

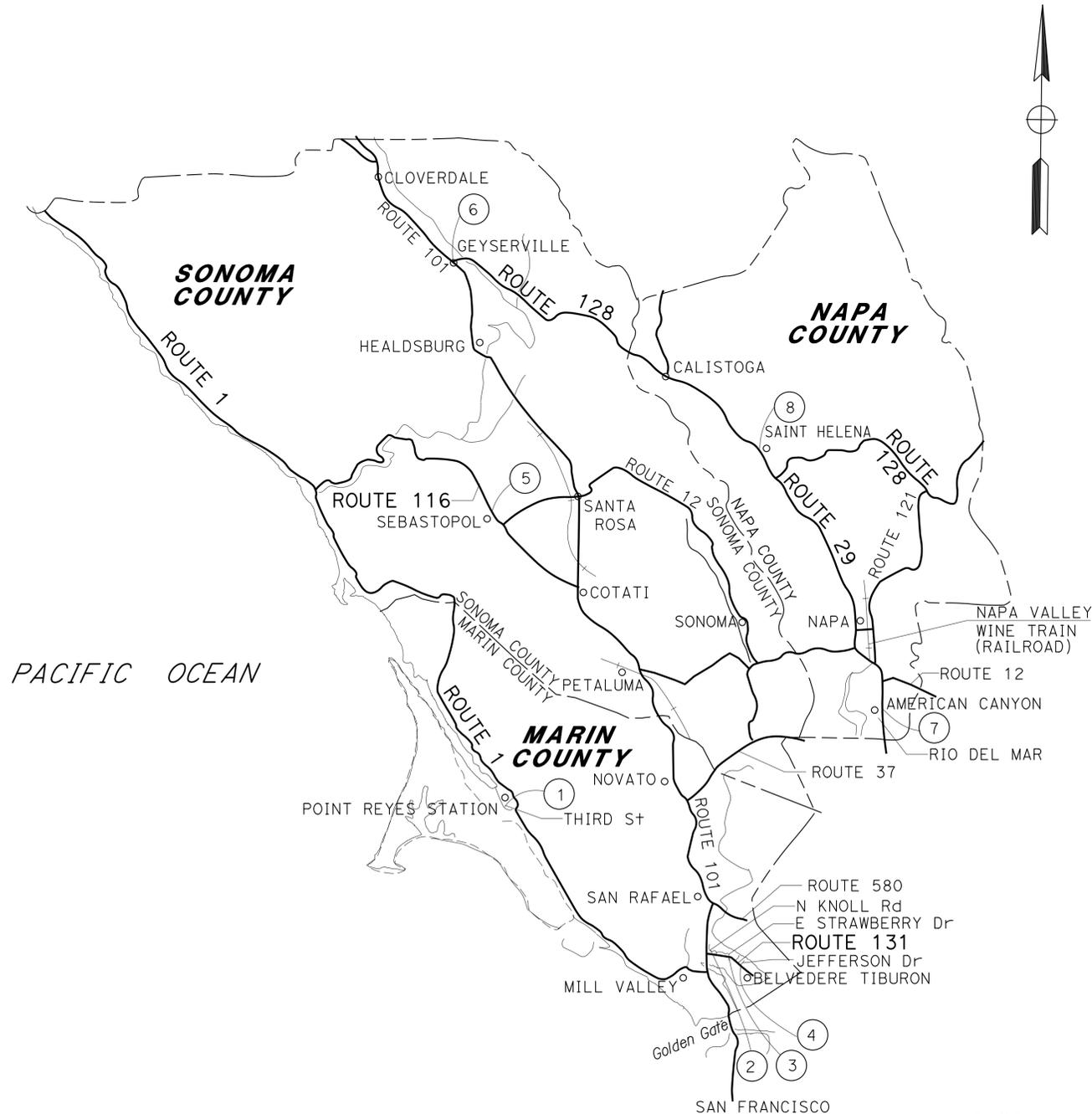
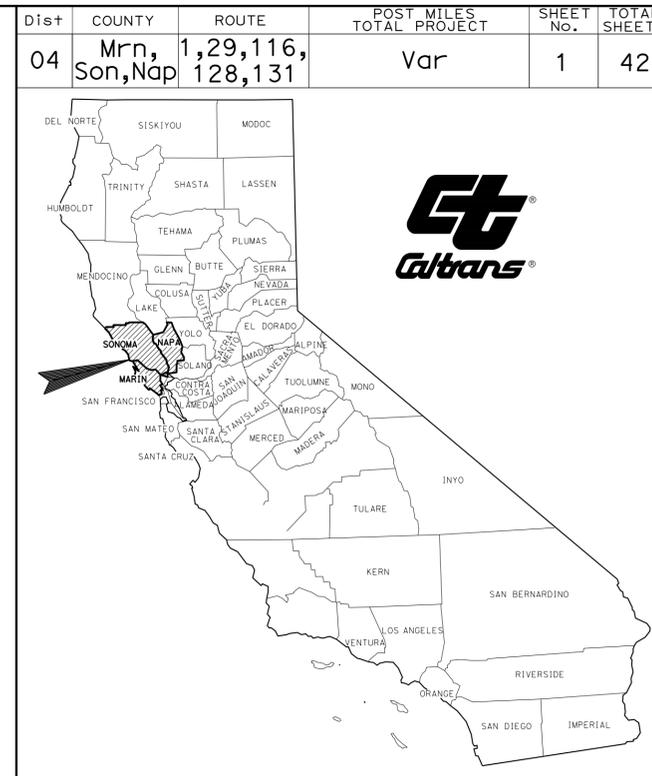
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE SHEET AND LOCATION MAP
2 - 9	LAYOUT
10 - 13	CONSTRUCTION DETAILS
14 - 21	TEMPORARY WATER POLLUTION CONTROL PLAN AND QUANTITIES
22 - 23	DRAINAGE PLAN AND QUANTITIES
24 - 26	CONSTRUCTION AREA SIGNS
27 - 34	PAVEMENT DELINEATION PLAN AND QUANTITIES
35	SUMMARY OF QUANTITIES
36 - 42	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 MARIN, SONOMA AND NAPA COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

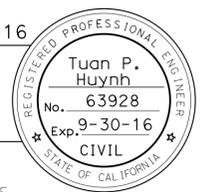


LOCATIONS OF CONSTRUCTION

LOCATION No.	COUNTY	CITY	ROUTE	PM	DESCRIPTION
①	Mrn	POINT REYES STATION	1	28.83	THIRD St
②	Mrn	MILL VALLEY	131	0.25	NORTH KNOLL Rd
③	Mrn	MILL VALLEY	131	0.67	EAST STRAWBERRY Dr
④	Mrn	BELVEDERE TIBURON	131	1.79	JEFFERSON Dr
⑤	Son	SEBASTOPOL	116	26.13	DUFRANC Ave
⑥	Son	GEYSERVILLE	128	L5.76	MINNIE St
⑦	Nap	AMERICAN CANYON	29	1.66	RIO DEL MAR
⑧	Nap	SAINT HELENA	29	28.63	HUNT Ave

PROJECT MANAGER
 SIDDAREDDY PEDABALLI
 DESIGN MANAGER
 LAWRENCE A. JONES

5-27-16
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
May 31, 2016
 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.	04-4A6704
PROJECT ID	0400001155

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

NO SCALE

DATE PLOTTED => 07-JUN-2016 TIME PLOTTED => 07:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR
 TAM LY

CALCULATED/DESIGNED BY
 CHECKED BY

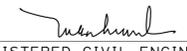
TUAN HUYNH
 TAM LY

REVISED BY
 DATE REVISED

TH
 5-27-16

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	2	42

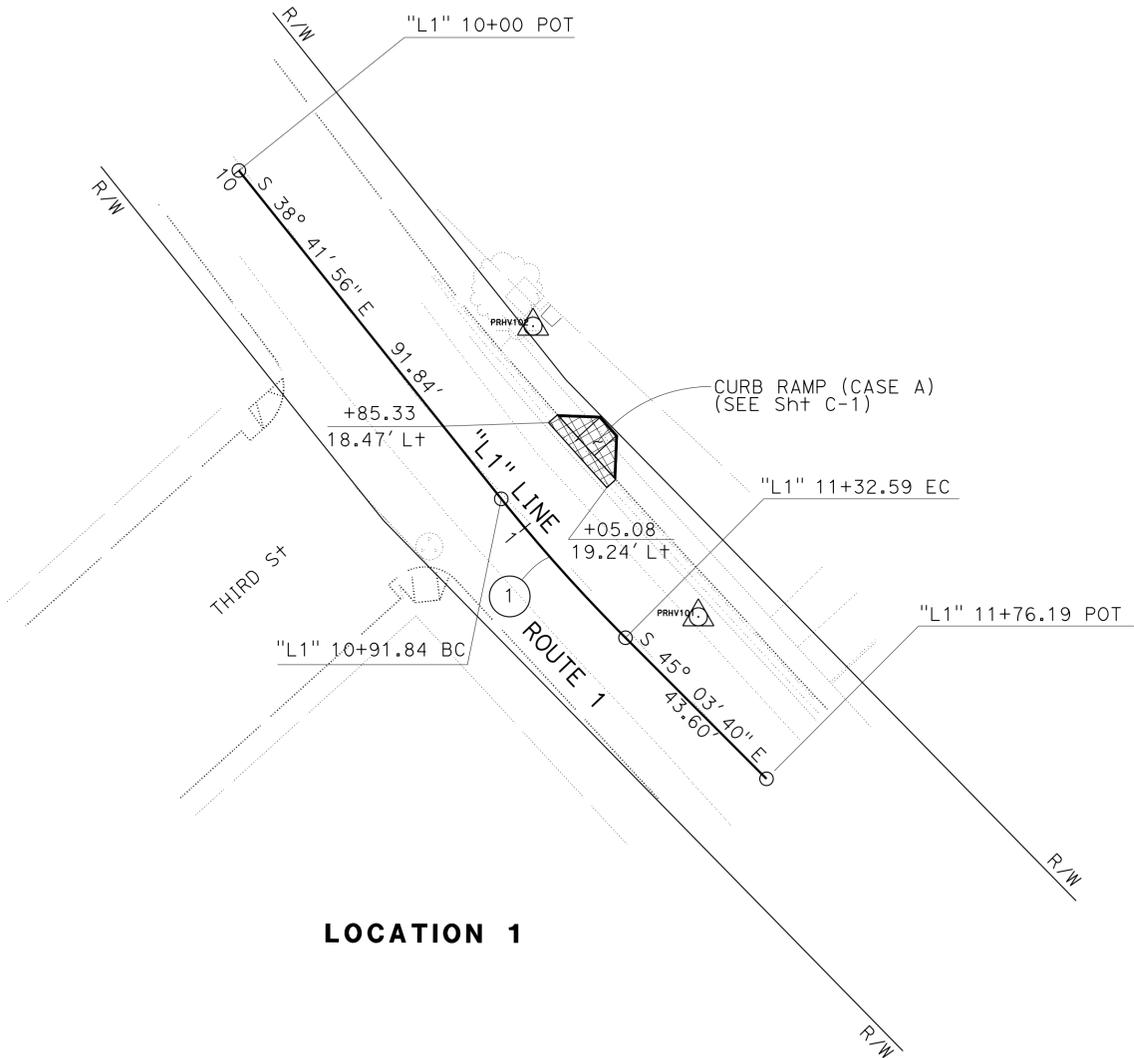
 5-27-16
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 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.

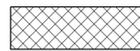
CURVE DATA

No.	⊕	R	Δ	T	L	N	E
1		367'	06° 21' 44"	20.39'	40.75'	2219813.83	5898128.66



LOCATION 1

LEGEND:

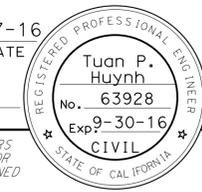
 MINOR CONCRETE

LAYOUT
 SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	3	42
			5-27-16	REGISTERED CIVIL ENGINEER DATE	
			5-31-16	PLANS APPROVAL DATE	

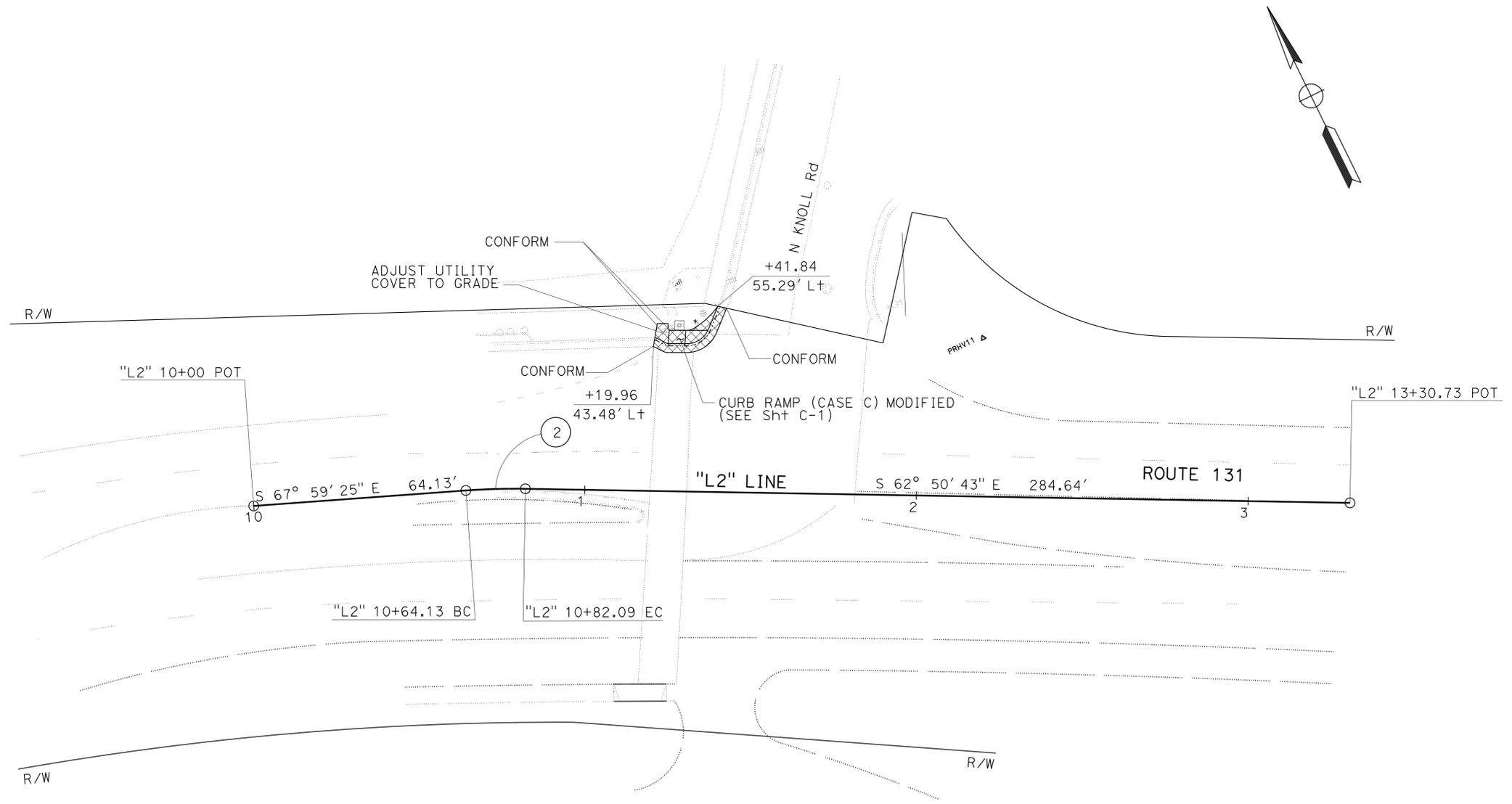


Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 CIVIL

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.

CURVE DATA

No.	⊕	R	Δ	T	L	N	E
2		200'	05° 08' 41"	8.99'	17.96'	2157067.35	5981263.31



LOCATION 2

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
 SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

TH	5-27-16	TUAN HUYNH	TAM LY	TAM LY
REVISOR	DATE	DESIGNER	CHECKER	FUNCTIONAL SUPERVISOR

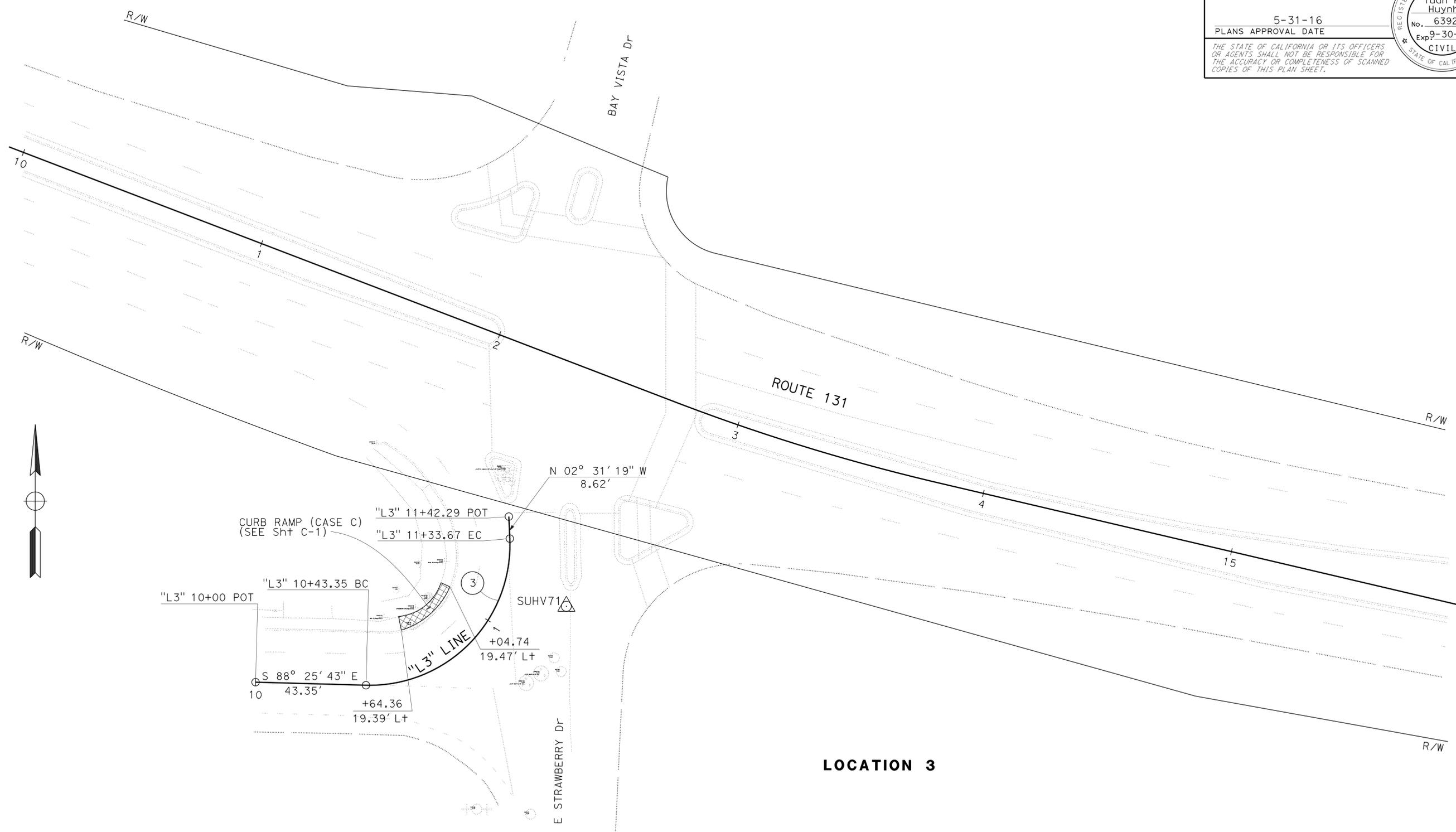
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	4	42

REGISTERED CIVIL ENGINEER: Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 CIVIL

5-27-16 DATE
 5-31-16 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.



CURVE DATA

LOCATION 3

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
 SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR	TAM LY
CALCULATED/DESIGNED BY	CHECKED BY
TUAN HUYNH	TAM LY
REVISOR	DATE
TH	5-27-16

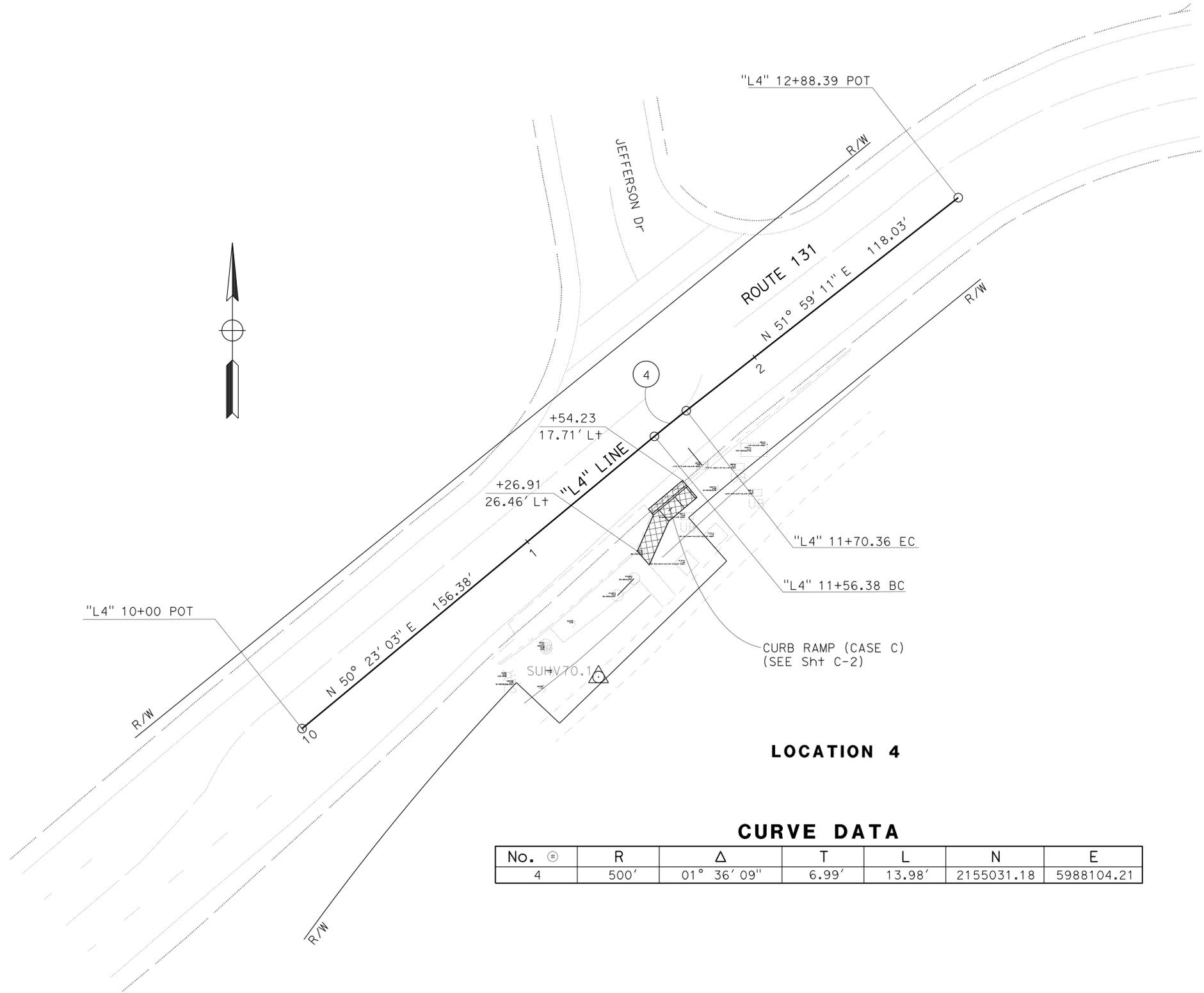
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	5	42

5-27-16
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE

Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 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.



LOCATION 4

CURVE DATA

No.	⊕	R	Δ	T	L	N	E
4		500'	01° 36' 09"	6.99'	13.98'	2155031.18	5988104.21

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1



LAYOUT
 SCALE: 1" = 20'

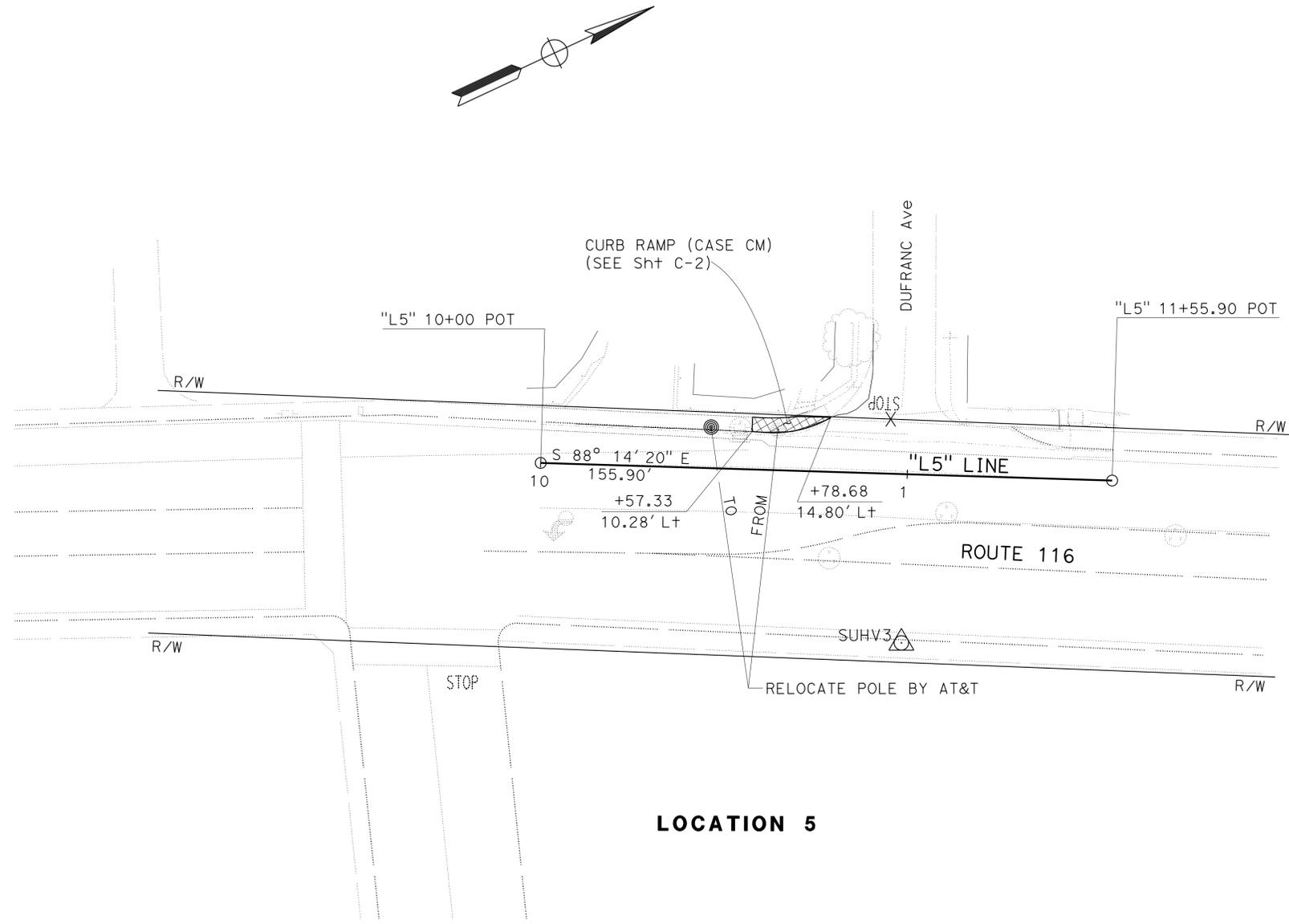
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN	FUNCTIONAL SUPERVISOR	TAM LY	CALCULATED/DESIGNED BY	TUAN HUYNH	REVISOR	TAM LY	DATE	5-27-16
	Caltrans			CHECKED BY	TAM LY	DATE			

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	6	42
			5-27-16	REGISTERED CIVIL ENGINEER DATE	
			5-31-16	PLANS APPROVAL DATE	

Tuan P. Huynh
No. 63928
Exp. 9-30-16
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.



