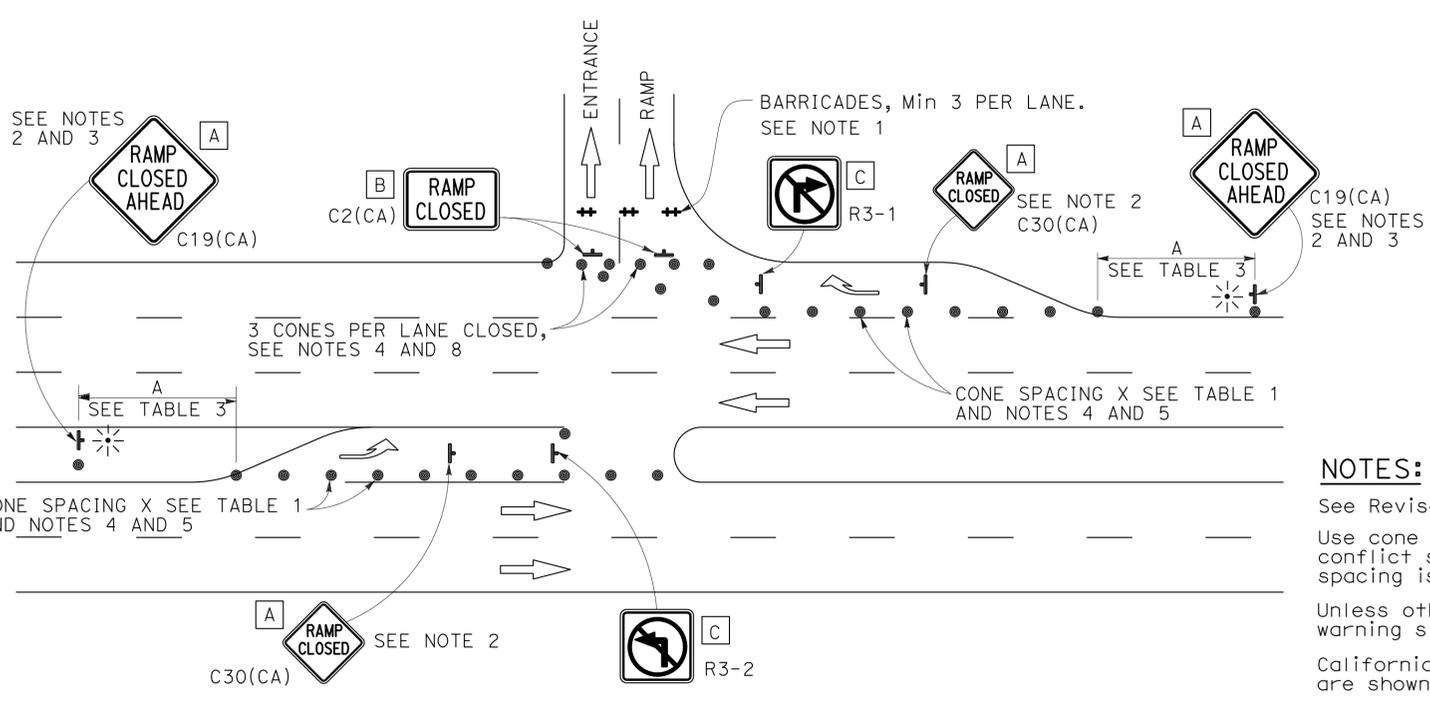
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
- Each advance C19(CA) "RAMP CLOSED AHEAD" 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. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
- All cones used for ramp 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 ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.



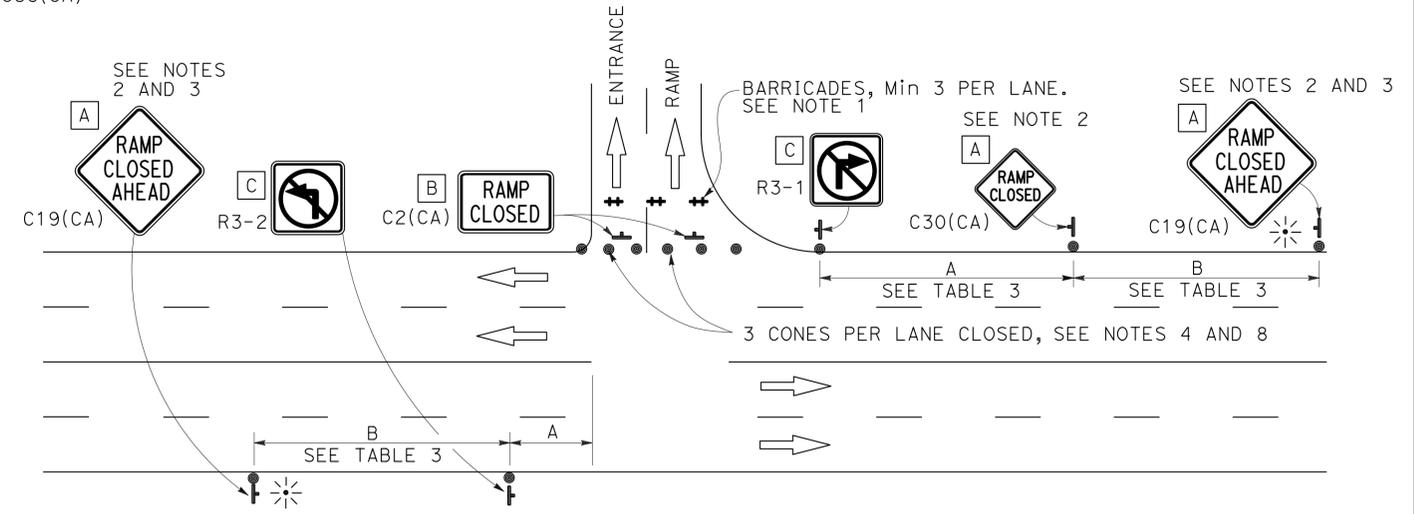
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

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.

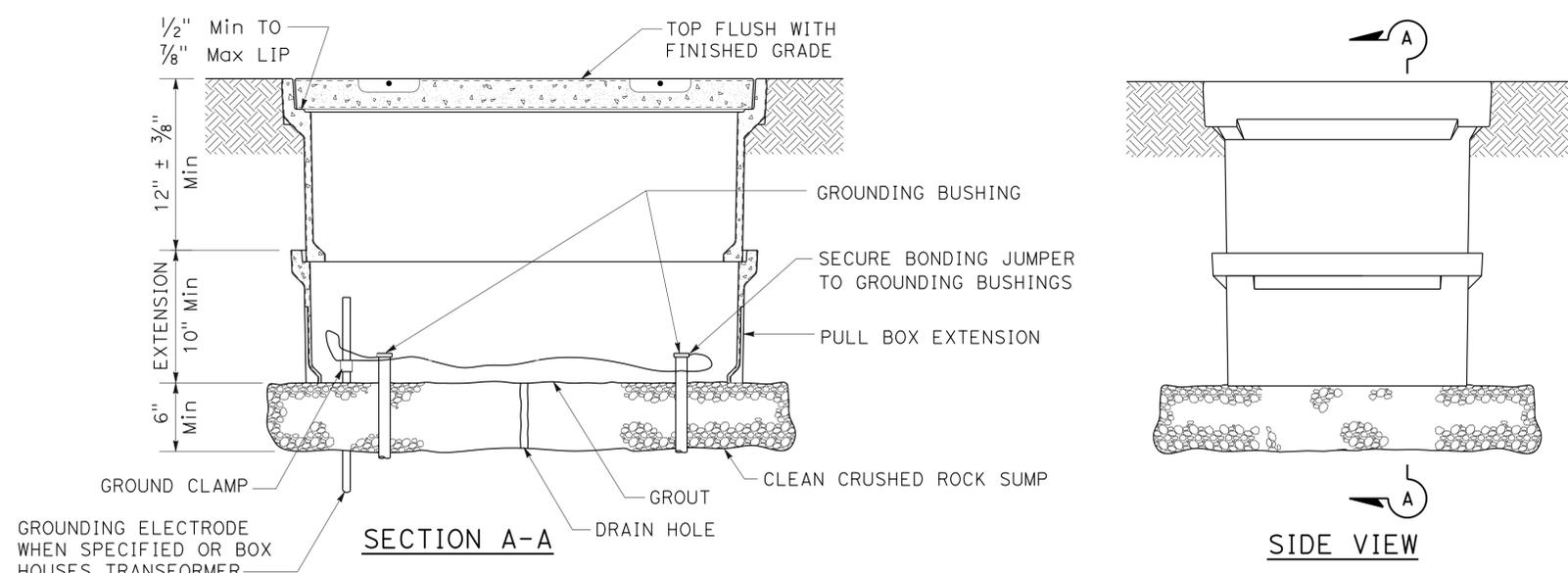
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURE**
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

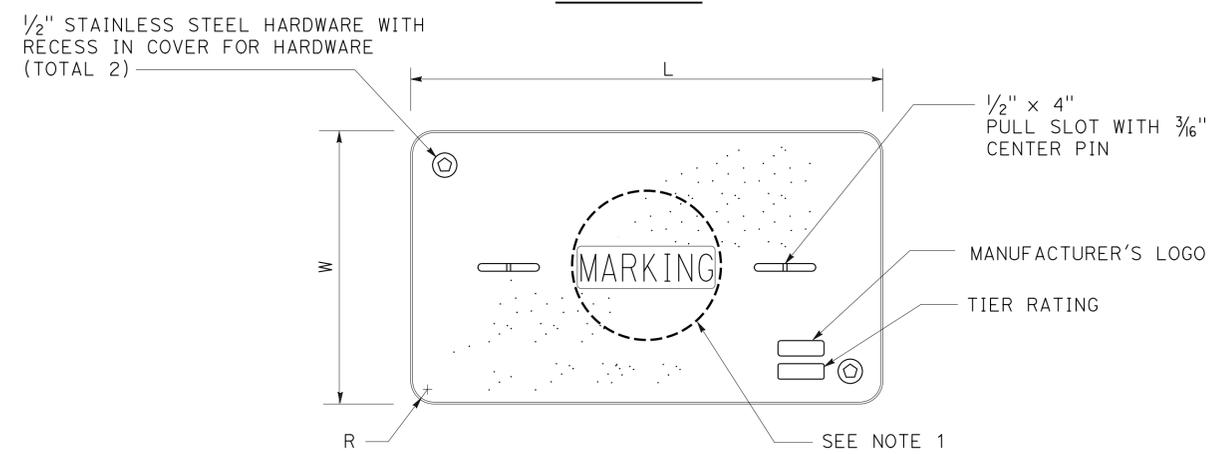
REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

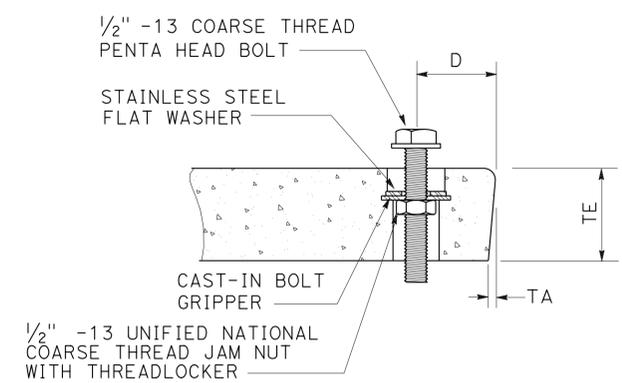
TO ACCOMPANY PLANS DATED 4-22-13



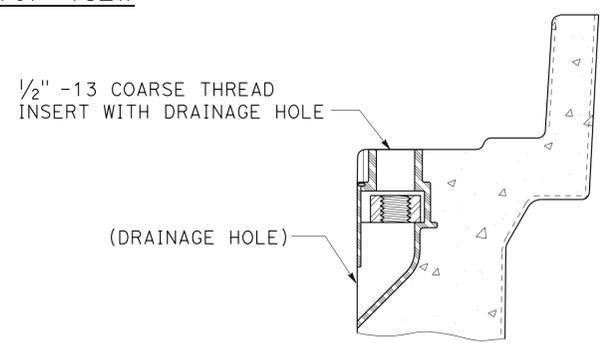
INSTALLATION DETAILS
DETAIL A



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.

DIMENSION TABLE

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

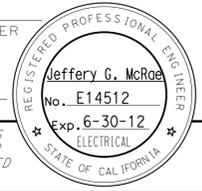
RSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP ES-8A

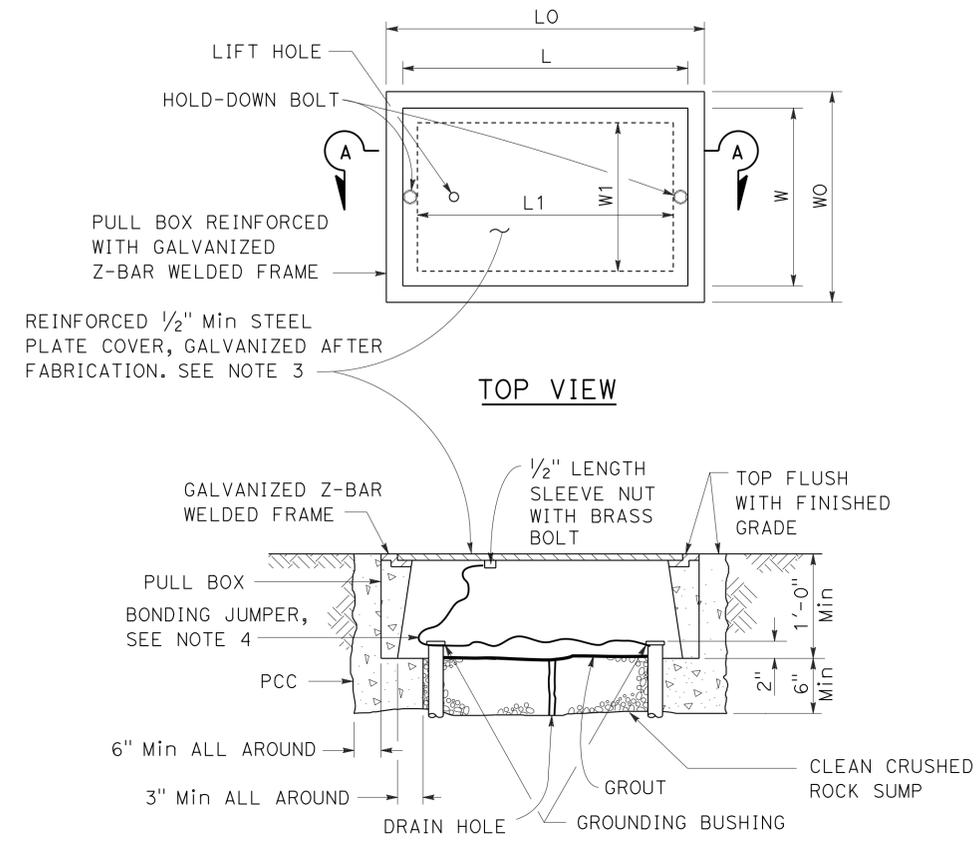
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	338	349

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 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 4-22-13



No. 3 1/2(T), No. 5(T) AND No. 6(T) TRAFFIC PULL BOX

NOTES ON PULL BOXES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- 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.
 - No. 3 1/2(T) pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5(T) or 6(T) pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATION" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communications line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
- Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes must be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces must be flush within 1/8".

