Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	1	22

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION
3-11	LAYOUT
12	CONSTRUCTION DETAILS
13	CONSTRUCTION AREA SIGNS
14-17	PAVEMENT DELINEATION QUANTITIES
18	SUMMARY OF QUANTITIES
19-22	NEW OR REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

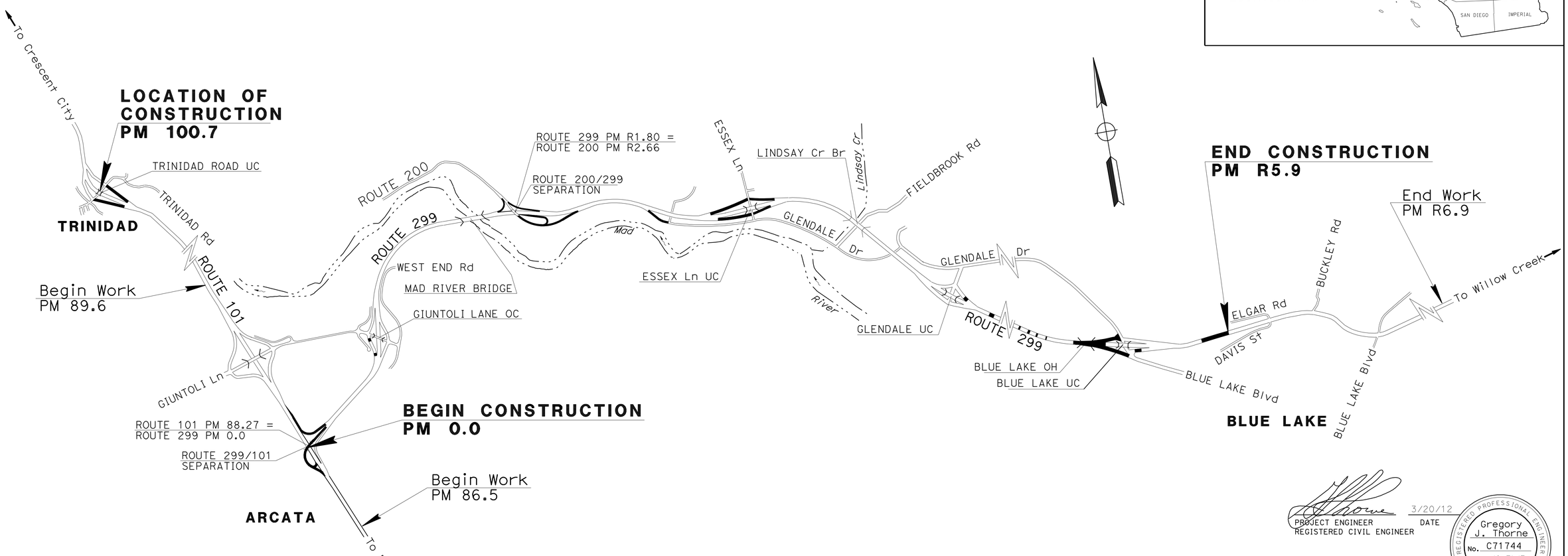
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN HUMBOLDT COUNTY IN TRINIDAD ON ROUTE 101 AT TRINIDAD ROAD UNDERCROSSING AND NEAR ARCATA ON ROUTE 299 FROM ROUTE 101/299 SEPARATION TO 0.5 MILE EAST OF BLUE LAKE UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



PROJECT MANAGER: Royal B. McCarthy

DESIGN ENGINEER: Royal B. McCarthy

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

NO SCALE

PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE 3/20/12

REGISTERED PROFESSIONAL ENGINEER — Gregory J. Thorne — No. C71744 — Exp. 12-31-13 — CIVIL — STATE OF CALIFORNIA

March 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.

CONTRACT No.	01-0A2004
PROJECT ID	0100020025

LAST REVISION 00-00-00 — DATE PLOTTED => 21-MAR-2012 — TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	2	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 CIVIL STATE OF CALIFORNIA

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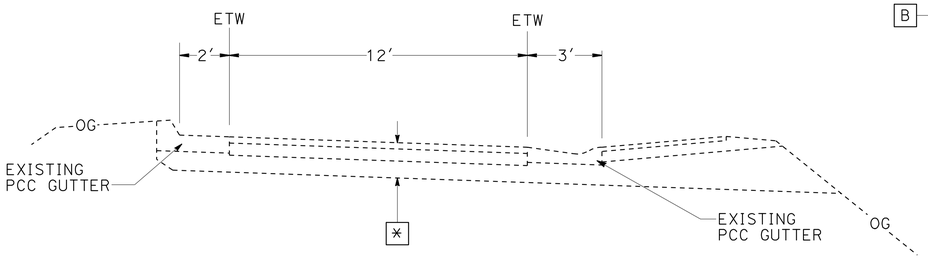
NOTES

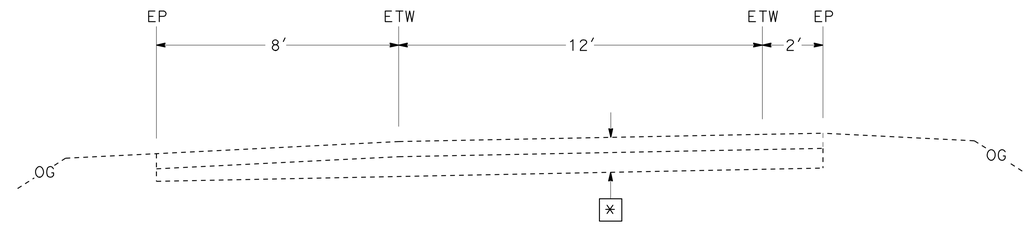
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE SHEETS.

EXISTING STRUCTURAL SECTIONS

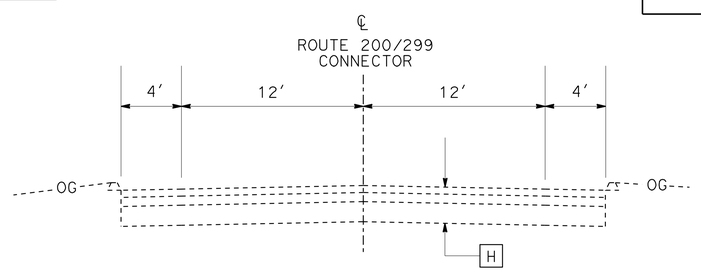
A: 0.25′ AC, 0.50′ CTB, 1.00′ AS
B: 0.25′ AC, 1.00′ CTB, 1.00′ AS
C: 0.70′ AC, 0.85′ CTB, 0.82′ AB
D: 0.16′ OGAC, 0.25′ AC, 0.67′ AB
E: 0.08′ BWC, 0.16′ OGAC, 0.25′ AC, 0.67′ AB
F: 0.53′ AC, 0.66′ CTB, 0.33′ AB, 1.00′ AS
G: 0.53′ AC, 0.99′ AB, 1.00′ AS
H: 0.42′ AC, 0.50′ CTB, 1.00′ AS



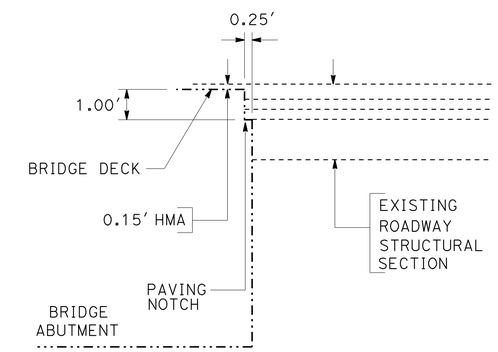
LOCATION	DESCRIPTION	*
16,17,20,21	ROUTE 200/299 CONNECTORS	A
23	GLENDALE DRIVE RAMP	A
26-33	ESSEX LANE RAMPS	A
34-36	GLENDALE LANE RAMPS	A
44,49,52,54,55	BLUE LAKE RAMPS	B



LOCATION	DESCRIPTION	*
5-9,12,13	ROUTE 101/299 CONNECTORS	F
14,15	GIUNTOLI LANE RAMPS	C
1,3	TRINIDAD SB ON-RAMP	D
2,4	TRINIDAD NB OFF-RAMP	E

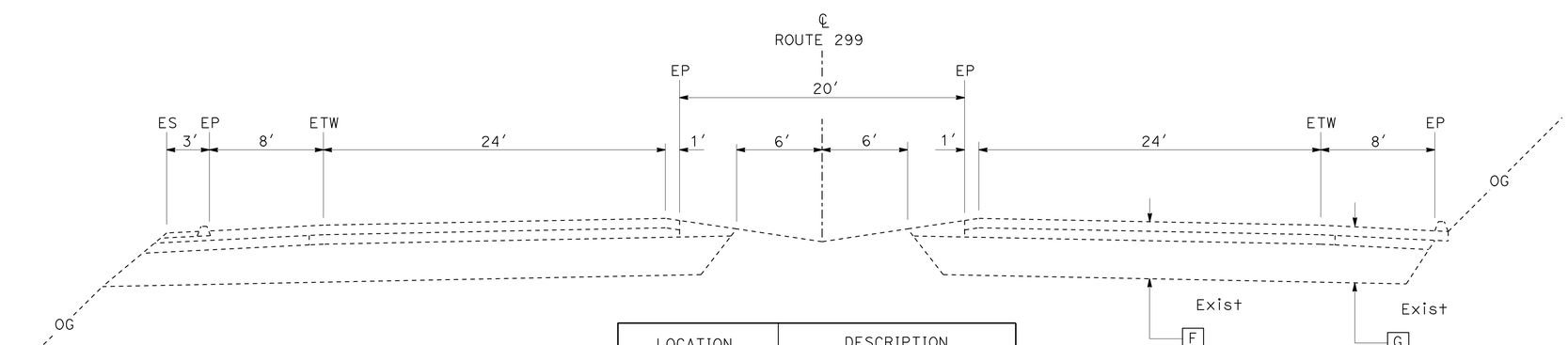


LOCATION	DESCRIPTION
18,19	ROUTE 200/299 CONNECTOR



EXISTING STRUCTURAL SECTION AT STRUCTURE DETAIL

BB 101/299 SEPARATION
EB 101/299 SEPARATION
EB 200/299 SEPARATION
BB BLUE LAKE OVERHEAD
EB BLUE LAKE OVERHEAD



LOCATION	DESCRIPTION
22,24,25,37-43, 45,50,51,53, 56,57	ROUTE 299

TYPICAL CROSS SECTIONS X-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 21-MAR-2012 | TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	3	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 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.