LOCATION 5

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1



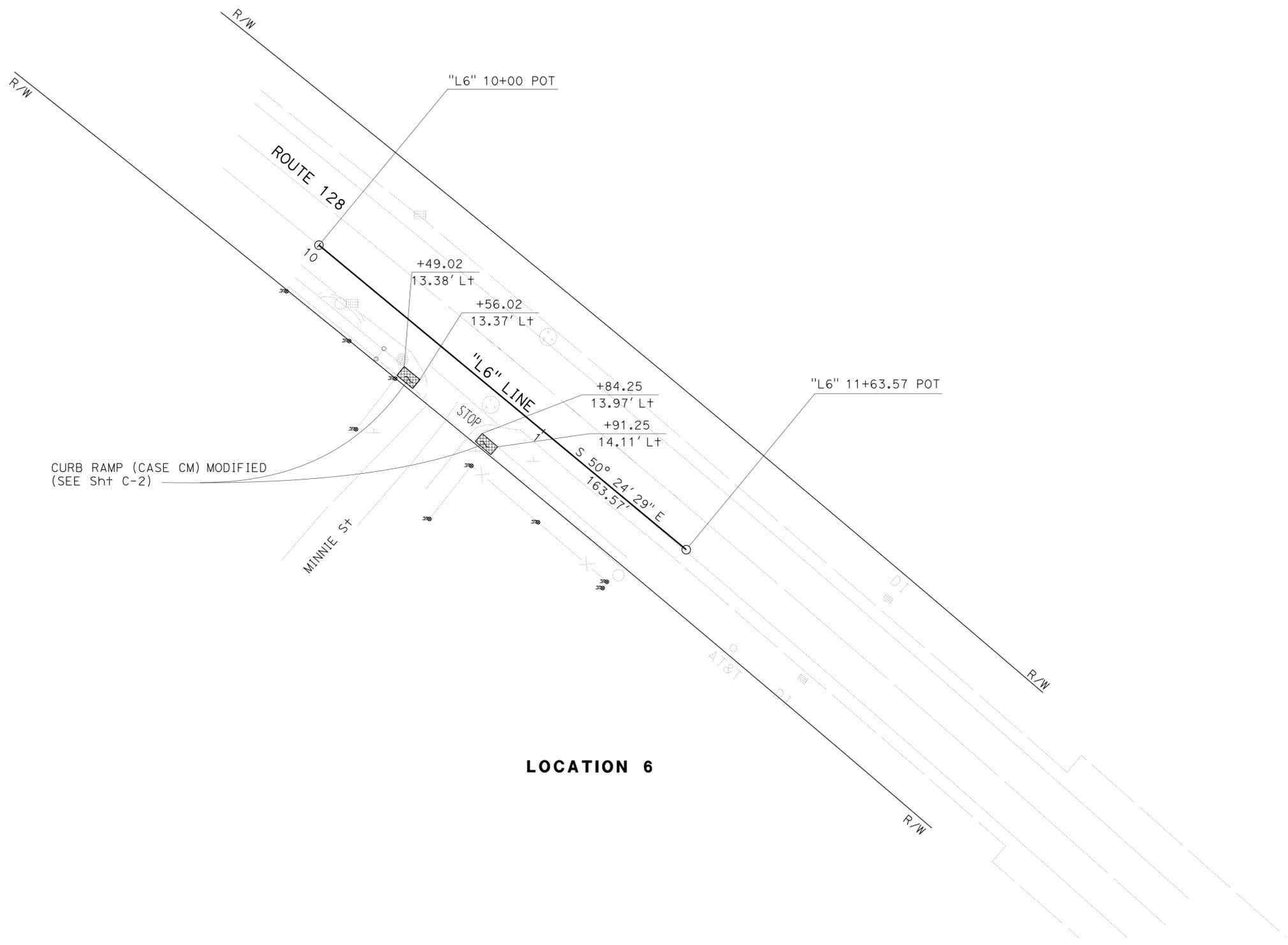
LAYOUT
SCALE: 1" = 20'

L - 5

LAST REVISION | DATE PLOTTED => 07-JUN-2016 | 03-08-16 | TIME PLOTTED => 07:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN	FUNCTIONAL SUPERVISOR	TAM LY	CALCULATED/DESIGNED BY	CHECKED BY	TUAN HUYNH	TAM LY	REVISOR	TH	DATE	5-27-16

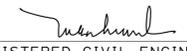
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LOCATION 6

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	7	42
 REGISTERED CIVIL ENGINEER			DATE	5-27-16	
PLANS APPROVAL DATE			DATE	5-31-16	
Tuan P. Huynh No. 63928 Exp. 9-30-16 CIVIL					
<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>					

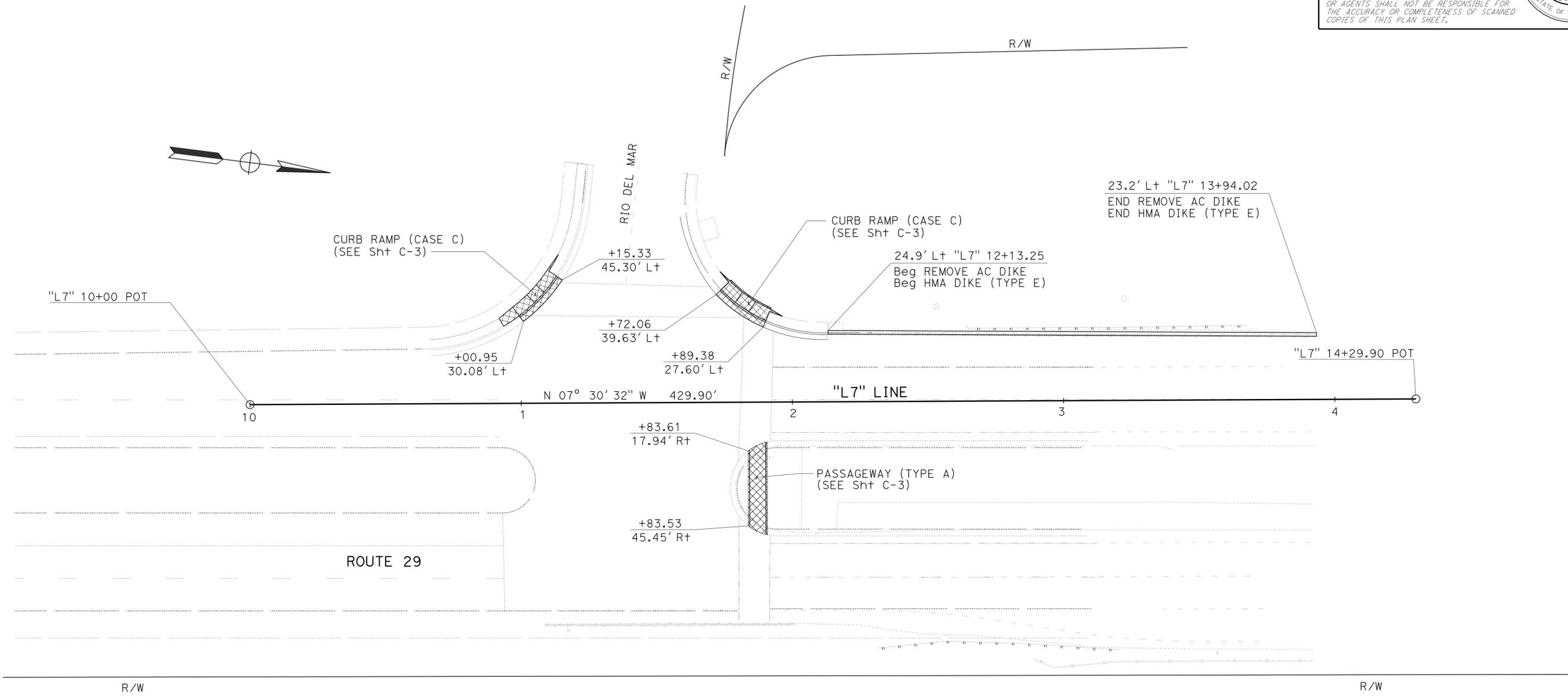
LAYOUT
SCALE: 1" = 20'

L - 6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	8	42
			5-27-16	REGISTERED CIVIL ENGINEER DATE	
			5-31-16	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>					



LOCATION 7

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET L-1



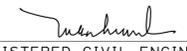
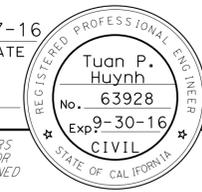
LAYOUT
 SCALE: 1" = 20'

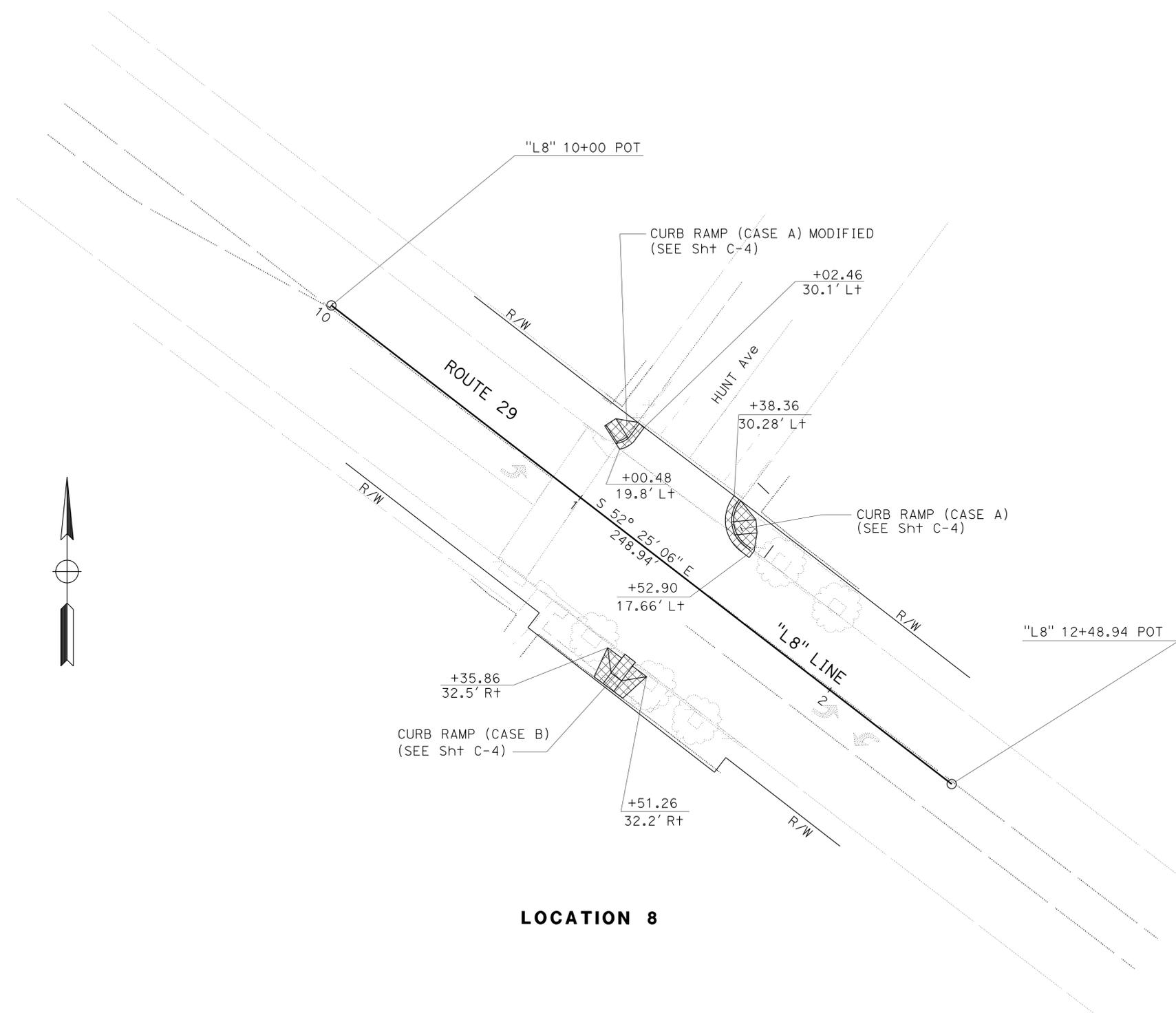
L - 7

LAST REVISION DATE PLOTTED => 07-JUN-2016 03-16-16 TIME PLOTTED => 07:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TAM LY
CALCULATED/DESIGNED BY	CHECKED BY
TUAN HUYNH	TAM LY
REVISOR	DATE
TH	5-27-16

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	9	42
 REGISTERED CIVIL ENGINEER			5-27-16	DATE	
PLANS APPROVAL DATE			5-31-16		
					
<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>					



LOCATION 8

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1



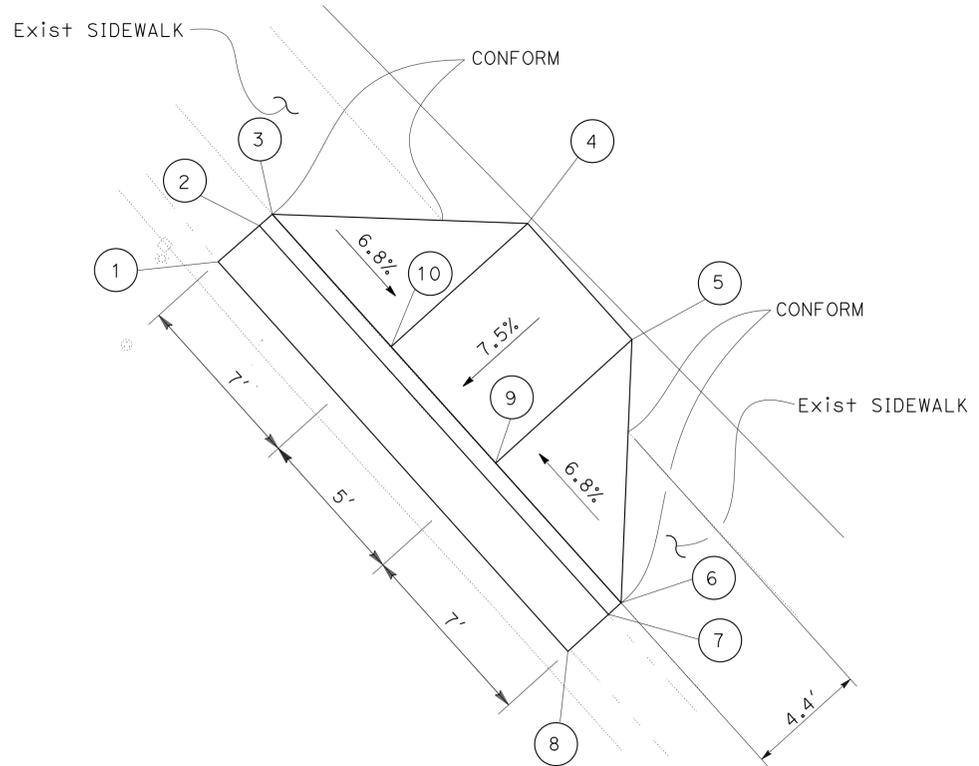
LAYOUT
SCALE: 1" = 20'

L - 8

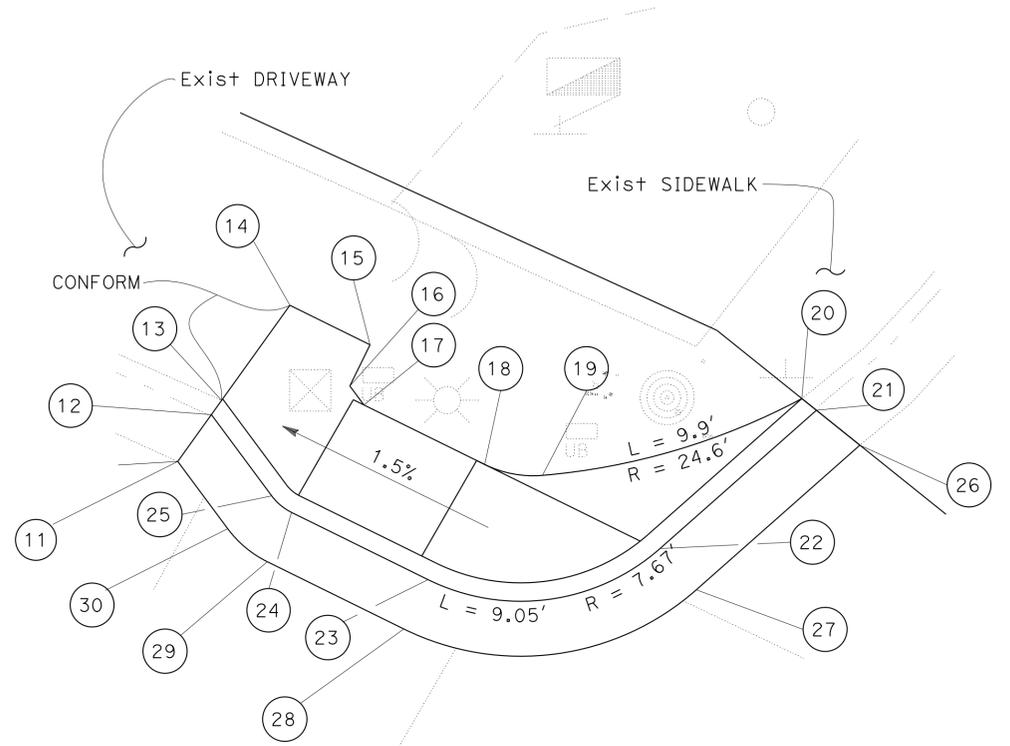
LAST REVISION DATE PLOTTED => 07-JUN-2016 03-08-16 TIME PLOTTED => 07:17

TH	5-27-16
REVISOR	DATE
TUAN HUYNH	TAM LY
CALCULATED/DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	TAM LY

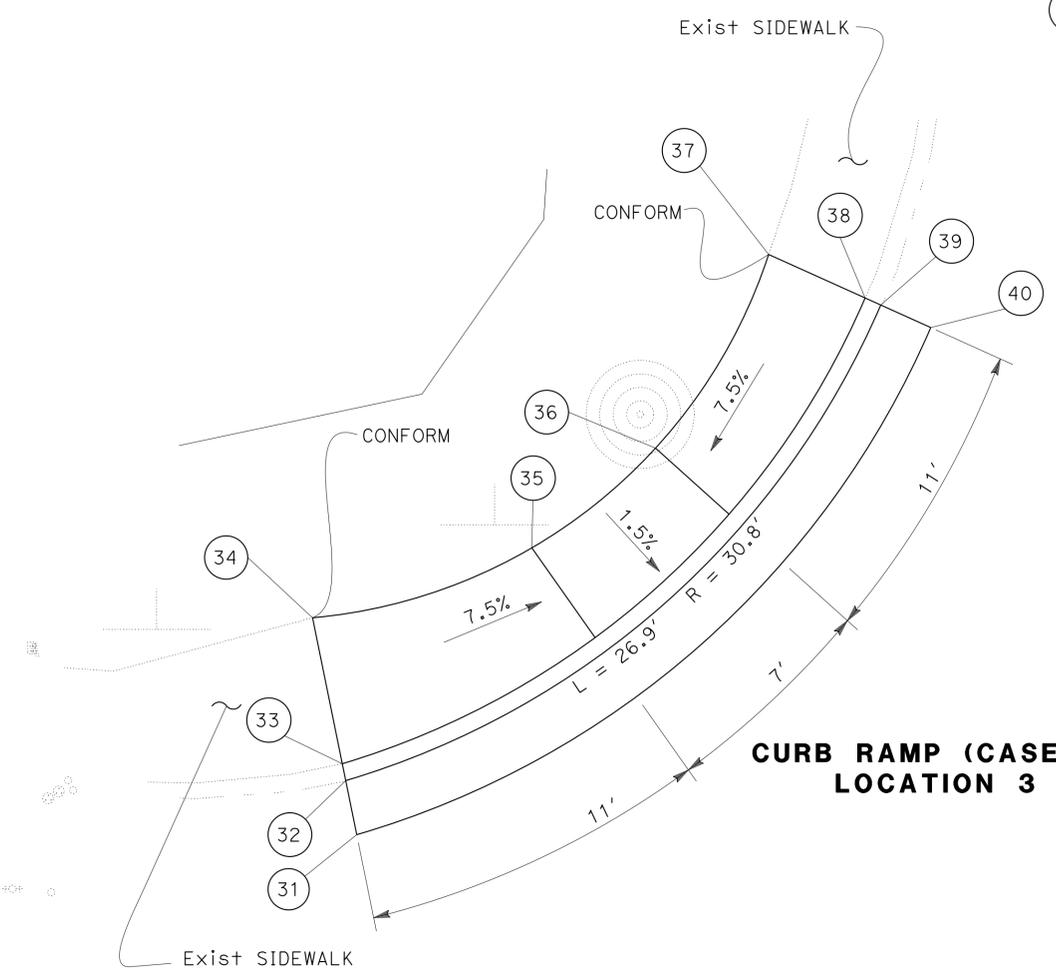
No.	LOCATION	ELEVATION
1	18.47' L+ "L1" 10+85.33	36.65
2	20.47' L+ "L1" 10+85.25	36.75
3	21.09' L+ "L1" 10+85.22	37.25
4	28.16' L+ "L1" 10+91.32	37.28
5	28.44' L+ "L1" 10+97.41	37.27
6	21.96' L+ "L1" 10+05.00	37.27
7	21.34' L+ "L1" 11+05.02	36.81
8	19.34' L+ "L1" 11+05.08	36.68
9	21.74' L+ "L1" 10+97.55	36.77
10	21.47' L+ "L1" 10+91.85	36.78
11	43.48' L+ "L2" 11+19.96	82.23
12	45.55' L+ "L2" 11+20.27	82.19
13	46.25' L+ "L2" 11+20.37	82.??
14	50.39' L+ "L2" 11+21.00	82.23
15	50.45' L+ "L2" 11+24.26	82.62
16	48.78' L+ "L2" 11+24.28	82.56
17	48.40' L+ "L2" 11+25.05	82.61
18	48.48' L+ "L2" 11+29.63	82.91
19	48.60' L+ "L2" 11+30.87	83.09
20	49.10' L+ "L2" 11+32.01	83.23
21	55.76' L+ "L2" 11+39.83	83.83
22	48.68' L+ "L2" 11+37.05	82.53
23	43.81' L+ "L2" 11+30.04	82.84
24	43.72' L+ "L2" 11+24.40	82.54
25	43.93' L+ "L2" 11+23.57	82.45
26	55.35' L+ "L2" 11+41.81	83.87
27	47.95' L+ "L2" 11+38.91	82.57
28	41.82' L+ "L2" 11+30.07	82.88
29	41.73' L+ "L2" 11+24.52	82.58
30	42.14' L+ "L2" 11+22.69	82.49
31	16.78' L+ "L3" 10+63.78	11.28
32	18.77' L+ "L3" 10+64.22	11.17
33	24.73' L+ "L3" 10+65.87	11.77
34	22.74' L+ "L3" 10+85.17	11.94
35	22.66' L+ "L3" 10+88.51	12.64
36	23.00' L+ "L3" 11+00.00	13.31
37	23.19' L+ "L3" 11+02.43	14.18
38	23.37' L+ "L3" 11+04.33	13.95
39	18.90' L+ "L3" 11+04.78	13.49
40	16.89' L+ "L3" 11+04.96	13.52



**CURB RAMP (CASE A)
LOCATION 1**



**CURB RAMP (CASE C) MODIFIED
LOCATION 2**



**CURB RAMP (CASE C)
LOCATION 3**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	10	42

5-27-16
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE
 Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 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.