PULL BOX	BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	W0	L0	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5"± 1"	1'-8 7/8"±	1'-2 1/2"±	10 5/8"± 1"	1'-8"±	1'-1 3/4"±	0"	1/2"	NONE
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2"± 1"	2'-5 1/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	1/2"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11 1/2"±	1'-11 1/2"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	1/2"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

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

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

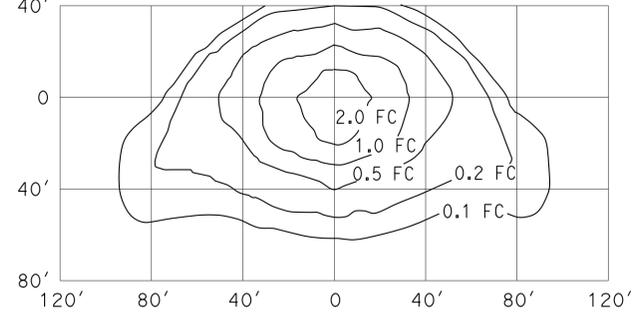
2010 REVISED STANDARD PLAN RSP ES-8B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	339	349

Jeffrey B. McRae
 REGISTERED ELECTRICAL ENGINEER
 July 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.

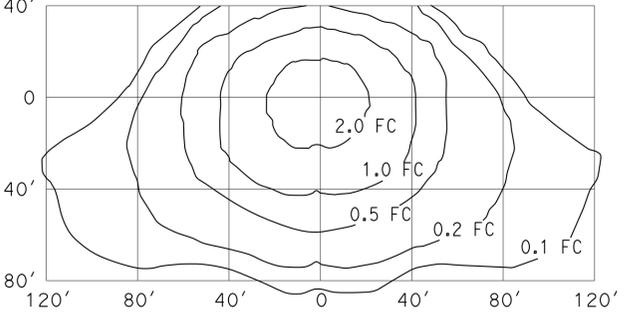
TO ACCOMPANY PLANS DATED 4-22-13

ISOFOOTCANDLE CURVE - MINIMUM



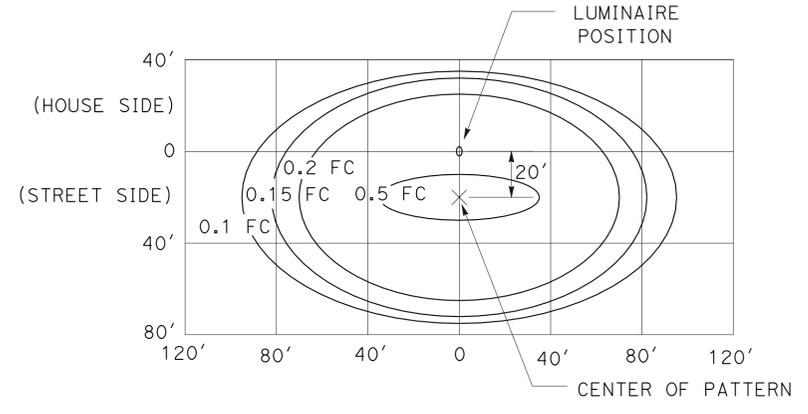
TYPE III MEDIUM CUTOFF
 Cutoff Luminaire
 34' Mounting Height
 Lamp operated at 22,000 lm
 200-W high pressure sodium lamp
 ANSI Designation S66

ISOFOOTCANDLE CURVE - MINIMUM



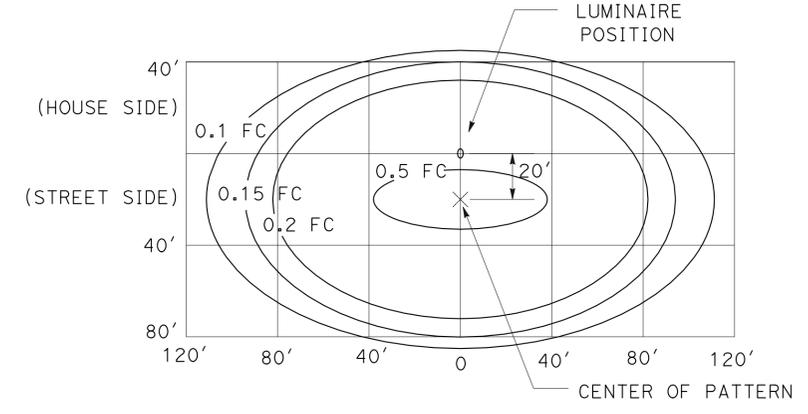
TYPE III MEDIUM CUTOFF
 Cutoff Luminaire
 40' Mounting Height
 Lamp operated at 37,000 lm
 310-W high pressure sodium lamp
 ANSI Designation S67

ISOFOOTCANDLE CURVE - MINIMUM



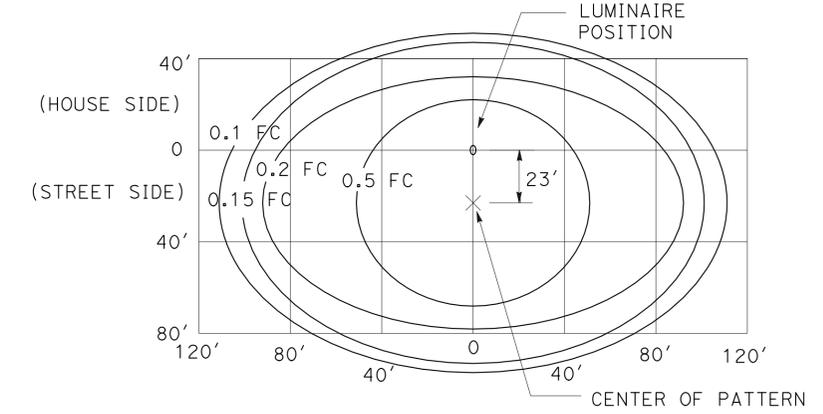
LED LUMINAIRE ROADWAY 1
 200-W HPS Equivalent at 34' Mounting Height

ISOFOOTCANDLE CURVE - MINIMUM



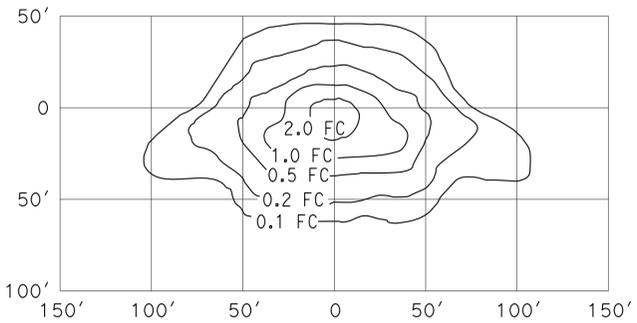
LED LUMINAIRE ROADWAY 2
 310-W HPS Equivalent at 40' Mounting Height

ISOFOOTCANDLE CURVE - MINIMUM



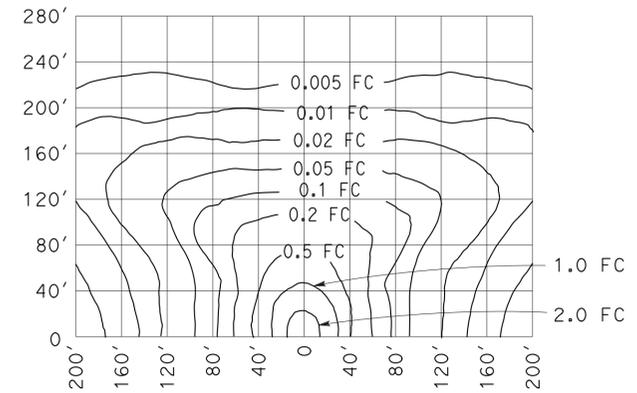
LED LUMINAIRE ROADWAY 4
 400-W HPS Equivalent at 40' Mounting Height

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)**

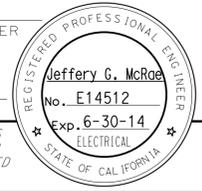
NO SCALE

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

2010 REVISED STANDARD PLAN RSP ES-10A

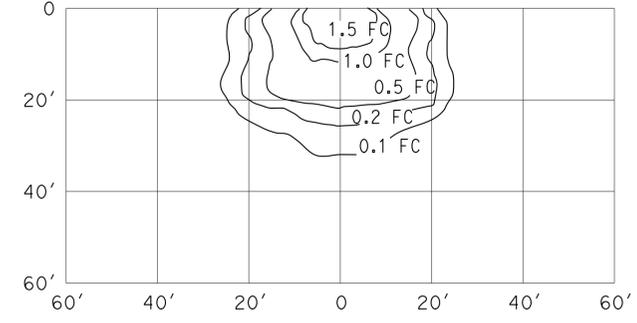
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	340	349

Jeffrey G. McRae
 REGISTERED ELECTRICAL ENGINEER
 July 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.



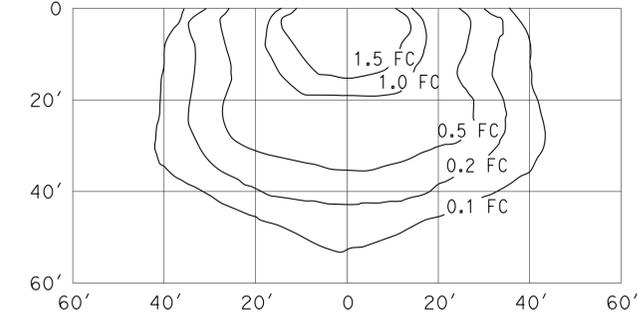
TO ACCOMPANY PLANS DATED 4-22-13

ISOFOOTCANDLE CURVE - MINIMUM



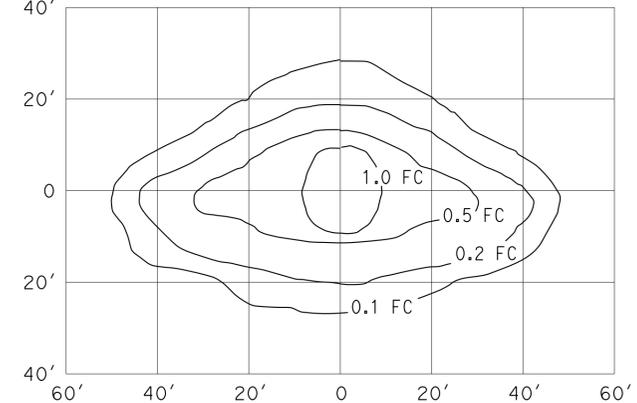
WALL LUMINAIRE
 15' Mounting Height
 Lamp operated at 5,800 lm
 70-W high pressure sodium lamp
 ANSI Designation S62

ISOFOOTCANDLE CURVE - MINIMUM



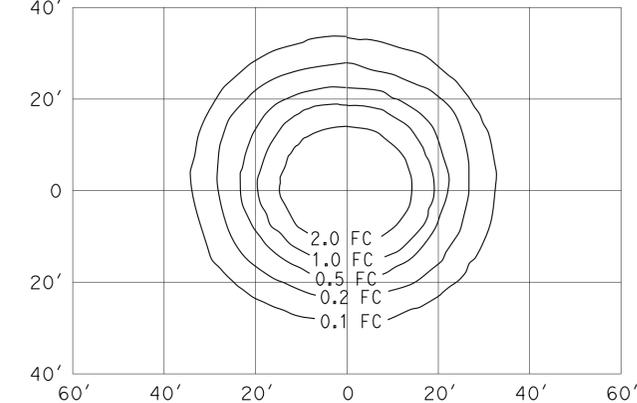
WALL LUMINAIRE
 15' Mounting Height
 Lamp operated at 9,500 lm
 100-W high pressure sodium lamp
 ANSI Designation S54

ISOFOOTCANDLE CURVE - MINIMUM



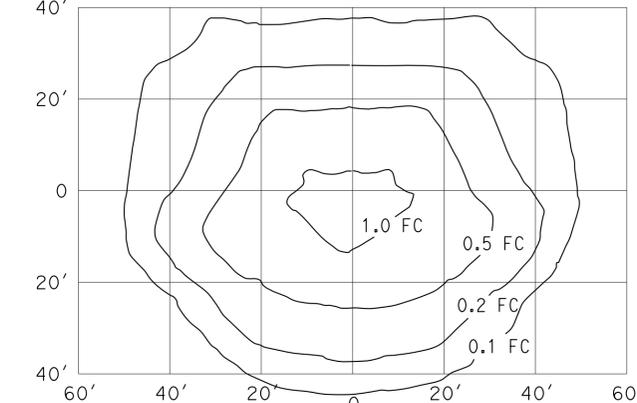
**PENDANT SOFFIT LUMINAIRE
 TYPE III SHORT**
 17' Mounting Height
 Lamp operated at 5,800 lm
 70-W high pressure sodium lamp
 ANSI Designation S62

ISOFOOTCANDLE CURVE - MINIMUM

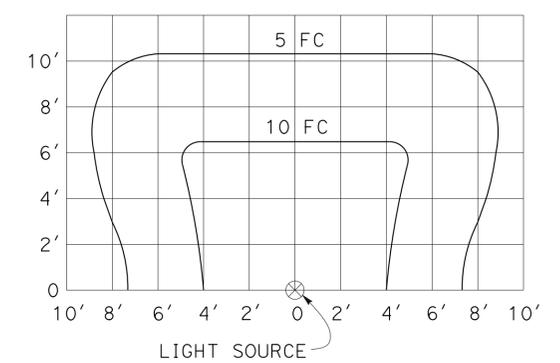


PENDANT SOFFIT LUMINAIRE
 17' Mounting Height
 Lamp operated at 5,800 lm
 70-W high pressure sodium lamp
 ANSI Designation S62

ISOFOOTCANDLE CURVE - MINIMUM



FLUSH SOFFIT LUMINAIRE
 17' Mounting Height
 Lamp operated at 5,800 lm
 70-W high pressure sodium lamp
 ANSI Designation S62



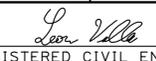
**SIGN LIGHTING FIXTURE
 ISOFOOTCANDLE DIAGRAM**