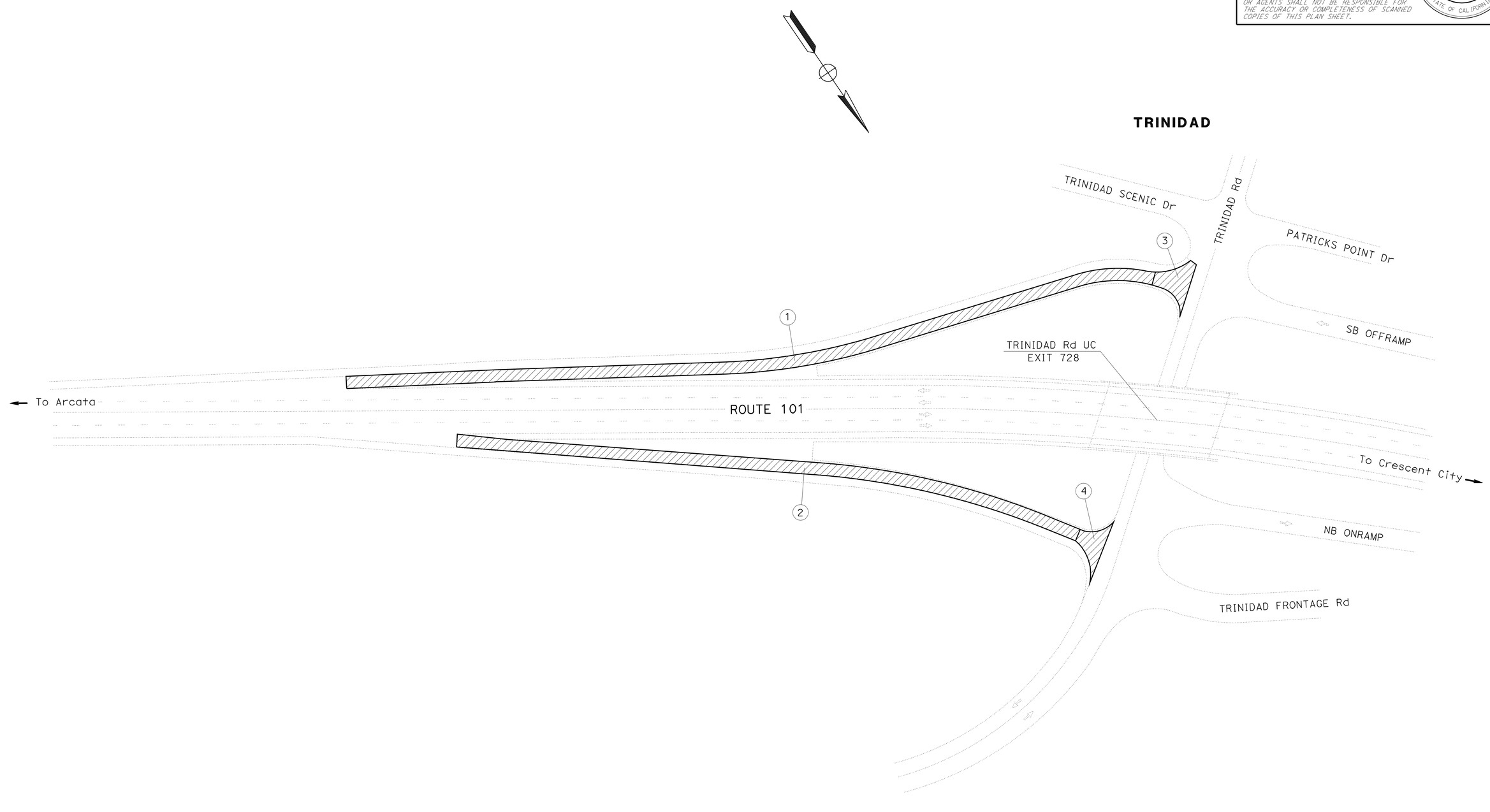
NOTE

1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLAN SHEETS.

LEGEND

REPLACE AC SURFACING

(#) LOCATION NUMBER



NO SCALE

LAYOUT L-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne

FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 21-MAR-2012 | TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	4	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

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Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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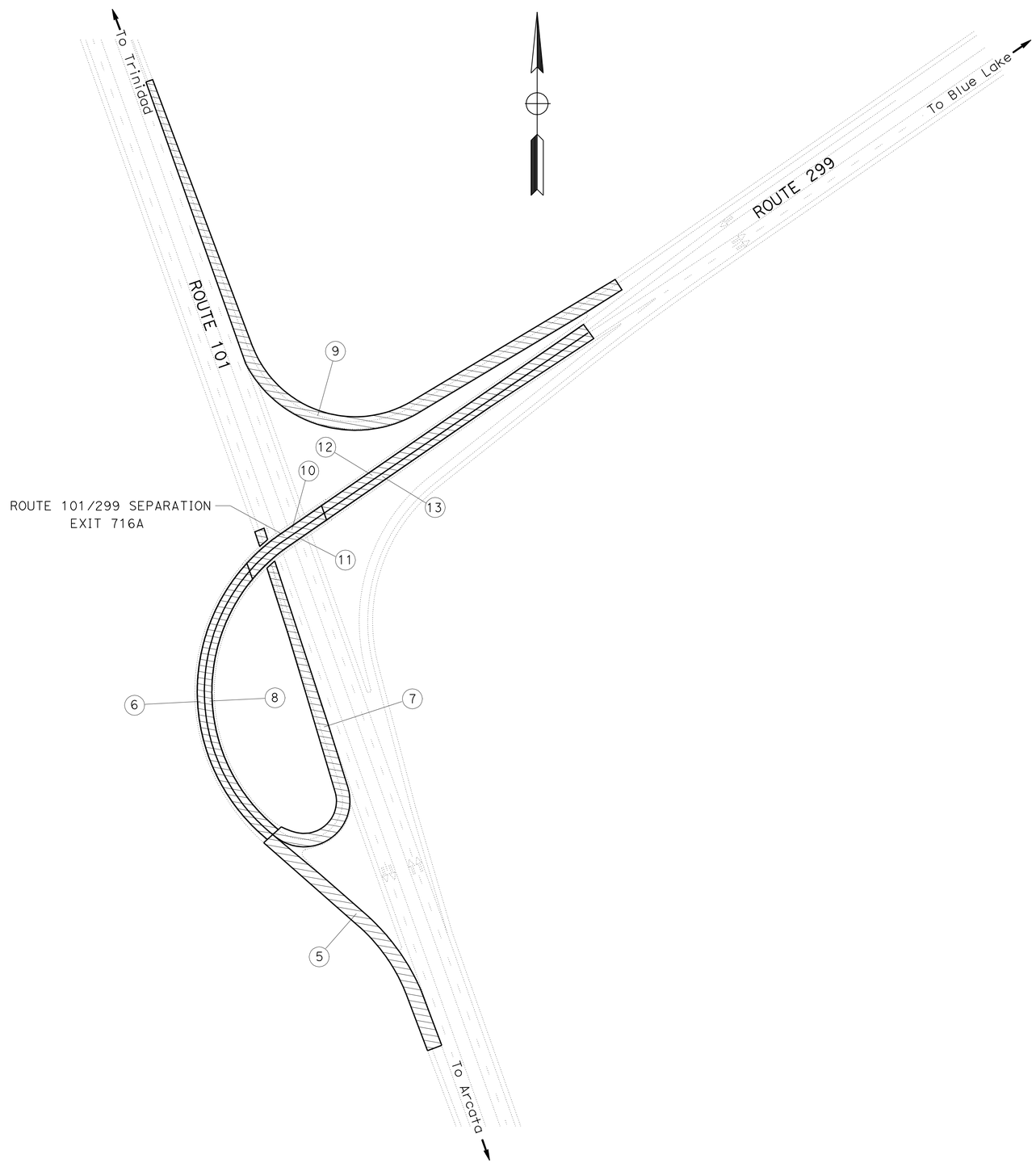

NO SCALE

LAYOUT L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	5	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

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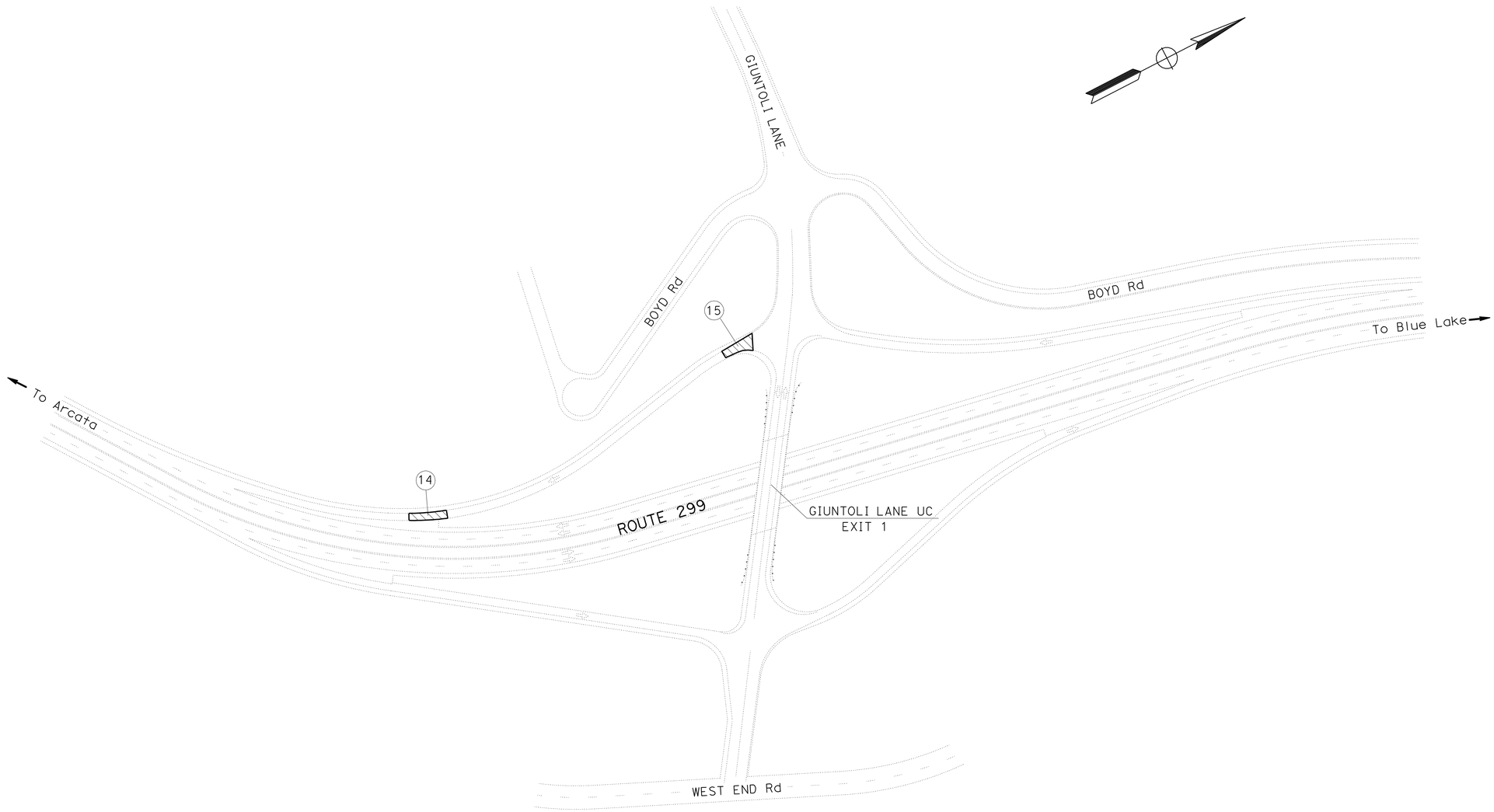
Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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.