CONSTRUCTION DETAILS
NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR: TAM LY
 REVISIONS: TH 5-27-16
 REVISIONS: TUAN HUYNH, TAM LY
 CALCULATED/DESIGNED BY: CHECKED BY:

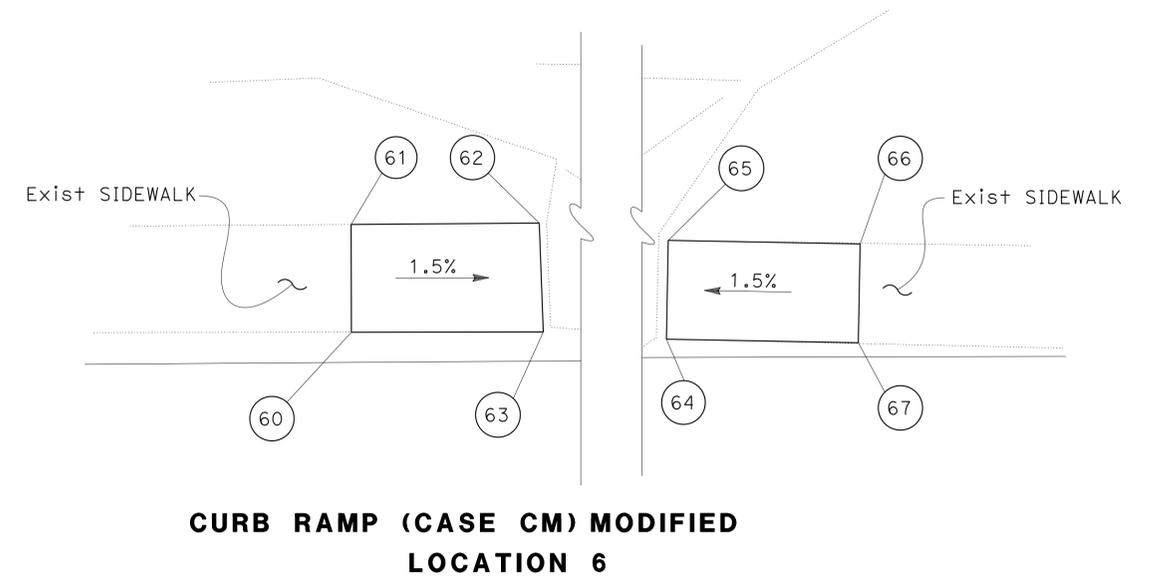
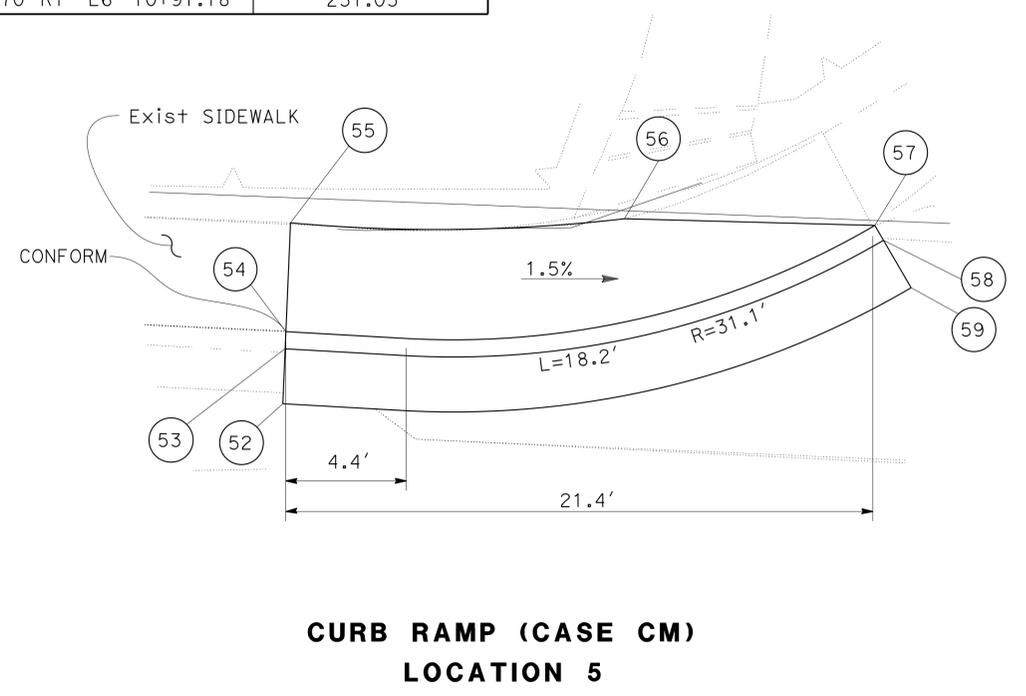
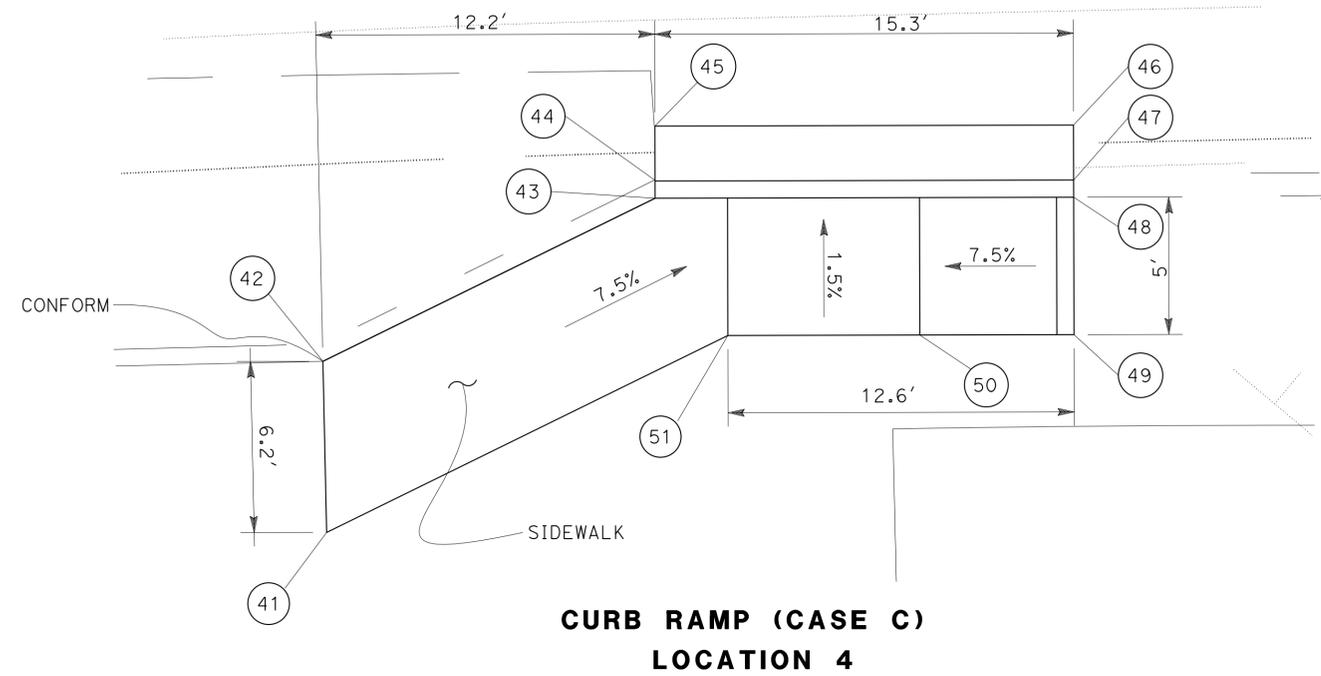
No.	LOCATION	ELEVATION
41	32.69' Rt "L4" 11+27.07	10.69
42	26.46' Rt "L4" 11+26.91	10.60
43	20.45' Rt "L4" 11+38.99	10.41
44	19.83' Rt "L4" 11+38.99	10.09
45	17.83' Rt "L4" 11+38.97	10.15
46	17.70' Rt "L4" 11+54.23	10.14
47	19.71' Rt "L4" 11+54.25	10.21
48	20.33' Rt "L4" 11+54.25	10.44
49	25.33' Rt "L4" 11+54.29	10.52
50	25.38' Rt "L4" 11+48.67	10.60
51	25.44' Rt "L4" 11+41.67	10.60
52	7.66' Lt "L5" 10+57.30	135.24
53	10.28' Lt "L5" 10+57.33	135.14
54	10.28' Lt "L5" 10+57.33	135.50
55	14.19' Lt "L5" 10+57.38	135.66
56	14.77' Lt "L5" 10+69.55	135.34
57	14.80' Lt "L5" 10+78.68	135.08
58	13.95' Lt "L5" 10+78.64	134.45
59	12.49' Lt "L5" 10+79.93	134.49
60	17.30' Rt "L6" 10+49.03	231.76
61	13.38' Rt "L6" 10+49.02	231.59
62	13.37' Rt "L6" 10+56.02	231.51
63	17.30' Rt "L6" 10+56.03	231.68
64	17.57' Rt "L6" 10+84.18	231.18
65	13.97' Rt "L6" 10+84.25	231.03
66	14.11' Rt "L6" 10+91.25	230.92
67	17.70' Rt "L6" 10+91.18	231.05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	11	42

5-27-16
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE

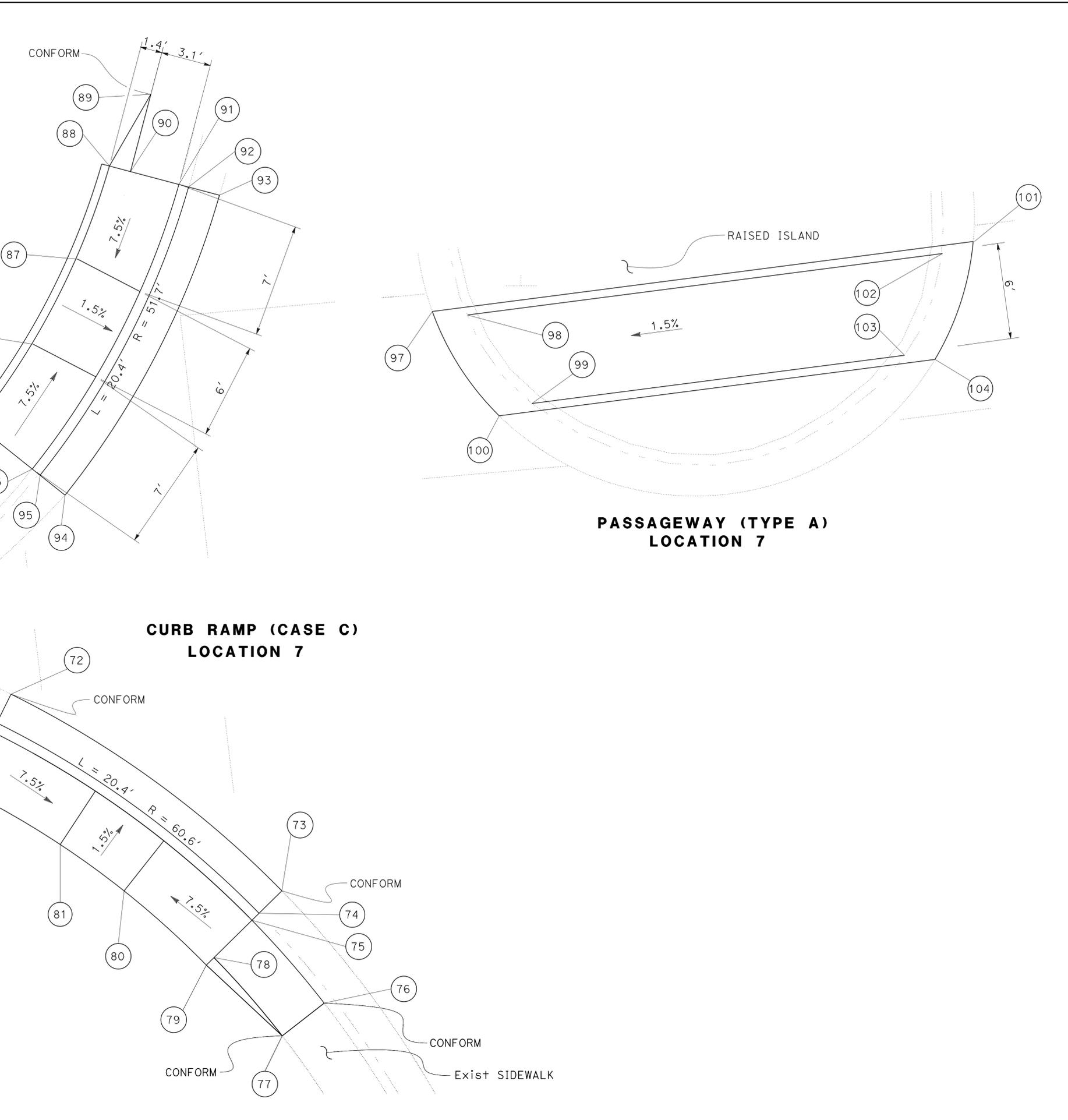
Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 CIVIL

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.



CONSTRUCTION DETAILS
NO SCALE

FUNCTIONAL SUPERVISOR	TAM LY
CALCULATED/DESIGNED BY	CHECKED BY
TUAN HUYNH	TAM LY
REVISOR	DATE
TH	5-27-16



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	12	42

REGISTERED CIVIL ENGINEER
 5-27-16
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 Tuan P. Huynh
 No. 63928
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 CIVIL
 STATE OF CALIFORNIA

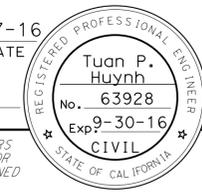
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

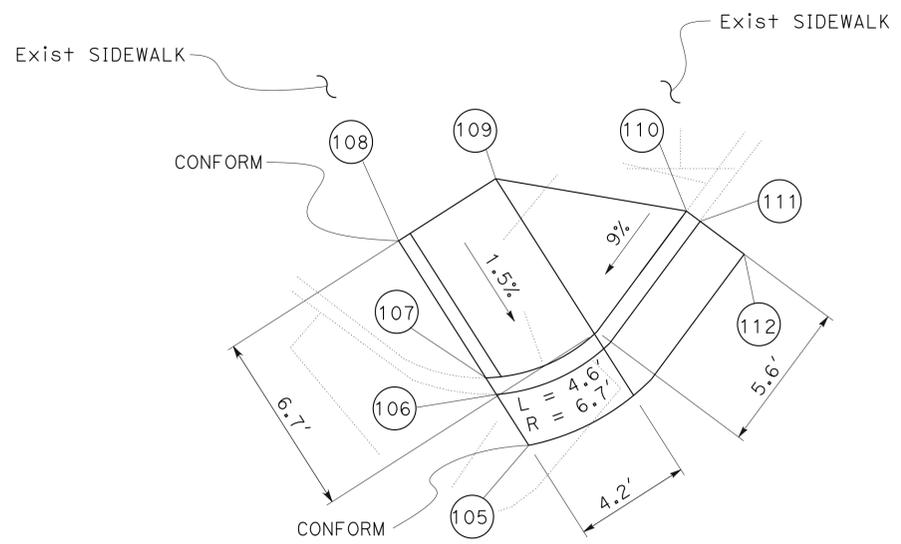
No.	LOCATION	ELEVATION
68	54.71' Lt "L7" 11+13.96	60.87
69	48.60' Lt "L7" 11+10.40	61.17
70	46.75' Lt "L7" 11+13.17	61.15
71	46.40' Lt "L7" 11+13.69	60.65
72	45.30' Lt "L7" 11+15.33	60.85
73	30.08' Lt "L7" 11+00.95	60.44
74	31.68' Lt "L7" 10+99.74	60.28
75	32.17' Lt "L7" 11+99.37	60.78
76	28.37' Lt "L7" 10+93.65	61.59
77	31.19' Lt "L7" 10+91.98	61.64
78	35.38' Lt "L7" 11+96.98	60.87
79	35.38' Lt "L7" 10+96.98	61.32
80	39.88' Lt "L7" 11+02.24	60.80
81	43.47' Lt "L7" 11+05.61	60.61
82	48.97' Lt "L7" 11+09.84	61.13
83	48.03' Lt "L7" 11+73.55	60.75
84	44.14' Lt "L7" 11+76.73	60.83
85	44.59' Lt "L7" 11+77.19	60.83
86	40.45' Lt "L7" 11+81.72	60.50
87	37.01' Lt "L7" 11+86.64	60.75
88	34.19' Lt "L7" 11+92.08	61.21
89	31.53' Lt "L7" 11+96.40	61.32
90	33.32' Lt "L7" 11+91.72	61.22
91	30.03' Lt "L7" 11+90.37	61.17
92	29.44' Lt "L7" 11+90.13	60.80
93	27.60' Lt "L7" 11+89.37	61.03
94	39.63' Lt "L7" 11+72.06	60.61
95	41.03' Lt "L7" 11+73.50	60.36
96	41.46' Lt "L7" 11+73.95	60.39
97	14.65' Rt "L7" 11+90.61	61.99
98	16.72' Rt "L7" 11+90.11	61.90
99	20.06' Rt "L7" 11+84.10	61.96
100	17.95' Rt "L7" 11+83.61	62.00
101	48.85' Rt "L7" 11+90.50	62.06
102	46.71' Rt "L7" 11+90.03	62.00
103	43.62' Rt "L7" 11+84.04	61.99
104	45.45' Rt "L7" 11+83.53	62.04

CONSTRUCTION DETAILS
 NO SCALE

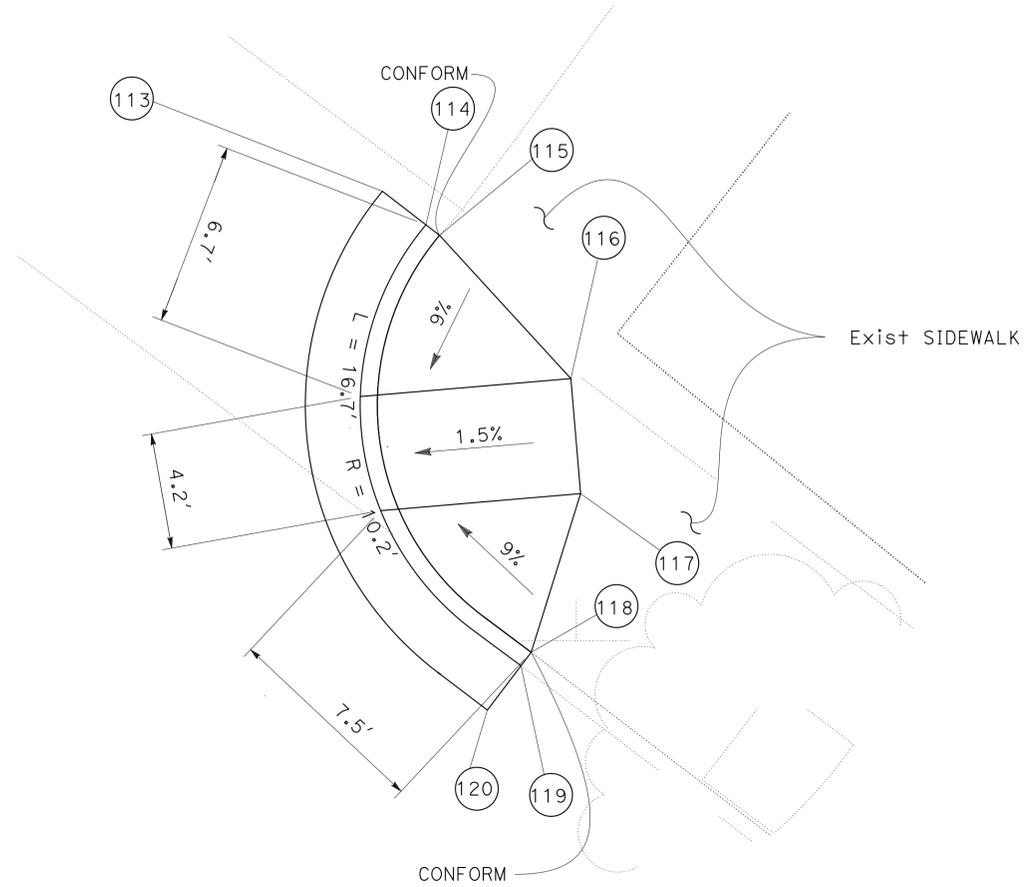
TH	5-27-16
REVISOR	DATE
TUAN HUYNH	TAM LY
CALCULATED/DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	TAM LY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	13	42


 REGISTERED CIVIL ENGINEER
 5-27-16
 DATE
 5-31-16
 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.

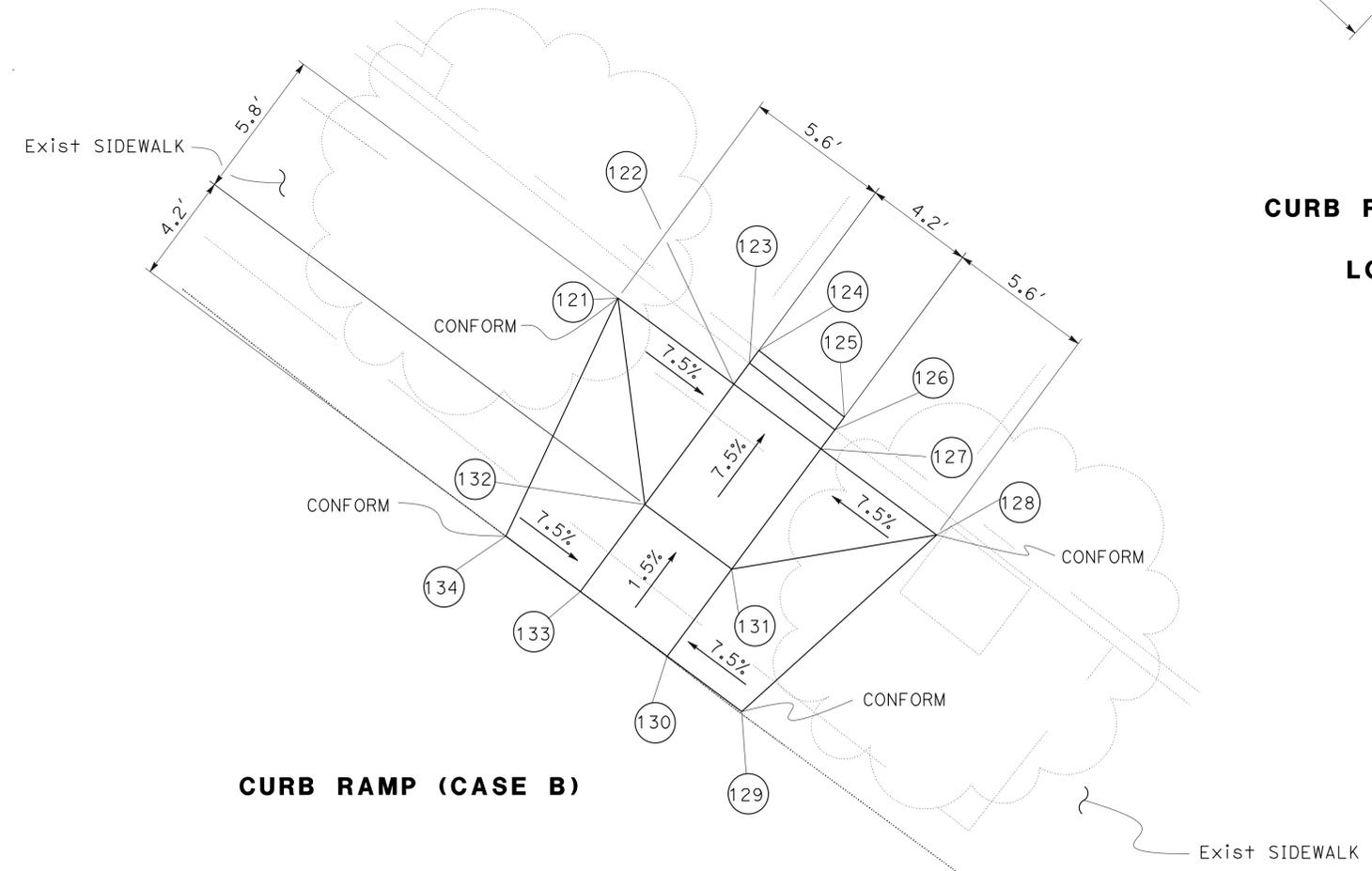


CURB RAMP (CASE A) MODIFIED



**CURB RAMP (CASE A)
LOCATION 8**

No.	LOCATION	ELEVATION
105	19.77' Lt "L8" 11+00.48	244.05
106	20.51' Lt "L8" 10+98.42	244.11
107	20.76' Lt "L8" 10+97.74	244.47
108	22.77' Lt "L8" 10+92.18	244.63
109	26.72' Lt "L8" 10+93.61	244.67
110	30.03' Lt "L8" 10+99.84	244.38
111	30.04' Lt "L8" 11+00.47	243.94
112	30.07' Lt "L8" 11+02.47	244.14
113	30.28' Lt "L8" 11+38.36	243.38
114	30.28' Lt "L8" 11+40.36	243.19
115	30.28' Lt "L8" 11+40.99	243.55
116	28.47' Lt "L8" 11+48.46	243.76
117	25.37' Lt "L8" 11+51.29	243.74
118	20.31' Lt "L8" 11+54.05	243.16
119	19.69' Lt "L8" 11+54.06	243.37
120	17.67' Lt "L8" 11+54.07	244.81
121	32.44' Rt "L8" 11+35.87	244.70
122	32.34' Rt "L8" 11+41.47	244.57
123	31.32' Rt "L8" 11+41.45	244.56
124	30.71' Rt "L8" 11+41.44	244.08
125	30.74' Rt "L8" 11+45.64	244.03
126	31.35' Rt "L8" 11+45.65	244.29
127	32.27' Rt "L8" 11+45.66	244.33
128	32.19' Rt "L8" 11+50.00	244.42
129	42.20' Rt "L8" 11+49.44	244.66
130	42.27' Rt "L8" 11+45.84	244.71
131	38.07' Rt "L8" 11+45.77	244.65
132	38.14' Rt "L8" 11+41.57	244.70
133	42.34' Rt "L8" 11+41.64	244.76
134	42.40' Rt "L8" 11+38.04	244.82



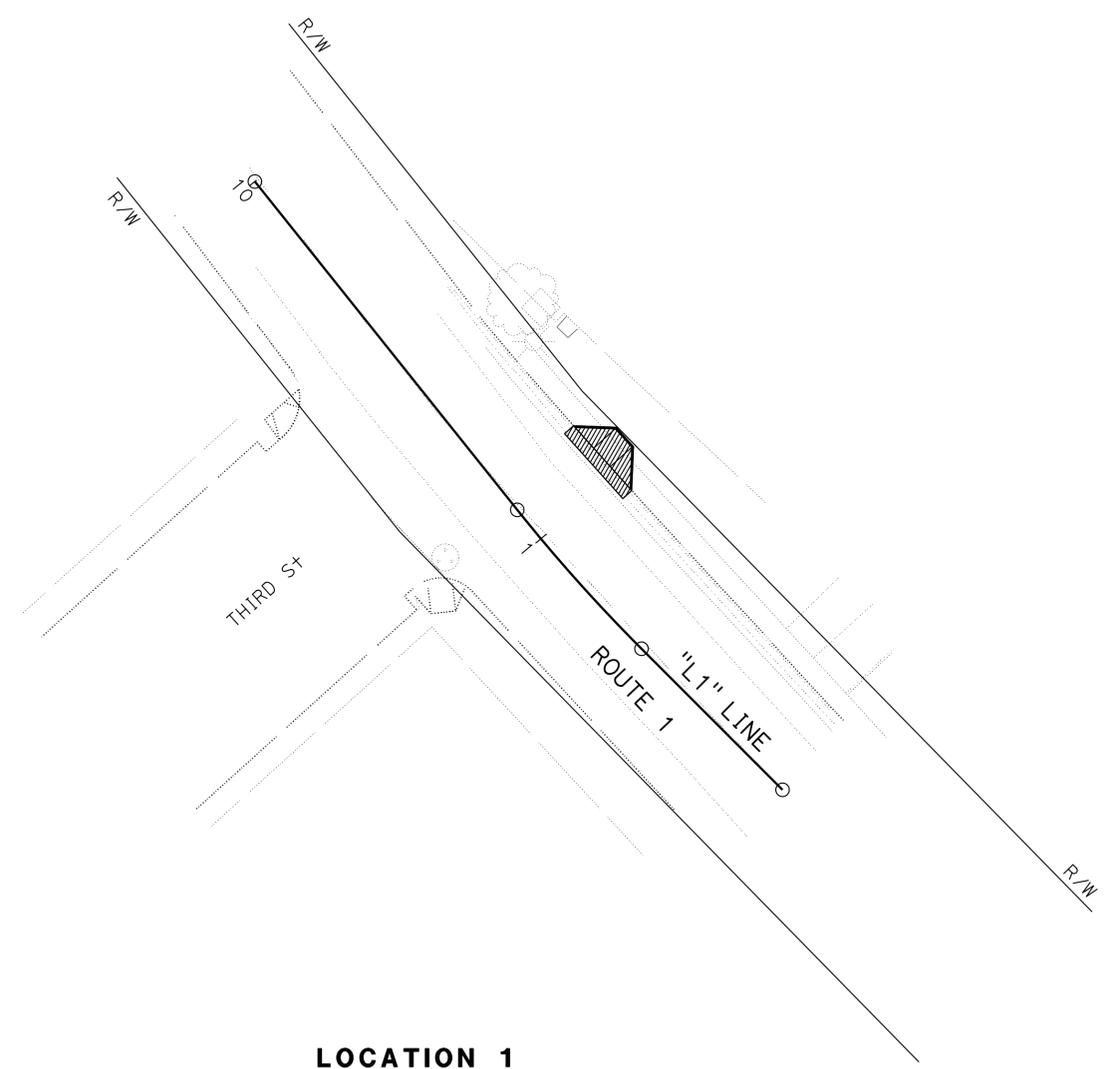
CURB RAMP (CASE B)

CONSTRUCTION DETAILS
NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR	DATE
KAMRAN NAKHJURI	KAMRAN NAKHJURI	JC	5-27-16
CALCULATED-DESIGNED BY	CHECKED BY	REVISOR	DATE

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



LEGEND:



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	14	42
			12-15-15	DATE	
REGISTERED CIVIL ENGINEER			No. 77248		
PLANS APPROVAL DATE			Exp. 6-30-17		
			CIVIL		
<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>					

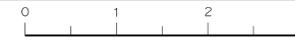


LOCATION 1

TEMPORARY WATER POLLUTION CONTROL PLAN
 NO SCALE

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

WPC-1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	15	42

JCh 12-15-15
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Jiangfan Chen
 No. 77248
 Exp. 6-30-17
 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.