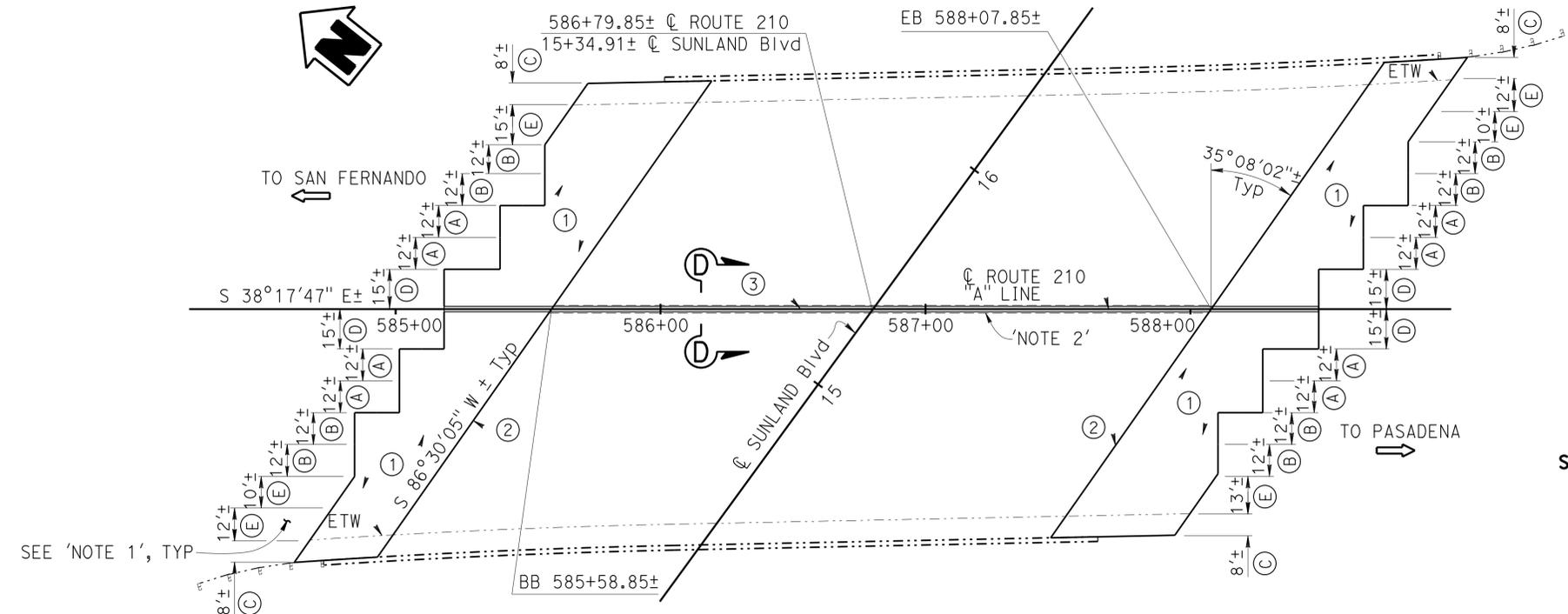
- NOTES:**
- Curves represent the minimum footcandle (FC) of initial illumination on a 10'-0" x 20'-0" panel.
 - The FC shown are with the fixture attached to the light fixture mounting channel which places the center of the source 4'-8" in front of panel and 1'-0" below the bottom edge.
 - Applicable lamp: 85-W fluorescent phosphor coated induction lamp.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (ISOFOOTCANDLE DIAGRAMS)**
 NO SCALE

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

2010 REVISED STANDARD PLAN RSP ES-10B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	341	349
			3-12-13	DATE	
REGISTERED CIVIL ENGINEER			DATE		
4-22-13			PLANS APPROVAL DATE		
			REGISTERED PROFESSIONAL ENGINEER No. 45351 Exp. 09-30-14 CIVIL STATE OF CALIFORNIA		
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SUNLAND BLVD. UC
(BRIDGE No. 53-2251 PM=11.1)

PLAN
1" = 30'-0"

SUNLAND BLVD UC 53-2251

QUANTITIES

REMOVE CONCRETE BARRIER	330	LF
REFINISH BRIDGE DECK	747	SQFT
AGGREGATE BASE (APPROACH SLAB)	64	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	635	CY
JOINT SEAL (MR 1")	445	LF
RUSTIC ROCK BARRIER PATTERN	660	LF
CONCRETE BARRIER (TYPE 60GA)(MOD)	330	LF

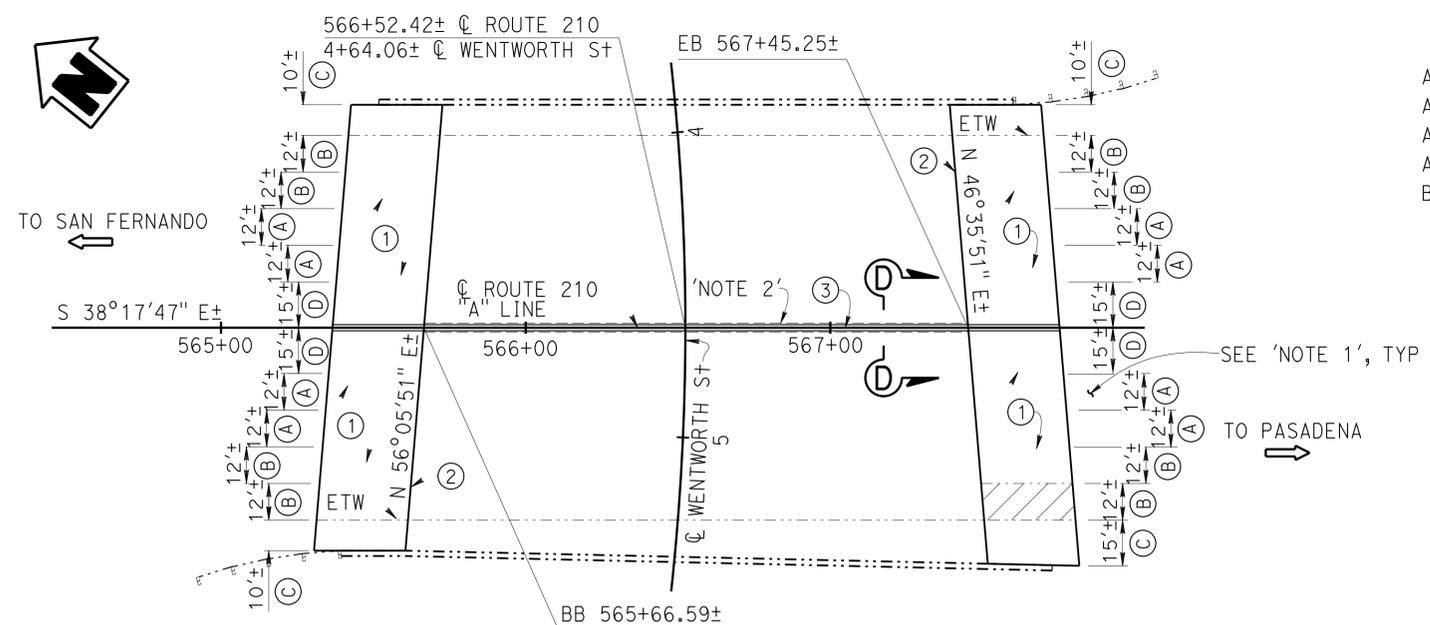
WENTWORTH STREET UC 53-2246

QUANTITIES

REMOVE CONCRETE BARRIER	239	LF
REFINISH BRIDGE DECK	536	SQFT
AGGREGATE BASE (APPROACH SLAB)	44	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	439	CY
PAVING NOTCH EXTENSION	229	CF
JOINT SEAL (MR 1")	311	LF
RUSTIC ROCK BARRIER PATTERN	478	LF
CONCRETE BARRIER (TYPE 60GA)(MOD)	239	LF

NOTES:

- All new structure approach lane widths to match all existing and or new longitudinal lane joints
- See limits of refinish deck on "Miscellaneous Details" sheet



WENTWORTH ST. UC
(BRIDGE No. 53-2246 PM=10.7)

PLAN
1" = 30'-0"

INDEX TO PLANS

SHEET NO.:	TITLE:
1.	GENERAL PLAN NO. 1
2.	GENERAL PLAN NO. 2
3.	GENERAL PLAN NO. 3
4.	GENERAL PLAN NO. 4
5.	GENERAL PLAN NO. 5
6.	STRUCTURE APPROACH TYPE R(30D)
7.	MISCELLANEOUS DETAILS
8.	CONCRETE BARRIER TRANSITION BLOCK DETAILS
9.	EXISTING ROADWAY REMOVAL

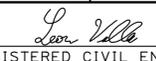
STANDARD PLANS DATED 2010

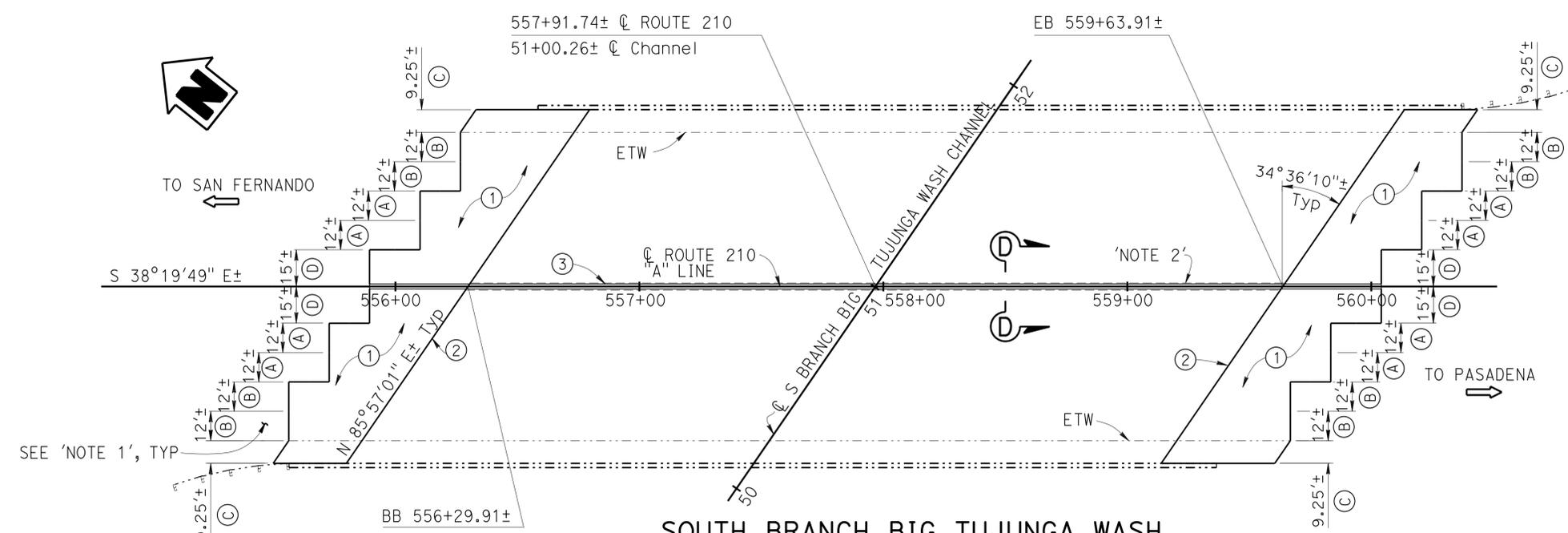
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A76A	CONCRETE BARRIER TYPE 60
A76D	CONCRETE BARRIER TYPE 60G
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING=2")

LEGEND

- ① Structure approach type R (30D)
 - ② Replace existing joint seals
 - ③ Replace existing median concrete barrier to type 60GA modified.
 - Ⓐ-Ⓔ See limits of roadway removal longitudinal sections on "Existing Roadway Removal" sheet
 - - - - - Indicates existing structure
 - Indicates new structure
 - ▨ Indicates removal limits of existing pavement subsealing material
- See 'Section D-D' on "Miscellaneous Details" sheet

Matt Holm DESIGN ENGINEER	DESIGN	BY L. Valla	CHECKED J. Wang	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 DESIGN BRANCH 12	BRIDGE NO.	STRUCTURE APPROACH AND MEDIAN BARRIER REPLACEMENT GENERAL PLAN NO 1			
	DETAILS	BY T. Cotton	CHECKED L. Valla	LAYOUT	BY T. Cotton			CHECKED L. Valla		Varies		
	QUANTITIES	BY L. Valla	CHECKED J. Klieby	SPECIFICATIONS	BY Karen Doll			CHECKED Karen Doll		Varies		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						0 1 2 3	UNIT: 3606	PROJECT NUMBER & PHASE: 0700020957	CONTRACT NO.: 07-288011	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 1 OF 9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	342	349
 REGISTERED CIVIL ENGINEER			3-12-13 DATE		
4-22-13 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>					



- NOTES:**
1. All new structure approach lane widths to match all existing and or new longitudinal lane joints
 2. See limits of refinish deck on "Miscellaneous Details" sheet

BIG TUJUNGA WASH BRIDGE 53-2249

QUANTITIES

REMOVE CONCRETE BARRIER	1,414	LF
REFINISH BRIDGE DECK	3,910	SQFT
AGGREGATE BASE (APPROACH SLAB)	55	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	546	CY
PAVING NOTCH EXTENSION	433	CF
JOINT SEAL (MR 1")	578	LF
RUSTIC ROCK BARRIER PATTERN	2,828	LF
CONCRETE BARRIER (TYPE 60A)(MOD)	1,414	LF