NO SCALE

LAYOUT L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	6	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

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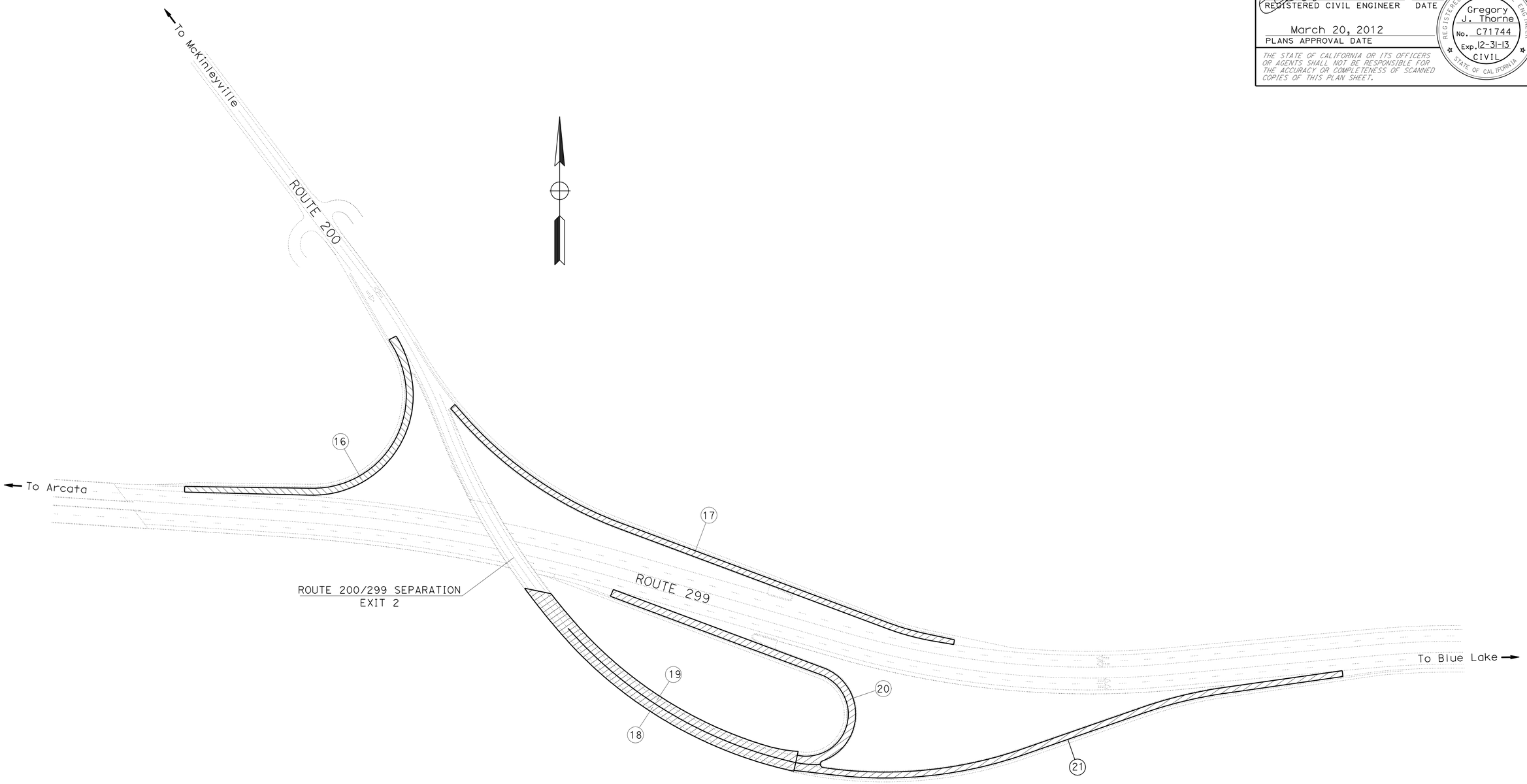
Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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.



LAYOUT L-4

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	7	22

REGISTERED CIVIL ENGINEER — DATE 3/20/12

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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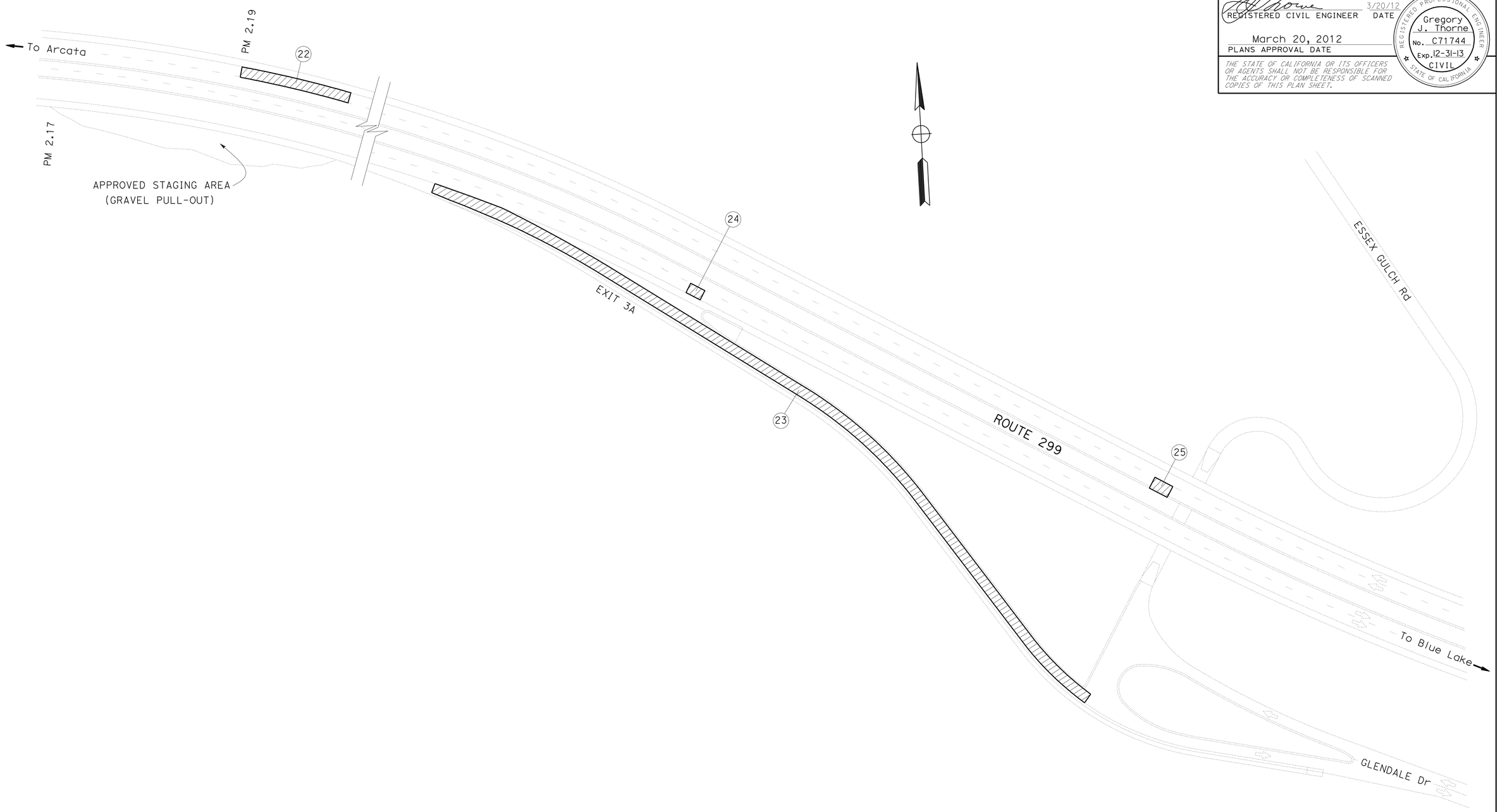

LAYOUT L-5

NO SCALE

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
Greg Thorne	Greg Thorne

FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 21-MAR-2012 | TIME PLOTTED => 07:57

BORDER LAST REVISED 7/2/2010 | USERNAME => s121671 | DGN FILE => 10a200ea005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0052 | PROJECT NUMBER & PHASE 01000200251

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	8	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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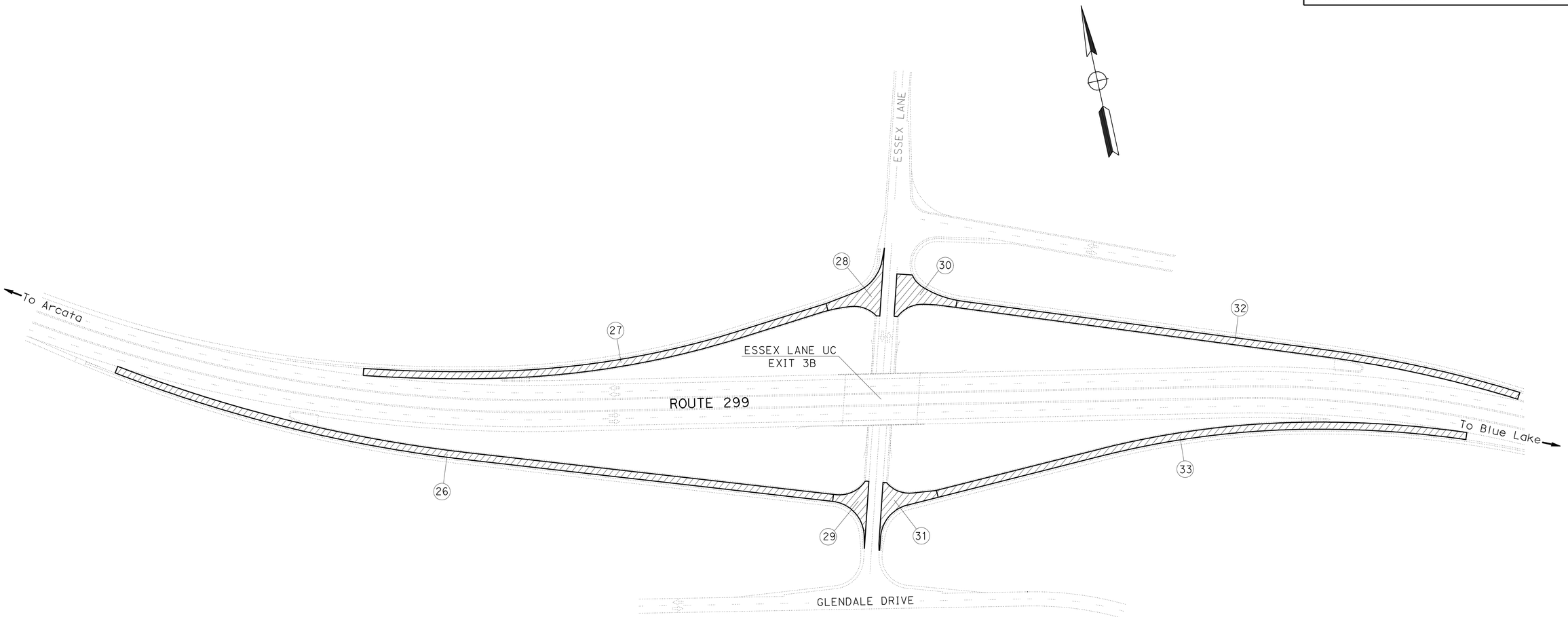


