

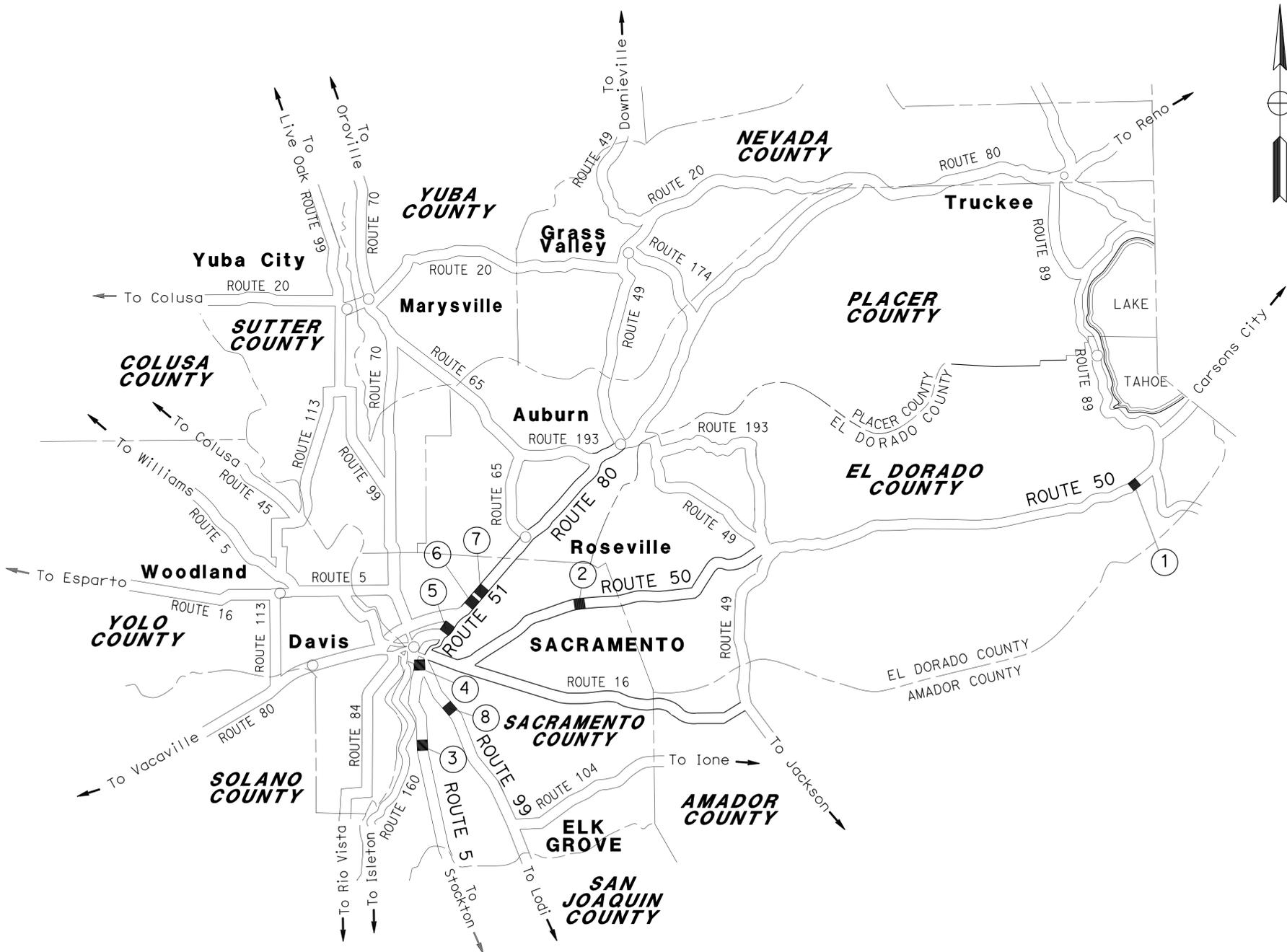
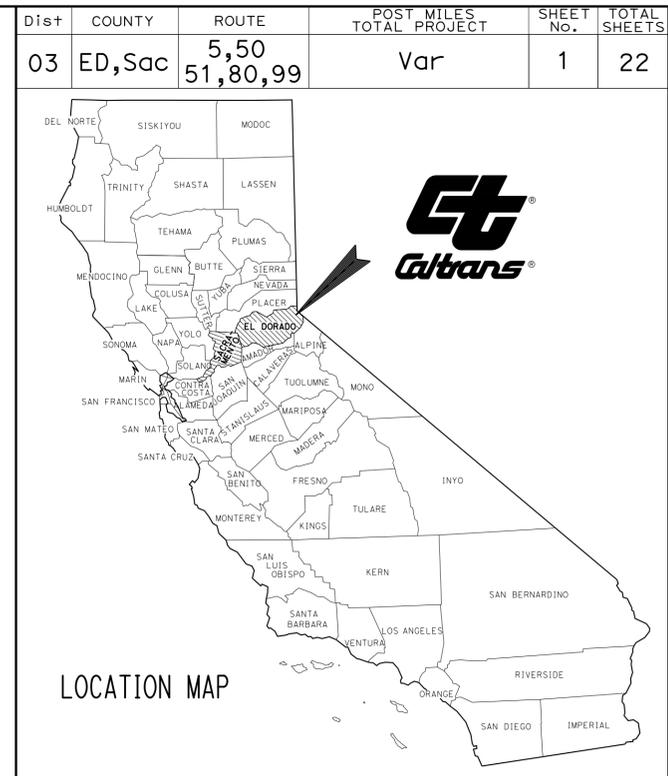
INDEX OF PLANS