LOCATION 2

TEMPORARY WATER POLLUTION CONTROL PLAN
 NO SCALE

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY [FOR LEGEND, SEE SHEET WPC-1]

WPC-2

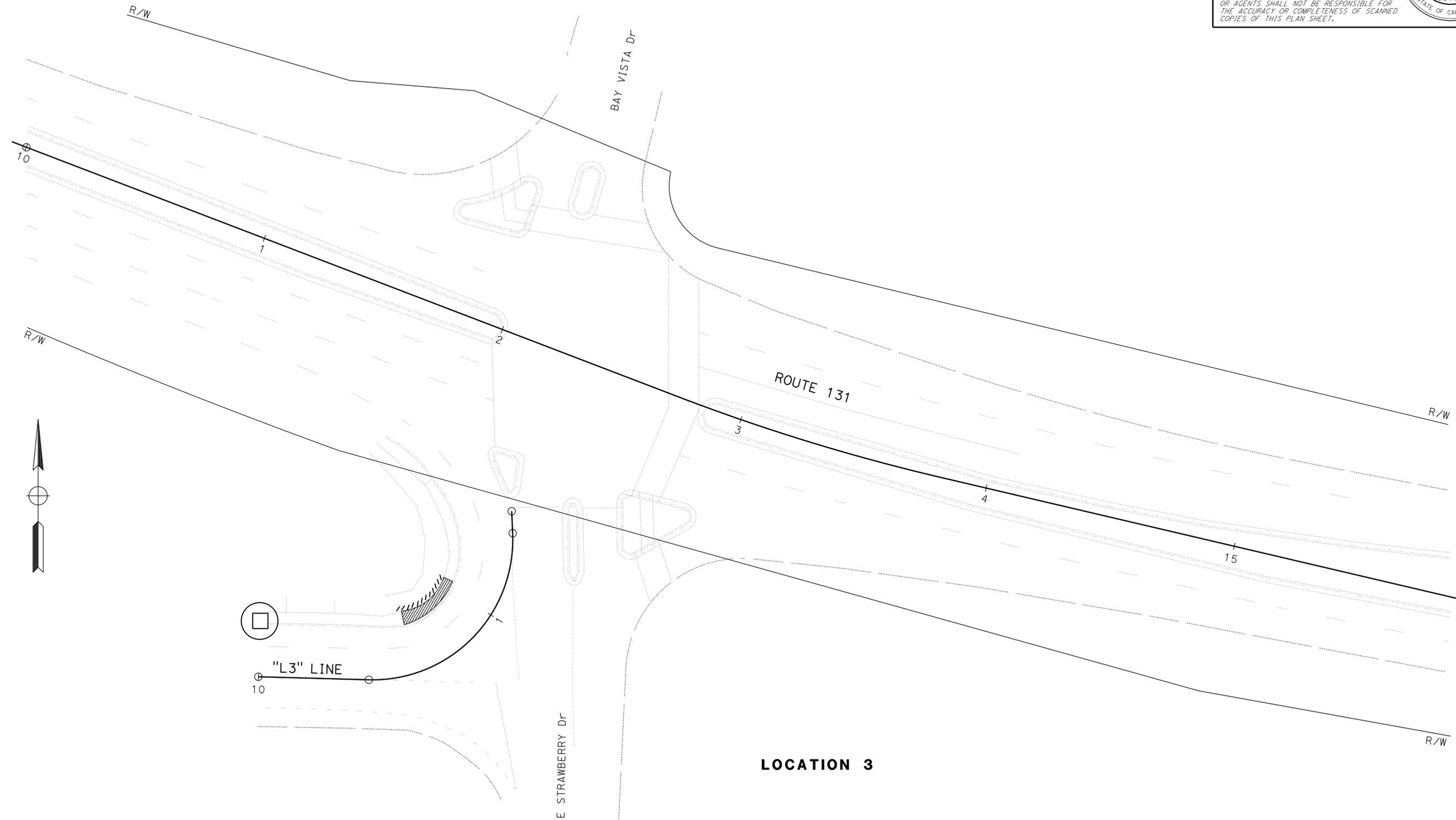
LAST REVISION | DATE PLOTTED => 07-JUN-2016
 03-29-16 | TIME PLOTTED => 07:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn Son,Nap	1,29,116 128, 131	Var	16	42
			12-15-15	DATE	
			5-31-16	PLANS APPROVAL DATE	

REGISTERED CIVIL ENGINEER		DATE	
Jiangfan Chen		12-15-15	
No. 77248		Exp. 6-30-17	
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:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans WATER QUALITY	KAMRAN NAKHJURI	CHECKED BY	JC	5-27-16

TEMPORARY WATER POLLUTION CONTROL PLAN

NO SCALE

WPC-3

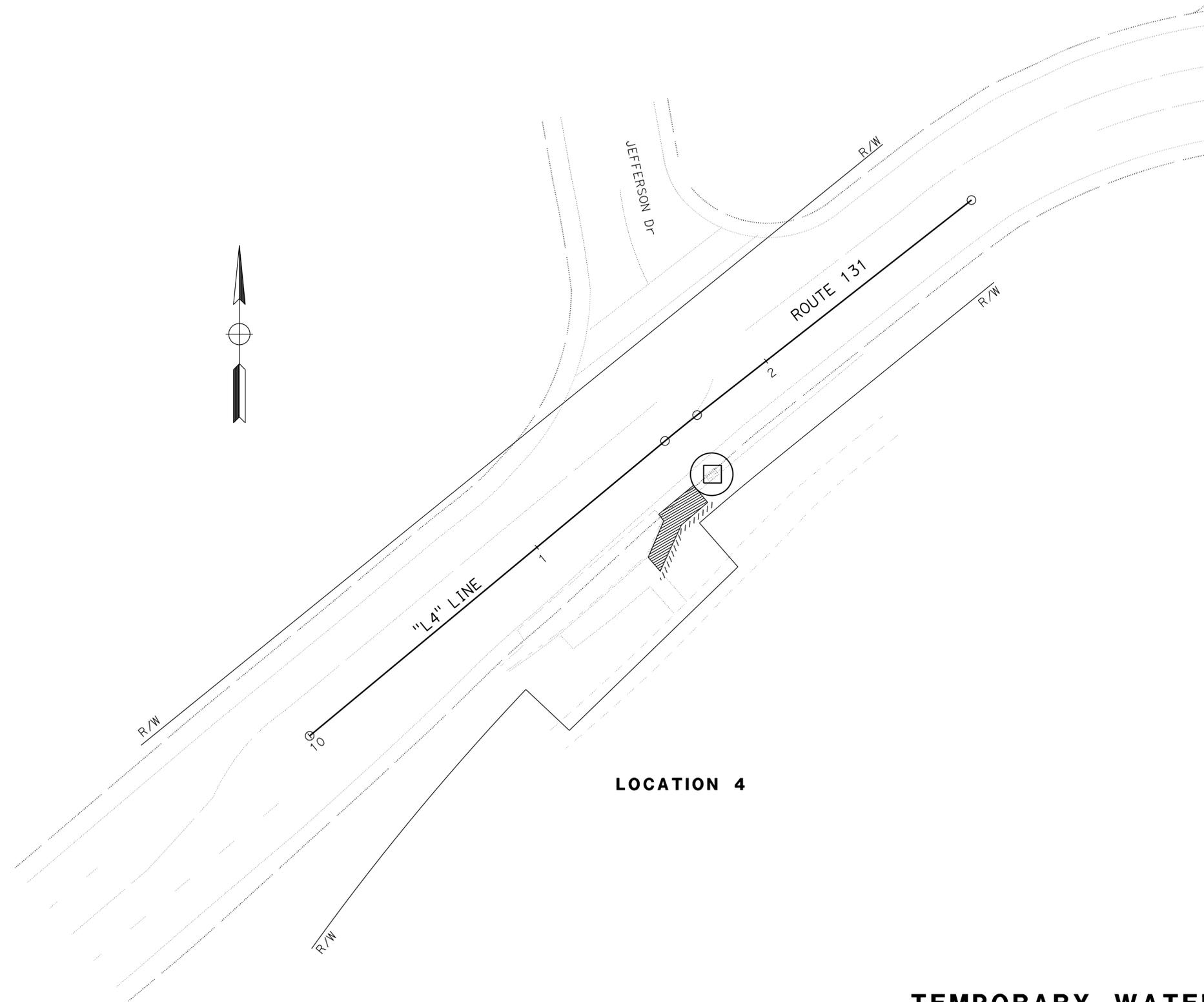
APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

FOR LEGEND, SEE SHEET WPC-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

FUNCTIONAL SUPERVISOR KAMRAN NAKHJURI	CALCULATED-DESIGNED BY CHECKED BY	JENNIFER CHEN KAMRAN NAKHJURI	REVISED BY DATE REVISED	JC 5-27-16
--	--------------------------------------	----------------------------------	----------------------------	---------------

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	17	42

REGISTERED CIVIL ENGINEER: *JCh* 12-15-15
 DATE: 5-31-16
 PLANS APPROVAL DATE: 5-31-16

REGISTERED PROFESSIONAL ENGINEER
 No. 77248
 Exp. 6-30-17
 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.

LOCATION 4

TEMPORARY WATER POLLUTION CONTROL PLAN
 NO SCALE

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY [FOR LEGEND, SEE SHEET WPC-1]

WPC-4

DATE PLOTTED => 03-26-16 TIME PLOTTED =>

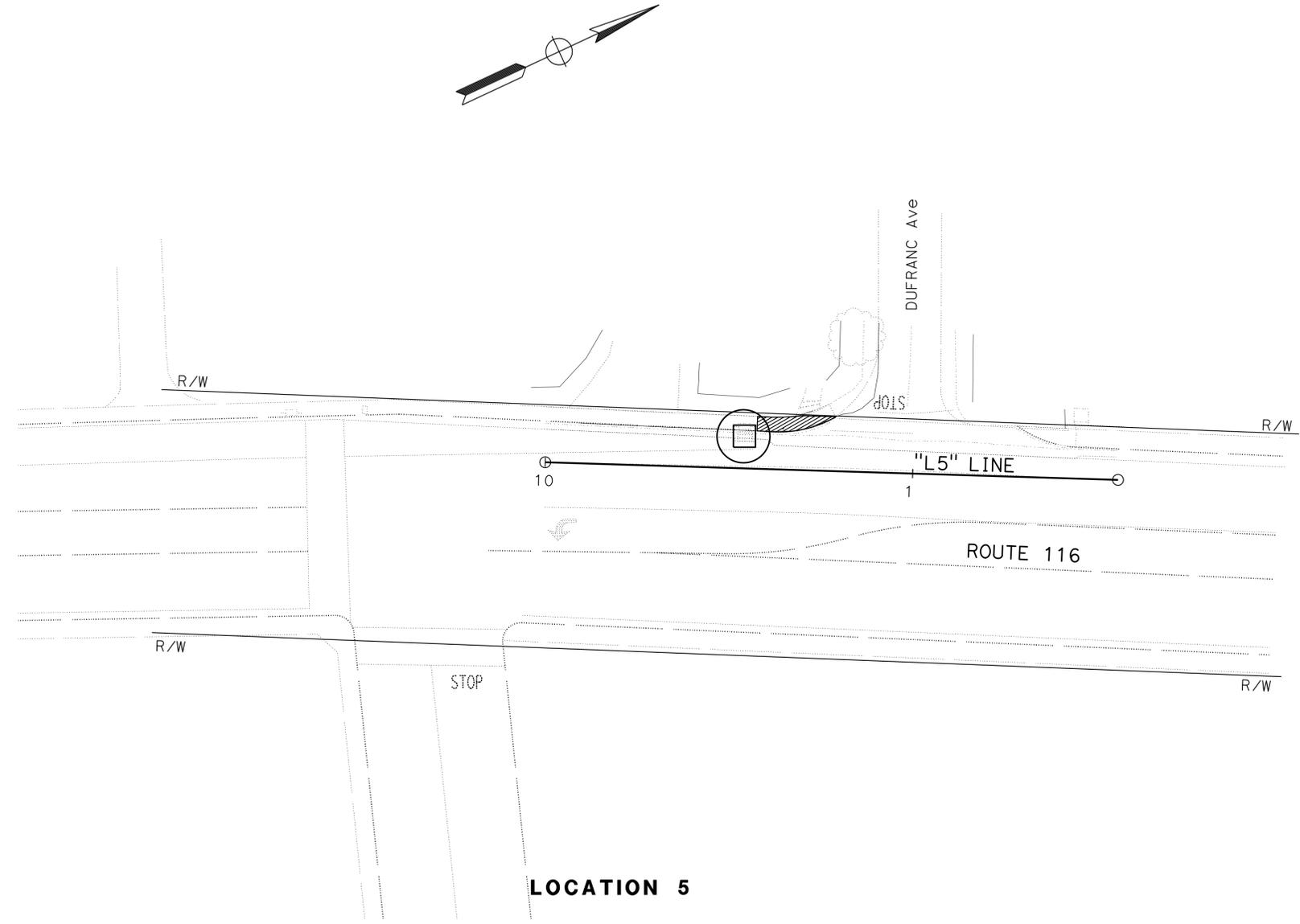
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	18	42

REGISTERED CIVIL ENGINEER: *JCh* 12-15-15
 DATE: 5-31-16
 PLANS APPROVAL DATE: 5-31-16
 No. 77248
 Exp. 6-30-17
 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.



TEMPORARY WATER POLLUTION CONTROL PLAN
 NO SCALE

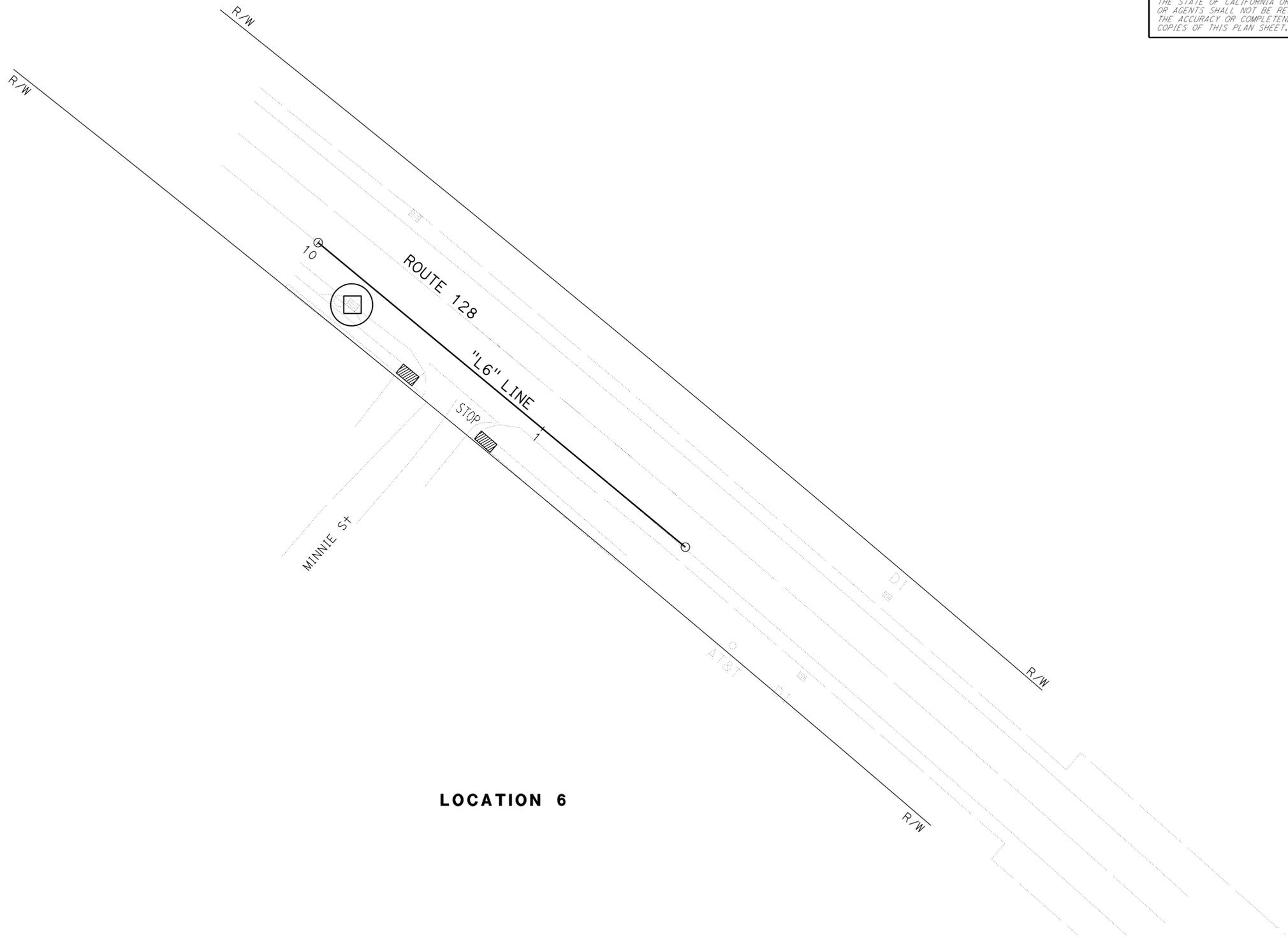
APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY [FOR LEGEND, SEE SHEET WPC-1]

WPC-5

LAST REVISION DATE PLOTTED => 07-JUN-2016
 03-29-16 TIME PLOTTED => 07:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	19	42
			12-15-15	DATE	
REGISTERED CIVIL ENGINEER			DATE		
5-31-16			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>					

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



LOCATION 6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	JENNIFER CHEN	REVISED BY	JC
Caltrans WATER QUALITY	KAMRAN NAKHJURI	CHECKED BY	KAMRAN NAKHJURI	DATE REVISED	5-27-16

TEMPORARY WATER POLLUTION CONTROL PLAN
NO SCALE

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY FOR LEGEND, SEE SHEET WPC-1

WPC-6

LAST REVISION DATE PLOTTED => 07-JUN-2016 03-29-16 TIME PLOTTED => 07:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

FUNCTIONAL SUPERVISOR
 KAMRAN NAKHJURI

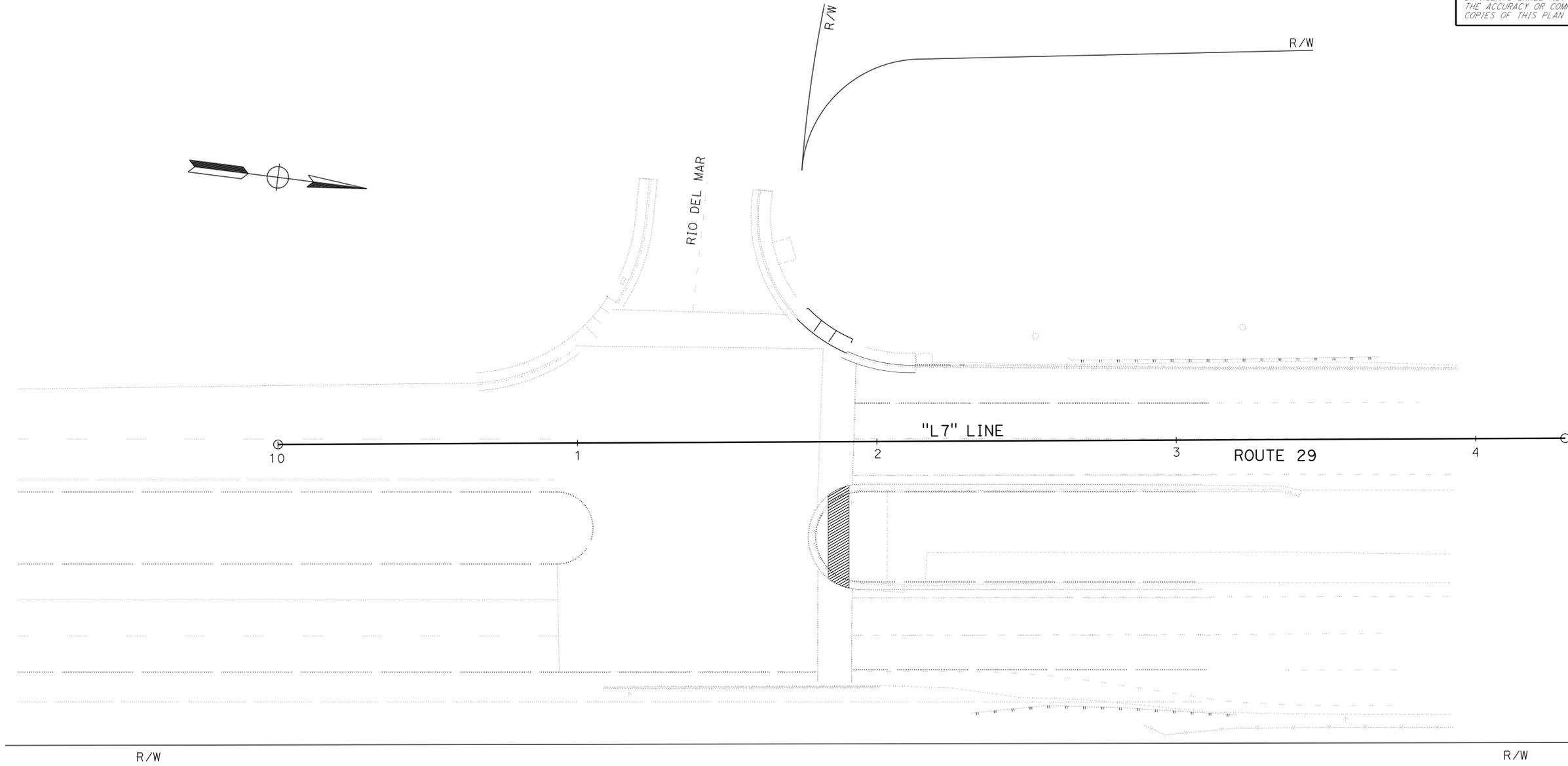
CALCULATED/DESIGNED BY
 CHECKED BY

JENNIFER CHEN
 KAMRAN NAKHJURI

REVISED BY
 DATE REVISED

JC
 5-27-16

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



LOCATION 7

TEMPORARY WATER POLLUTION CONTROL PLAN
 NO SCALE

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

FOR LEGEND, SEE SHEET WPC-1

WPC-7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	20	42

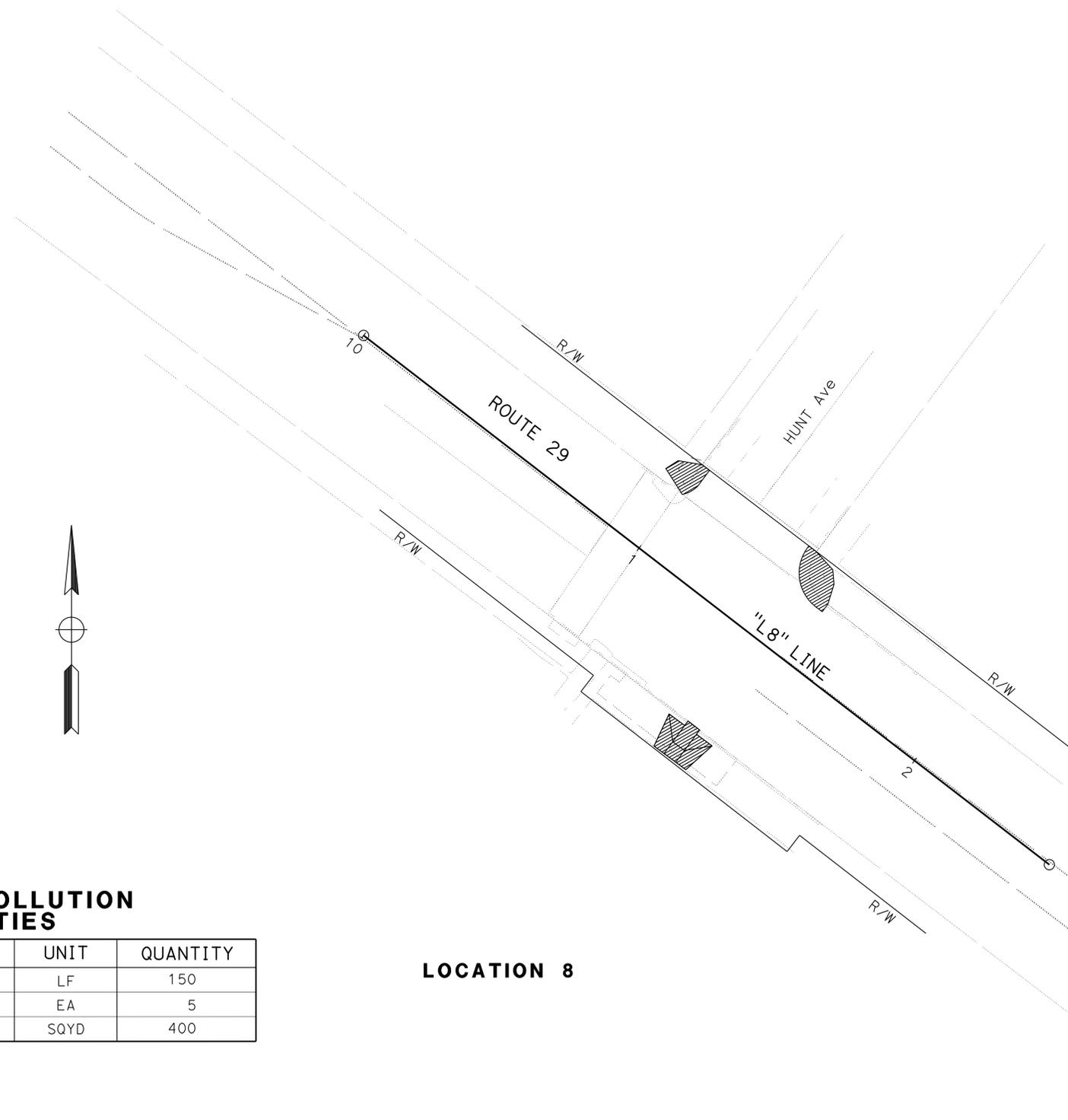
REGISTERED CIVIL ENGINEER DATE 12-15-15
 5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Jiangfan Chen
 No. 77248
 Exp. 6-30-17
 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.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128, 131	Var	21	42
			12-15-15	DATE	
REGISTERED CIVIL ENGINEER			DATE		
5-31-16			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>					

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



TEMPORARY WATER POLLUTION CONTROL QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
VARIOUS	TEMPORARY FIBER ROLL	LF	150
VARIOUS	TEMPORARY DRAINAGE INLET PROTECTION	EA	5
VARIOUS	TEMPORARY COVER	SQYD	400

LOCATION 8

TEMPORARY WATER POLLUTION CONTROL PLAN AND QUANTITIES
NO SCALE

APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

FOR LEGEND, SEE SHEET WPC-1

WPC-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY
 FUNCTIONAL SUPERVISOR: KAMRAN NAKHJURI
 CALCULATED/DESIGNED BY: CHECKED BY:
 JENNIFER CHEN KAMRAN NAKHJURI
 REVISED BY: DATE REVISED:
 JC 5-27-16