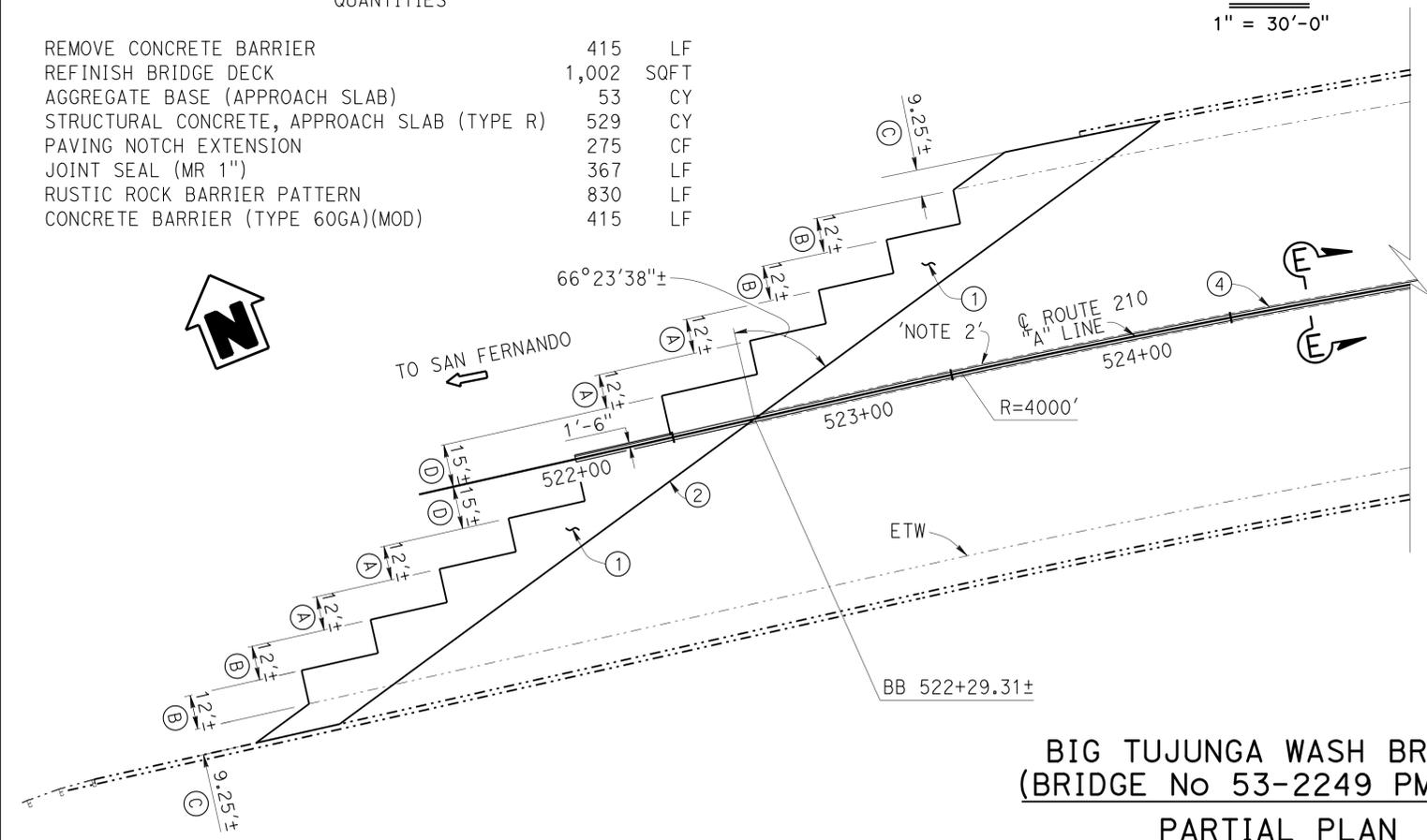
SOUTH BRANCH BIG TUJUNGA WASH 53-2562

QUANTITIES

REMOVE CONCRETE BARRIER	415	LF
REFINISH BRIDGE DECK	1,002	SQFT
AGGREGATE BASE (APPROACH SLAB)	53	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	529	CY
PAVING NOTCH EXTENSION	275	CF
JOINT SEAL (MR 1")	367	LF
RUSTIC ROCK BARRIER PATTERN	830	LF
CONCRETE BARRIER (TYPE 60GA)(MOD)	415	LF

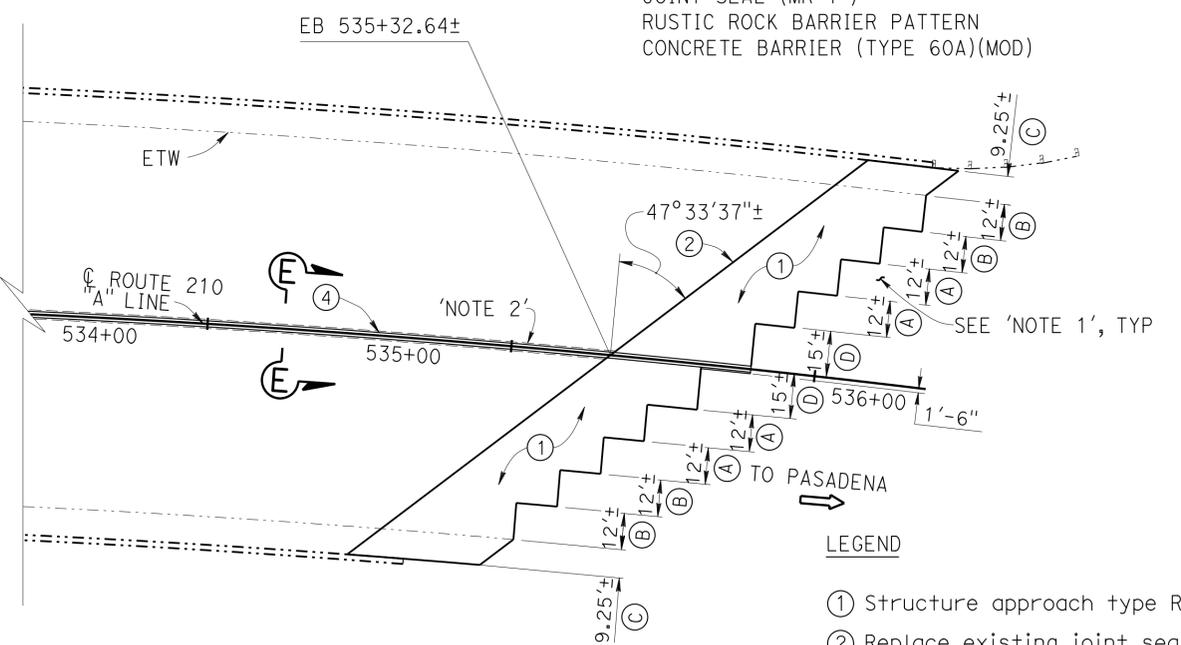
**SOUTH BRANCH BIG TUJUNGA WASH
(BRIDGE No 53-2562 PM=10.5)**

PLAN
1" = 30'-0"



**BIG TUJUNGA WASH BRIDGE
(BRIDGE No 53-2249 PM=9.9)**

PARTIAL PLAN
1" = 30'-0"



LEGEND

- ① Structure approach type R (30D)
 - ② Replace existing joint seals
 - ③ Replace existing median concrete barrier to type 60GA modified
 - ④ Replace existing median concrete barrier to type 60A modified
 - (A)-(E) See limits of roadway removal longitudinal sections on "Existing Roadway Removal" sheet
 - Indicates existing structure
 - Indicates new structure
- See 'Section D-D' and 'Section E-E' on "Miscellaneous Details" sheet

Matt Holm
DESIGN ENGINEER

DESIGN	BY L. Valla	CHECKED J. Wang
DETAILS	BY T. Cotton	CHECKED L. Valla
QUANTITIES	BY L. Valla	CHECKED J. Klieby

LOAD & RESISTANCE FACTOR DESIGN	BY T. Cotton	CHECKED L. Valla
LAYOUT	BY T. Cotton	CHECKED L. Valla
SPECIFICATIONS	BY Karen Doll	CHECKED Karen Doll

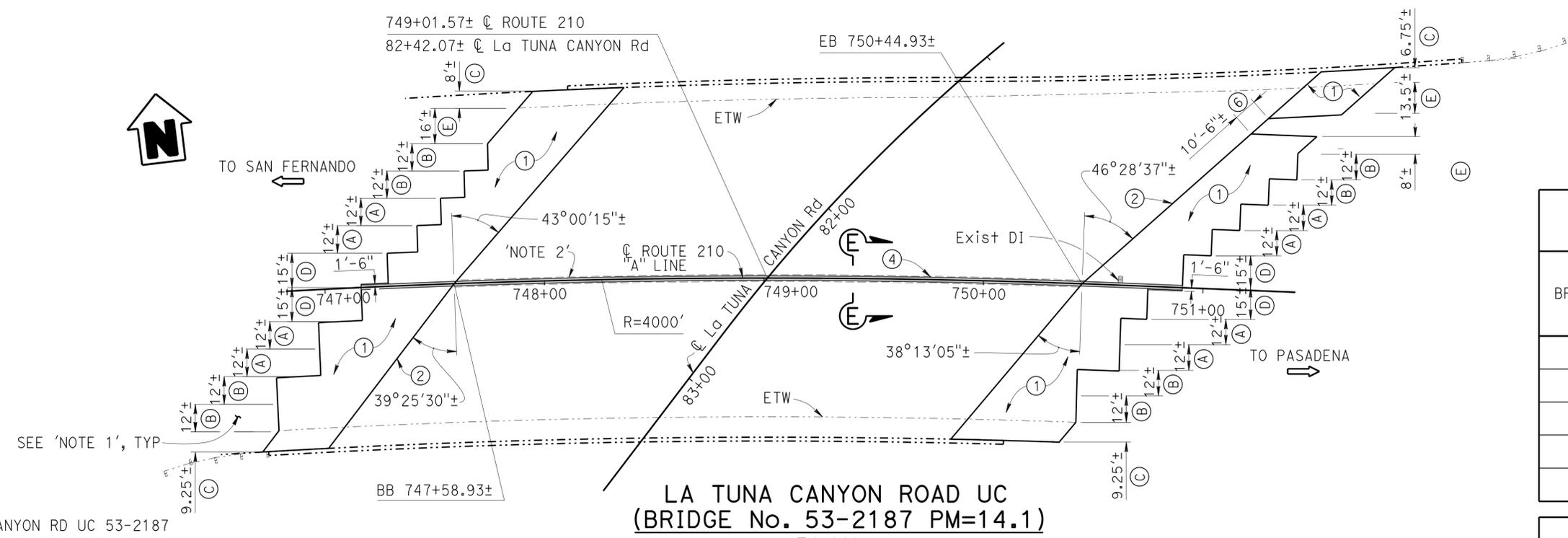
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 12

**STRUCTURE APPROACH AND
MEDIAN BARRIER REPLACEMENT
GENERAL PLAN NO 2**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	343	349

Leon Valla
 REGISTERED CIVIL ENGINEER DATE 3-12-13
 4-22-13
 PLANS APPROVAL DATE
 Leon Valla
 No. 45351
 Exp. 09-30-14
 CIVIL
 STATE OF CALIFORNIA
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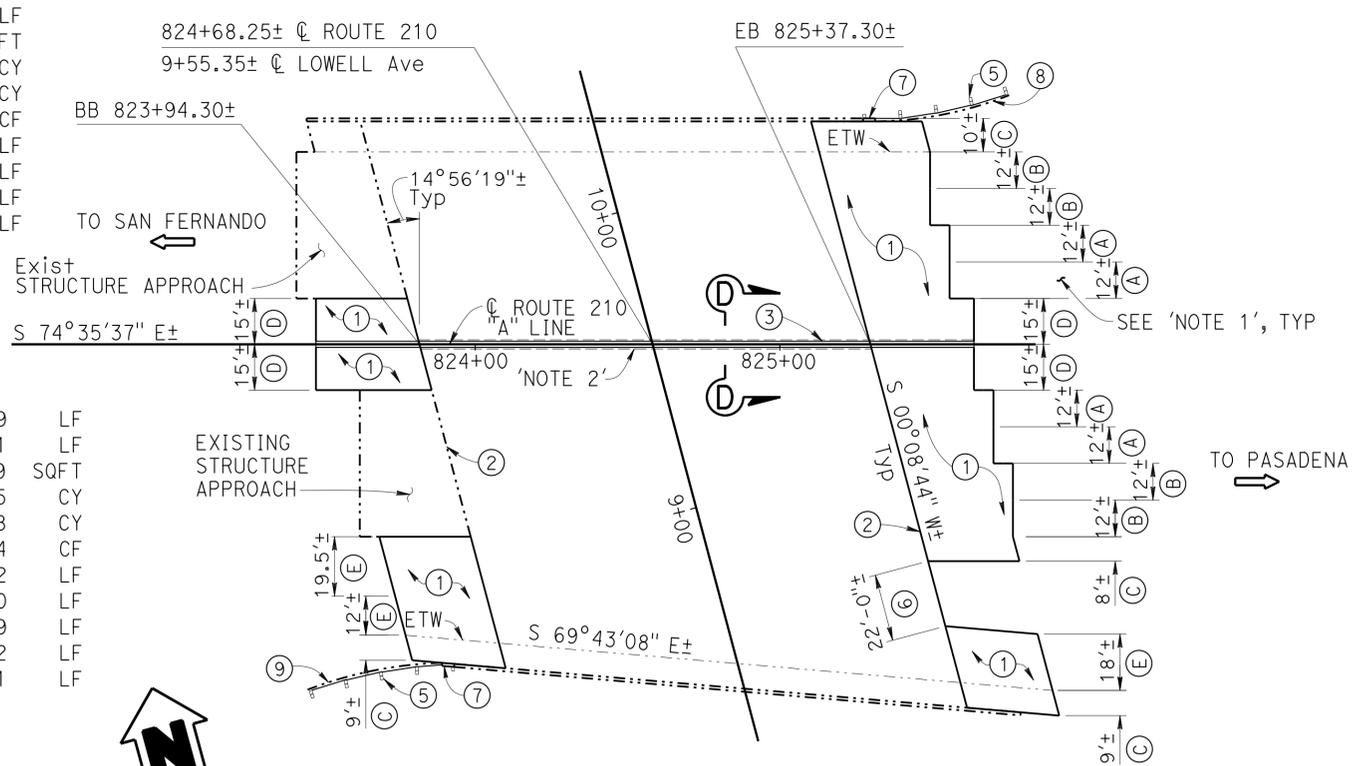
LA TUNA CANYON RD UC 53-2187

**LA TUNA CANYON ROAD UC
(BRIDGE No. 53-2187 PM=14.1)**

PLAN
1" = 30'-0"

QUANTITIES

REMOVE CONCRETE BARRIER	374	LF
REFINISH BRIDGE DECK	858	SQFT
AGGREGATE BASE (APPROACH SLAB)	57	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	567	CY
PAVING NOTCH EXTENSION	337	CF
CLEAN EXPANSION JOINT	11	LF
JOINT SEAL (MR 1")	459	LF
RUSTIC ROCK BARRIER PATTERN	748	LF
CONCRETE BARRIER (TYPE 60A)(MOD)	374	LF



LOWELL AVENUE UC 53-2306

**LOWELL AVE UC
(BRIDGE No. 53-2306 PM=15.6)**

PLAN
1" = 30'-0"

QUANTITIES

REMOVE BRIDGE APPROACH GUARD RAILING (TYPE 8)	49	LF
REMOVE CONCRETE BARRIER	211	LF
REFINISH BRIDGE DECK	429	SQFT
AGGREGATE BASE (APPROACH SLAB)	35	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	348	CY
PAVING NOTCH EXTENSION	194	CF
CLEAN EXPANSION JOINT	22	LF
JOINT SEAL (MR 1")	280	LF
CONCRETE BARRIER (TRANSITION)	9	LF
RUSTIC ROCK BARRIER PATTERN	422	LF
CONCRETE BARRIER (TYPE 60GA)(MOD)	211	LF

NOTES:

- All new structure approach lane widths to match all existing and or new longitudinal lane joints
- See limits of refinish deck on "Miscellaneous Details" sheet

**LIMITS OF MEDIAN CONCRETE
BARRIER TYPE 60GA MODIFIED**

BRIDGE NUMBER	BEGINNING STATION	ENDING STATION
53-2251	585+18.29 ±	588+48.41 ±
53-2246	565+36.59 ±	567+75.25 ±
53-2562	555+89.56 ±	560+04.26 ±
53-2306	823+60.30 ±	825+71.30 ±
53-2321	830+16.74 ±	833+57.22 ±

**LIMITS OF MEDIAN CONCRETE
BARRIER TYPE 60A MODIFIED**

BRIDGE NUMBER	BEGINNING STATION	ENDING STATION
53-2249	521+64.99 ±	535+78.95 ±
53-2187	747+16.54 ±	750+90.62 ±
53-2322	837+42.70 ±	839+49.07 ±