SHEET NO.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-10	CONSTRUCTION DETAILS
11-13	CONSTRUCTION AREA SIGNS
14	DETOUR PLAN
15-16	PAVEMENT DELINEATION QUANTITIES
17	SUMMARY OF QUANTITIES
18-19	TRAFFIC CONTROL SYSTEM
20-22	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 **ACHSSTP-000C(358)**
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SACRAMENTO AND EL DORADO COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

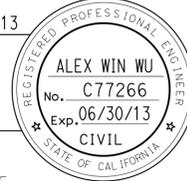


LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	PM	DESCRIPTION
1	ED	50	61.11/61.31	EAST OF CAMP SACRAMENTO AT FLORIN CURVE
2	Sac	50	16.729	EB OFF-RAMP TO FOLSOM BLVD
3	Sac	5	12.188	SB ON-RAMP FROM LAGUNA BLVD
4	Sac	5	22.789	SB OFF-RAMP TO EB US 50
5	Sac	51	4.609	NB OFF-RAMP TO EL CAMINO BLVD
6	Sac	80	12.36/12.56	WB ON-RAMP FROM WB MADISON AVE
7	Sac	80	16.6/16.8	EB ON-RAMP FROM EB ANTELOPE RD
8	Sac	99	19.426	NB OFF-RAMP TO EB FLORIN RD

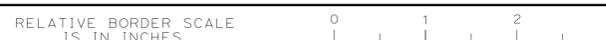
PROJECT MANAGER
SUKHVINDER TAKHAR
 DESIGN ENGINEER
STEPHEN T. WRIGHT

PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE: 1-16-13
March 4, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONTRACT No.	03-3F3204
PROJECT ID	0312000189

NO SCALE



DATE PLOTTED => 06-MAR-2013
 TIME PLOTTED => 1:52:52
 LAST REVISION 11-01-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 51, 80, 99	Var	2	22

REGISTERED CIVIL ENGINEER	DATE
<i>Alex Wu</i>	1-16-13
PLANS APPROVAL DATE	
3-4-13	

REGISTERED PROFESSIONAL ENGINEER	
ALEX WIN WU	
No. C77266	
Exp. 06/30/13	
CIVIL	

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

NOTES:

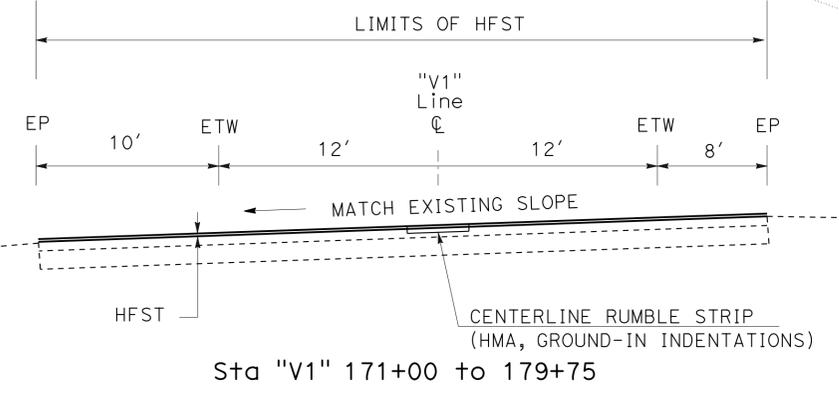
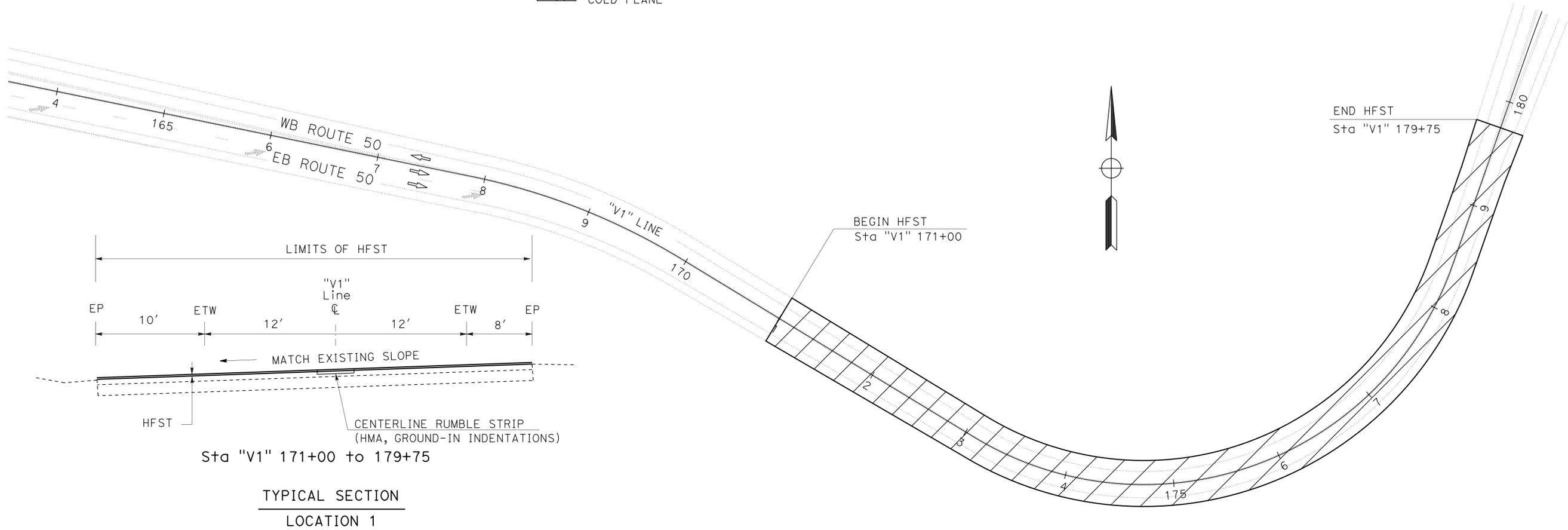
- FOR COMPLETE R/W DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- CENTERLINE RUMBLE STRIP SHALL BE CONSTRUCTED PRIOR TO INSTALLING FINAL TRAFFIC STRIPES.

LEGEND

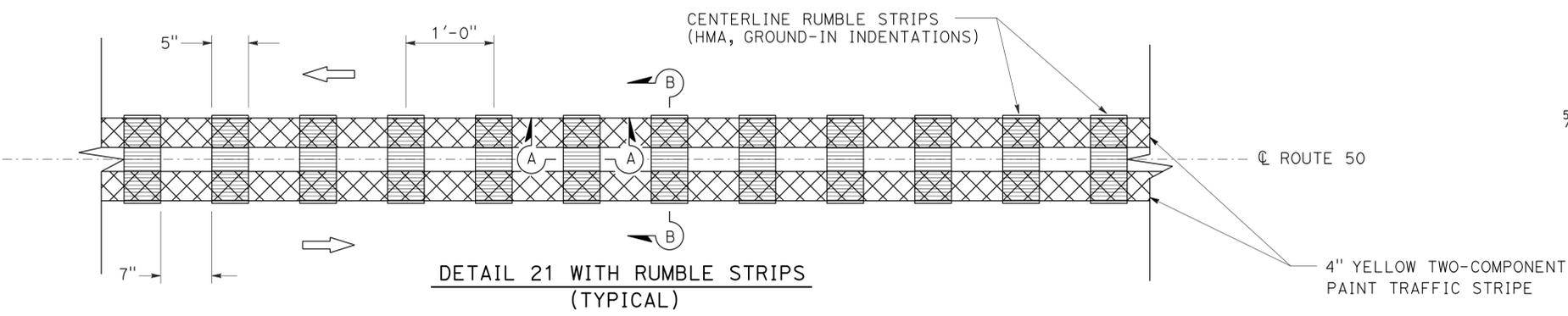
	THIN HIGH FRICTION SURFACE TREATMENT
	THIN HIGH FRICTION SURFACE TREATMENT (TWO LAYERS)
	0.1' RHMA-O COLD PLANE
	THIN HIGH FRICTION SURFACE TREATMENT COLD PLANE