LAYOUT L-6

NO SCALE

REVISED BY	Greg Thorne
DATE REVISED	Greg Thorne
CALCULATED-DESIGNED BY	Royal B. McCarthy
CHECKED BY	
FUNCTIONAL SUPERVISOR	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

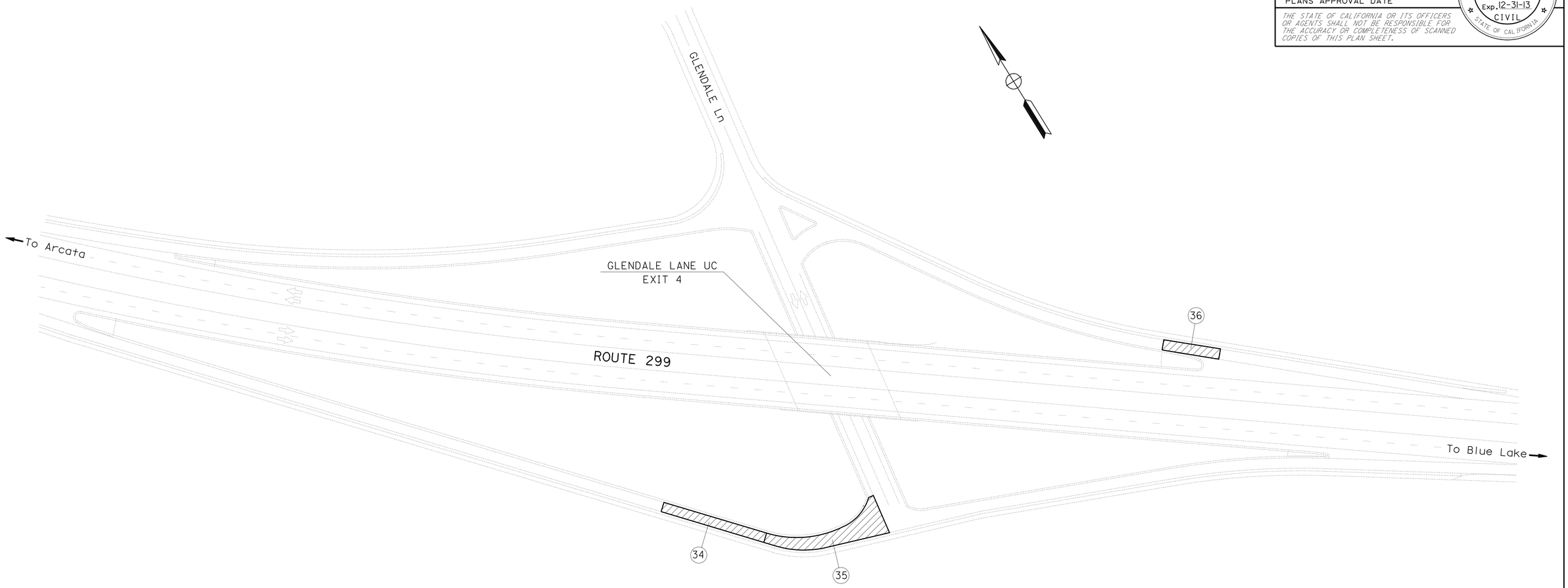
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	9	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gregory J. Thorne
No. C71744
Exp. 12-31-13
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.



LAYOUT L-7

NO SCALE

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
Greg Thorne	Greg Thorne

FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	10	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

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Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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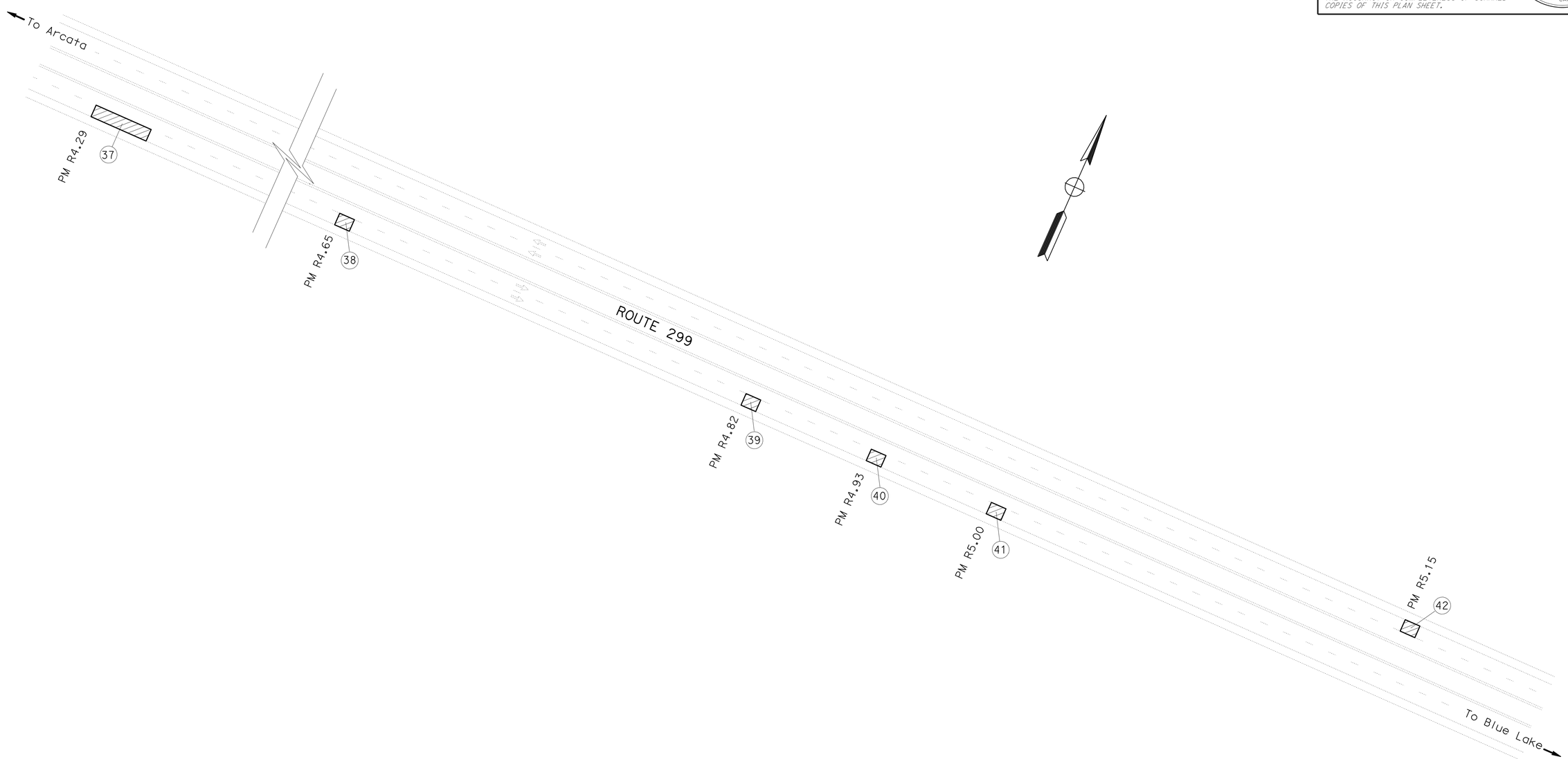

NO SCALE

LAYOUT L-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	11	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

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Gregory J. Thorne
No. C71744
Exp. 12-31-13
CIVIL
STATE OF CALIFORNIA

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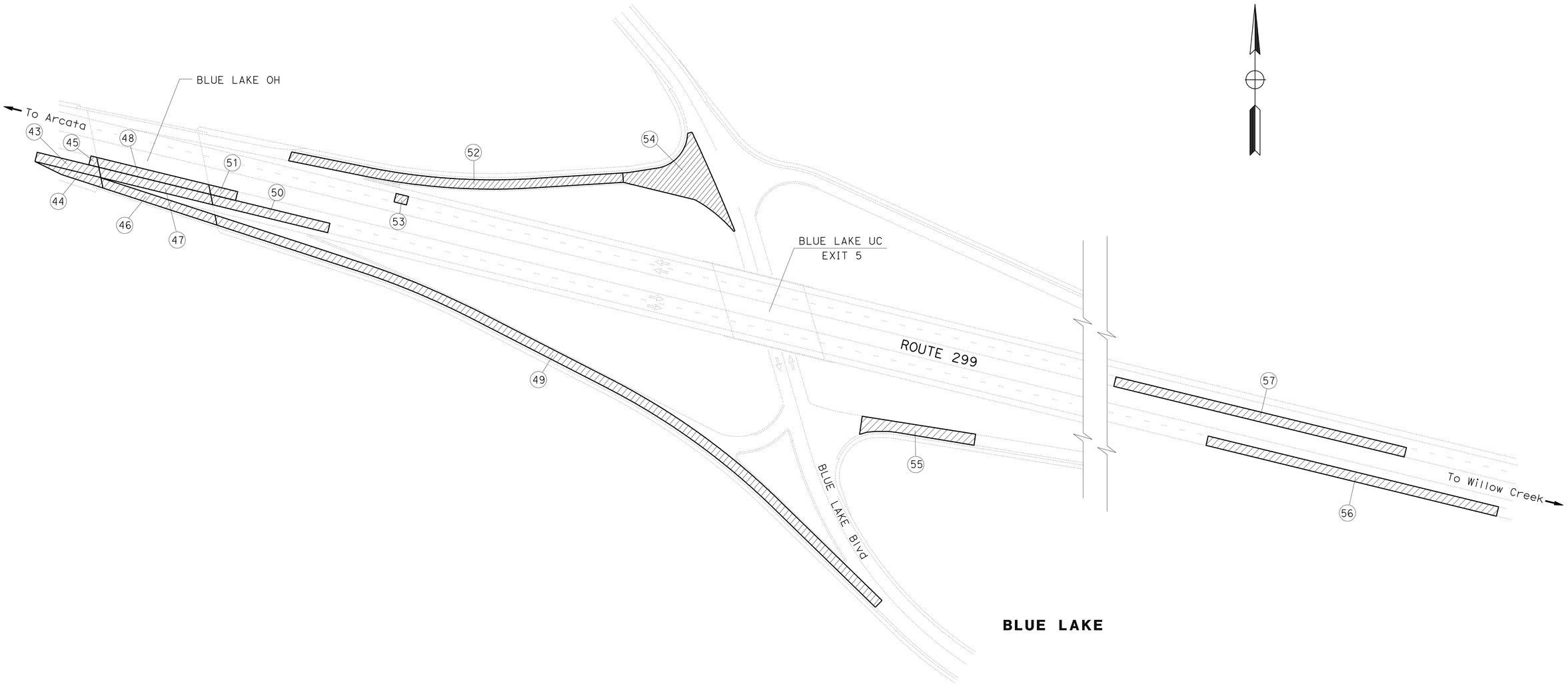