LEGEND

- ① Structure approach type R (30D)
 - ② Replace existing joint seals
 - ③ Replace existing median concrete barrier to type 60GA modified
 - ④ Replace existing median concrete barrier to type 60A modified
 - ⑤ MBGR see "Road Plans"
 - ⑥ Indicates length of limits for clean expansion joint
 - ⑦ Concrete barrier transition block
 - ⑧ Existing bridge approach guard railing type 8 removal
 - ⑨ Existing MBGR, see "Road Plans"
 - Ⓐ-Ⓔ See limits of roadway removal longitudinal sections on "Existing Roadway Removal" sheet
 - Indicates existing structure
 - Indicates new structure
- See 'Section D-D' and 'Section E-E' on "Miscellaneous Details" sheet

Matt Holm
DESIGN ENGINEER

DESIGN BY: L. Valla
 DETAILS BY: T. Cotton
 QUANTITIES BY: L. Valla

CHECKED BY: J. Wang
 CHECKED BY: L. Valla
 CHECKED BY: J. Klieby

LOAD & RESISTANCE FACTOR DESIGN
 LAYOUT BY: T. Cotton
 SPECIFICATIONS BY: Karen Doll

LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE
 CHECKED BY: L. Valla
 PLANS AND SPECS COMPARED BY: Karen Doll

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
 DESIGN BRANCH 12

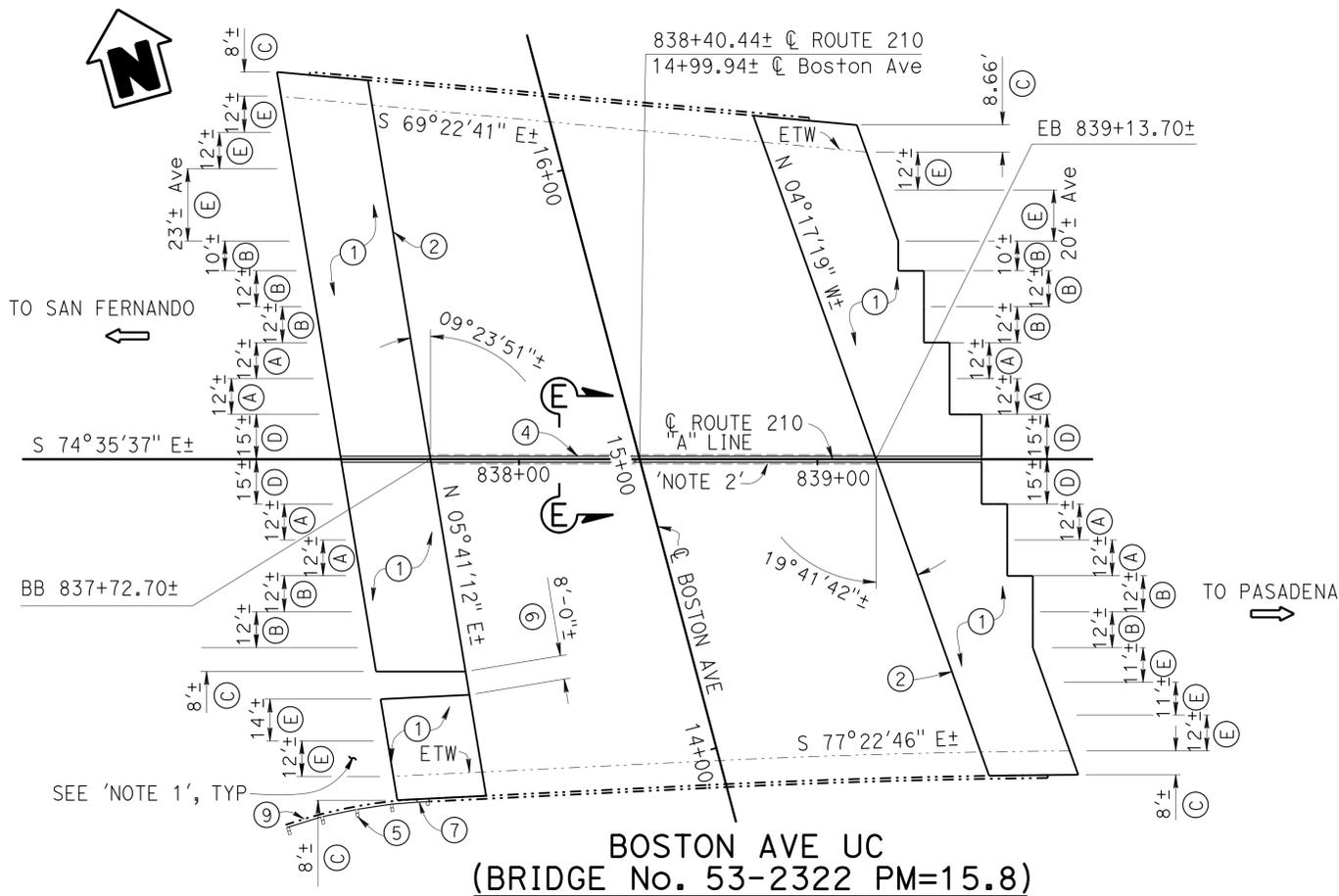
BRIDGE NO. Varies
 POST MILE Varies

**STRUCTURE APPROACH AND
MEDIAN BARRIER REPLACEMENT
GENERAL PLAN NO 3**

BOSTON AVENUE UC 53-2322

QUANTITIES

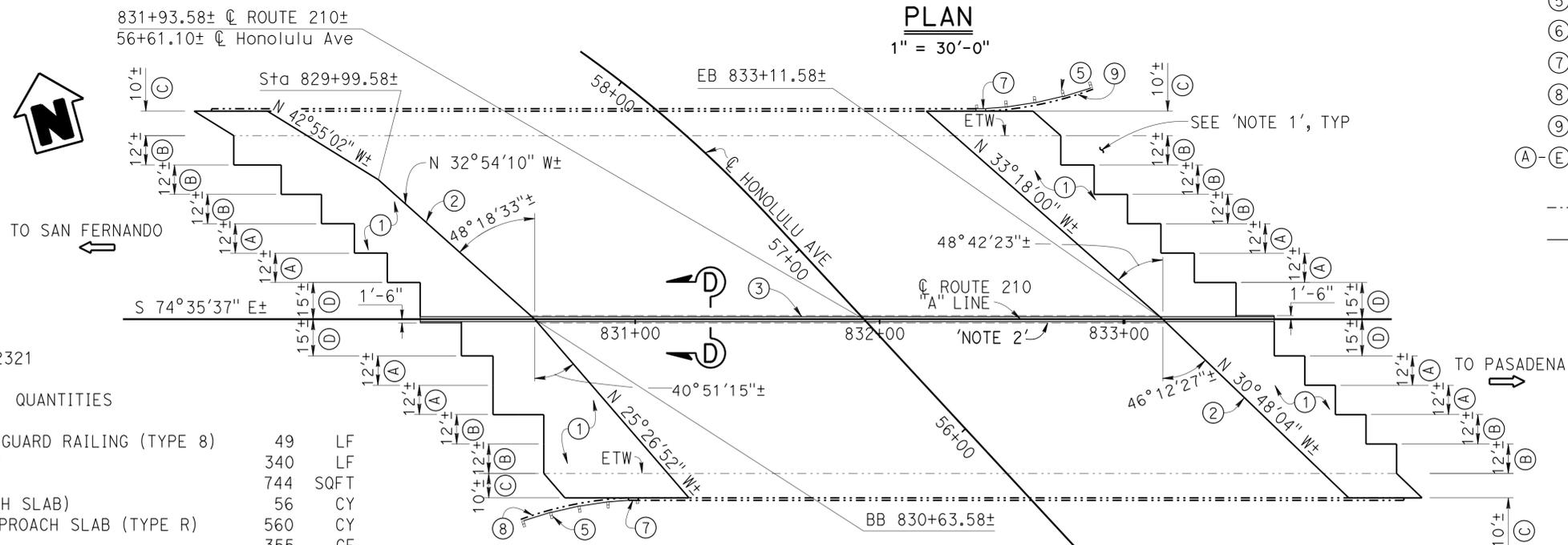
REMOVE CONCRETE BARRIER	206	LF
REFINISH BRIDGE DECK	423	SQFT
AGGREGATE BASE (APPROACH SLAB)	66	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	662	CY
PAVING NOTCH EXTENSION	360	CF
CLEAN EXPANSION JOINT	8	LF
JOINT SEAL (MR 1")	481	LF
CONCRETE BARRIER (TRANSITION)	4.5	LF
RUSTIC ROCK BARRIER PATTERN	412	LF
CONCRETE BARRIER (TYPE 60A)(MOD)	206	LF



BOSTON AVE UC
(BRIDGE No. 53-2322 PM=15.8)

PLAN

1" = 30'-0"



HONOLULU AVE UC
(BRIDGE No. 53-2321 PM=15.7)

PLAN

1" = 30'-0"

HONOLULU AVENUE UC 53-2321

QUANTITIES

REMOVE BRIDGE APPROACH GUARD RAILING (TYPE 8)	49	LF
REMOVE CONCRETE BARRIER	340	LF
REFINISH BRIDGE DECK	744	SQFT
AGGREGATE BASE (APPROACH SLAB)	56	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	560	CY
PAVING NOTCH EXTENSION	355	CF
JOINT SEAL (MR 1")	474	LF
CONCRETE BARRIER (TRANSITION)	9	LF
RUSTIC ROCK BARRIER PATTERN	680	LF
CONCRETE BARRIER (TYPE 60A)(MOD)	340	LF

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	344	349

REGISTERED CIVIL ENGINEER
 DATE 3-12-13
 PLANS APPROVAL DATE 4-22-13
 Leon Valla
 No. 45351
 Exp. 09-30-14
 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.

NOTES:

- All new structure approach lane widths to match all existing and or new longitudinal lane joints
- See limits of refinish deck on "Miscellaneous Details" sheet

LEGEND

- Structure approach type R (30D)
 - Replace existing joint seals
 - Replace existing median concrete barrier to type 60GA modified
 - Replace existing median concrete barrier to type 60A modified
 - MBGR see "Road Plans"
 - Indicates length of limits for clean expansion joint
 - Concrete barrier transition block
 - Existing bridge approach guard railing type 8 removal
 - Existing MBGR, see "Road Plans"
 - A-E See limits of roadway removal longitudinal sections on "Existing Roadway Removal" sheet
 - Indicates existing structure
 - Indicates new structure
- See 'Section D-D' and 'Section E-E' on "Miscellaneous Details" sheet

Matt Holm DESIGN ENGINEER	DESIGN	BY L. Valla	CHECKED J. Wang	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 DESIGN BRANCH 12	BRIDGE NO.	Varies
	DETAILS	BY T. Cotton	CHECKED L. Valla	LAYOUT	BY T. Cotton			POST MILE	Varies
	QUANTITIES	BY L. Valla	CHECKED J. Klieby	SPECIFICATIONS	BY Karen Doll			PLANS AND SPECS COMPARED	Karen Doll

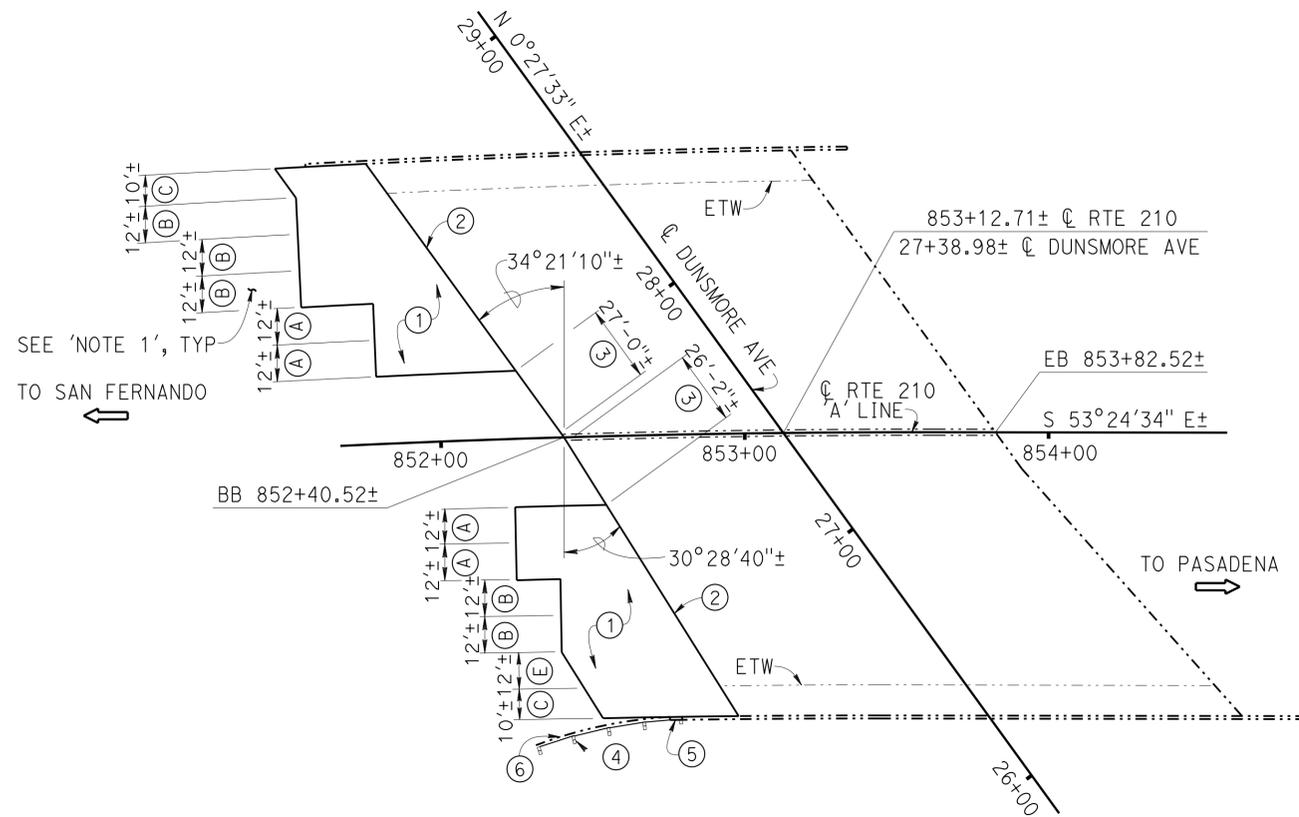
STRUCTURE APPROACH AND MEDIAN BARRIER REPLACEMENT
GENERAL PLAN NO 4

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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			3-12-13		
REGISTERED CIVIL ENGINEER			DATE		
4-22-13			PLANS APPROVAL DATE		
Leon Valla			No. 45351		
			Exp. 09-30-14		
			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.					