LAST REVISION: 03-29-16
 DATE PLOTTED => 07-JUN-2016
 TIME PLOTTED => 07:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans HYDRAULICS

FUNCTIONAL SUPERVISOR
KATHLEEN REILLY

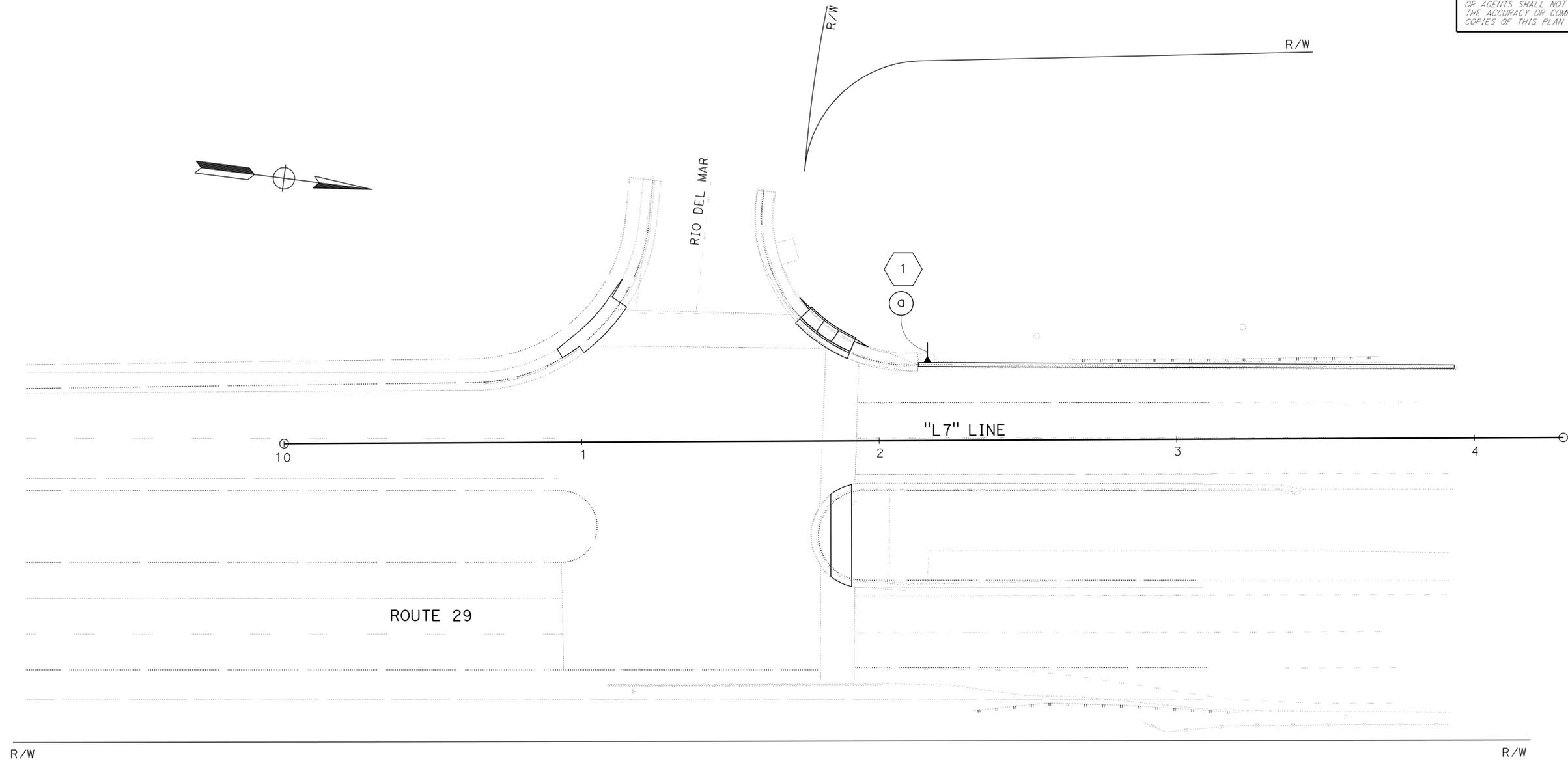
CALCULATED/DESIGNED BY
CHECKED BY

NGHIA NGUYEN
KATHLEEN REILLY

REVISED BY
DATE REVISED

NN
5-27-16

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



LOCATION 7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	22	42

REGISTERED CIVIL ENGINEER DATE 5-27-16

PLANS APPROVAL DATE 5-31-16

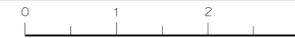
REGISTERED PROFESSIONAL ENGINEER
 Nghia T. Nguyen
 No. 80483
 Exp. 3-31-17
 CIVIL
 STATE OF CALIFORNIA

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.

DRAINAGE PLAN
 SCALE: 1" = 20'

APPROVED FOR DRAINAGE WORK ONLY

D-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	23	42

 5-27-16
 REGISTERED CIVIL ENGINEER DATE

5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 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.

DRAINAGE QUANTITIES

DRAINAGE SHEET No.	DRAINAGE SYSTEM No. 		DRAINAGE UNIT 		DESCRIPTION	STATION	DRAINAGE SYSTEM No. 		DRAINAGE UNIT 	
	TON	SQYD	HMA (TYPE A)	PLACE HMA (MISCELLANEOUS AREA)			TON	SQYD		
D-1	1			5.0	0.3	HMA OVERSIDE DRAIN	25.4' Lt "L7" 12+16.10	1		
TOTAL				5.0	0.3					

DRAINAGE QUANTITIES DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
 HENRY TAM
 RAJESH OBEROI
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 REVISED BY: [blank]
 DATE REVISED: 5-27-16
 HT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	24	42

Rajesh Oberoi 5-31-16
 REGISTERED CIVIL ENGINEER DATE

5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Rajesh Oberoi
 No. 46046
 Exp. 12-31-16
 CIVIL
 STATE OF CALIFORNIA

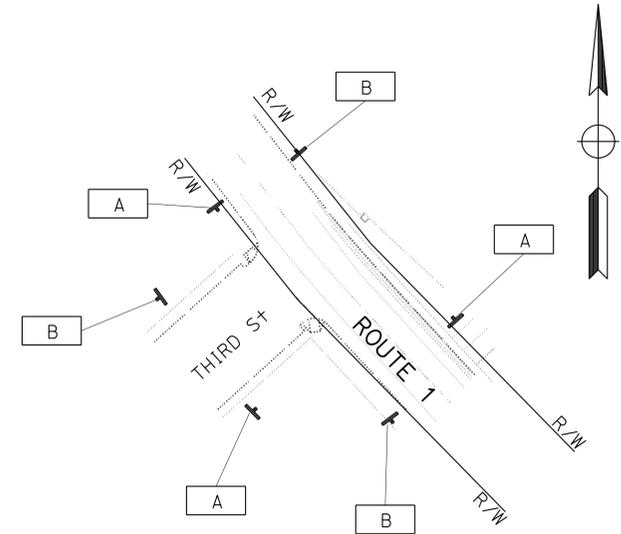
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

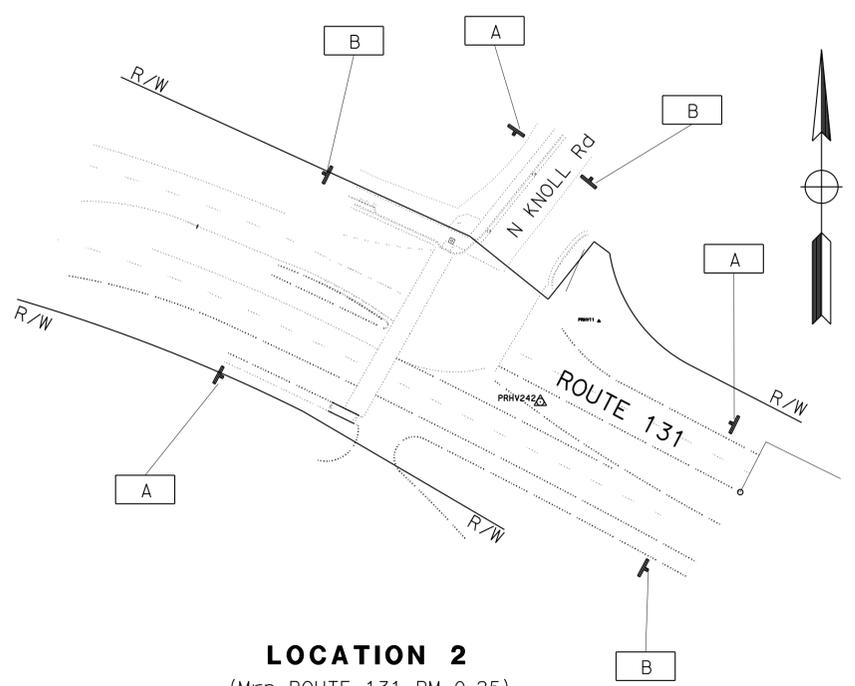
□ CONSTRUCTION AREA SIGN DESIGNATION

NOTES:

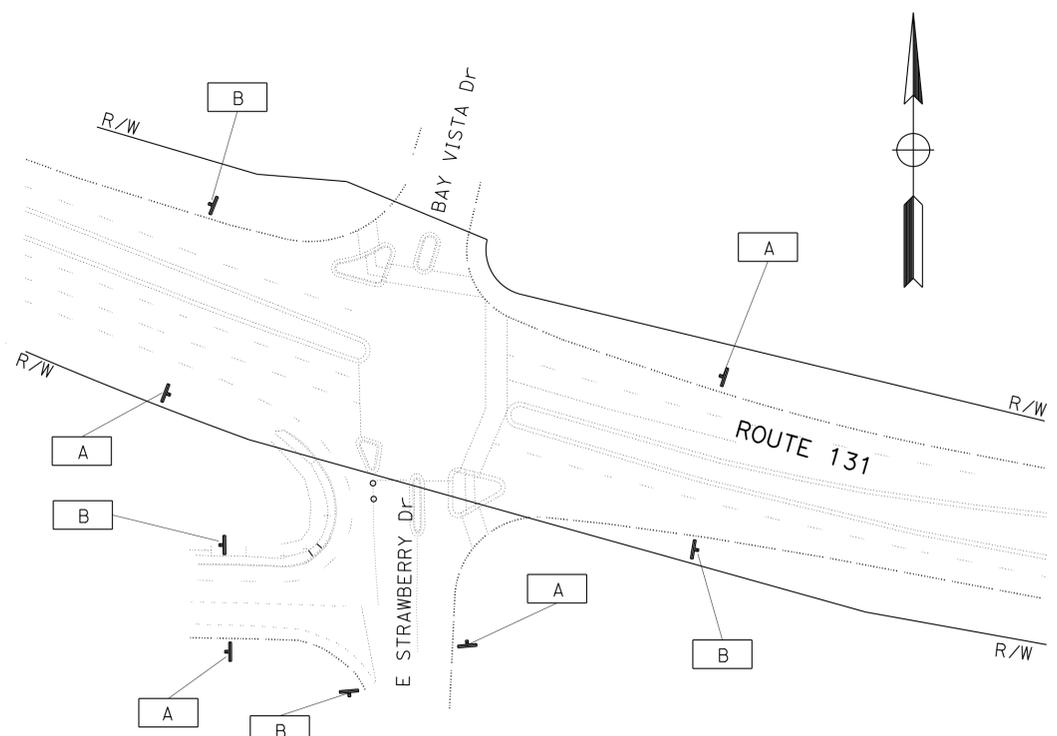
1. EXACT LOCATION AND POSITION OF SIGNS TO BE DETERMINED BY THE ENGINEER.



LOCATION 1
 (Mrn ROUTE 1 PM 28.83)



LOCATION 2
 (Mrn ROUTE 131 PM 0.25)



LOCATION 3
 (Mrn ROUTE 131 PM 0.67)

CONSTRUCTION AREA SIGNS
 NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

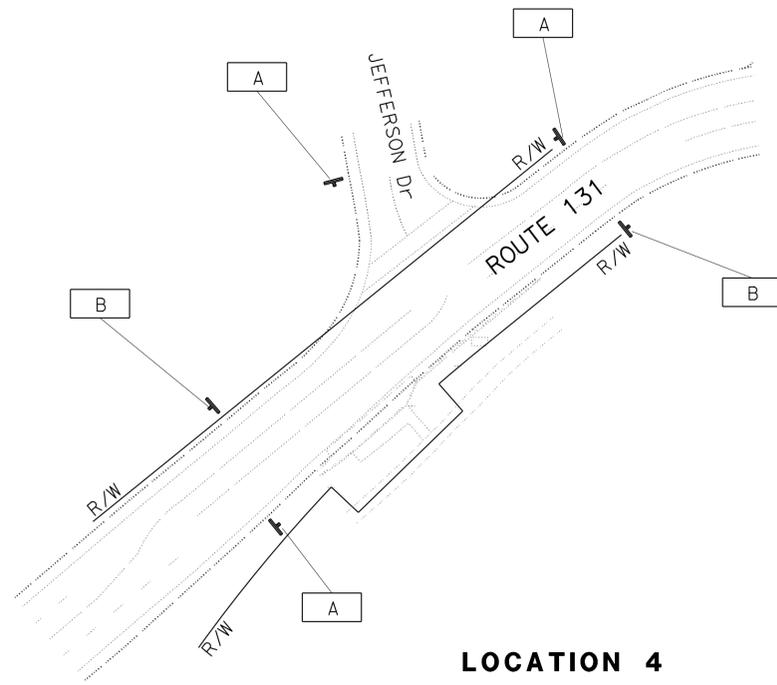
CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	25	42

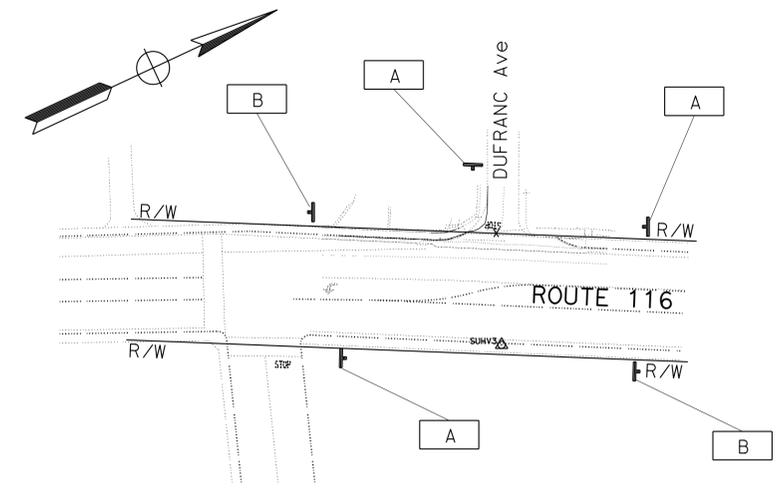
Rajesh Oberoi 5-31-16
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Rajesh Oberoi
 No. 46046
 Exp. 12-31-16
 CIVIL
 STATE OF CALIFORNIA

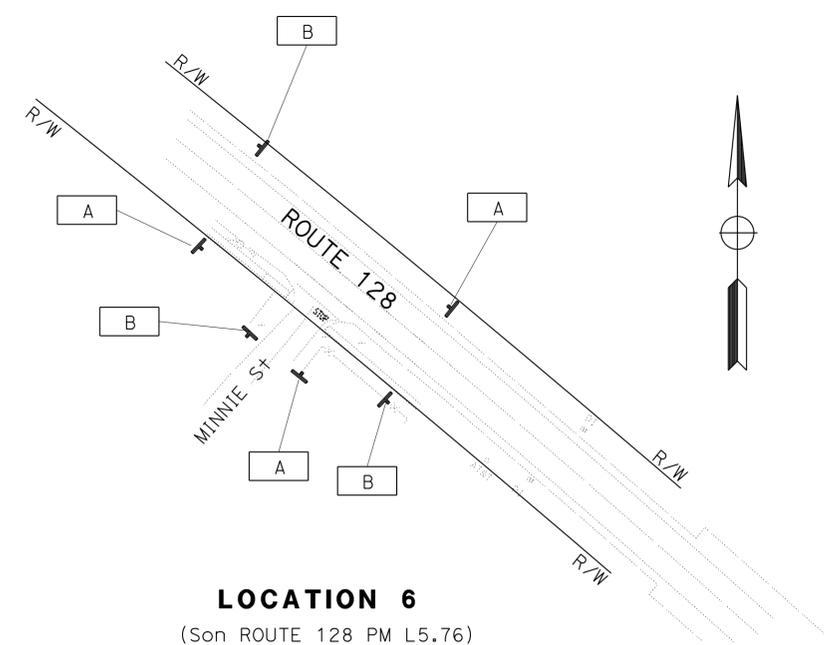
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LOCATION 4
(Mrn ROUTE 131 PM 1.79)



LOCATION 5
(Son ROUTE 116 PM 26.13)



LOCATION 6
(Son ROUTE 128 PM L5.76)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
 HENRY TAM
 RAJESH OBEROI
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 REVISOR: HT
 DATE: 5-27-16

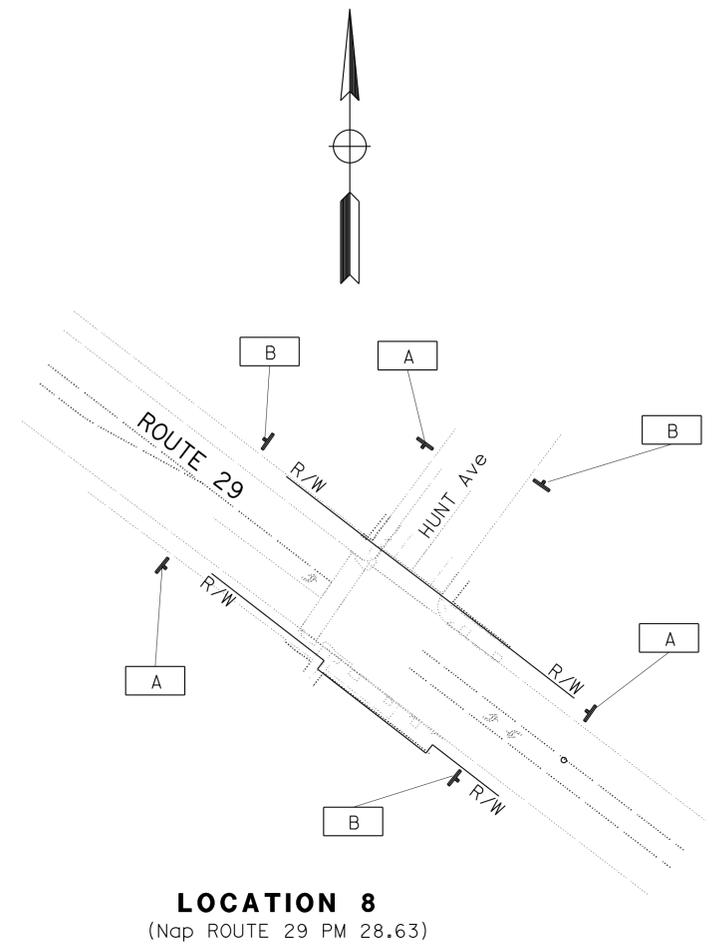
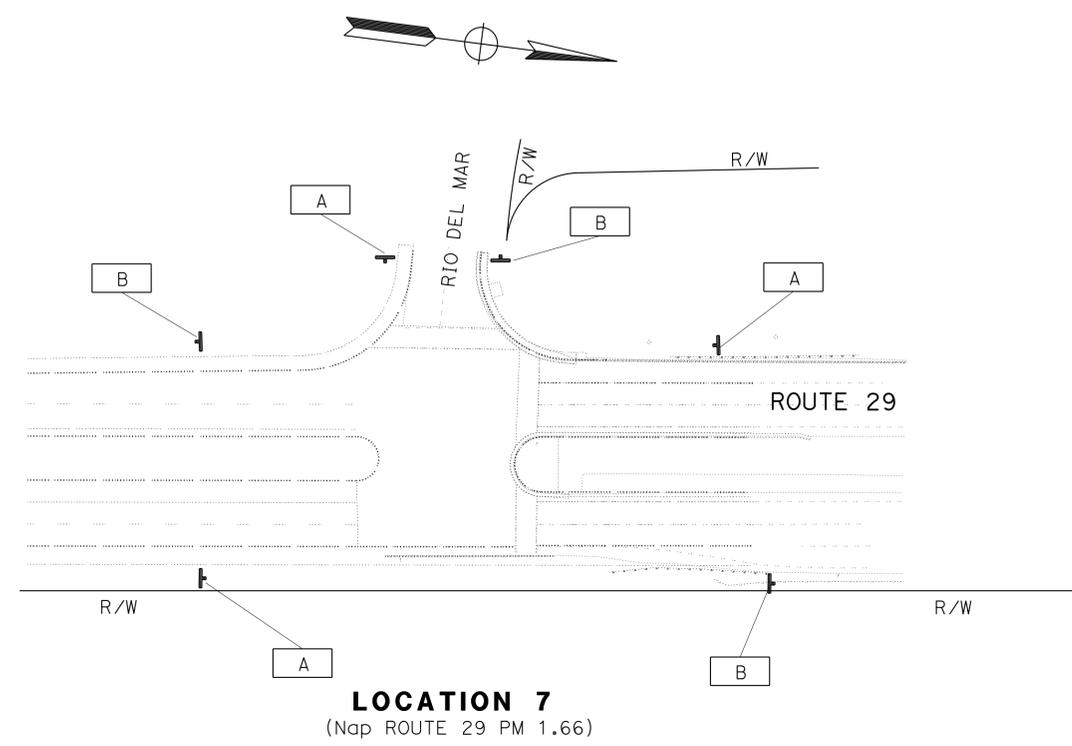
APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

CONSTRUCTION AREA SIGNS
NO SCALE

CS-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	26	42
<i>Rajesh Oberoi</i> 5-31-16 REGISTERED CIVIL ENGINEER DATE					
5-31-16			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>					



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	MUTCD CODE	MESSAGE	PANEL SIZE	NUMBER OF POST AND SIZE	No. OF SIGNS
A	W20-1	ROAD WORK AHEAD	48" x 48"	(ONE) 4" x 6"	25
B	G20-2	END ROAD WORK	36" x 18"	(ONE) 4" x 4"	23

CONSTRUCTION AREA SIGNS
NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

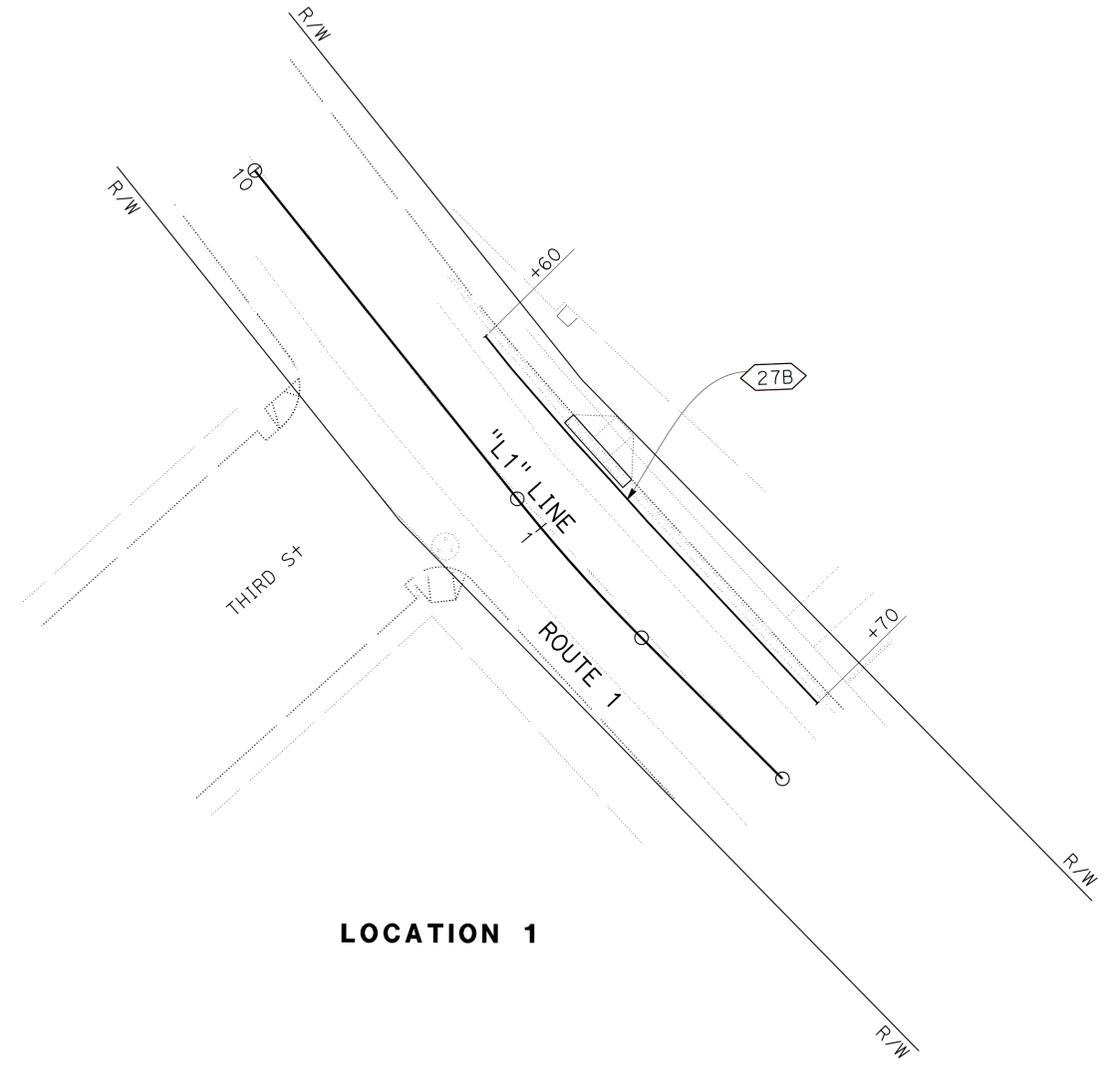
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET CS-1

CS-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC
 FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
 CALCULATED/DESIGNED BY: HENRY TAM
 CHECKED BY: RAJESH OBEROI
 REVISOR: HT
 DATE: 5-27-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans DESIGN	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	TUAN HUYNH	REVISOR	TH
	TAM LY	CHECKED BY	TAM LY	DATE REVISED	5-27-16

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



LOCATION 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	27	42
			5-27-16		
			REGISTERED CIVIL ENGINEER	DATE	
			5-31-16	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>					

PAVEMENT DELINEATION PLAN
SCALE: 1" = 50'

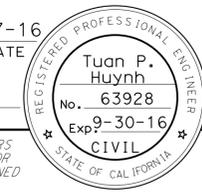
APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	28	42
			5-27-16		
			REGISTERED CIVIL ENGINEER	DATE	
			5-31-16	PLANS APPROVAL DATE	



Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 CIVIL

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LOCATION 2

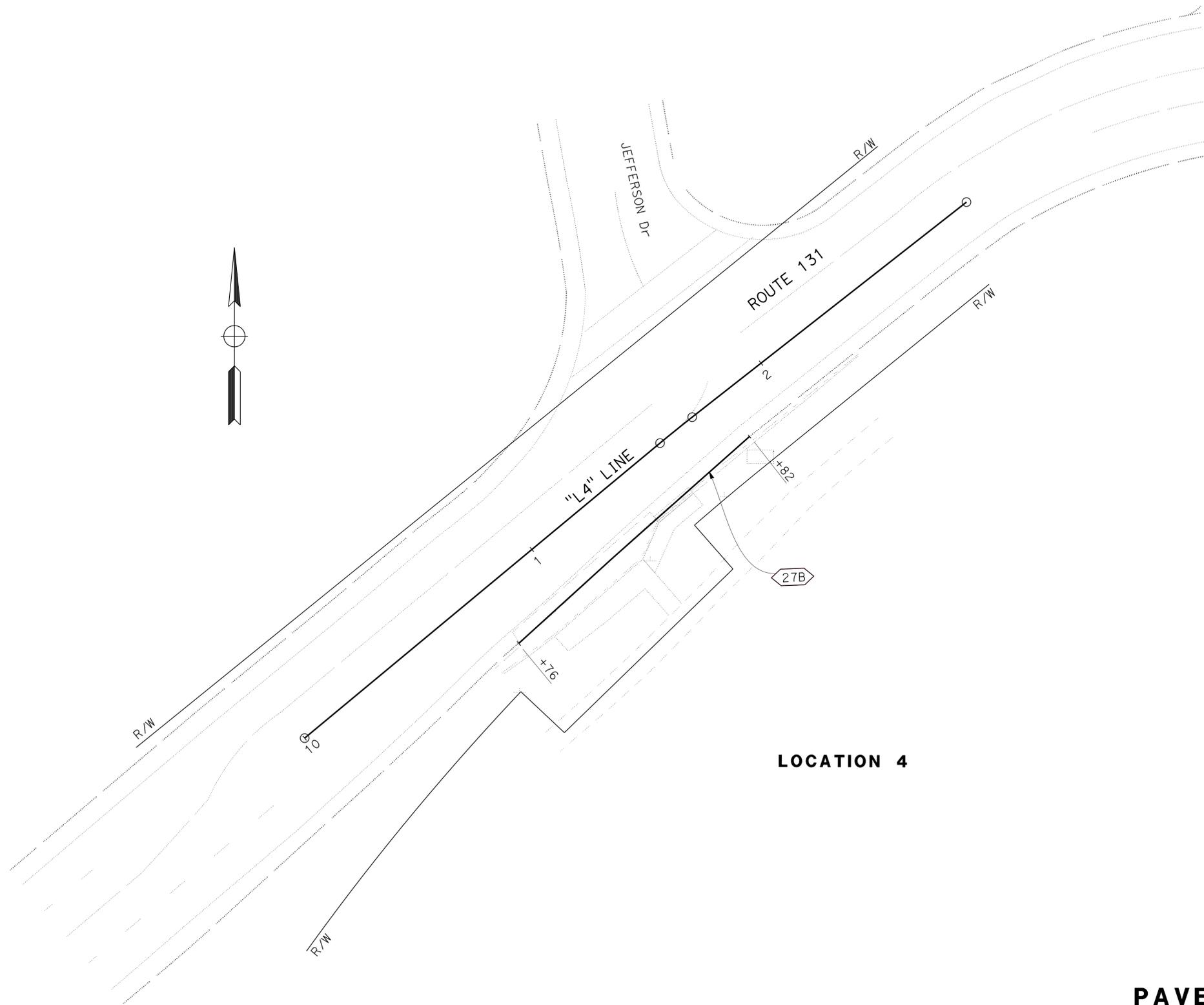
PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

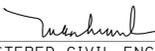
PD-2

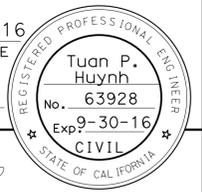
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
			TH	5-27-16
Caltrans	DESIGN	CHECKED BY	DESIGNED BY	DATE
			DESIGNED BY	DATE

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



LOCATION 4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	29	42
			5-27-16	DATE	
REGISTERED CIVIL ENGINEER			Tuan P. Huynh		
5-31-16			No. 63928		
PLANS APPROVAL DATE			Exp. 9-30-16		
<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>					



PAVEMENT DELINEATION PLAN
SCALE: 1" = 50'

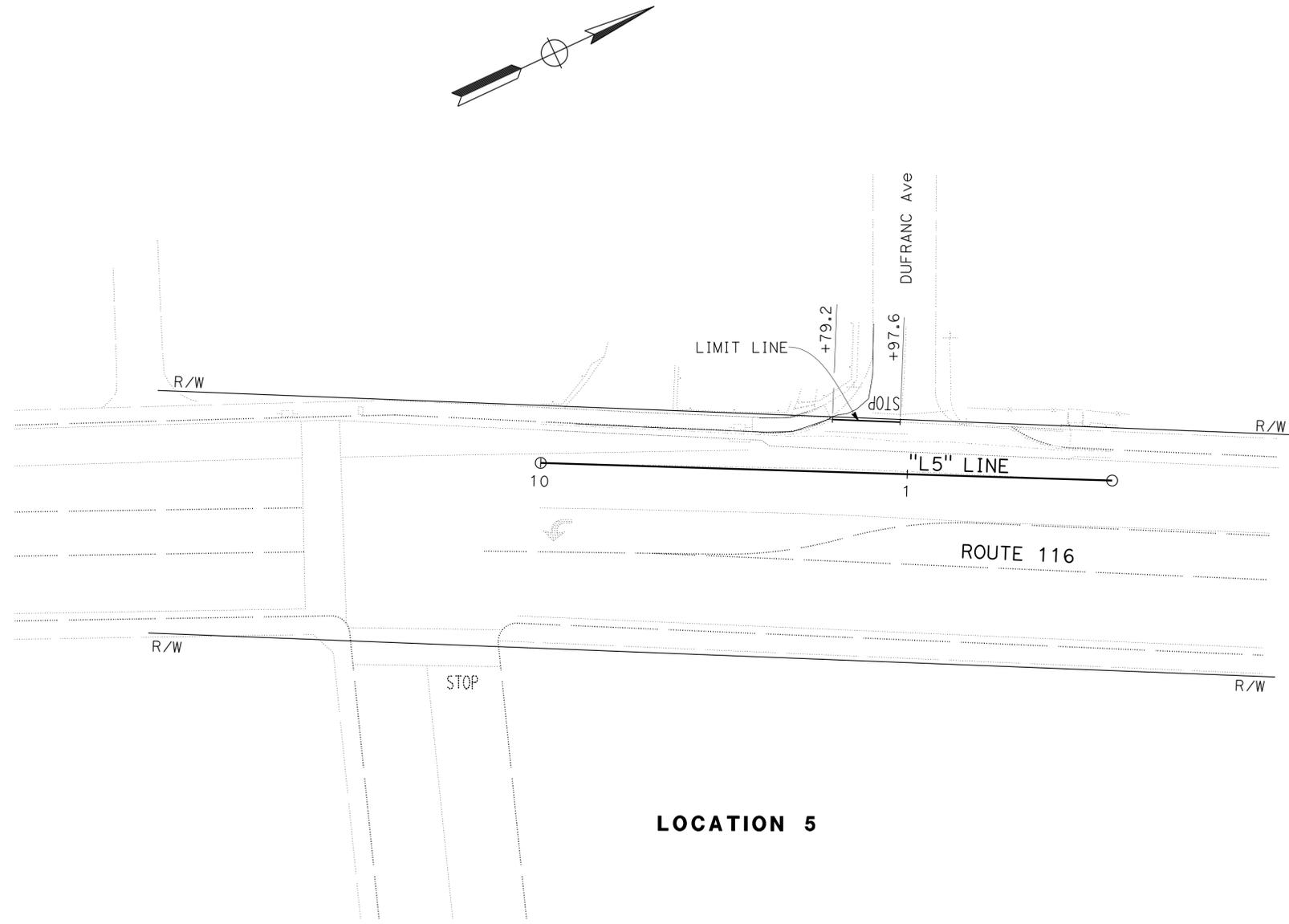
PD-3

LAST REVISION | DATE PLOTTED => 07-JUN-2016
03-08-16 | TIME PLOTTED => 07:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	TUAN HUYNH	REVISOR	TH
Caltrans	TAM LY	CHECKED BY	TAM LY	DATE	5-27-16
DESIGN					

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	30	42
			5-27-16	DATE	
			5-31-16	PLANS APPROVAL DATE	
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LOCATION 5

PAVEMENT DELINEATION PLAN
SCALE: 1" = 50'

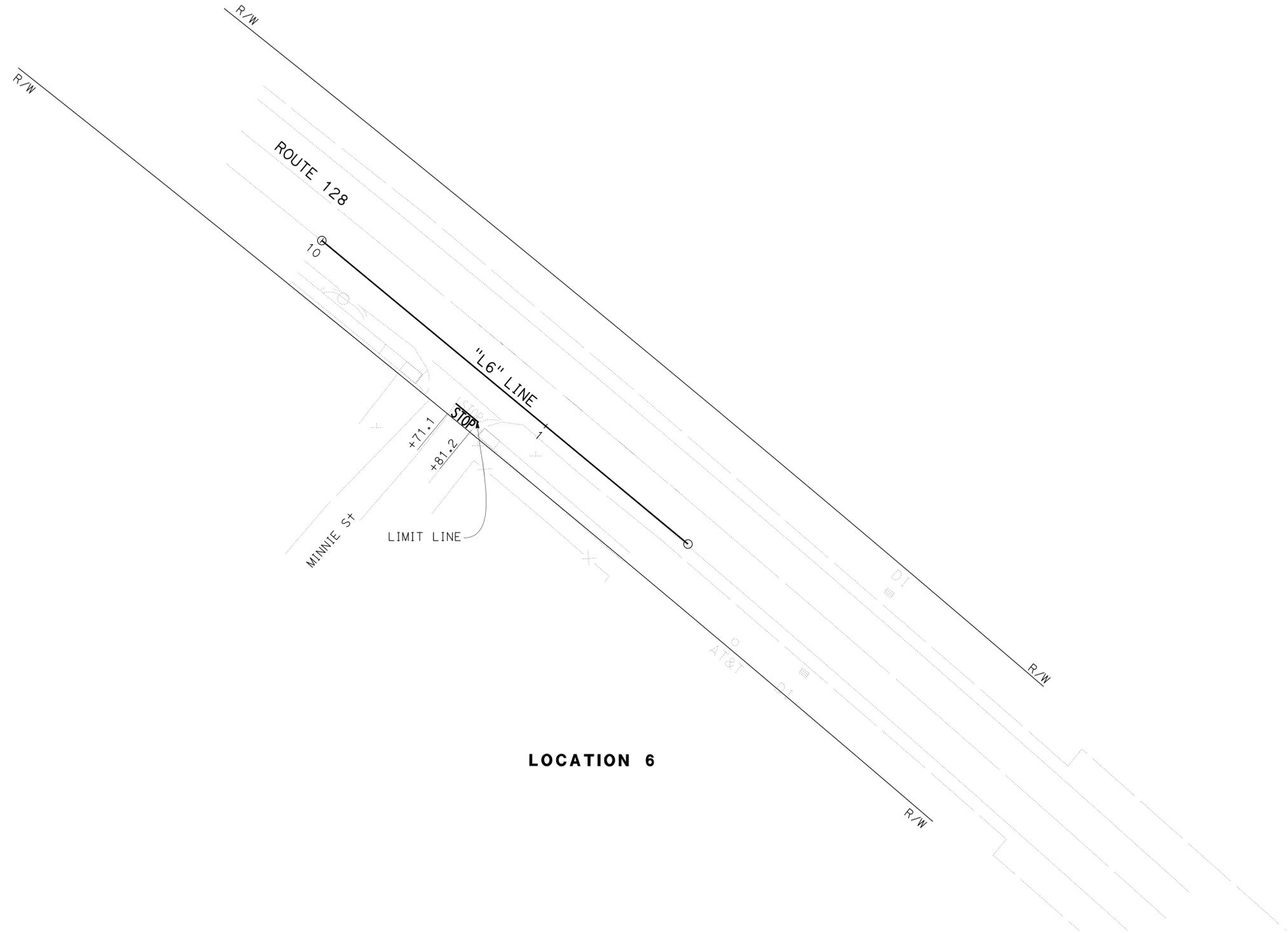
PD-4

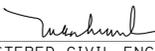
APPROVED FOR PAVEMENT DELINEATION WORK ONLY

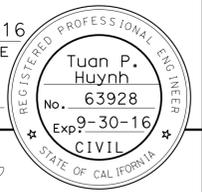


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans DESIGN	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	TUAN HUYNH	REVISOR	TH
	TAM LY	CHECKED BY	TAM LY	DATE REVISED	5-27-16

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	31	42
			5-27-16	DATE	
REGISTERED CIVIL ENGINEER			Tuan P. Huynh		
5-31-16			No. 63928		
PLANS APPROVAL DATE			Exp. 9-30-16		
<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>					



LOCATION 6

PAVEMENT DELINEATION PLAN
SCALE: 1" = 50'

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

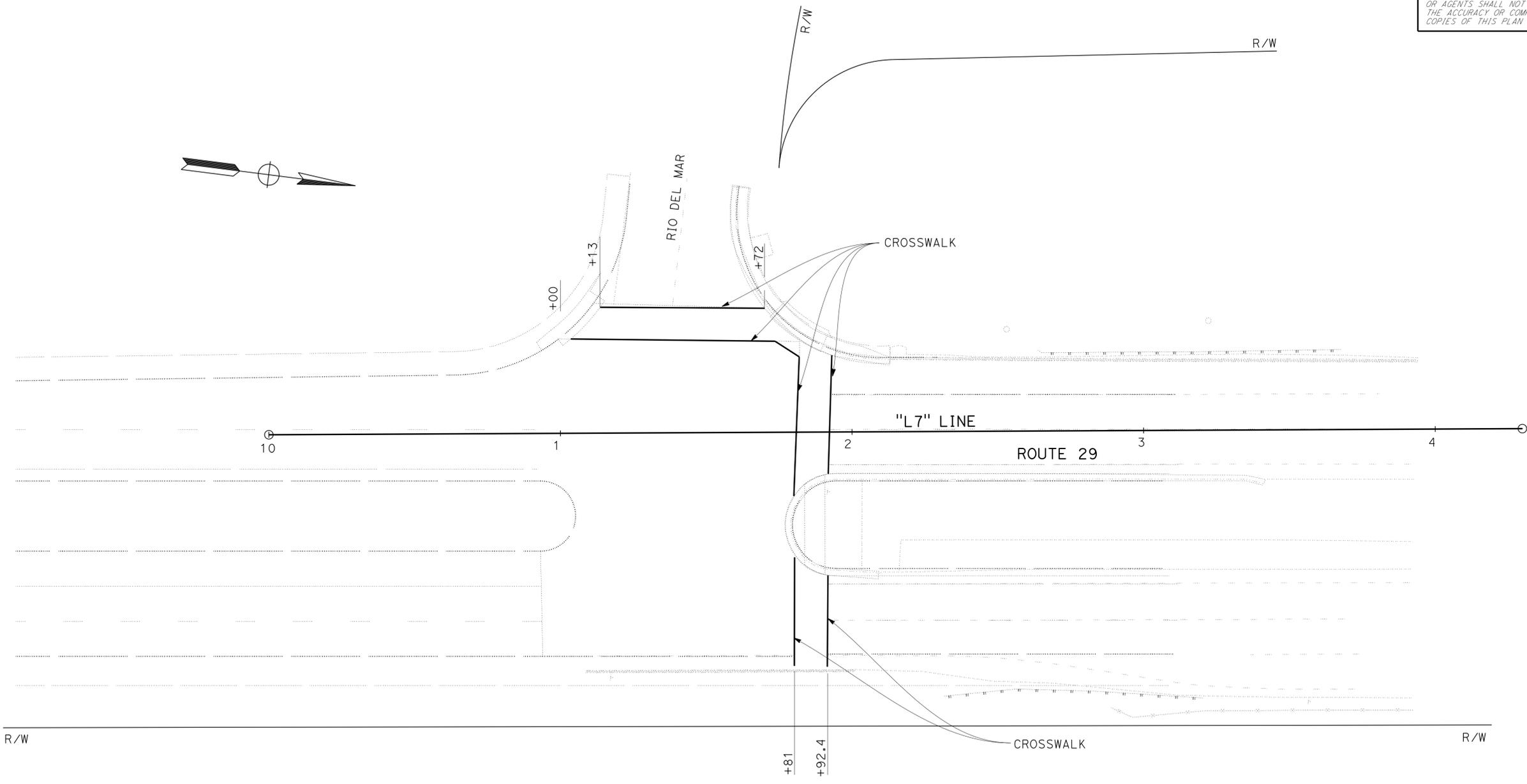
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	32	42

5-27-16
 REGISTERED CIVIL ENGINEER DATE
 5-31-16
 PLANS APPROVAL DATE

Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 CIVIL
 STATE OF CALIFORNIA

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LOCATION 7

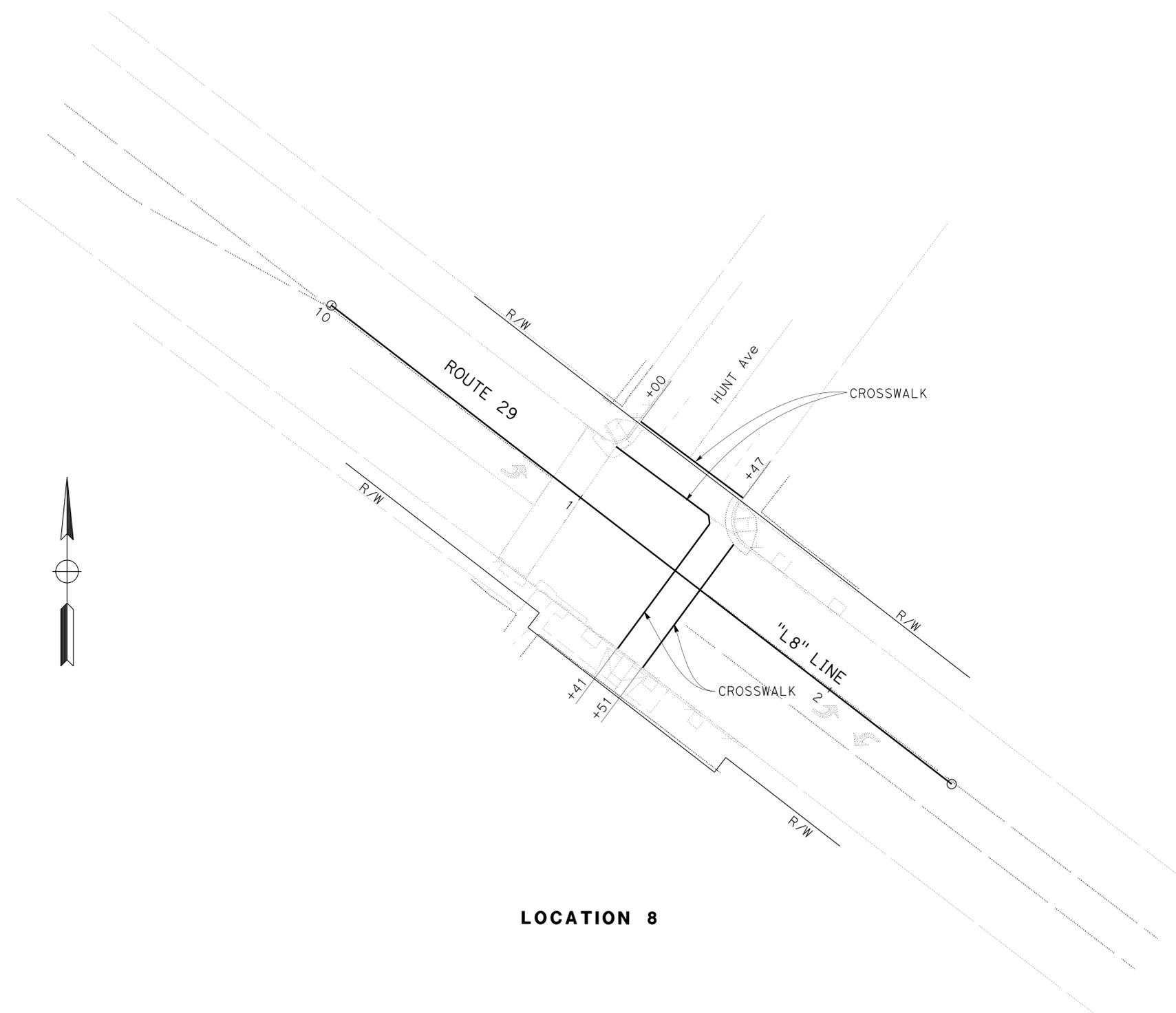
PAVEMENT DELINEATION PLAN
 SCALE: 1" = 50'

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PD-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	33	42
			5-27-16	DATE	
			5-31-16	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>					

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



LOCATION 8

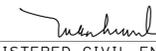
PAVEMENT DELINEATION PLAN
SCALE: 1" = 50'

PD-7

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	
CALCULATED-DESIGNED BY	CHECKED BY
REVISOR	DATE
TH	5-27-16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son,Nap	1,29,116, 128,131	Var	34	42

 5-27-16
 REGISTERED CIVIL ENGINEER DATE

5-31-16
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Tuan P. Huynh
 No. 63928
 Exp. 9-30-16
 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.

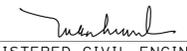
TRAFFIC STRIPES AND PAVEMENT MARKINGS

SHEET No.	STATION LIMITS	PAVEMENT MARKING AND DESCRIPTION	REMOVE THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE
			SQFT		4" WHITE LF
PD-1	"L1" 10+60 TO 11+70	27B			110
PD-2	"L2" 11+19.20	CROSSWALK	101	101	
	"L2" 11+30.80	CROSSWALK	100	100	
PD-3	"L4" 10+76 TO 11+82	27B			106
PD-4	"L5" 10+79.2 TO 10+97.6	LIMIT LINE	19	19	
	"L5" 10+92	STOP	22	22	
PD-5	"L6" 10+71.1 TO 10+81.2	LIMIT LINE	10	10	
	"L6" 10+75	STOP	22	22	
PD-6	"L7" 11+00 TO 11+81	CROSSWALK	84	84	
	"L7" 11+13 TO 11+72	CROSSWALK	59	59	
	"L7" 11+81	CROSSWALK	85	85	
	"L7" 11+92.4	CROSSWALK	70	71	
PD-7	"L8" 11+00 TO 11+41	CROSSWALK	41	41	
	"L8" 11+00 TO 11+47	CROSSWALK	47	47	
	"L8" 11+41	CROSSWALK		50	
	"L8" 11+51	CROSSWALK		49	
SUBTOTAL			660	760	216
TOTAL			660	760	216

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR
 TAM LY
 CALCULATED/DESIGNED BY
 CHECKED BY
 TUAN HUYNH
 TAM LY
 REVISED BY
 DATE REVISED
 TH
 5-27-16

PAVEMENT DELINEATION QUANTITIES PDD-1

LAST REVISION
 DATE PLOTTED => 07-JUN-2016
 TIME PLOTTED => 07:18
 04-29-16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1,29,116, 128,131	Var	35	42
			5-27-16	DATE	
REGISTERED CIVIL ENGINEER			Tuan P. Huynh		
No. 63928			Exp. 9-30-16		
5-31-16			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>					

ROADWAY QUANTITIES

SHEET No.	LOCATION	STATION	CURB RAMP AND PASSAGEWAY DETAILS (N)	DETECTABLE WARNING SURFACE	MINOR CONCRETE			REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK)	ROADWAY EXCAVATION	REMOVE ASPHALT CONCRETE DIKE	ADJUST UTILITY COVER TO GRADE	HMA (TYPE A)	
					CURB RAMP	CURB	SIDEWALK						
				SQFT	CY								
								LF	EA	TON			
L-1	THIRD St	L+ "L1" 10+85.33	CASE A	20	1.6	1.2		2.9					
L-2	N KNOLL Rd	L+ "L2" 11+99.96 L+ "L2" 11+29.26	CASE C (Mod)	20	1.4	1.9		3.4			1		
L-3	E STRAWBERRY Dr	L+ "L3" 10+64.36	CASE C	20	1.9	1.8		3.7					
L-4	JEFFERSON Dr	R+ "L4" 11+26.91	CASE C	20	1.7	1.0	2.0	2.7	2.0				
L-5	DUFRANC Ave	L+ "L5" 10+57.33	CASE CM	60	1.3	1.4		2.7					
L-6	MINNIE St	L+ "L6" 10+49.02	CASE CM (Mod)	60	1.1			1.1					
L-7	RIO DEL MAR	"L7" 10+00.95	CASE C	20	2.9	1.4		4.3					
		L+ "L7" 11+72.06	CASE C	20	3.0	1.4		4.4					
		"L7" 11+83.61 R+/PASSAGEWAY	TYPE A	100	5.3	1.4		5.5					
		FROM SHEET DQ-1										5.0	
		FROM HMA DIKE										2.5	
L-8	HUNT Ave	L+ "L7" 12+13.25 TO 13+94.02								180			
		L+ "L8" 11+00.48	CASE A (Mod)	20	2.3	0.7		3.0					
		L+ "L8" 11+38.36	CASE A	20	2.6	0.4		3.0					
		R+ "L8" 11+35.86	CASE B	20	1.4	1.4		2.8					
SUBTOTAL				400	26.5	14.0	2.0			180	1		
TOTAL				400		42.5		39.5	2.0	180	1	7.5	

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

HMA DIKE

STATION LIMIT	SIDE	PLACE HMA DIKE	HMA (TYPE A)
		TYPE E	
		LF	TON
"L7" 12+13.25 TO 13+94.02	L+	180	2.5
TOTAL		180	2.5

SUMMARY OF QUANTITIES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC
 TUAN HUYNH
 TAM LY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 TAM LY
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED
 TH
 5-27-16

LAST REVISION DATE PLOTTED => 07-JUN-2016
 04-26-16 TIME PLOTTED => 07:18

	M	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	N	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	O	
Obir	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	P	
p	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	P continued	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PREFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	Q	
Qty	QUANTITY	
	R	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	S	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Sht	SHEET	
Sim	SIMILAR	
SL	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	T	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
Tot	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	U
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	V
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	W
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWL	WINGWALL LAYOUT LINE	X
X Sec	CROSS SECTION	
Xing	CROSSING	Y
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1, 29, 116, 128, 131	Var	36	42

Grace M. Tsushima
REGISTERED CIVIL ENGINEER



July 19, 2013
PLANS APPROVAL DATE

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TO ACCOMPANY PLANS DATED 5-31-16

UNIT OF MEASUREMENT SYMBOLS:
Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

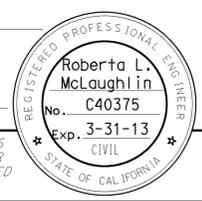
RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A10B