LAYOUT L-9

NO SCALE

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
Greg Thorne	Greg Thorne

FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans®

DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 21-MAR-2012 | TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	12	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 CIVIL STATE OF CALIFORNIA

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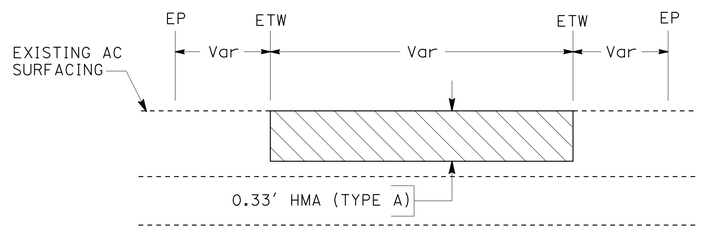
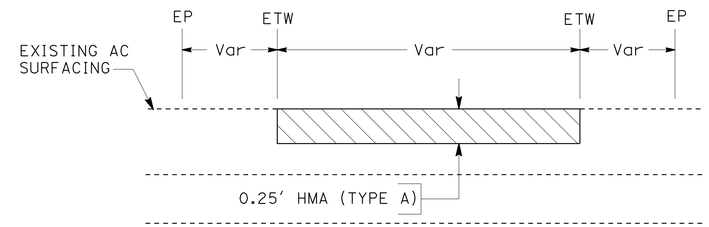
NOTE

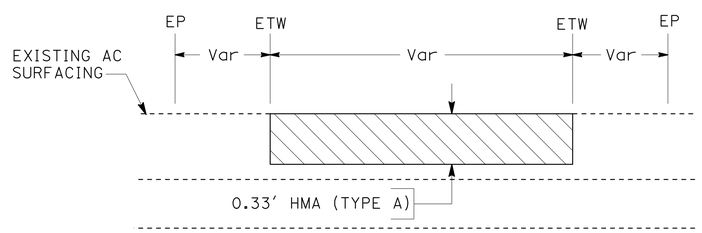
1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE SHEETS.



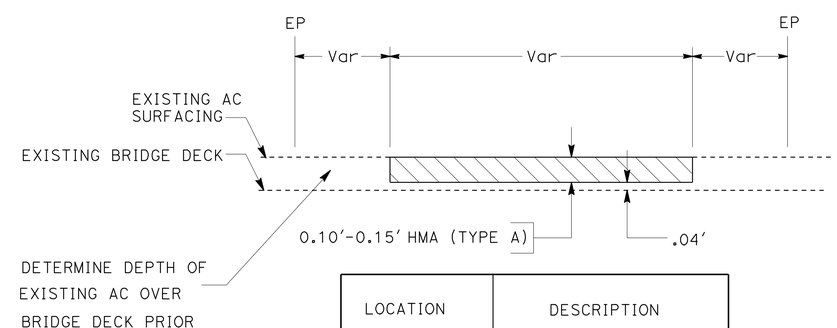
LOCATION	DESCRIPTION
1-4	TRINIDAD Rd RAMPS
5-9,12,13	101/299 CONNECTORS
14,15	GIUNTOLI LANE RAMPS



LOCATION	DESCRIPTION
16,17-21	ROUTE 200/299 CONNECTORS
23	GLENDALE DRIVE RAMP
26-33	ESSEX LANE RAMPS
34-36	GLENDALE LANE RAMPS
44,49,52,54,55	BLUE LAKE RAMPS



LOCATION	DESCRIPTION
12,13,22,24, 25,37-43,45 50,51,53,56,57	ROUTE 299



LOCATION	DESCRIPTION
10,11	101/299 SEPARATION
46-48	BLUE LAKE OVERHEAD

REPLACE AC SURFACING

CONSTRUCTION DETAILS
C-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	13	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 CIVIL STATE OF CALIFORNIA

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	No.OF POSTS AND SIZE	No.OF SIGNS
A	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144"x60"	2 - 6"x8"	3
B	G20-1	ROAD WORK NEXT 7 MILES	90"X48"	2 - 6"x6"	2
	C23B(CA)	RESURFACING	72"x24"		
C	W20-1	ROAD WORK AHEAD	48"X48"	1 - 6"x6"	3
	C23B(CA)	RESURFACING	60"x18"		
D	W20-1	ROAD WORK AHEAD	36"x36"	1 - 4"x6"	12
E	W11-1	BICYCLE SYMBOL	48"X48"	1 - 6"x6"	3
	W16-1	SHARE THE ROAD	24"X30"		
F	G20-2	END ROAD WORK	48"x24"	1 - 4"x6"	3

C23B(CA)
60"x18"
6" CAPS
BLACK/ORANGE

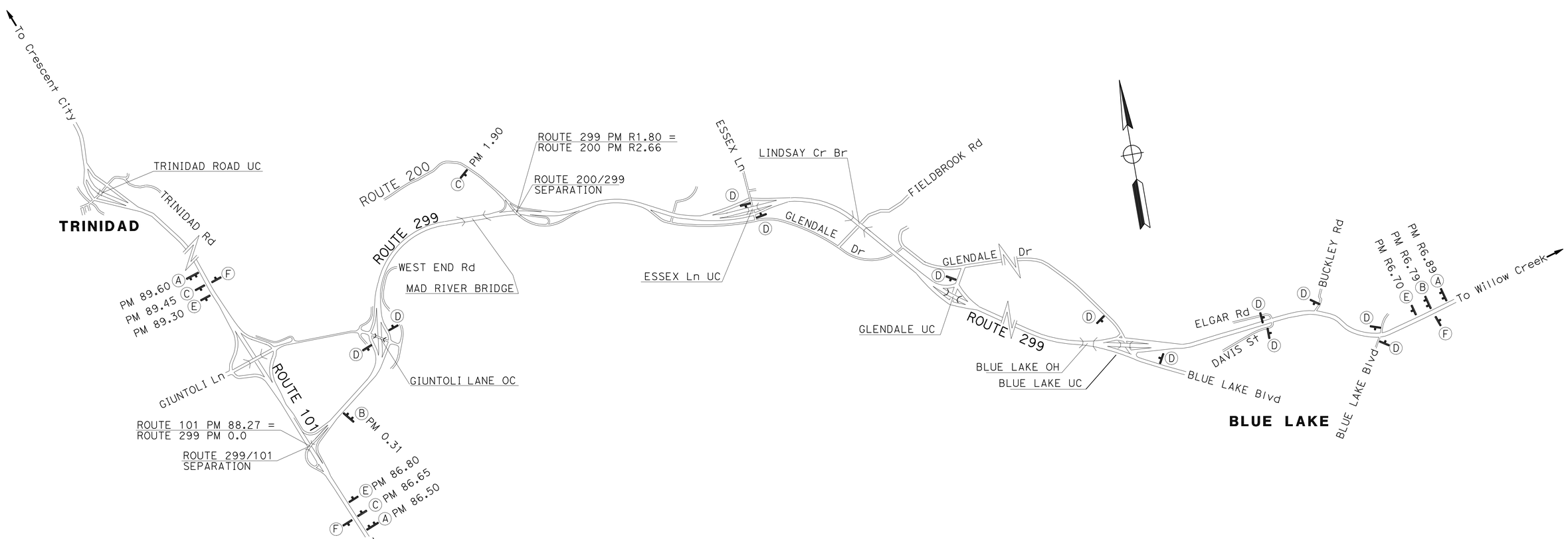
RESURFACING

C23B(CA)
72"x24"
8" CAPS
BLACK/ORANGE

RESURFACING

NOTES

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	14	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 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.

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION				DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER			
						4" WHITE		8"	4"	4"	NON-REFLECTIVE	RETROREFLECTIVE		
								SOLID			TYPE A WHITE	TYPE G CLEAR	TYPE H YELLOW	TYPE D YELLOW
LOCATION NUMBER	ROUTE	FROM PM	TO PM			(BROKEN 36-12)	(BROKEN 17-7)	WHITE	YELLOW	WHITE		(ONE WAY)		(TWO WAY)
					LF						EA			
1	101	100.55	100.68	27B	490					490				
1	101	100.59	100.62	9	165		165					4		
1	101	100.62	100.64	36	110			110				10		
1	101	100.64	100.68	25A	370				370				16	
2	101	100.57	100.62	36A	275			275				12		
2	101	100.58	100.68	27B	675					675				
2	101	100.62	100.68	25A	250				250				11	
3	101	100.68	100.70	27B	60					60				
3	101	100.68	100.70	25A	60				60				4	
4	101	100.68	100.70	27B	45					45				
4	101	100.68	100.70	25A	45				45				3	
5	299	0.00		9	80		80					3		
5	299	0.00		27B	800					800				
5	299	0.00		36A	230			230				11		
5	299	0.00		25A	280				280				13	
6	299	0.00		27B	545					545				
6	299	0.00		22	535				1070					47
7	299	0.00		27B	560					560				
7	299	0.00		36	220			220				19		
7	299	0.00		25A	140				140				7	
8	299	0.00		27B	525					525				
9	299	0.00		27B	1380					1380				
9	299	0.00		25A	625				625				27	
9	299	0.00		36A	390			390				17		
10	299	0.00	0.30	27B	155					155				
10	299	0.00	0.30	22	155				310					15
11	299	0.00	0.30	27B	155					155				
12	299	0.03	0.11	27B	425					425				
12	299	0.03	0.10	22	350				700					31
12	299	0.10	0.16	29	300				600					14
12	299	0.11	0.16	36	250			250				22		
13	299	0.03	0.14	27B	580					580				
13	299	0.03	0.10	22	370				740					33
13	299	0.10	0.16	29	320				640					14
14	299	0.60	0.64	27B	220					220				
14	299	0.60	0.64	36A	220			220				10	1	
15	299	0.70	0.73	27B	150					150				
15	299	0.70	0.73	25A	150				150				7	
16	299	R1.71	R1.80	27B	680					680				
16	299	R1.71	R1.72	9	80		80					3		
16	299	R1.72	R1.74	36A	115			115				6		
16	299	R1.74	R1.79	25A	340				340				15	
16	299	R1.79	R1.80	36	165			165				15		
17	299	R1.82	R1.93	27B	1120					1120				
17	299	R1.82	R1.91	25A	760				760				33	
17	299	R1.82	R1.82	36A	24			24				2		
17	299	R1.91	R1.93	36	290			290				25		
					SUBTOTAL	0	325	2289	7080	8565	0	159	137	154

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

PAVEMENT DELINEATION QUANTITIES
PDQ-1

LAST REVISION 00-00-00 | DATE PLOTTED => 21-MAR-2012 | TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	15	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 CIVIL STATE OF CALIFORNIA