DUNSMORE AVENUE UC 53-2282

QUANTITIES

AGGREGATE BASE (APPROACH SLAB)	27	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	266	CY
PAVING NOTCH EXTENSION	124	CF
CLEAN EXPANSION JOINT	53	LF
JOINT SEAL (MR 1")	219	LF
CONCRETE BARRIER (TRANSITION)	4.5	LF



DUNSMORE AVE UC
(BRIDGE No. 53-2282 PM=16.1)

PLAN

1" = 30'-0"

NOTES:

- All new structure approach lane widths to match all existing and or new longitudinal lane joints

LEGEND

- ① Structure approach type R (30D)
- ② Replace existing joint seals
- ③ Indicates length of limits for clean expansion joint
- ④ MBGR see "Road Plans"
- ⑤ Concrete barrier transition block
- ⑥ Existing MBGR, see "Road Plans"
- Ⓐ-Ⓔ See limits of roadway removal longitudinal sections on "Existing Roadway Removal" sheet
- Indicates existing structure
- Indicates new structure

Matt Holm
DESIGN ENGINEER

DESIGN	BY L. Valla	CHECKED J. Wang
DETAILS	BY T. Cotton	CHECKED L. Valla
QUANTITIES	BY L. Valla	CHECKED J. Klieby

LOAD & RESISTANCE FACTOR DESIGN	BY T. Cotton	CHECKED L. Valla
LAYOUT	BY T. Cotton	CHECKED L. Valla
SPECIFICATIONS	BY Karen Doll	CHECKED Karen Doll

LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 12

BRIDGE NO.	Varies
POST MILE	Varies

STRUCTURE APPROACH AND
MEDIAN BARRIER REPLACEMENT
GENERAL PLAN NO 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

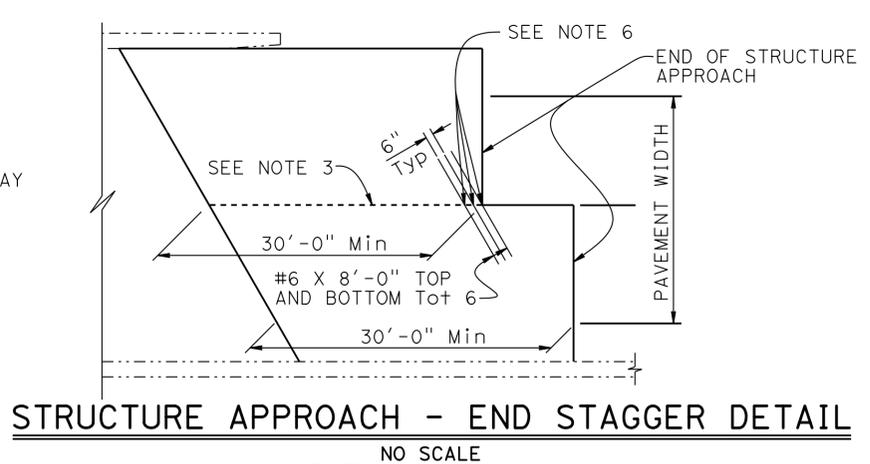
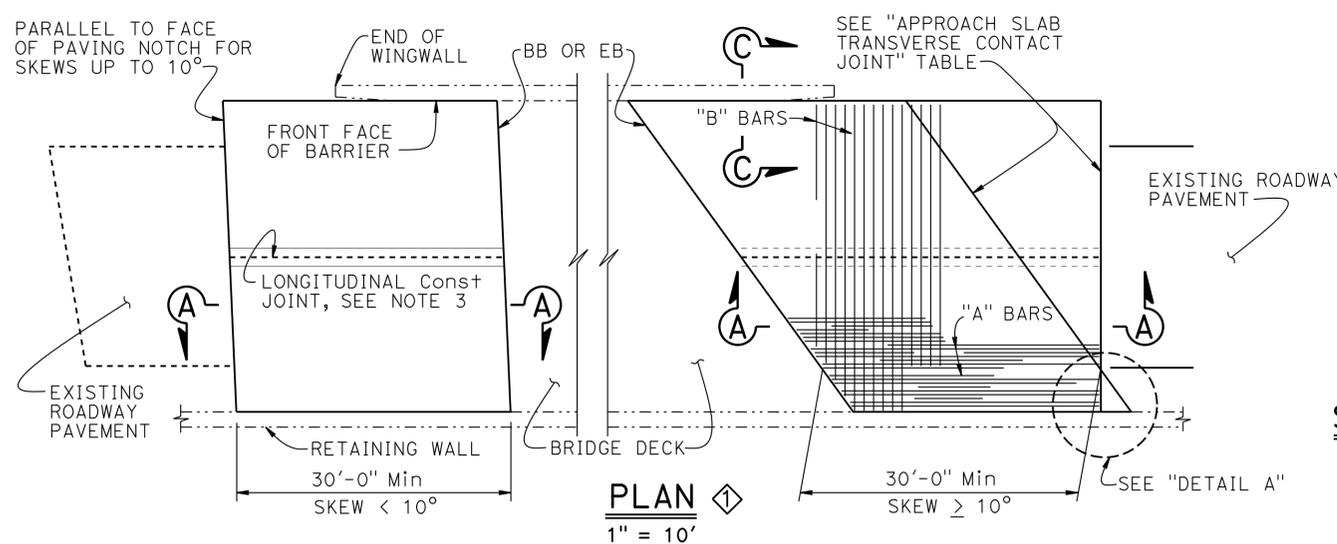
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UNIT: 3606
PROJECT NUMBER & PHASE: 0700020957

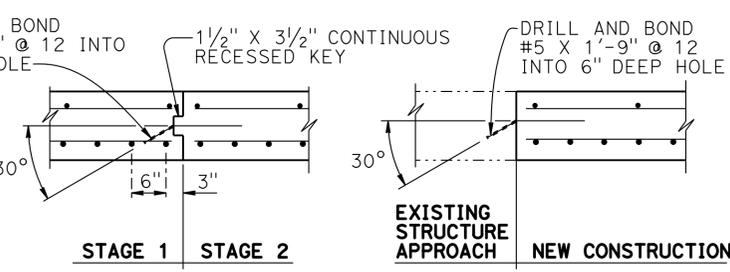
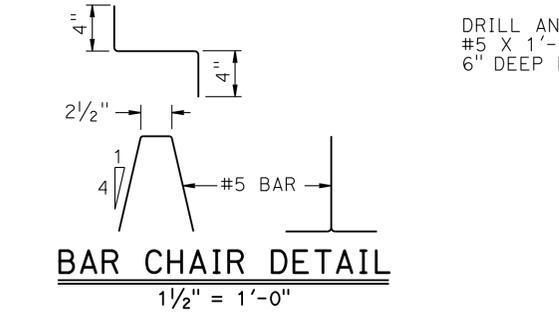
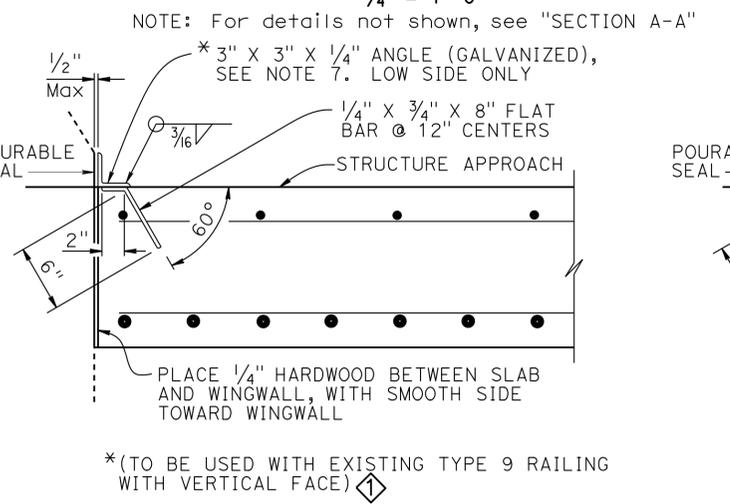
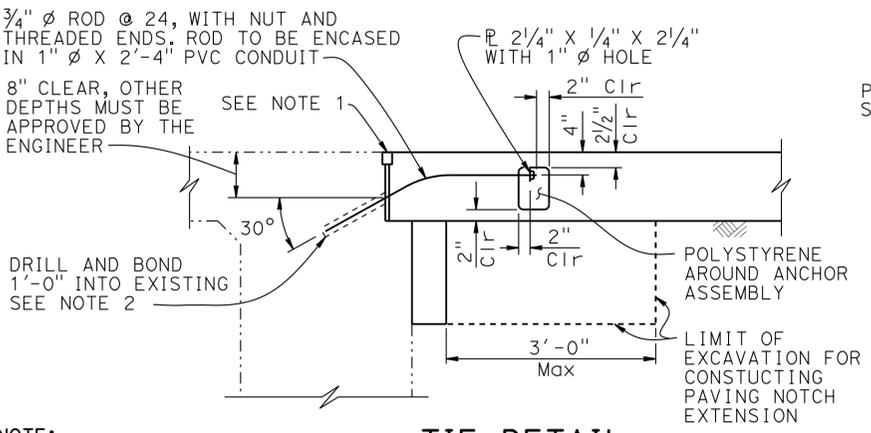
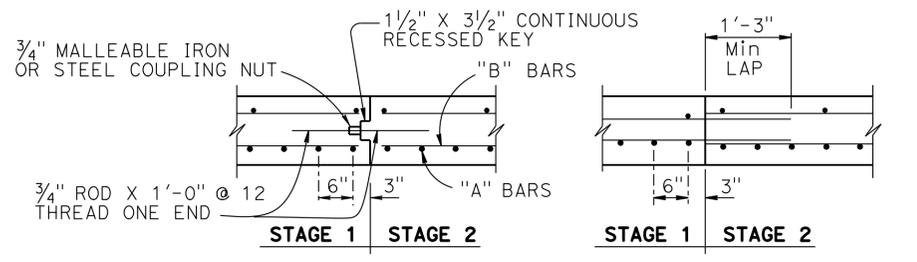
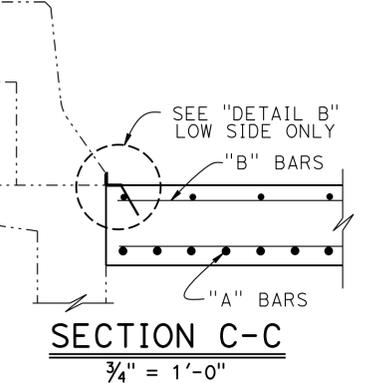
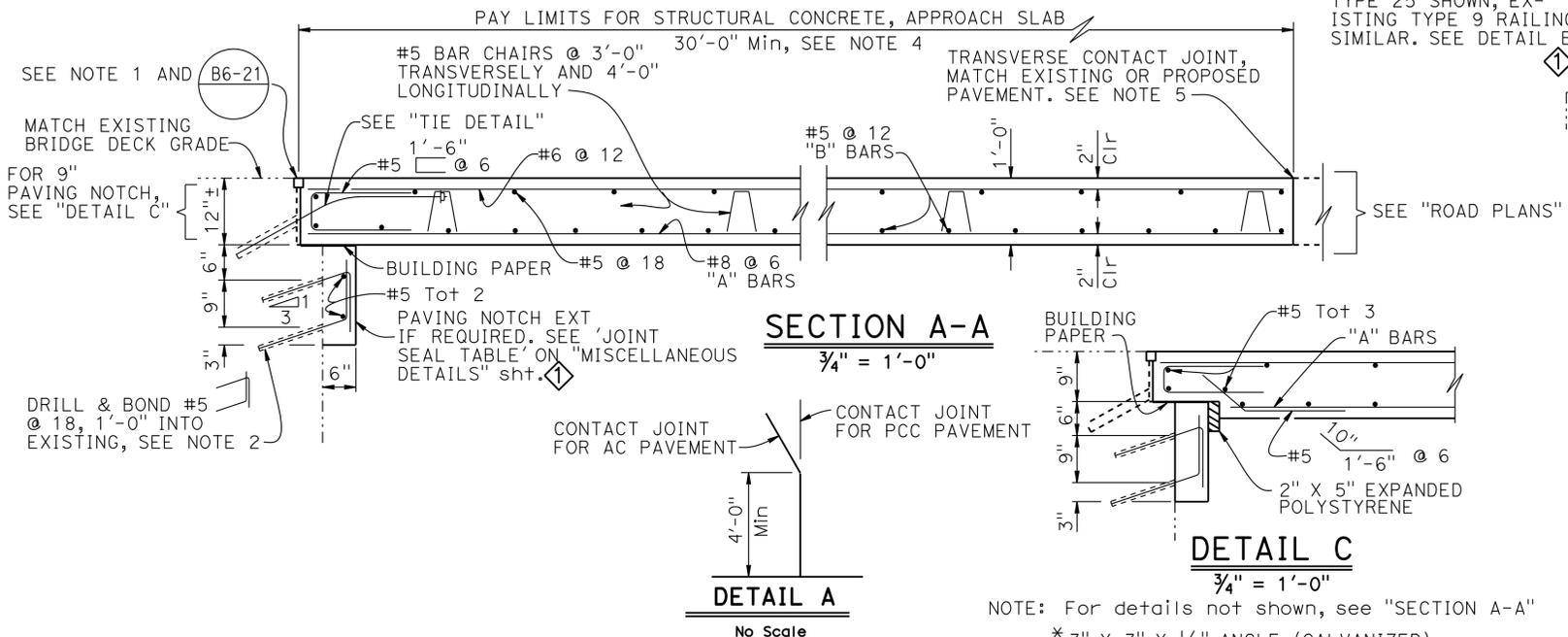
CONTRACT NO.: 07-288011

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	02-27-13	5	9

USERNAME => s121614 DATE PLOTTED => 26-APR-2013 TIME PLOTTED => 10:02



APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	PARALLEL TO FACE OF PN	PARALLEL TO FACE OF PAVING NOTCH
10° - 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER LINES 24' TO 36' APART
> 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER AT EACH LANE LINE



- NOTES:
- For details not shown or noted, see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required
 - Space to avoid existing prestress anchorages and main reinforcement
 - Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines
 - Transverse contact joint shall be a minimum of 5'-0" from an existing or constructed weakened plane joint
 - For transverse contact joint with new PCC paving, refer to Standard Plan P10
 - Couplers are required for stage construction
 - End angle or plate at beginning of barrier transition, end of wingwall or end of structure approach as applicable

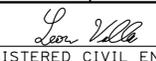
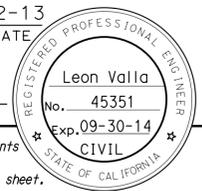
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

REVISED STANDARD DRAWING
 FILE NO. **xs3-150**
 APPROVAL DATE July 2011

Modified detail

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 BRIDGE NO. VARIES
 POST MILE 12.1/14.7
STRUCTURE APPROACH AND MEDIAN BARRIER REPLACEMENT
STRUCTURE APPROACH TYPE R(30D)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	347	349
 REGISTERED CIVIL ENGINEER			3-12-13 DATE		
4-22-13 PLANS APPROVAL DATE					
<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>					