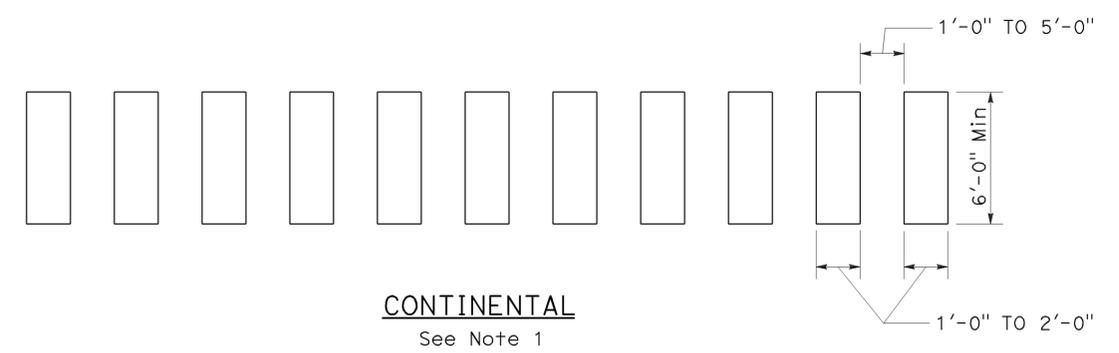
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mtn, Son, Nap	1, 29, 116, 128, 131	Var	37	42

Roberta L. McLaughlin
 REGISTERED CIVIL ENGINEER
 July 20, 2012
 PLANS APPROVAL DATE

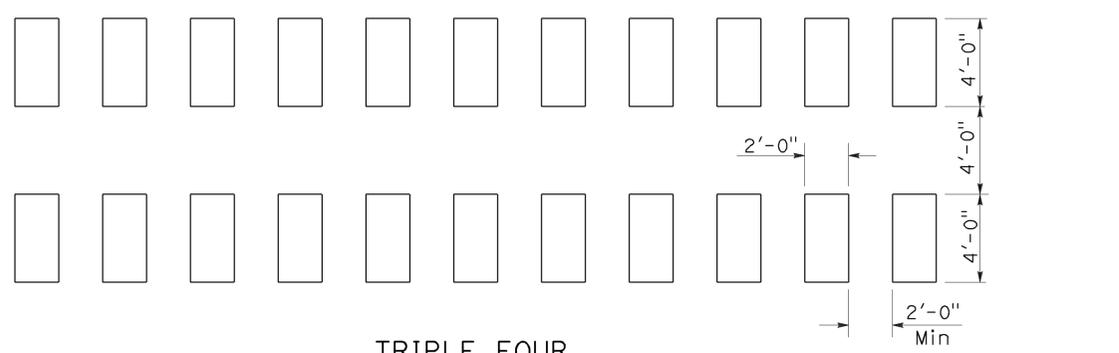
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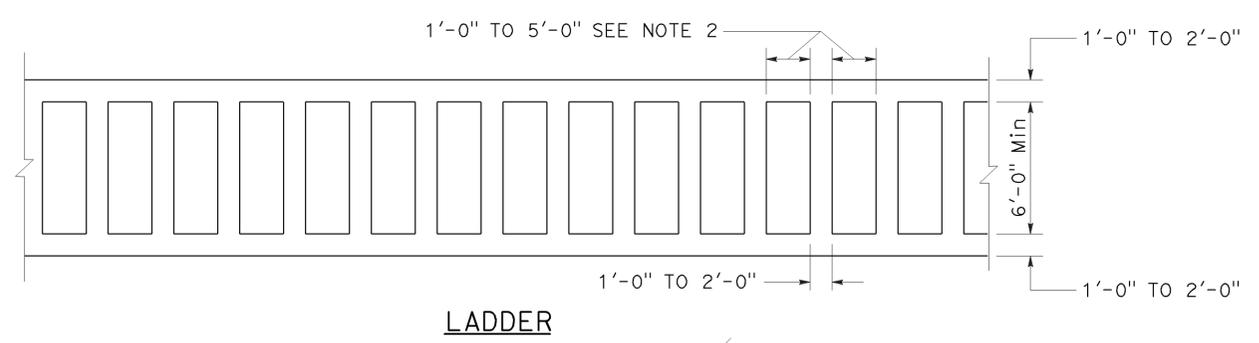
TO ACCOMPANY PLANS DATED 5-31-16



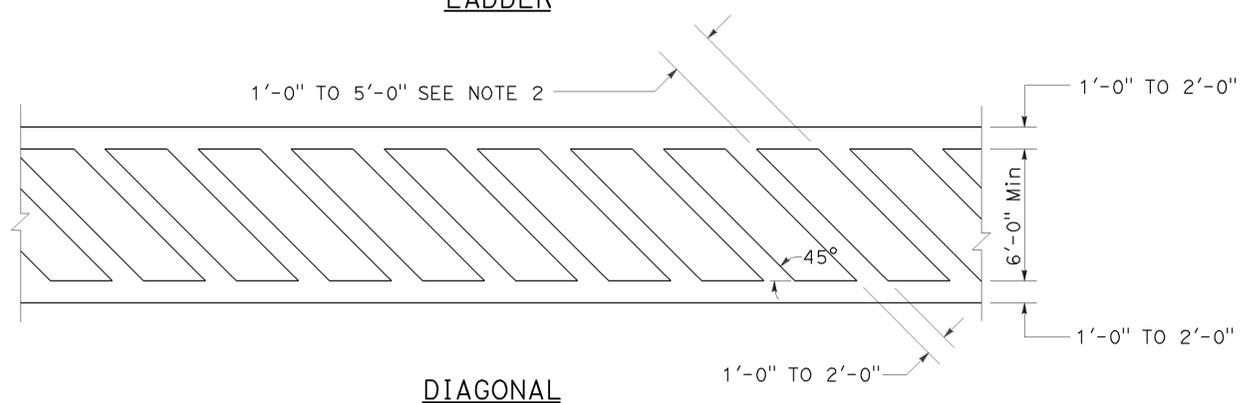
CONTINENTAL
See Note 1



TRIPLE FOUR
See Note 1



LADDER

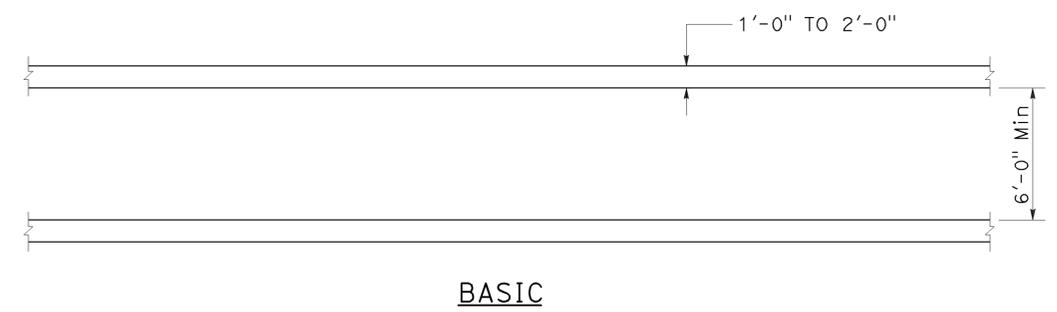


DIAGONAL

HIGHER VISIBILITY CROSSWALKS

NOTES:

1. Spaces between markings should be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except for those near schools must be yellow.



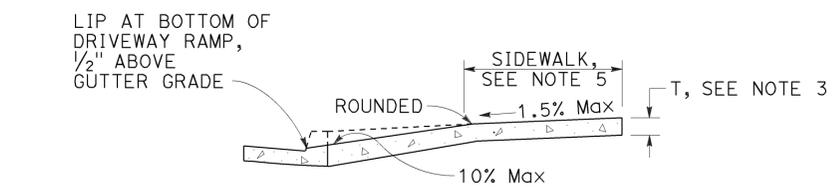
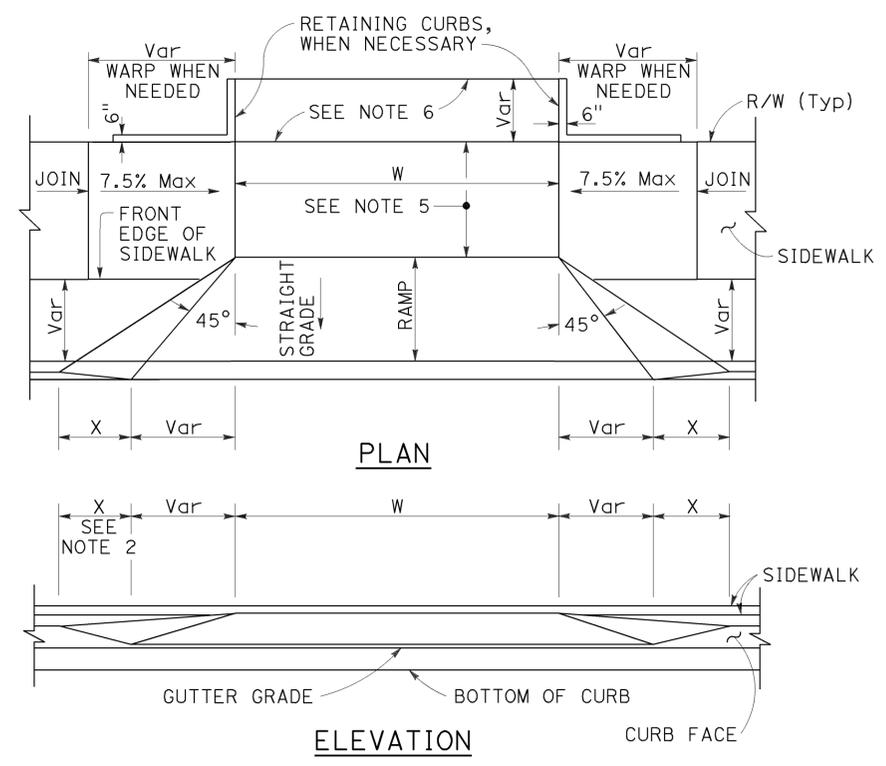
BASIC

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS
CROSSWALKS

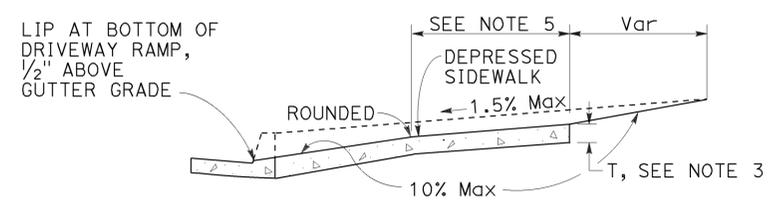
NO SCALE
RSP A24F DATED JULY 20, 2012 SUPPLEMENTS THE
STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A24F

TO ACCOMPANY PLANS DATED 5-31-16



CASE A
Typical driveway, sidewalk not depressed



CASE B
Driveway with depressed sidewalk

SECTIONS

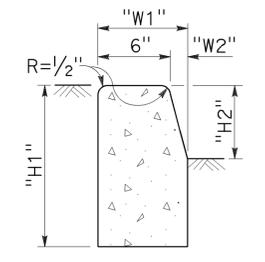
TABLE A

CURB TYPE	DIMENSIONS			
	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7 1/2"	1 1/2"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7 1/2"	1 1/2"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7 1/4"	1 1/4"
A3-8	8"	7"	7 3/4"	1 3/4"
B1-4	1'-0"	4"	7 1/2"	2 1/2"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7 1/2"	2 1/2"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8 1/2"	3 1/2"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-9"

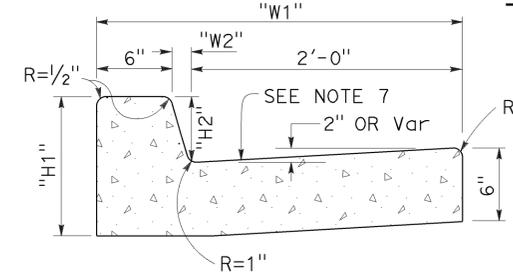
CURB QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661

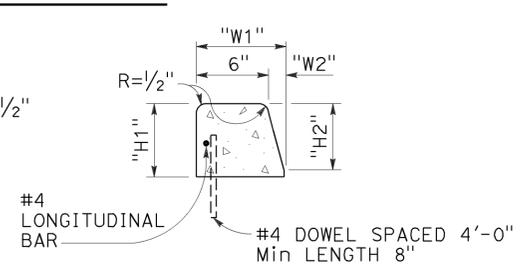
DRIVEWAYS



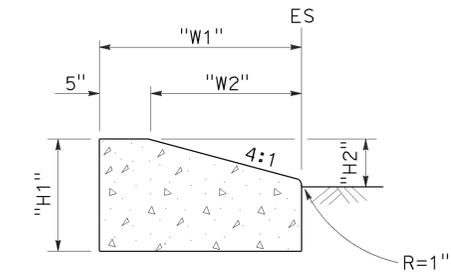
TYPE A1 CURBS
See Table A



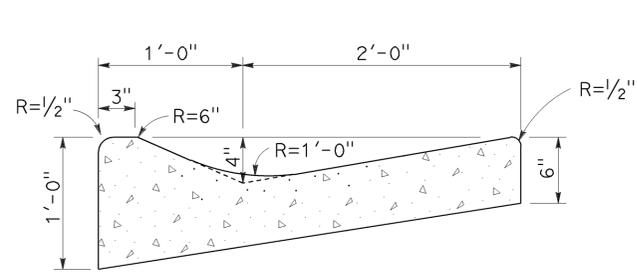
TYPE A2 CURBS
See Table A



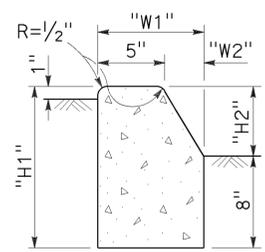
TYPE A3 CURBS
Superimposed on existing pavement
See Table A



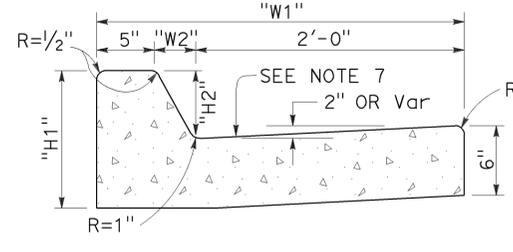
TYPE D CURBS
See Table A



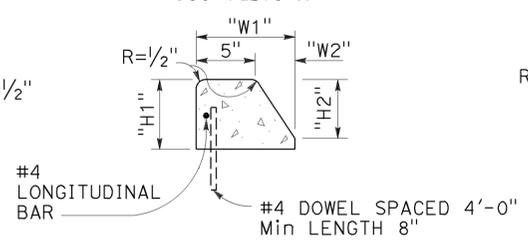
TYPE E CURB



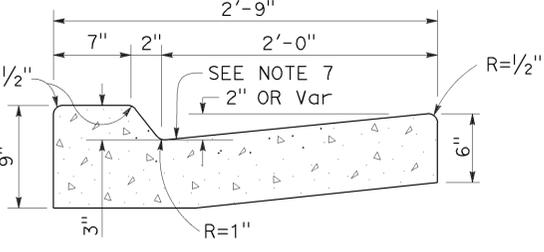
TYPE B1 CURBS
See Table A



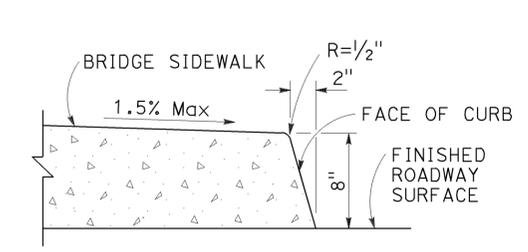
TYPE B2 CURBS
See Table A



TYPE B3 CURBS
Superimposed on existing pavement
See Table A



TYPE B4 CURBS



TYPE H CURB
On Bridges

CURBS

- NOTES:**
- Case A driveway section typically applies.
 - X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
 - Sidewalk and ramp thickness "T" at driveway shall be 4" for residential and 6" for commercial.
 - Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 15%. Reduce driveway ramp slope, not gutter slope, where required.

- Minimum width of clear passageway for sidewalk shall be 4'-2".
- Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
- Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURBS AND DRIVEWAYS

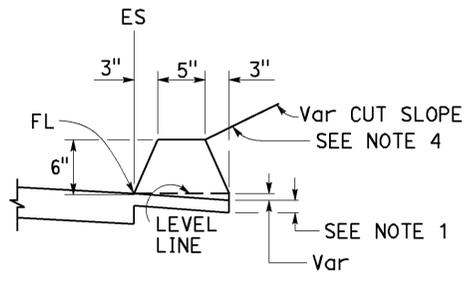
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RSP A87A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A87A
DATED MAY 20, 2011 - PAGE 119 OF THE STANDARD PLANS BOOK DATED 2010.

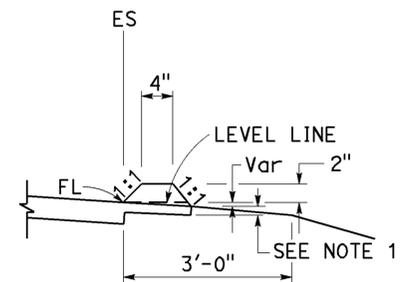
REVISED STANDARD PLAN RSP A87A

2010 REVISED STANDARD PLAN RSP A87A

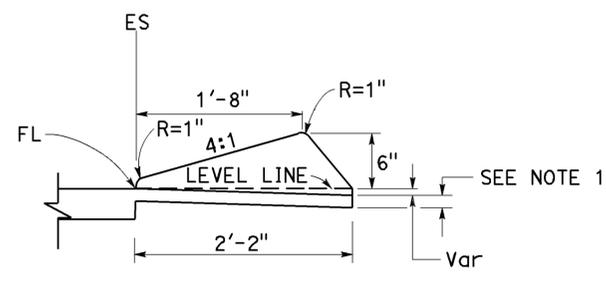
TO ACCOMPANY PLANS DATED 5-31-16



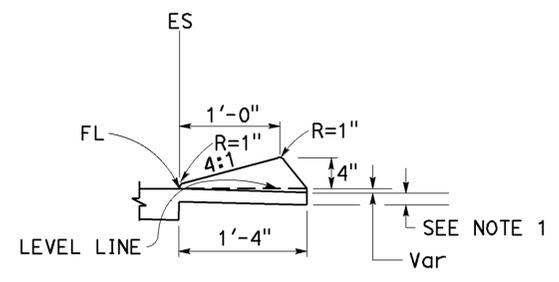
TYPE A
See Notes 3 and 5



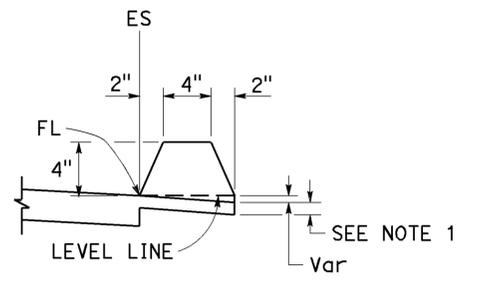
TYPE C



TYPE D

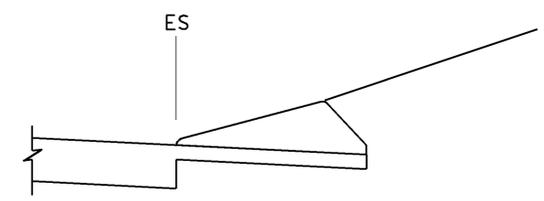


TYPE E

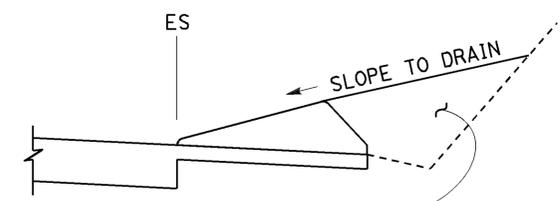


TYPE F
See Note 5

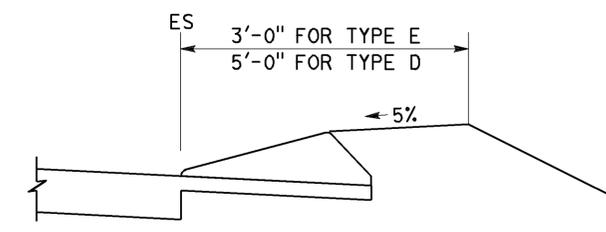
DIKES



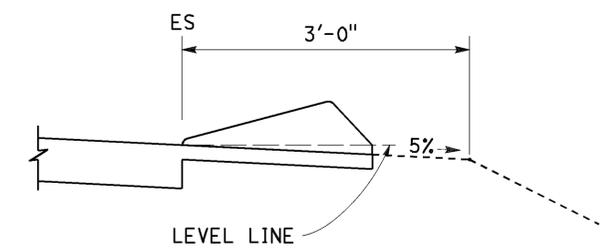
CASE C-1
Cut Slope



CASE C-2
Cut Slope



CASE F



CASE R
See Note 2

TYPE D AND E BACKFILL DETAILS

NOTES:

- For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
- Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
- Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
- Fill and compact with excavated material to top of dike.
- Use Type A or F dike, where dike is required with guardrail installations. See Revised Standard Plan RSP A77N4 for dike positioning details. See Revised Standard Plan RSP A77N3 for hinge point offsets with guardrail.

DIKE QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DIKES

NO SCALE

RSP A87B DATED JANUARY 15, 2016 SUPERSEDES RSP A87B DATED JULY 19, 2013 AND STANDARD PLAN A87B DATED MAY 20, 2011 - PAGE 120 OF THE STANDARD PLANS BOOK DATED 2010.

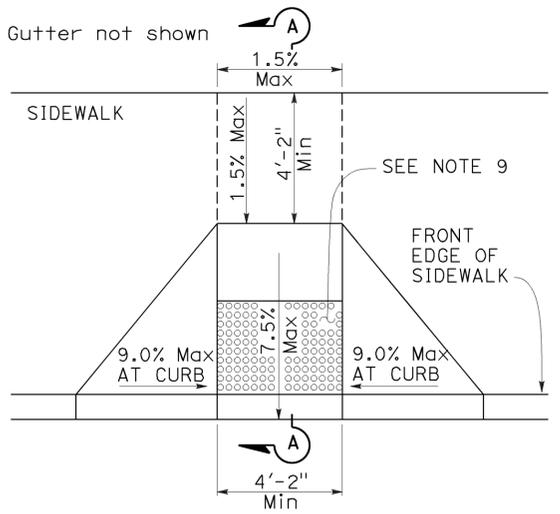
REVISED STANDARD PLAN RSP A87B

2010 REVISED STANDARD PLAN RSP A87B

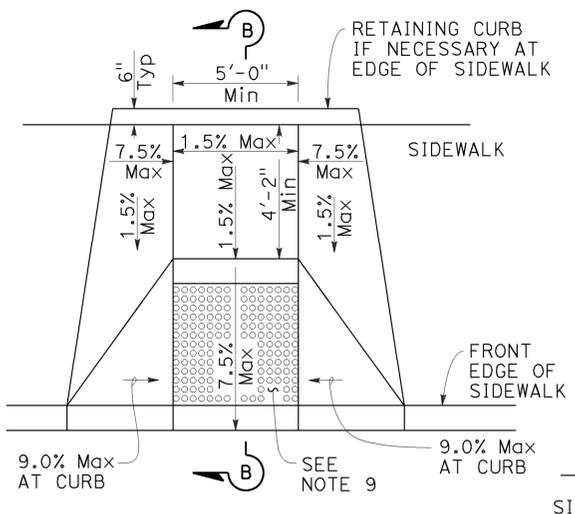
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1, 29, 116, 128, 131	Var	40	42

H. David Cordova
 REGISTERED CIVIL ENGINEER
 No. C41957
 Exp. 3-31-16
 CIVIL
 STATE OF CALIFORNIA

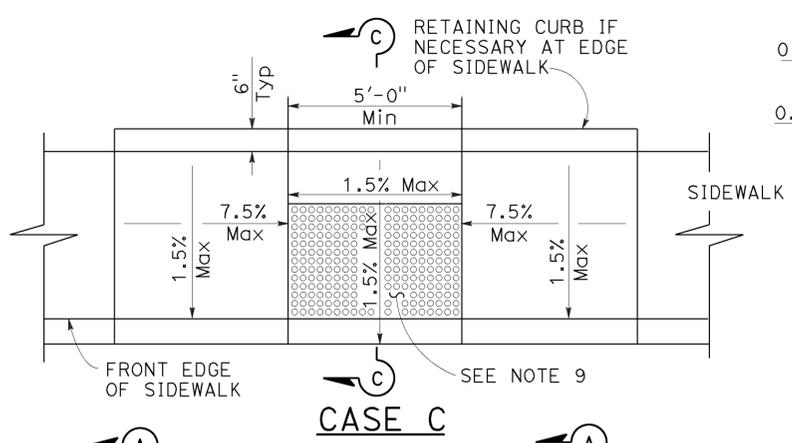
July 3, 2015
 PLANS APPROVAL DATE
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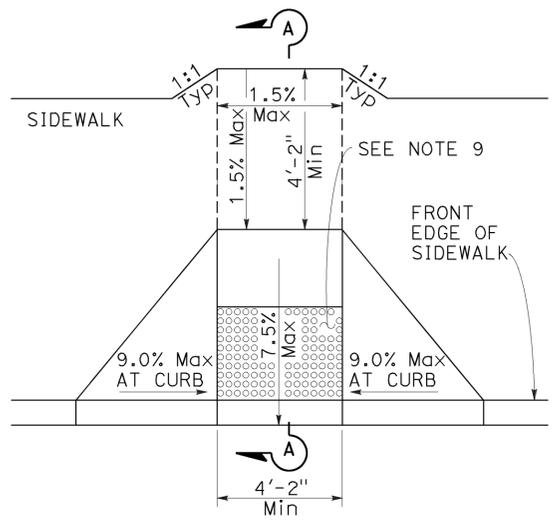
CASE A



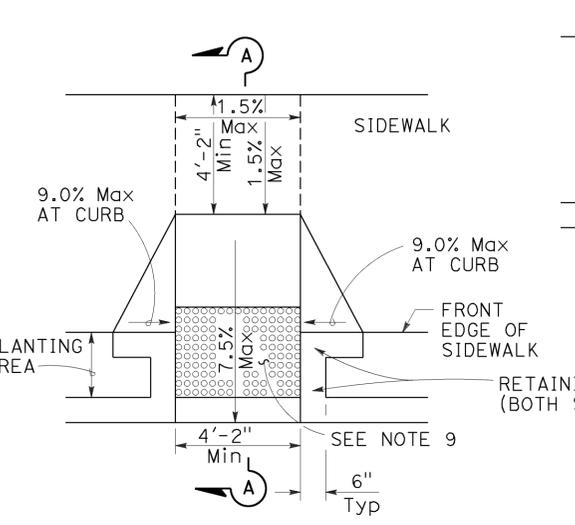
CASE B



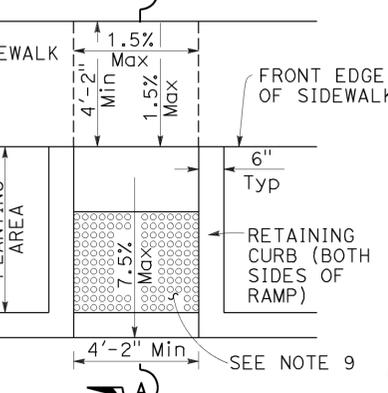
CASE C



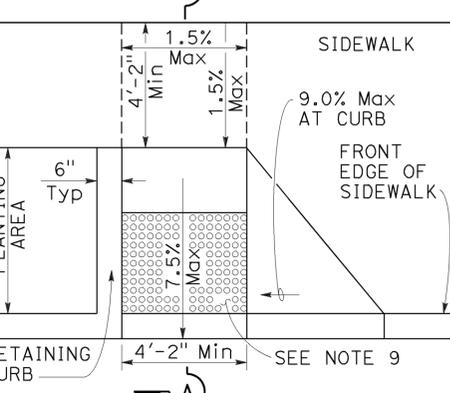
CASE D



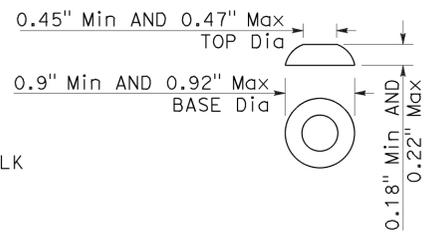
CASE E



CASE F



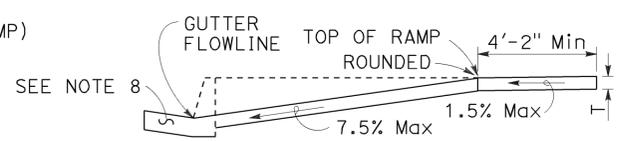
CASE G



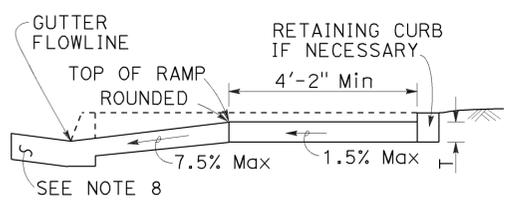
RAISED TRUNCATED DOME

NOTES:

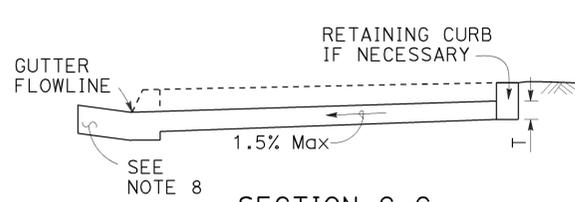
- As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate.
- If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B, or C or may be widened as in Case D.
- When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
- As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
- If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 4'-2".
- Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
- Transitions from ramps and landing to walks, gutters or streets shall be flush (no lip) and free of abrupt changes.
- Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1:20 (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
- Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. A 4'-0" wide detectable warning surface may be used on a 4'-2" wide curb ramp. Detectable Warning Surfaces shall conform to the requirements in the Standard Specifications.
- Sidewalk and ramp thickness, "T", shall be 3 1/2" minimum.
- Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
- Detectable warning surface may have to be cut to allow removal of utility covers while maintaining full detectable warning width and depth.