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TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION				DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER			
						4" WHITE		8"	4"	4"	NON-REFLECTIVE	RETROREFLECTIVE		
								SOLID			TYPE A WHITE	TYPE G CLEAR	TYPE H YELLOW	TYPE D YELLOW
LOCATION NUMBER	ROUTE	FROM PM	TO PM			(BROKEN 36-12)	(BROKEN 17-7)	WHITE	YELLOW	WHITE		(ONE WAY)		(TWO WAY)
					LF						EA			
18	299	R1.82	R1.91	27B	680					680				
18	299	R1.82	R1.91	22	670				1340					58
19	299	R1.82	R1.91	27B	660					660				
20	299	R1.82	R1.93	27B	690					690				
20	299	R1.82	R1.87	36	272			272				24		
20	299	R1.87	R1.93	25A	435				435				19	
21	299	R1.91	R2.12	27B	1125					1125				
21	299	R1.91	R2.08	25A	880				880				38	
21	299	R2.08	R2.1	36A	100			100				5		
21	299	R2.10	R2.12	9	95		95					3		
22	299	R2.19	R2.32	27B	640					640				
22	299	R2.19	R2.32	12&13	640	640					53	14		
23	299	R2.32	R2.49	27B	1200					1200				
23	299	R2.32	R2.37	36	305			305				26		
23	299	R2.37	R2.49	25A	610				610				26	
24	299	R2.37	R2.38	12&13	70	70					6	2		
24	299	R2.37	R2.38	36	70			70				7		
25	299	R2.44	R2.45	25	80				80				3	
25	299	R2.44	R2.45	12&13	80	80					7	3		
26	299	R2.47	R2.52	36	291			291				25		
26	299	R2.52	R2.91	25A	911				911				39	
26	299	R2.67	R2.91	27B	1225					1225				
27	299	R2.77	R2.92	27B	885					885				
27	299	R2.78	R2.80	9	115		115					3		
27	299	R2.80	R2.82	36A	90			90				5		
27	299	R2.82	R2.90	25A	560				560				24	
28	299	R2.91	R2.93	27B	155					155				
28	299	R2.91	R2.93	25A	125				125				6	
29	299	R2.92	R2.93	27B	102					102				
29	299	R2.92	R2.93	25A	80				80				4	
30	299	R2.96	R2.97	27B	90					90				
30	299	R2.96	R2.97	25A	85				85				5	
31	299	R2.96	R2.97	27B	150					150				
31	299	R2.96	R2.97	25A	90				90				5	
32	299	R2.97	R3.19	27B	1180					1180				
32	299	R2.97	R3.11	25A	760				760				33	
32	299	R3.11	R3.16	36	262			262				23		
33	299	R2.97	R3.22	27B	1400					1400				
33	299	R2.97	R3.07	25A	530				530				23	
33	299	R3.07	R3.09	36A	175			175				8		
33	299	R3.09	R3.11	9	100		100					3		
34	299	R3.97	R4.01	27B	210					210				
34	299	R3.97	R4.01	25A	210				210				10	
35	299	R4.01	R4.03	27B	140					140				
35	299	R4.01	R4.03	25A	110				110				6	
36	299	R4.12	R4.15	27B	145					145				
36	299	R4.12	R4.13	25A	70				70				4	
36	299	R4.13	R4.15	36	85			85				8		
					SUBTOTAL	790	310	1650	6876	10677	66	159	245	58

PAVEMENT DELINEATION QUANTITIES
PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	16	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

March 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gregory J. Thorne No. C71744 Exp. 12-31-13 CIVIL STATE OF CALIFORNIA

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TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION				DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER			
						4" WHITE		8"	4"	4"	NON-REFLECTIVE	RETROREFLECTIVE		
								SOLID			TYPE A WHITE	TYPE G CLEAR	TYPE H YELLOW	TYPE D YELLOW
LOCATION NUMBER	ROUTE	FROM PM	TO PM			(BROKEN 36-12)	(BROKEN 17-7)	WHITE	YELLOW	WHITE		(ONE WAY)		(TWO WAY)
					LF						EA			
37	299	R4.29	R4.32	27B	170					170				
37	299	R4.29	R4.32	25A	170				170				8	
38	299	R4.65	R4.66	27B	50					50				
38	299	R4.65	R4.66	25A	50				50				3	
39	299	R4.82	R4.83	27B	50					50				
39	299	R4.82	R4.83	25A	50				50				3	
40	299	R4.93	R4.94	27B	50					50				
40	299	R4.93	R4.94	25A	50				50				3	
41	299	R5.00	R5.01	27B	50					50				
41	299	R5.00	R5.01	25A	50				50				3	
42	299	R5.15	R5.16	27B	50					50				
42	299	R5.15	R5.16	25A	50				50				3	
43	299	R5.23	R5.29	25A	310				310				14	
44	299	R5.23	R5.29	27B	310					310				
45	299	R5.28	R5.29	25	60				60				2	
46	299	R5.29	R5.32	27B	148					148				
46	299	R5.31	R5.32	36	65			65				6		
47	299	R5.29	R5.32	12&13	148	148					12	4		
47	299	R5.29	R5.32	36	148			148				13		
48	299	R5.29	R5.32	25	148				148				4	
49	299	R5.32	R5.51	27B	1040					1040				
49	299	R5.32	R5.35	36	139			139				13		
49	299	R5.35	R5.46	25A	580				580				25	
49	299	R5.46	R5.47	36	46			46				5		
49	299	R5.47	R5.50	25A	185				185				9	
50	299	R5.32	R5.34	36	147			147				13		
50	299	R5.32	R5.34	12&13	135	135					11	4		
51	299	R5.32	R5.34	25	60				60				2	
52	299	R5.33	R5.45	27B	525					525				
52	299	R5.34	R5.36	9	75		75					3		
52	299	R5.36	R5.38	36A	78			78				4		
52	299	R5.38	R5.45	25A	340				340				15	
53	299	R5.37	R5.39	27B	95					95				
53	299	R5.37	R5.39	12&13	95	95					8	3		
54	299	R5.45	R5.48	27B	678					678				
54	299	R5.45	R5.48	25A	163				163				8	
55	299	R5.50	R5.56	27B	330					330				
55	299	R5.50	R5.56	25A	330				330				15	
56	299	R5.67	R5.84	12&13	910	910					76	20		
56	299	R5.67	R5.68	36	75			75				7		
56	299	R5.70	R5.92	27B	1170					1170				
56	299	R5.88	R5.92	22	230				460					21
57	299	R5.72	R5.92	27B	1120					1120				
57	299	R5.72	R5.92	12&13	1120	1120					93	24		
SUBTOTAL PDQ-1						0	325	2289	7080	8565	0	159	137	154
SUBTOTAL PDQ-2						790	310	1650	6876	10677	66	159	245	58
SUBTOTAL PDQ-3						2408	75	698	3056	5836	200	119	117	21
SUBTOTAL									17012	25078		437	499	233
TOTAL						3198	710	4637	42090		266	1169		

PAVEMENT DELINEATION QUANTITIES
PDQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy

CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne

REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	17	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

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THERMOPLASTIC PAVEMENT MARKING

LOCATION NUMBER	ROUTE	POST MILE	ORIENTATION	TYPE/LEGEND	AREA SQFT
2	101	100.61	FNBT	STOP	22
2	101	100.62	FNBT	AHEAD	31
2	101	100.66	FNBT	TYPE V ARROW	33
2	101	100.68	FNBT	TYPE V ARROW	33
3	101	100.69	FSBT	TYPE V ARROW	33
3	101	100.70	FSBT	CROSSWALK	100
4	101	100.69	FNBT	STOP	22
4	101	100.70	FNBT	CROSSWALK	90
5	299	0.00	FSBT	TYPE V ARROW	33
7	299	0.00	FEBT	TYPE V ARROW	33
8	299	0.00	FEBT	TYPE V ARROW	33
12	299	0.09	FWBT	TYPE V ARROW	33
13	299	0.09	FEBT	TYPE V ARROW	33
16	299	R1.78	FWBT	TYPE V ARROW	33
17	299	R1.82	FWBT	TYPE V ARROW	33
17	299	R1.83	FWBT	TYPE V ARROW	33
20	299	R1.93	FWBT	TYPE V ARROW	33
20	299	R1.94	FWBT	TYPE V ARROW	33
21	299	R1.91	FEBT	TYPE V ARROW	33
23	299	R2.46	FEBT	TYPE V ARROW	33
23	299	R2.48	FEBT	TYPE V ARROW	33
26	299	R2.76	FEBT	SIGNAL	32
26	299	R2.79	FEBT	AHEAD	31
28	299	R2.92	FWBT	TYPE V ARROW	33
29	299	R2.92	FEBT	TYPE V ARROW	33
29	299	R2.93	FEBT	STOP	22
29	299	R2.93	FEBT	STOP	22
29	299	R2.93	FEBT	LIMIT LINE	60
30	299	R2.96	FWBT	LIMIT LINE	58
30	299	R2.96	FWBT	STOP	22
30	299	R2.96	FWBT	STOP	22
30	299	R2.97	FWBT	TYPE V ARROW	33
31	299	R2.97	FEBT	TYPE V ARROW	33
32	299	R2.98	FWBT	TYPE V ARROW	33
32	299	R3.06	FWBT	AHEAD	31
32	299	R3.08	FWBT	STOP	22
34	299	R4.00	FWBT	TYPE V ARROW	33
35	299	R4.02	FWBT	TYPE V ARROW	33
35	299	R4.03	FWBT	STOP	22
35	299	R4.04	FWBT	LIMIT LINE	39
49	299	R5.39	FEBT	STOP	22
49	299	R5.41	FEBT	AHEAD	31
49	299	R5.43	FEBT	TYPE V ARROW	33
49	299	R5.45	FEBT	TYPE V ARROW	33
49	299	R5.47	FEBT	TYPE V ARROW	33
54	299	R5.47	FWBT	TYPE V ARROW	33
55	299	R5.51	FEBT	TYPE V ARROW	33
				TOTAL	1625

PAVEMENT DELINEATION QUANTITIES
PDQ-4

REVISED BY | DATE REVISED
Greg Thorne | Greg Thorne
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 21-MAR-2012 | TIME PLOTTED => 07:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	18	22