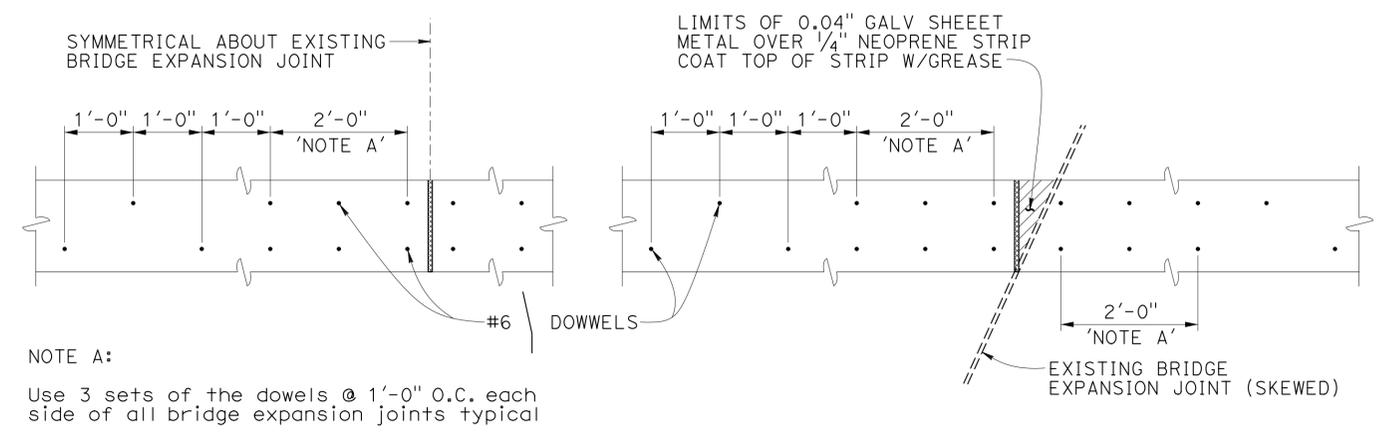
JOINT SEAL TABLE						
BRIDGE NUMBER	LOCATION	MINIMUM "MR" (IN)	MINIMUM "WI" (IN)	PAVING NOTCH EXT REQD	JT SEAL APPROX LENGTH (FT)	EXISTING WATERSTOP
53-2251	ABUT 1,3	1.0*		No	445	NO
53-2246	ABUT 1,2	1.0*		Yes	311	NO
53-2249	ABUT 1,12	1.0*		Yes	578	NO
53-2562	ABUT 1,3	1.0*		Yes	367	NO
53-2187	ABUT 1,4	1.0*		Yes	459	NO
53-2306	ABUT 1,2	1.0*		Yes	280	NO
53-2321	ABUT 1,3	1.0*		Yes	474	NO
53-2322	ABUT 1,2	1.0*		Yes	481	NO
53-2282	ABUT 1,2	1.0*		Yes	219	NO

LEGEND:

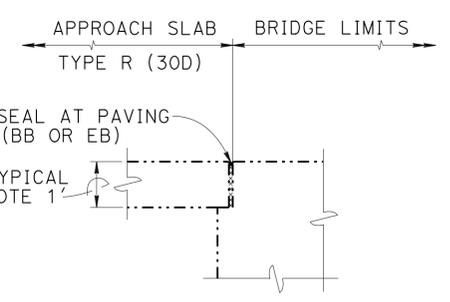
- * Use type A seal only
-  Existing expansion joint
-  Limits of 0.04 Galv sheet metal over 1/4" neoprene strip

NOTES:

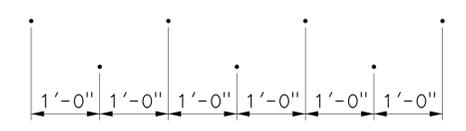
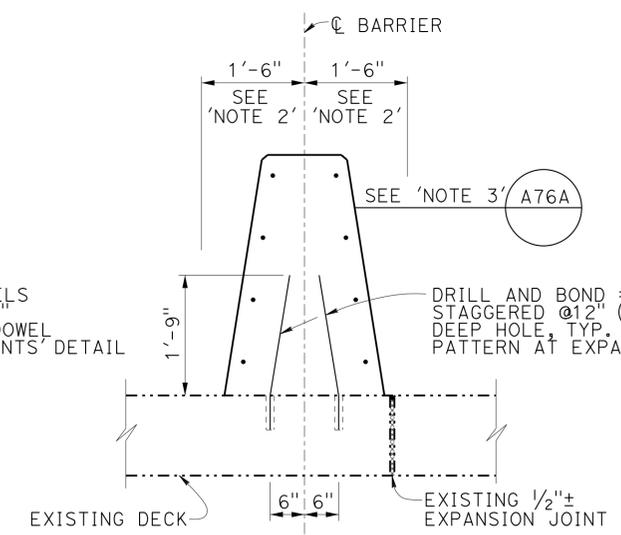
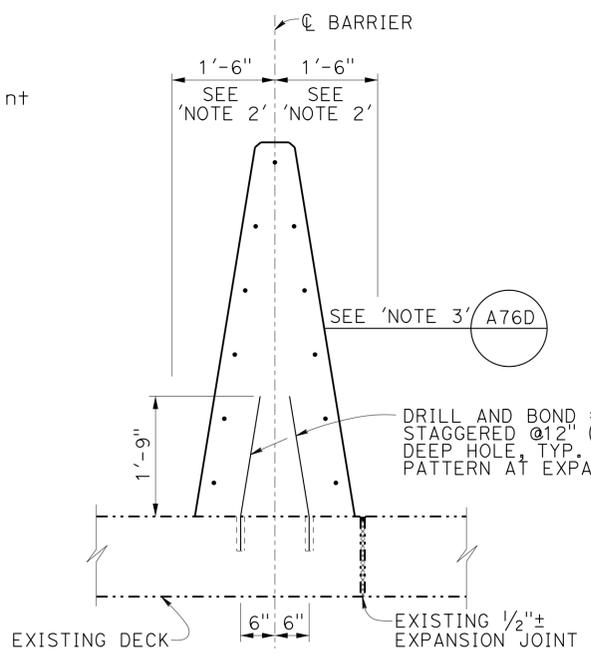
1. Indicates depth of limits for clean expansion joint
2. Limits of refinish deck
3. For rustic rock barrier pattern, see "Road Plans"



#6 DOWEL PATTERN AT EXPANSION JOINTS
3/4" = 1'-0"



DIAPHRAGM ABUTMENT
NO SCALE



STAGGERED #6 DOWEL PATTERN
3/4" = 1'-0"

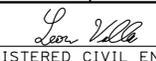
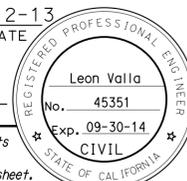
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

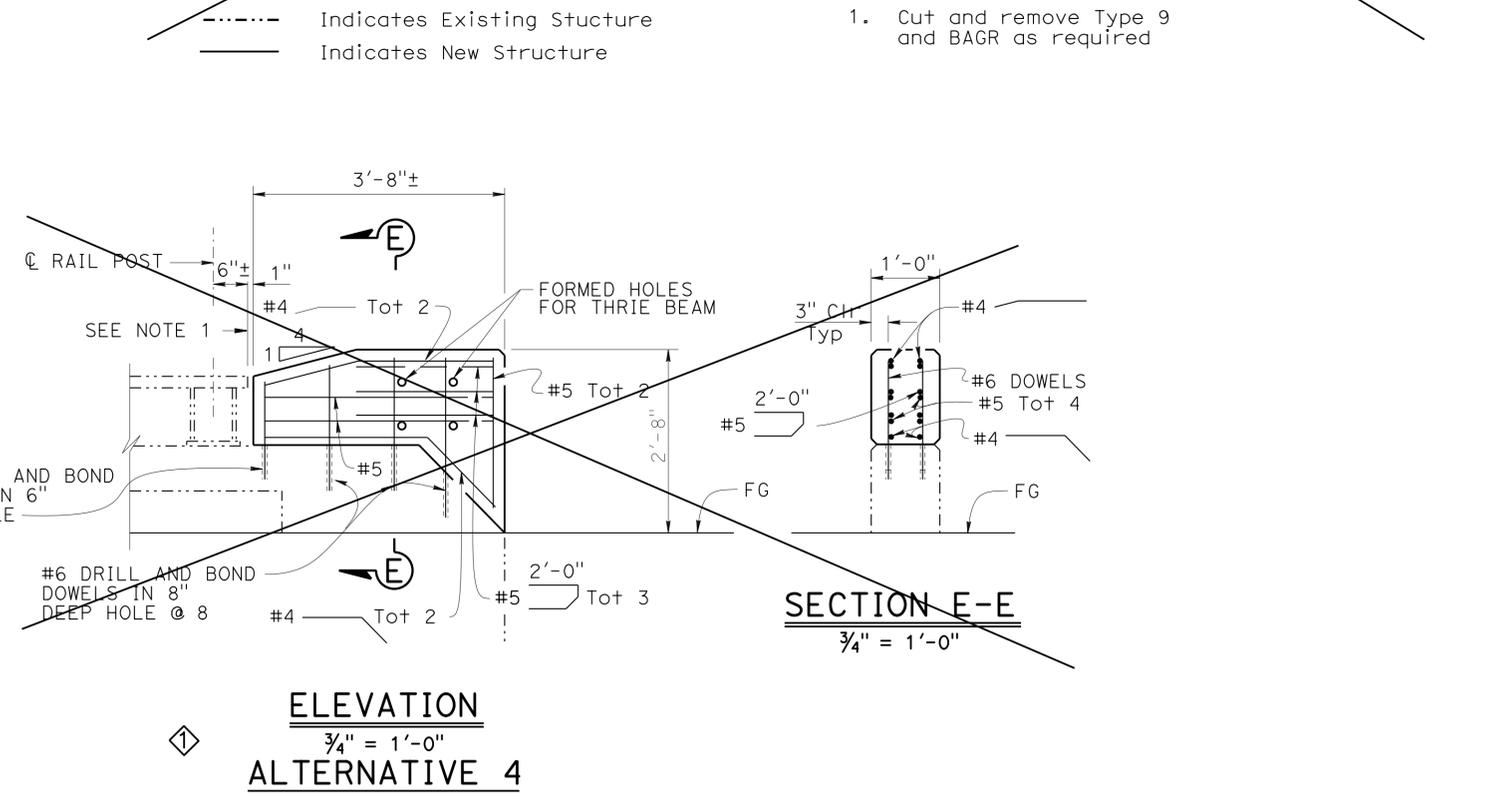
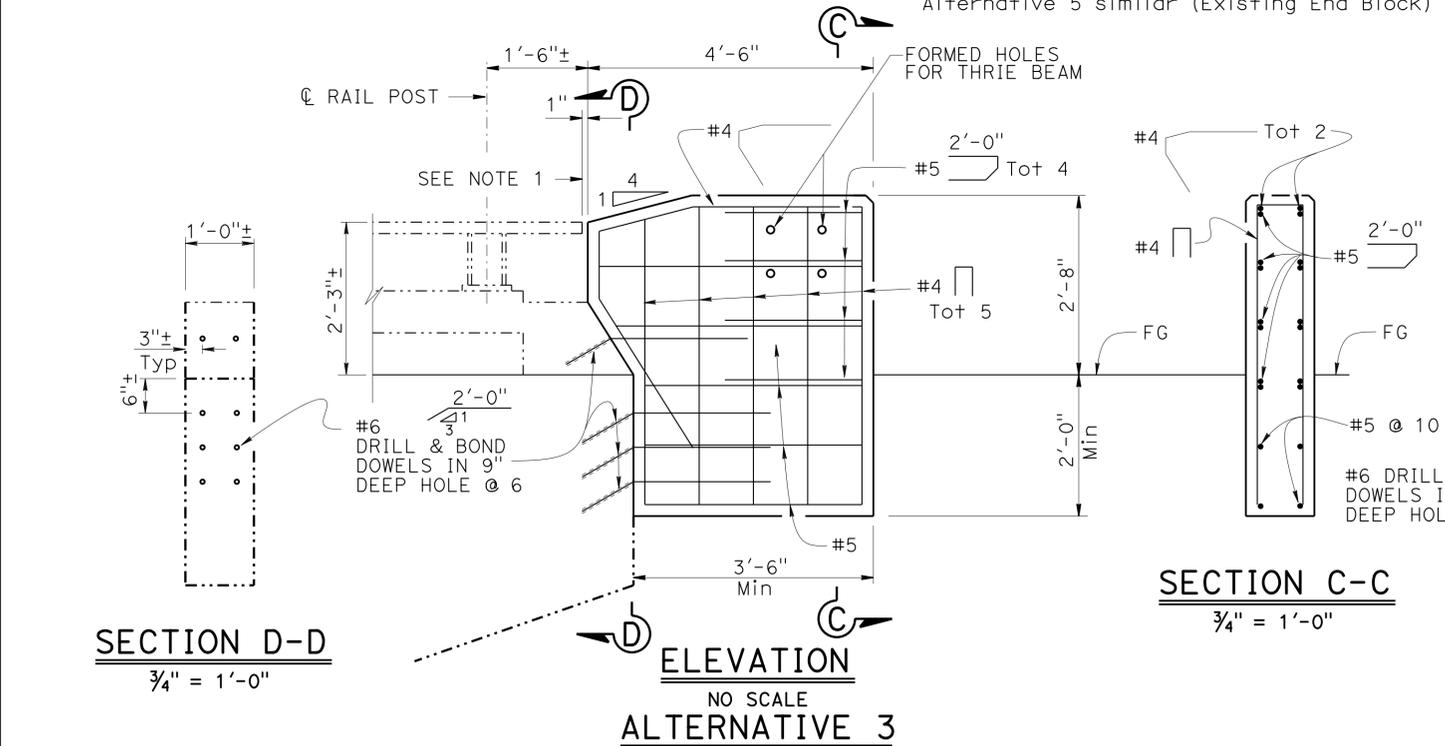
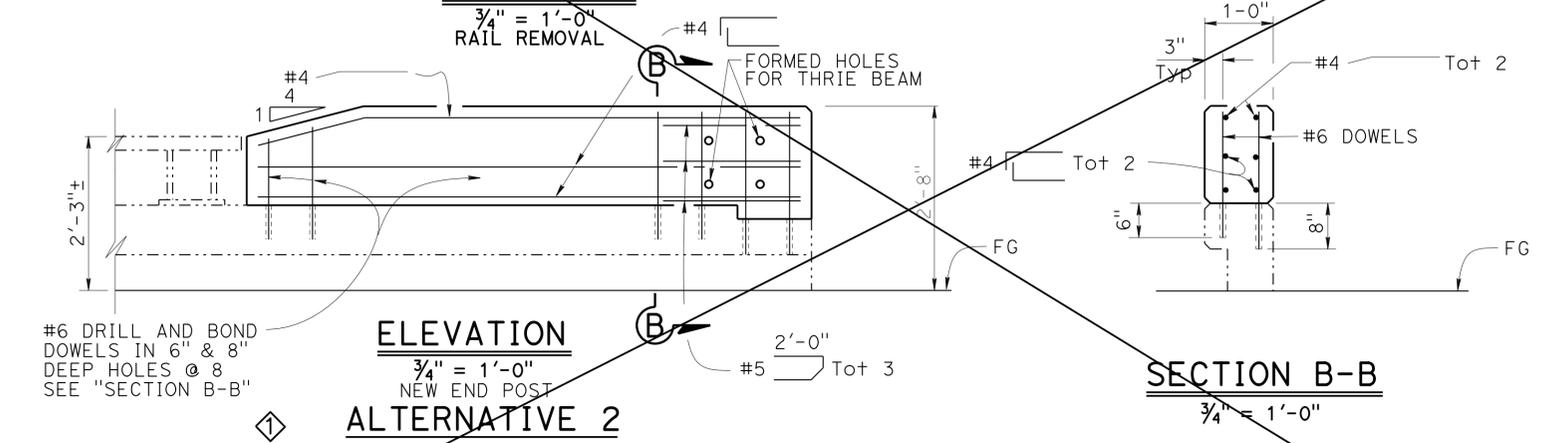
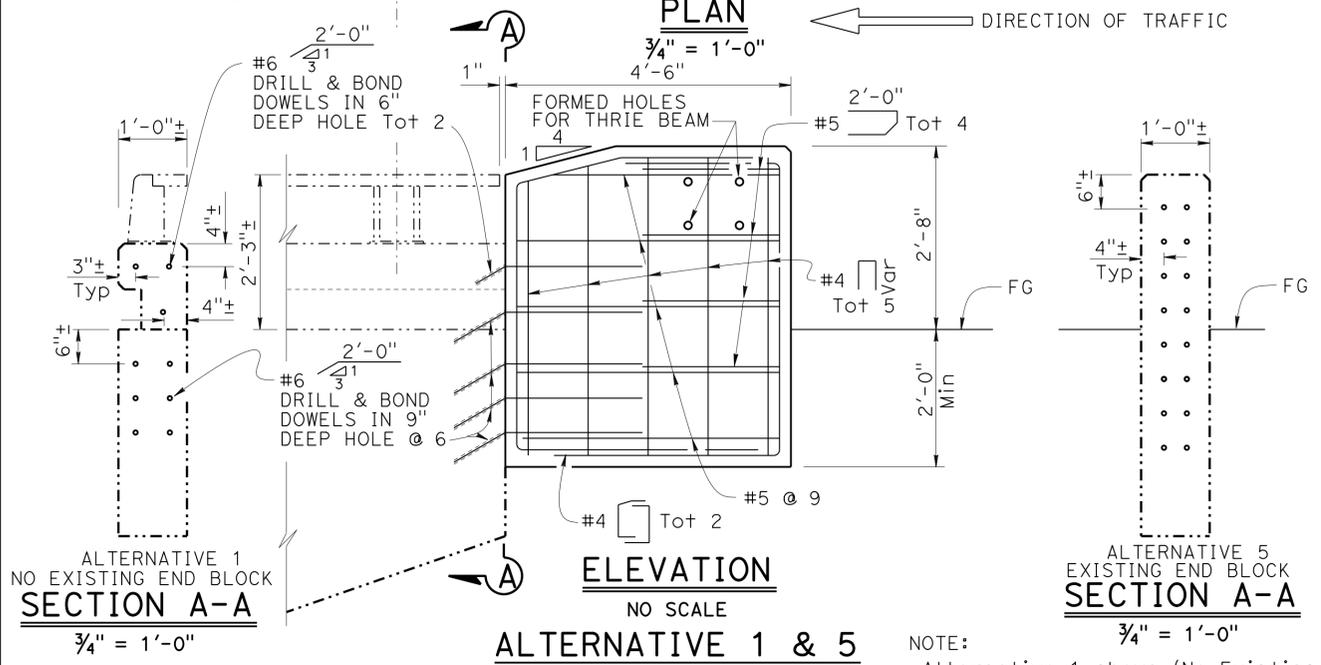
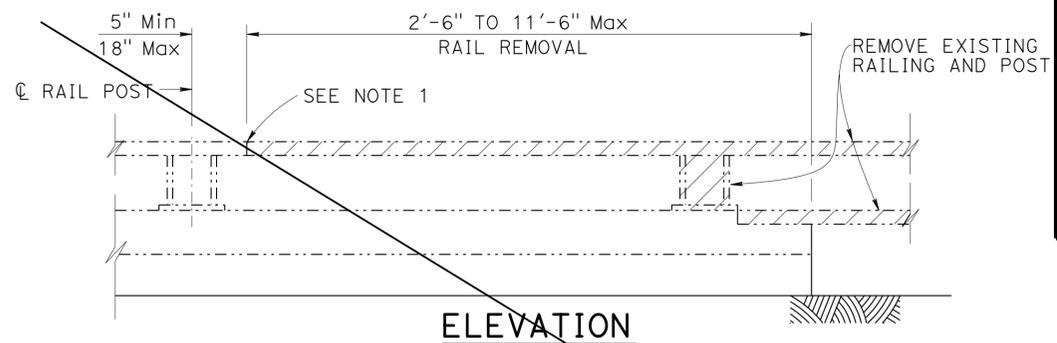
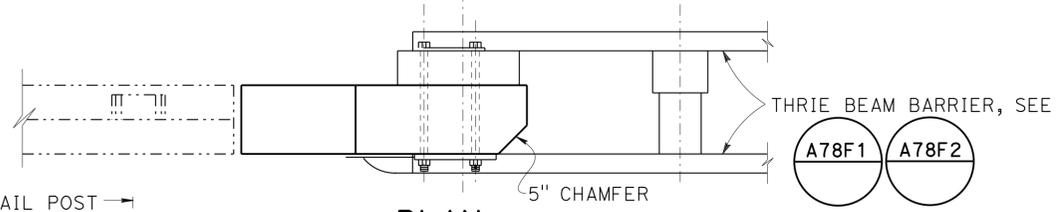
DESIGN BY Leon Valla CHECKED J. Wang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 12	BRIDGE NO.	STRUCTURE APPROACH SLAB AND MEDIAN BARRIER REPLACEMENT		
			VARIES	MISCELLANEOUS DETAILS		
			POST MILE		VARIES	
DETAILS BY Tony Cooton CHECKED Leon Valla	QUANTITIES BY Leon Valla CHECKED J. Klieby	UNIT: 3606 PROJECT NUMBER & PHASE: 0700020957	CONTRACT NO.: 07-288011	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 12-14-12 01-15-13 02-27-13 11-28-12	SHEET 7 OF 9