ABBREVIATIONS

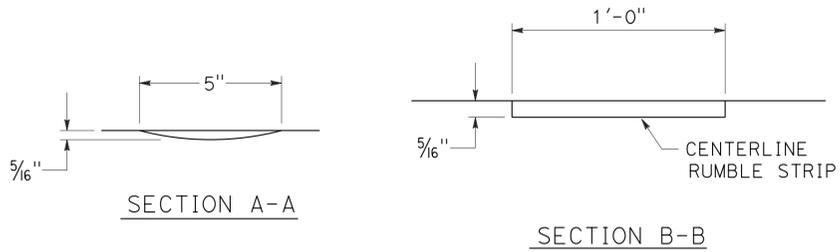
- HFST - THIN HIGH FRICTION SURFACE TREATMENT
 RHMA-O - RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)



**TYPICAL SECTION
LOCATION 1**



**DETAIL 21 WITH RUMBLE STRIPS
(TYPICAL)**



**EAST OF CAMP SACRAMENTO
AT FLORIN CURVE
ED 50
CONSTRUCTION DETAILS
NO SCALE**

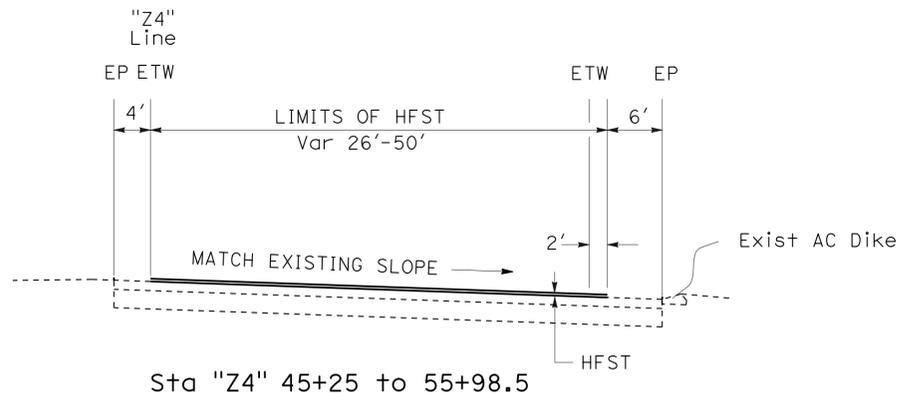
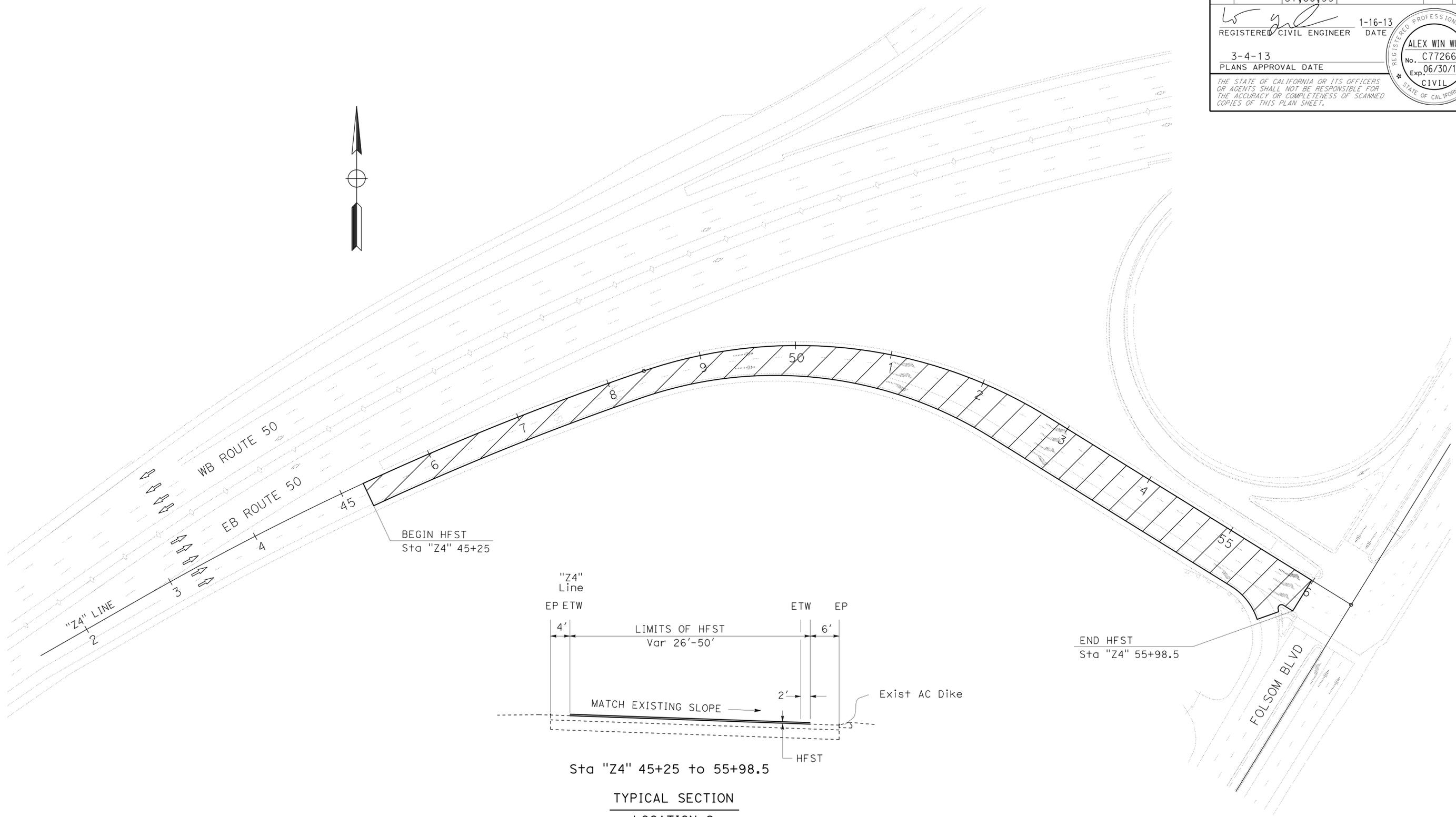
**LOCATION 1
ROUTE 50 PM 61.11/ 61.31**

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: STEPHEN T. WRIGHT
 CALCULATED/DESIGNED BY: ANDY LUU
 CHECKED BY: ALEX WU
 REVISIONS: (None listed)

LAST REVISION: DATE PLOTTED => 06-MAR-2013 11-01-12 TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	3	22
 REGISTERED CIVIL ENGINEER			DATE	1-16-13	
PLANS APPROVAL DATE			3-4-13		
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.					
					