REGISTERED CIVIL ENGINEER 3/20/12 DATE

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ROADWAY QUANTITIES

LOCATION NUMBER	FROM PM	TO PM	DIR	ROUTE	LANE NUMBER	LENGTH FT	WIDTH FT	AREA SQFT	DEPTH FT	REPLACE ASPHALT CONCRETE SURFACING CY	REMARKS
1	100.55	100.68	SB	101	ONRAMP	691	12.5	8638	0.33	105.6	TRINIDAD ROAD SB ONRAMP
2	100.58	100.68	NB	101	OFFRAMP	531	12.5	6638	0.33	81.1	TRINIDAD ROAD NB OFFRAMP
3	100.68	100.70	SB	101	ONRAMP	50	12-80	2230	0.33	27.3	TRINIDAD ROAD SB ONRAMP
4	100.68	100.70	NB	101	OFFRAMP	40	12-80	1850	0.33	22.6	TRINIDAD ROAD NB OFFRAMP
5	0.00		WB	299	CONNECTOR	790	20	15800	0.33	193.1	ROUTE 101/299 CONNECTOR
6	0.00		WB	299	CONNECTOR	665	13	8645	0.33	105.7	ROUTE 101/299 CONNECTOR
7	0.00		EB	299	CONNECTOR	390	20	7800	0.33	95.3	ROUTE 101/299 CONNECTOR
8	0.00		EB	299	CONNECTOR	470	13	6110	0.33	74.7	ROUTE 101/299 CONNECTOR
9	0.00		WB	299	CONNECTOR	1370	16	21920	0.33	267.9	ROUTE 101/299 CONNECTOR
10	0.00	0.03	WB	299	1	155	13	2015	0.15	11.2	MAINLINE ON STRUCTURE
11	0.00	0.03	EB	299	1	155	13	2015	0.15	11.2	MAINLINE ON STRUCTURE
12	0.03	0.16	WB	299	1	650	13	8450	0.33	103.3	MAINLINE
13	0.03	0.16	EB	299	1	665	13	8645	0.33	105.7	MAINLINE
14	0.60	0.64	WB	299	ONRAMP	200	12.5	2500	0.33	30.6	GIUNTOLI LANE WB ONRAMP
15	0.70	0.73	WB	299	ONRAMP	150	12.5	1875	0.33	22.9	GIUNTOLI LANE WB ONRAMP
16	R1.71	R1.80	WB	299	CONNECTOR	710	12	8520	0.25	78.9	ROUTE 200/299 CONNECTOR
17	R1.82	R1.93	WB	299	CONNECTOR	1080	12	12960	0.25	120.0	ROUTE 200/299 CONNECTOR
18	R1.82	R1.91	EB	299	CONNECTOR	670	16	10720	0.25	99.3	ROUTE 200/299 CONNECTOR
19	R1.82	R1.91	WB	299	CONNECTOR	630	16	10080	0.25	93.3	ROUTE 200/299 CONNECTOR
20	R1.82	R1.93	EB	299	CONNECTOR	700	12	8400	0.25	77.8	ROUTE 200/299 CONNECTOR
21	R1.91	R2.12	EB	299	CONNECTOR	1080	12	12960	0.25	120.0	ROUTE 200/299 CONNECTOR
22	R2.19	R2.32	WB	299	2	640	12.5	8000	0.33	97.8	MAINLINE
23	R2.32	R2.49	EB	299	OFFRAMP	900	12.5	11250	0.25	104.2	GLENDALE DRIVE EB OFFRAMP
24	R2.37	R2.38	EB	299	2	50	12.5	625	0.33	7.6	MAINLINE
25	R2.44	R2.45	WB	299	1 + SHOULDER	60	14	840	0.33	10.3	MAINLINE
26	R2.67	R2.91	EB	299	OFFRAMP	1250	12.5	15625	0.25	144.7	ESSEX LANE EB OFFRAMP
27	R2.77	R2.92	WB	299	ONRAMP	810	12.5	10125	0.25	93.8	ESSEX LANE WB ONRAMP
28	R2.91	R2.93	WB	299	ONRAMP	120	12-100	3375	0.25	31.3	ESSEX LANE WB ONRAMP
29	R2.92	R2.93	EB	299	OFFRAMP	65	12-90	2250	0.25	20.8	ESSEX LANE EB OFFRAMP
30	R2.96	R2.97	WB	299	OFFRAMP	90	12-75	2800	0.25	25.9	ESSEX LANE WB OFFRAMP
31	R2.96	R2.97	EB	299	ONRAMP	105	12-100	3200	0.25	29.6	ESSEX LANE EB ONRAMP
32	R2.97	R3.19	WB	299	OFFRAMP	1105	12.5	13813	0.25	127.9	ESSEX LANE WB OFFRAMP
33	R2.97	R3.18	EB	299	ONRAMP	1100	12.5	13750	0.25	127.3	ESSEX LANE EB ONRAMP
34	R3.97	R4.01	EB	299	OFFRAMP	200	12.5	2500	0.25	23.1	GLENDALE LANE EB OFFRAMP
35	R4.01	R4.03	EB	299	OFFRAMP	115	12-60	2960	0.25	27.4	GLENDALE LANE EB OFFRAMP
36	R4.12	R4.15	WB	299	OFFRAMP	125	12.5	1563	0.25	14.5	GLENDALE LANE WB OFFRAMP
37	R4.29	R4.32	EB	299	2	150	20	3000	0.33	36.7	MAINLINE
38	R4.65	R4.66	EB	299	2	30	12.5	375	0.33	4.6	MAINLINE
39	R4.82	R4.83	EB	299	2	30	12.5	375	0.33	4.6	MAINLINE
40	R4.93	R4.94	EB	299	2	30	12.5	375	0.33	4.6	MAINLINE
41	R5.00	R5.01	EB	299	2	30	12.5	375	0.33	4.6	MAINLINE
42	R5.15	R5.16	WB	299	2	30	12.5	375	0.33	4.6	MAINLINE
43	R5.23	R5.29	EB	299	2	300	12.5	3750	0.25	34.7	MAINLINE
44	R5.28	R5.29	EB	299	OFFRAMP	50	16	800	0.25	7.4	BLUE LAKE EB OFFRAMP
45	R5.28	R5.29	EB	299	1	50	14	700	0.33	8.6	MAINLINE
46	R5.29	R5.32	EB	299	OFFRAMP	148	16	2368	0.15	13.2	OFFRAMP ON STRUCTURE
47	R5.29	R5.32	EB	299	2	148	12.5	1850	0.15	10.3	MAINLINE ON STRUCTURE
48	R5.29	R5.32	EB	299	1	148	14	2072	0.15	11.5	MAINLINE ON STRUCTURE
49	R5.32	R5.43	EB	299	OFFRAMP	1050	16	16800	0.25	155.6	BLUE LAKE EB OFFRAMP
50	R5.32	R5.34	EB	299	2	125	12.5	1563	0.25	14.5	MAINLINE
51	R5.32	R5.33	EB	299	1	50	14	700	0.33	8.6	MAINLINE
52	R5.33	R5.45	WB	299	ONRAMP	830	12.5	10375	0.25	96.1	BLUE LAKE WB ONRAMP
53	R5.37	R5.39	WB	299	2	75	12.5	938	0.33	11.5	MAINLINE
54	R5.45	R5.48	WB	299	ONRAMP	150	12-115	4190	0.25	38.8	BLUE LAKE WB ONRAMP
55	R5.50	R5.56	EB	299	ONRAMP	310	12.5	4030	0.25	37.3	BLUE LAKE EB ONRAMP
56	R5.67	R5.92	EB	299	2	1350	12.5	16875	0.33	206.3	MAINLINE
57	R5.72	R5.92	WB	299	2	1100	12.5	13750	0.33	168.1	MAINLINE
									TOTAL	3615.9	

SUMMARY OF QUANTITIES
Q-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Greg Thorne
CHECKED BY: Greg Thorne
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21-MAR-2012
TIME PLOTTED => 07:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	19	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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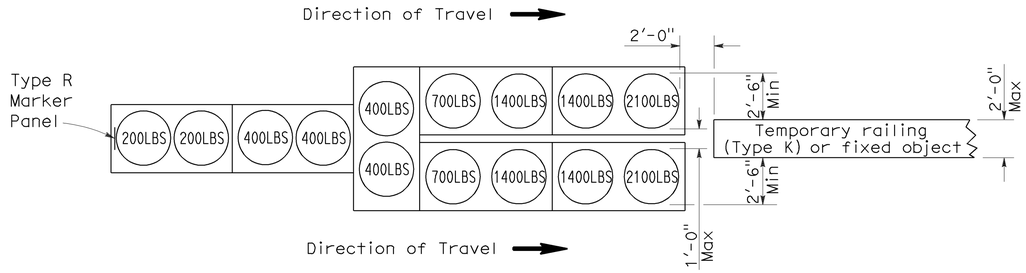
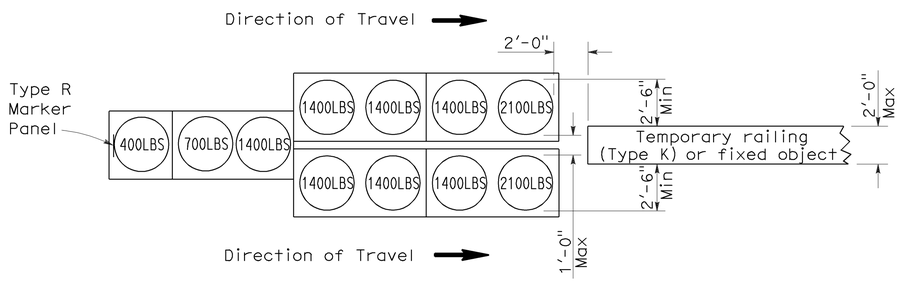
To accompany plans dated March 20, 2012



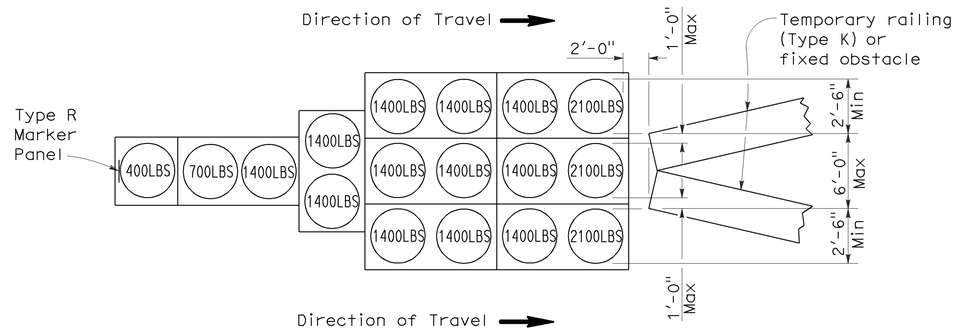
ARRAY 'TU14'

Approach speed 45 mph or more



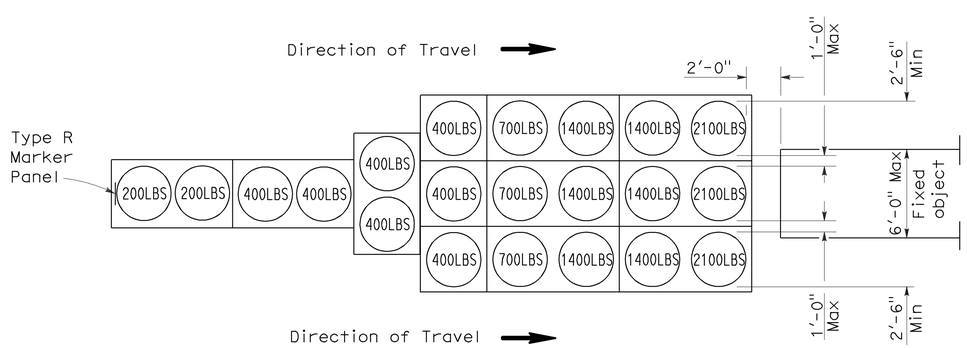
ARRAY 'TU11'