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FILE => 07-288011-s-str_sctndd30d.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	348	349
			3-12-13	DATE	
REGISTERED CIVIL ENGINEER			DATE		
4-22-13			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.					
					



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

REVISED STANDARD DRAWING	
FILE NO. xs16-030	APPROVAL DATE July 2010

Detail does not apply

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

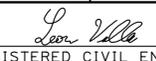
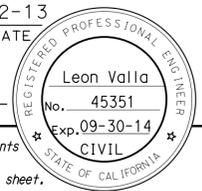
DIVISION OF ENGINEERING SERVICES

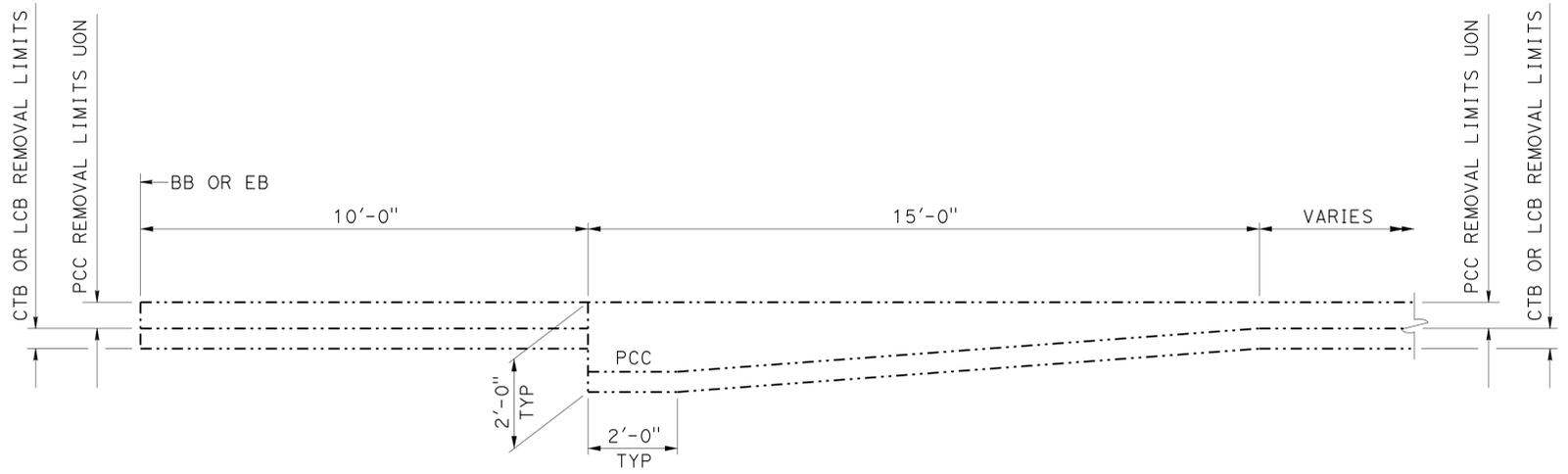
BRIDGE NO. VARIES

STRUCTURE APPROACH AND MEDIAN BARRIER REPLACEMENT

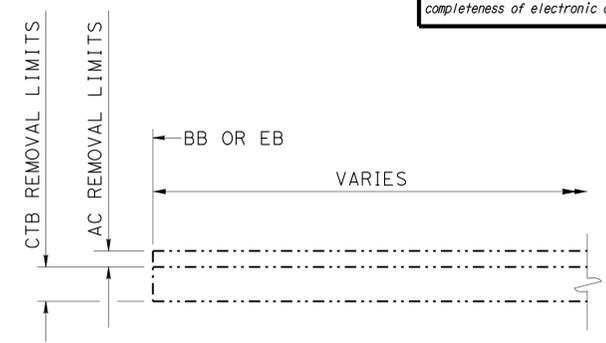
POST MILE VARIES

CONCRETE BARRIER TRANSITION BLOCK DETAILS

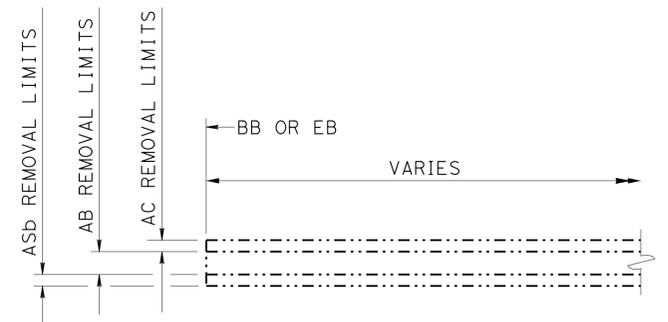
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R9.7/R16.1	349	349
			3-12-13	DATE	
REGISTERED CIVIL ENGINEER			DATE		
4-22-13			PLANS APPROVAL DATE		
					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



EXISTING ROADWAY LONGITUDINAL SECTION AT REMOVAL LOCATIONS (A) AND (B)
 $\frac{1}{2}'' = 1'-0''$



EXISTING ROADWAY LONGITUDINAL SECTION AT REMOVAL LOCATION (E)
 $\frac{1}{2}'' = 1'-0''$



EXISTING ROADWAY LONGITUDINAL SECTION AT REMOVAL LOCATIONS (C) AND (D)
 $\frac{1}{2}'' = 1'-0''$

LEGEND:
PCC = Portland cement concrete pavement
CTB = Cement treated base
LCB = Lean concrete base
AC = Asphalt concrete type B pavement, typ
AB = Aggregate base
ASb = Aggregate subbase

LIMITS OF EXISTING ROADWAY REMOVAL LONGITUDINAL SECTIONS					
BRIDGE NUMBER	LOCATION (A)	LOCATION (B)	LOCATION (C)	LOCATION (D)	LOCATION (E)
53-2251 AND 53-2246	PCC=0.65'± CTB=0.45'±	PCC=0.70'± CTB=0.45'±	AC=0.25'± AB=0.50'± ASb=0.25'±	AC=0.20'± AB=0.45'± ASb=0.35'±	AC=0.35'± CTB=0.75'±
53-2562 AND 53-2249	PCC=0.73'± CTB=0.40'±	PCC=0.80'± CTB=0.40'±	AC=0.25'± AB=0.50'± ASb=0.25'±	AC=0.20'± AB=0.45'± ASb=0.35'±	
53-2187 AND 53-2306	PCC=0.65'± CTB=0.45'±	PCC=0.70'± CTB=0.45'±	AC=0.25'± AB=0.50'± ASb=0.25'±	AC=0.20'± AB=0.45'± ASb=0.35'±	AC=0.35'± CTB=0.75'±
53-2322 AND 53-2221 AND 53-2282	PCC=0.60'± CTB=0.45'±	PCC=0.65'± CTB=0.45'±	AC=0.30'± AB=0.50'± ASb=0.20'±	AC=0.25'± AB=0.40'± ASb=0.35'±	AC=0.35'± CTB=0.75'±

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

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">DESIGN</td> <td style="width: 30%;">BY Leon Valla</td> <td style="width: 30%;">CHECKED J. Wang</td> </tr> <tr> <td>DETAILS</td> <td>BY Tony Cooton</td> <td>CHECKED Leon Valla</td> </tr> <tr> <td>QUANTITIES</td> <td>BY Leon Valla</td> <td>CHECKED J. Klieby</td> </tr> </table>	DESIGN	BY Leon Valla	CHECKED J. Wang	DETAILS	BY Tony Cooton	CHECKED Leon Valla	QUANTITIES	BY Leon Valla	CHECKED J. Klieby	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 12	BRIDGE NO. VARIES POST MILE VARIES	STRUCTURE APPROACH SLAB AND MEDIAN BARRIER REPLACEMENT EXISTING ROADWAY REMOVAL	
DESIGN	BY Leon Valla	CHECKED J. Wang												
DETAILS	BY Tony Cooton	CHECKED Leon Valla												
QUANTITIES	BY Leon Valla	CHECKED J. Klieby												
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3606 PROJECT NUMBER & PHASE: 0700020957	CONTRACT NO.: 07-288011	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">REVISION DATES</th> <th>SHEET</th> <th>OF</th> </tr> <tr> <td>02-29-13</td> <td></td> <td style="text-align: center;">9</td> <td style="text-align: center;">9</td> </tr> </table>	REVISION DATES		SHEET	OF	02-29-13		9	9
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