SECTION A-A



SECTION B-B

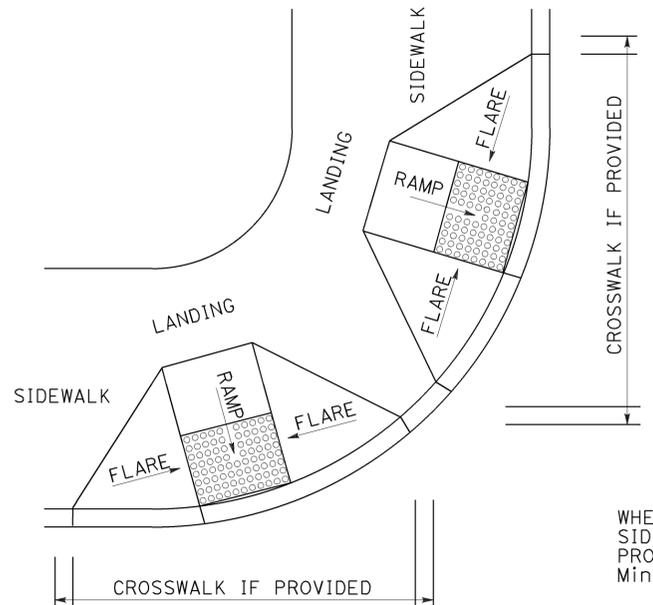


SECTION C-C



**RAISED TRUNCATED DOME PATTERN (IN-LINE)
DETECTABLE WARNING SURFACE**

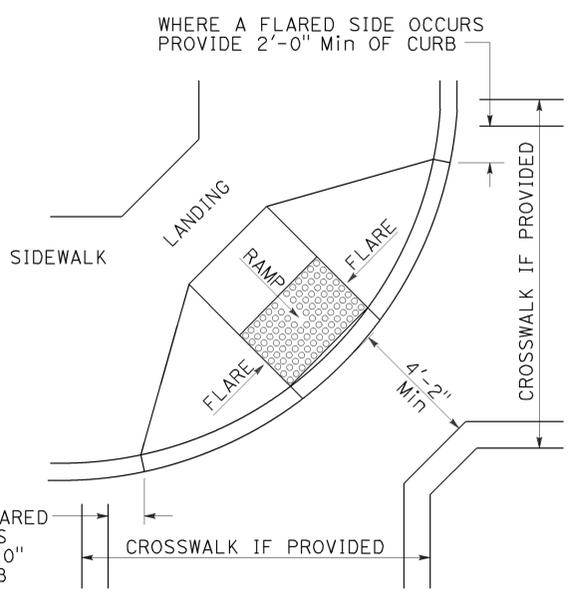
See Note 9



DETAIL A

TYPICAL TWO-RAMP CORNER INSTALLATION

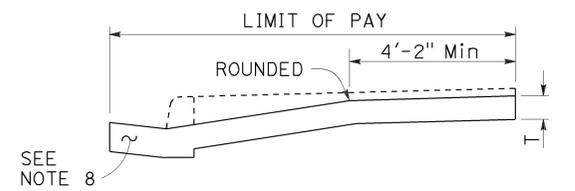
See Note 1



DETAIL B

TYPICAL ONE-RAMP CORNER INSTALLATION

See Notes 1 and 3



RETROFIT PAY LIMITS

Existing curb and sidewalk

CURB RAMP DETAILS
NO SCALE

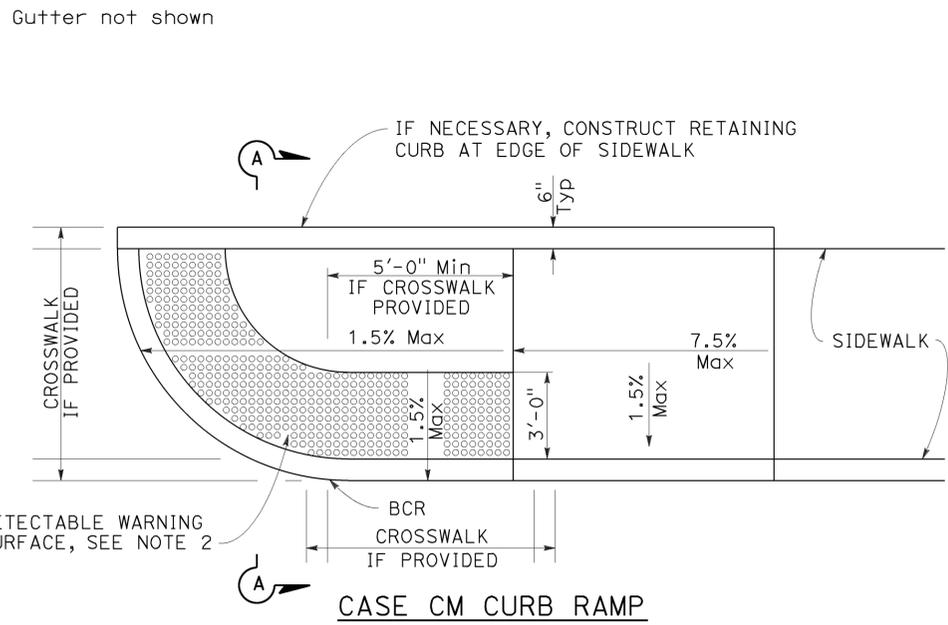
RSP A88A DATED JULY 3, 2015 SUPERSEDES RSP A88A DATED MARCH 21, 2014 AND RSP A88A DATED JULY 19, 2013 AND STANDARD PLAN A88A DATED MAY 20, 2011 - PAGE 121 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A88A

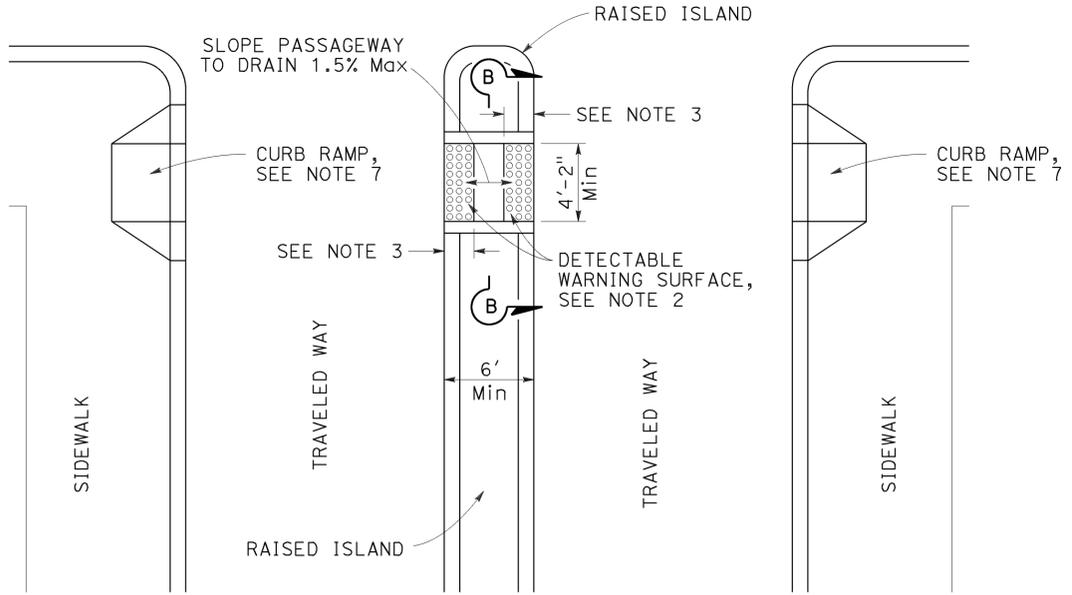
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1, 29, 116, 128, 131	Var	41	42

H. David Cordova
 REGISTERED CIVIL ENGINEER
 July 3, 2015
 PLANS APPROVAL DATE
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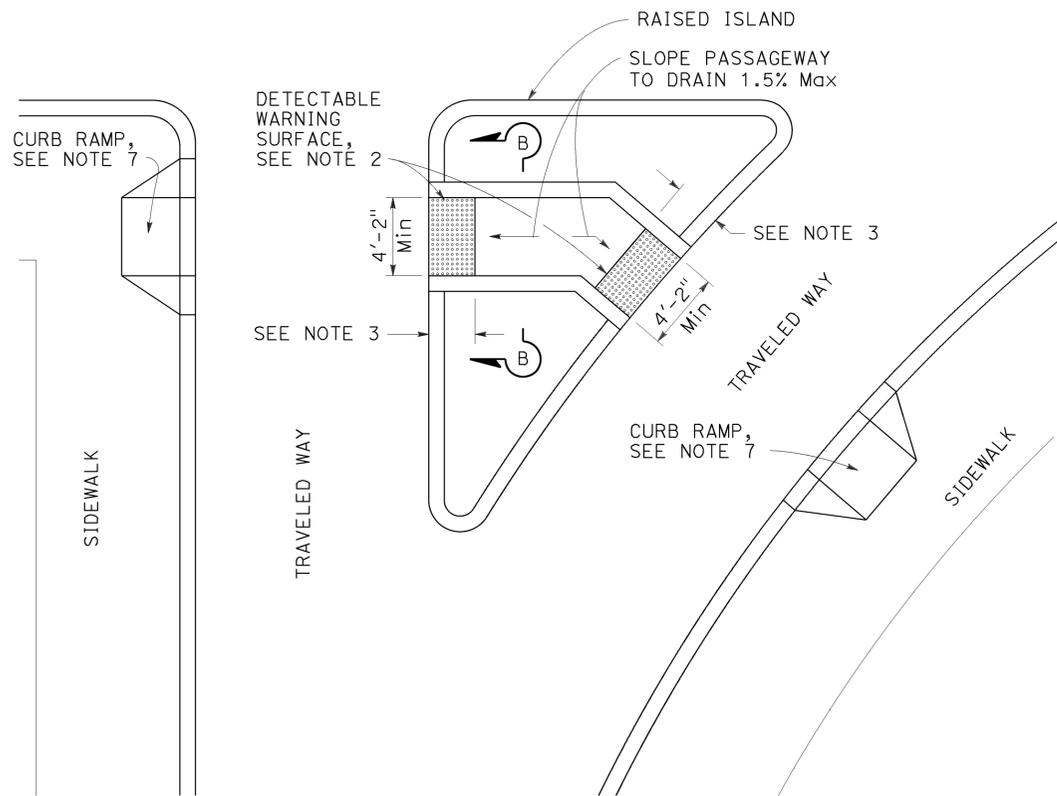
REGISTERED PROFESSIONAL ENGINEER
 Hector David Cordova
 No. C41957
 Exp. 3-31-16
 CIVIL
 STATE OF CALIFORNIA



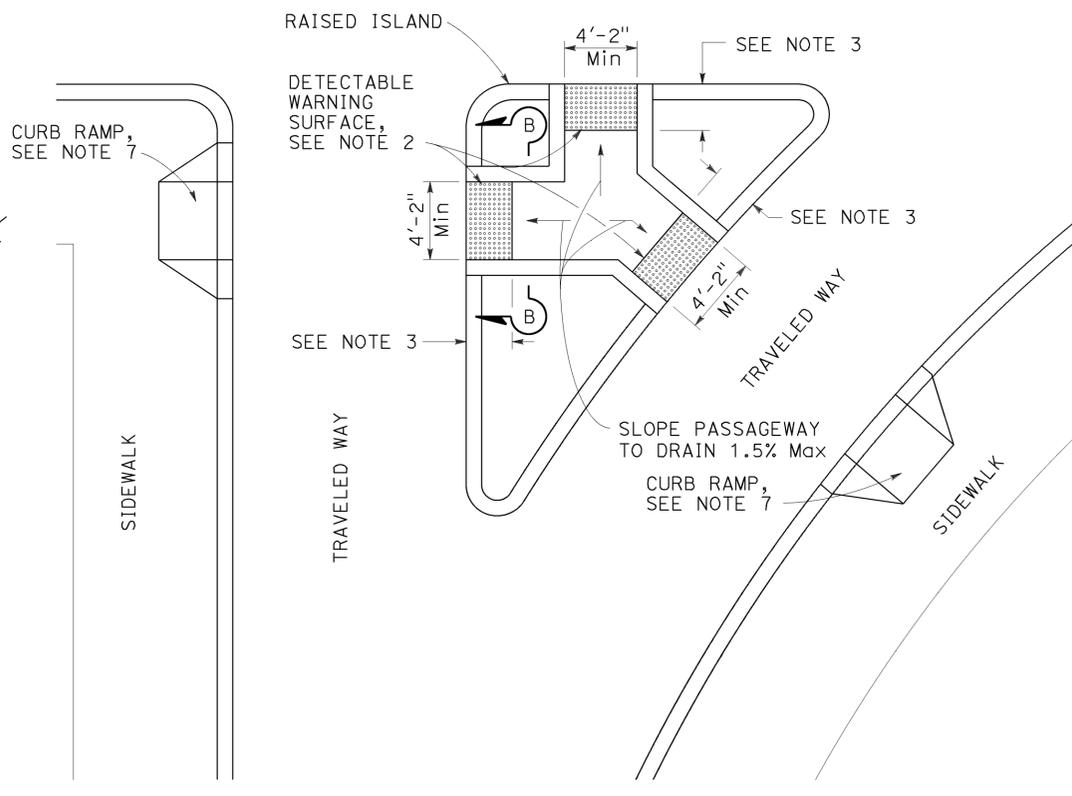
CASE CM CURB RAMP



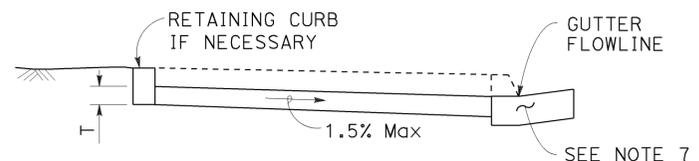
TYPE A PASSAGEWAY



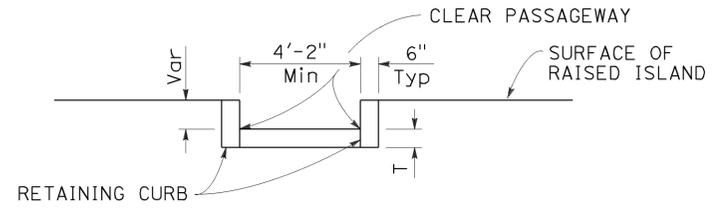
TYPE B PASSAGEWAY



TYPE C PASSAGEWAY



SECTION A-A



SECTION B-B

NOTES:

1. Sidewalk, ramp and passageway thickness, "T", shall be 3 1/2" minimum.
2. For details of detectable warning surfaces, see Revised Standard Plan RSP A88A.
3. Where an island passageway length is greater than or equal to 6'-0", but less than 8'-0", each detectable warning surface shall extend the full width and 2'-0" depth of the passageway length. Where an island passageway length is greater than or equal to 8'-0", each detectable warning surface shall extend the full width and 3'-0" depth of the passageway length. A 4'-0" wide detectable warning surface may be used on a 4'-2" wide island passageway.
4. Transitions from ramps to walks, gutters or streets shall be flush (no lip) and free of abrupt changes.
5. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
6. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining full detectable warning width and depth.
7. For additional curb ramp details, see Revised Standard Plan RSP A88A.

TO ACCOMPANY PLANS DATED 5-31-16

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
CURB RAMP AND ISLAND PASSAGEWAY DETAILS
 NO SCALE

RSP A88B DATED JULY 3, 2015 SUPERSEDES RSP A88B DATED MARCH 21, 2014 AND RSP A88B DATED JULY 19, 2013 AND STANDARD PLAN A88B DATED MAY 20, 2011 - PAGE 122 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A88B

2010 REVISED STANDARD PLAN RSP A88B

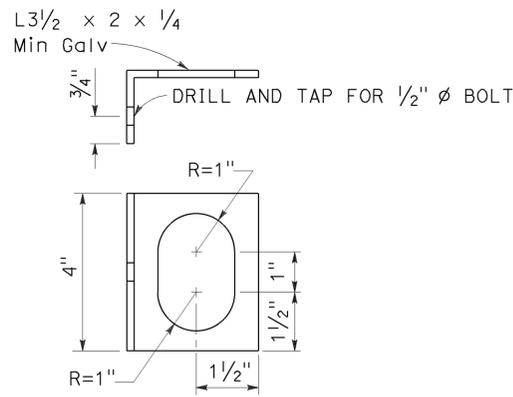
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn, Son, Nap	1, 29, 116, 128, 131	Var	42	42

REGISTERED CIVIL ENGINEER
 Bruce D. Swanger
 No. C61257
 Exp. 6-30-17
 CIVIL
 STATE OF CALIFORNIA

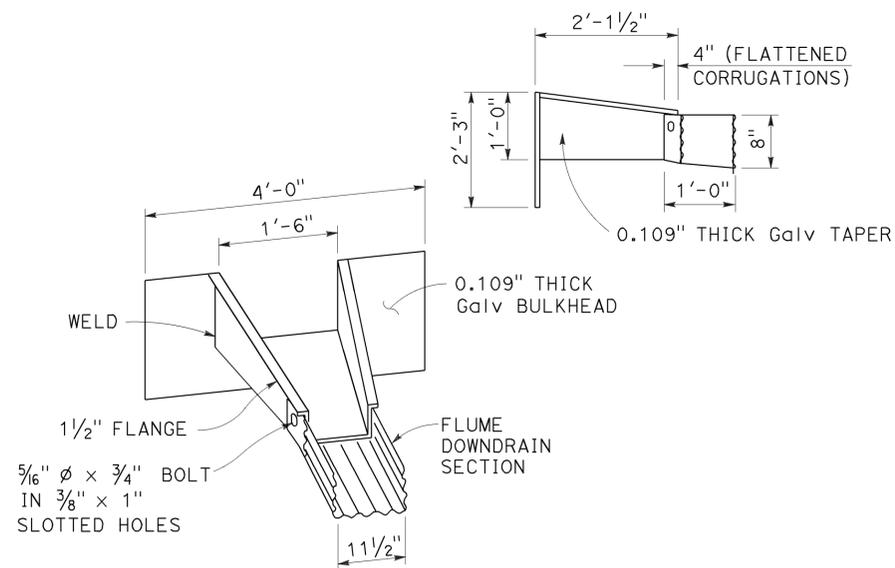
October 30, 2015
 PLANS APPROVAL DATE

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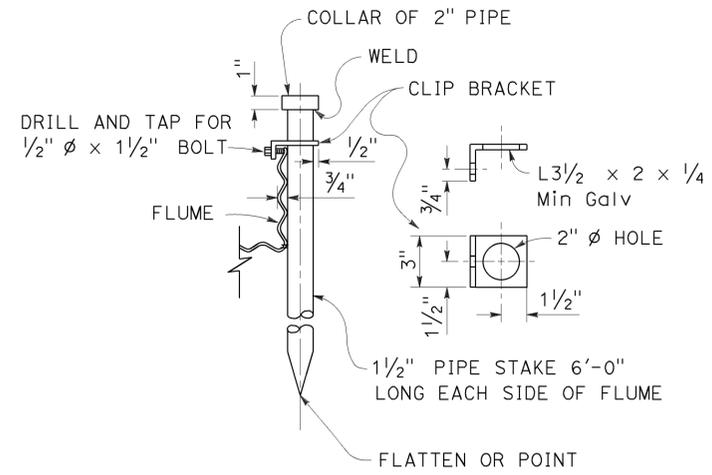
TO ACCOMPANY PLANS DATED 5-31-16



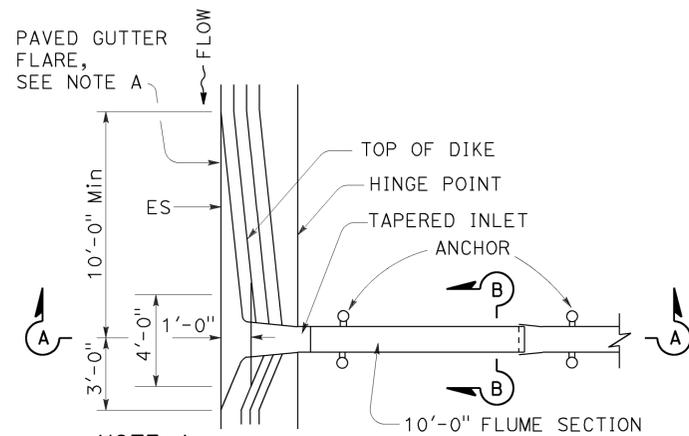
ALTERNATIVE CLIP BRACKET DETAIL



TAPERED INLET



PIPE STAKE ANCHOR DETAIL

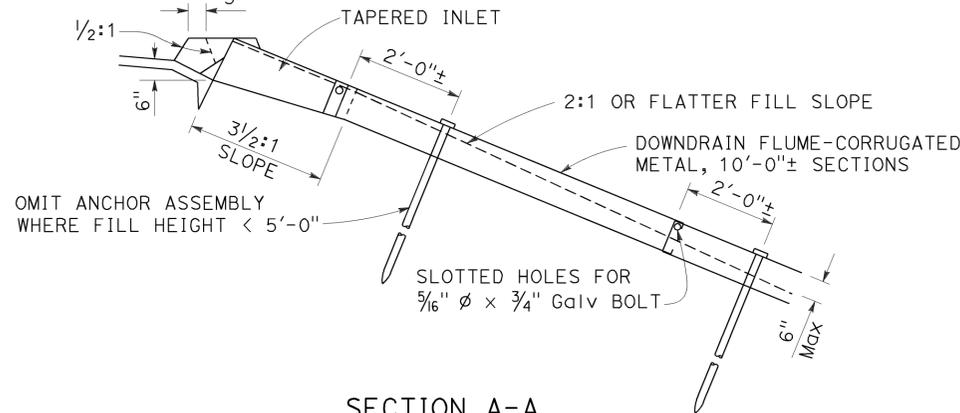


NOTE A

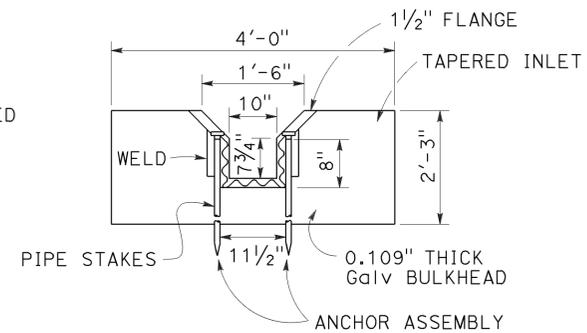
In sag location, use 10'-0" length of paved gutter flare on both sides of inlet.

PLAN

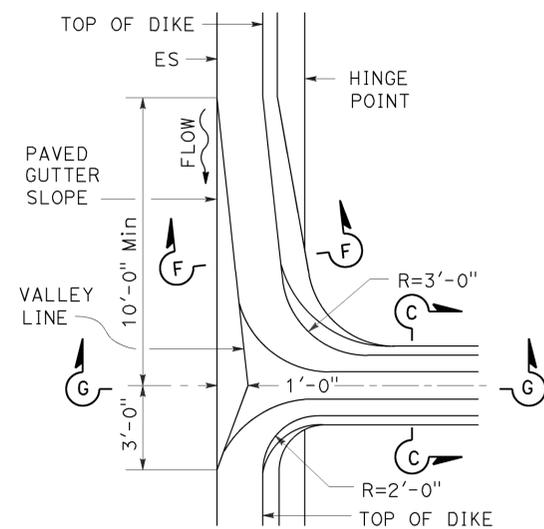
TAPERED INLET AND FLUME DOWNDRAIN



SECTION A-A



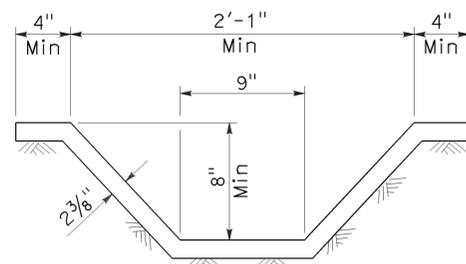
SECTION B-B



PLAN

MOUNTABLE DIKE

HOT MIX ASPHALT OVERSIDE DRAINS

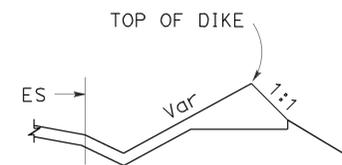


SECTION C-C

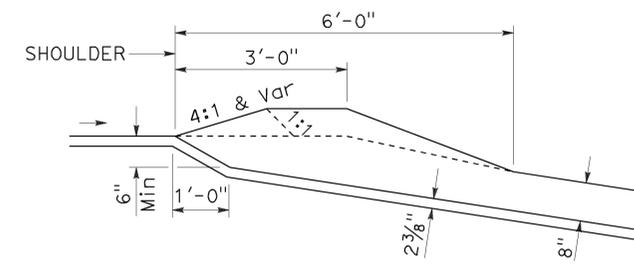
See Note 1

NOTE:

1. Cross section of slope ditch may be semicircular, vee or trapezoidal.



SECTION F-F



SECTION G-G

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
OVERSIDE DRAINS
 NO SCALE

RSP D87D DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN D87D DATED MAY 20, 2011 - PAGE 185 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D87D

2010 REVISED STANDARD PLAN RSP D87D