Approach speed less than 45 mph



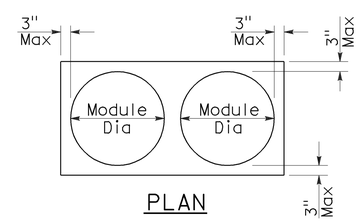
ARRAY 'TU17'

Approach speed less than 45 mph

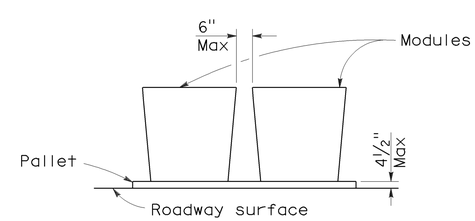


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	20	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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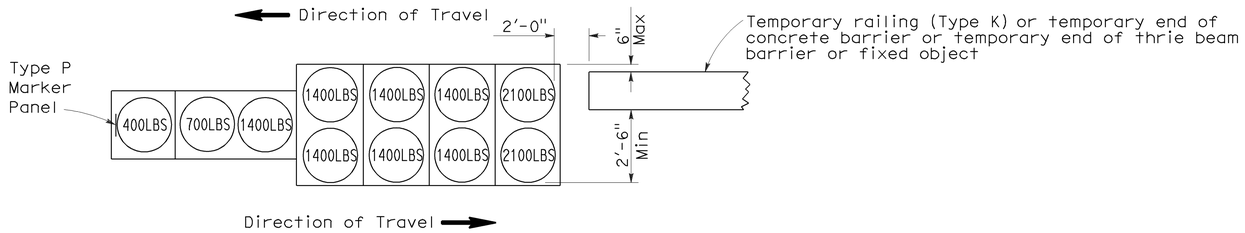
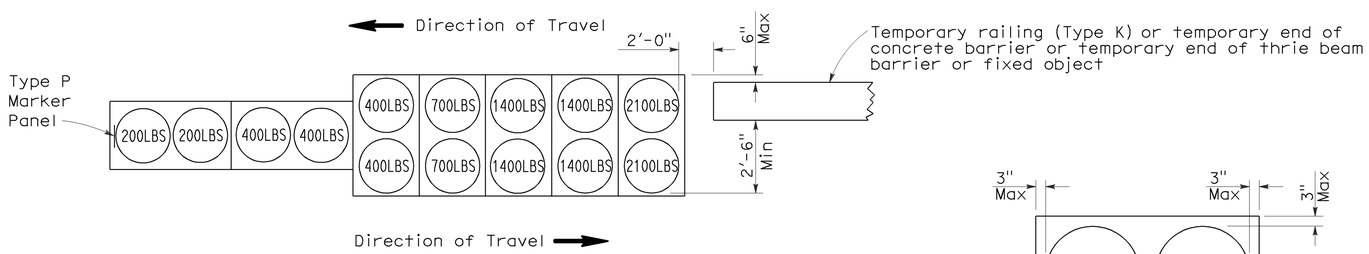
To accompany plans dated March 20, 2012



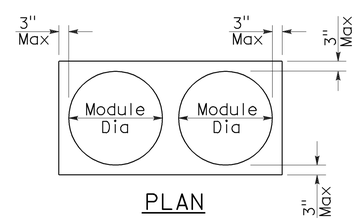
ARRAY 'TB11'

Approach speed less than 45 mph

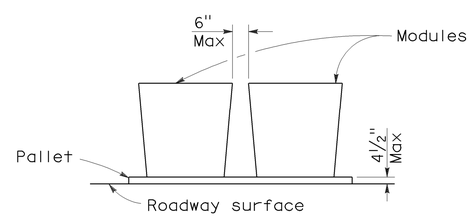


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	21	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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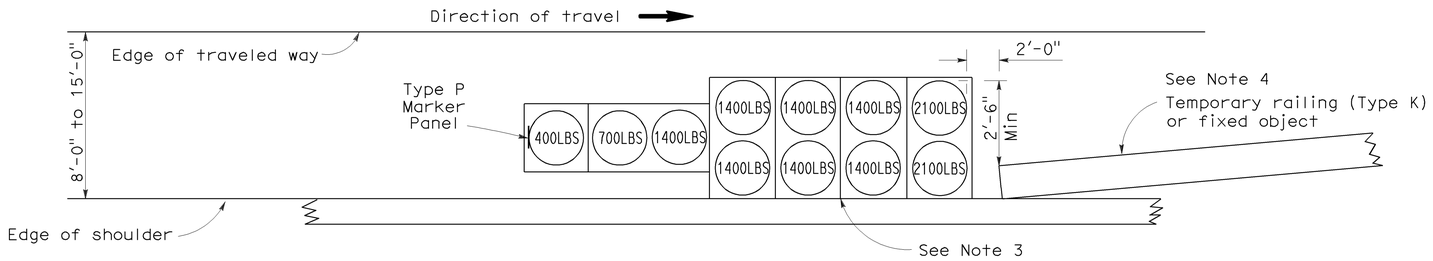
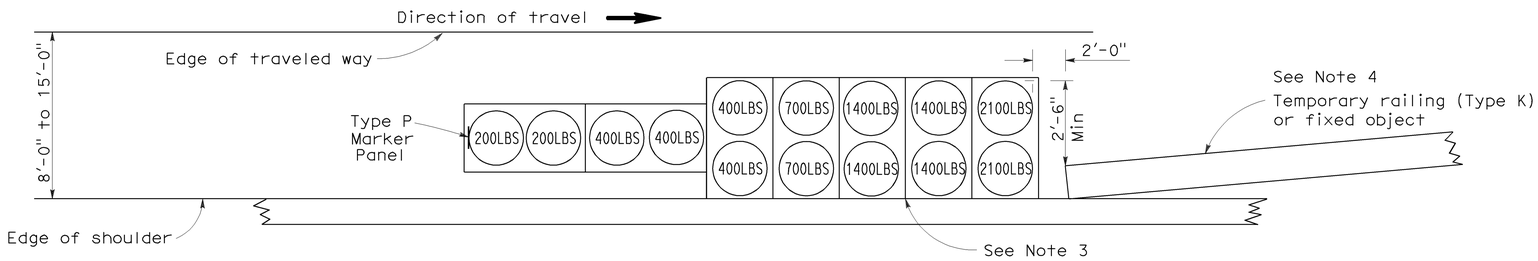
To accompany plans dated March 20, 2012



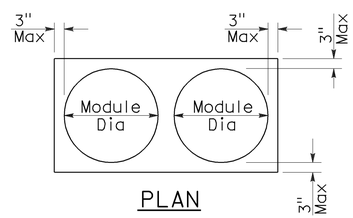
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

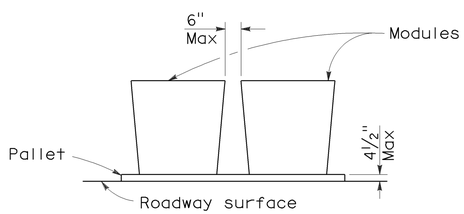


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101, 299	100.7, 0.0/R5.9	22	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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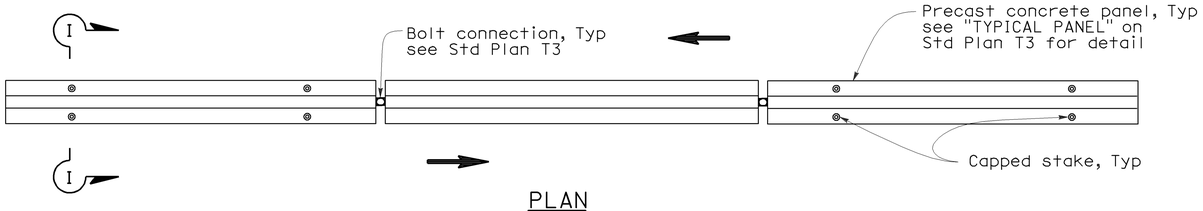
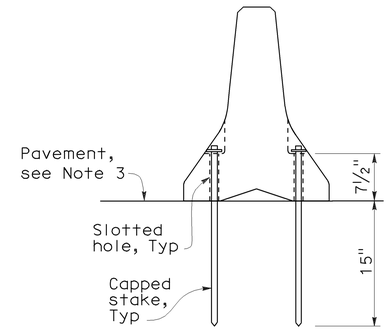
To accompany plans dated March 20, 2012



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

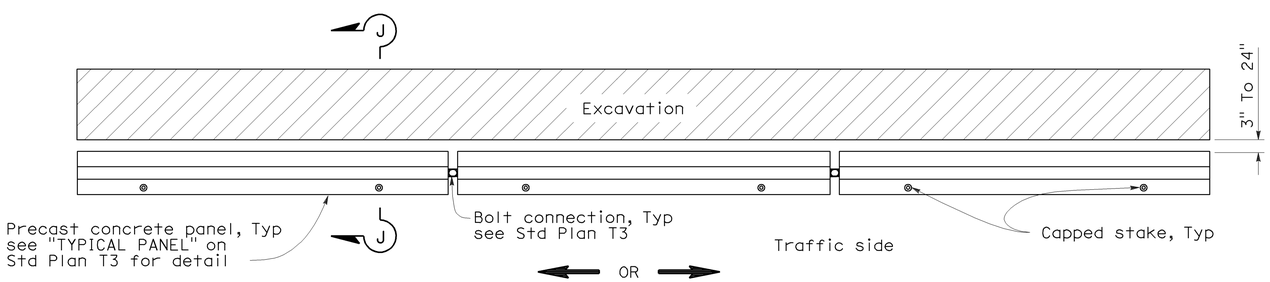
See Note 1



SECTION I-I

NOTES:

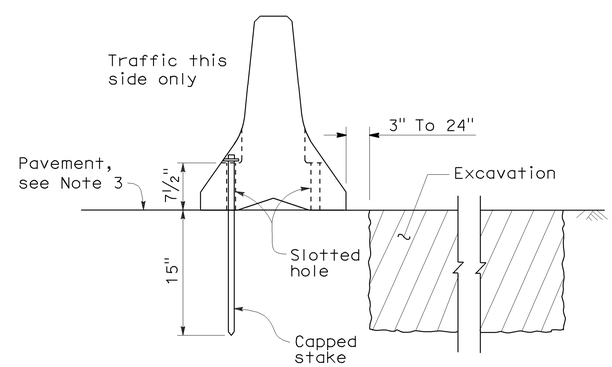
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟹.



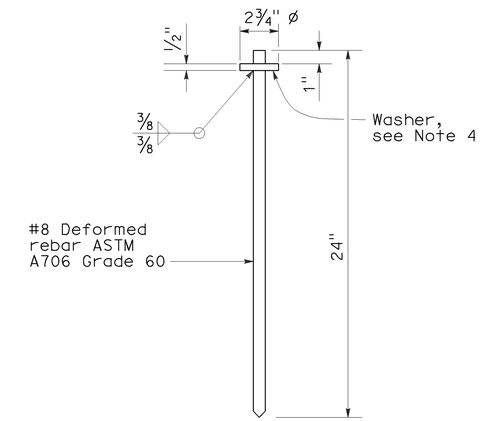
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A