TYPICAL SECTION
LOCATION 2

**EB OFF-RAMP TO FOLSOM BLVD
Sac 50
CONSTRUCTION DETAILS**

**LOCATION 2
ROUTE 50 PM 16.73**

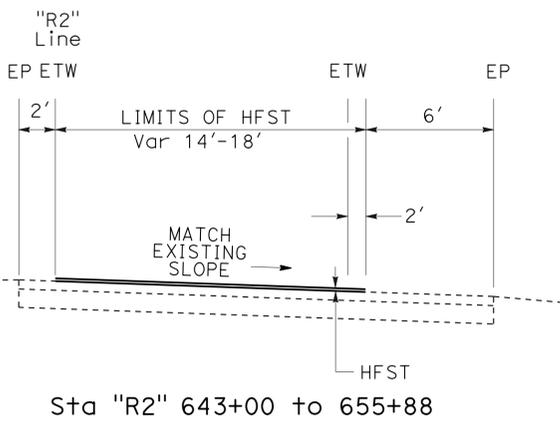
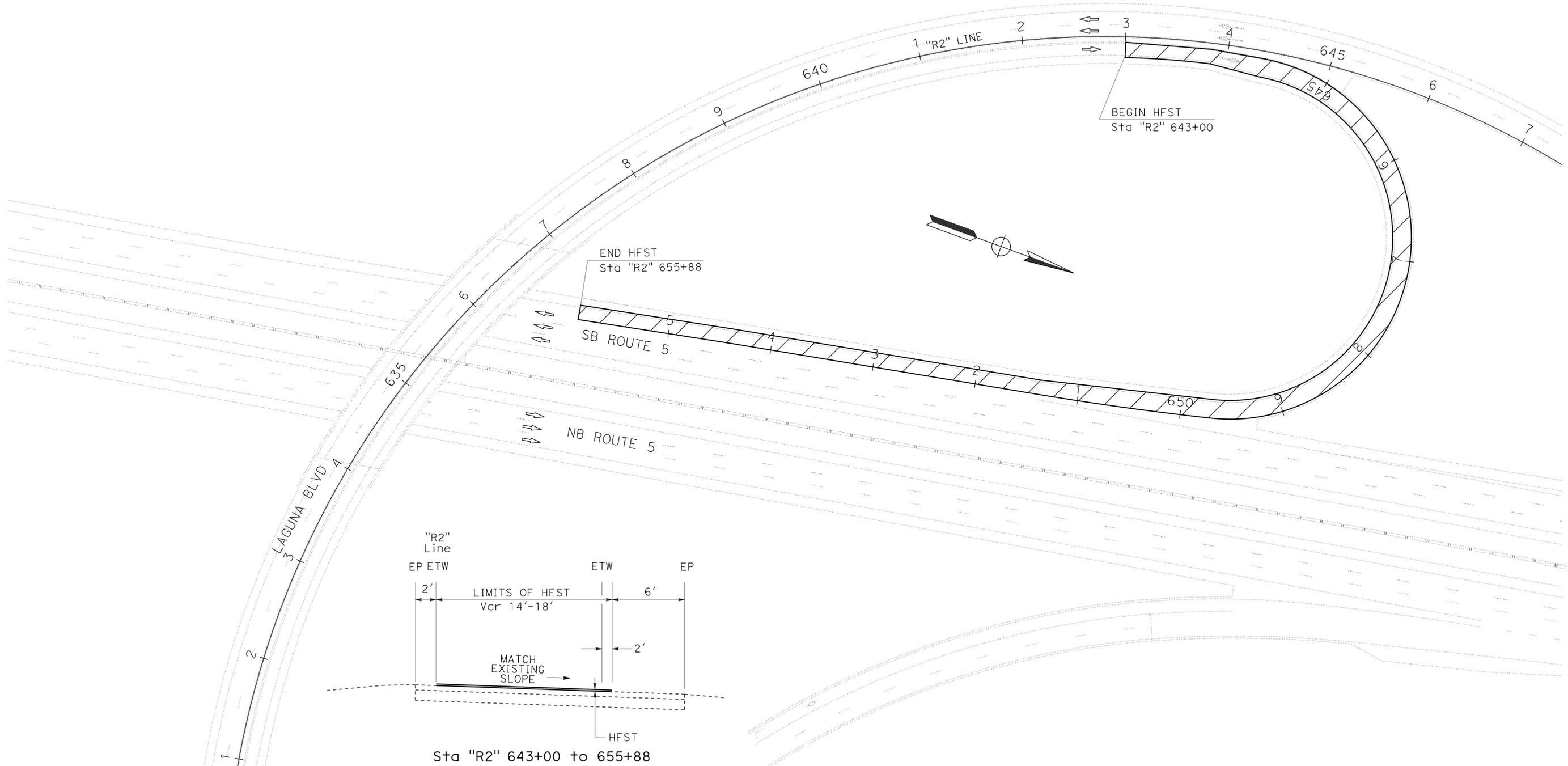
NO SCALE **C-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans	STEPHEN T. WRIGHT	CHECKED BY	ANDY LUU
TRAFFIC			ALEX WU
			DATE REVISOR

LAST REVISION | DATE PLOTTED => 06-MAR-2013
06-01-12 | TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	VAR	4	22
 REGISTERED CIVIL ENGINEER			1-16-13 DATE		
3-4-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISED BY
Caltrans	STEPHEN T. WRIGHT	CHECKED BY	ANDY LUU
TRAFFIC			ALEX WU



TYPICAL SECTION
LOCATION 3

LOCATION 3
ROUTE 5 PM 12.19

SB ON-RAMP FROM LAGUNA BLVD
Sac 5
CONSTRUCTION DETAILS

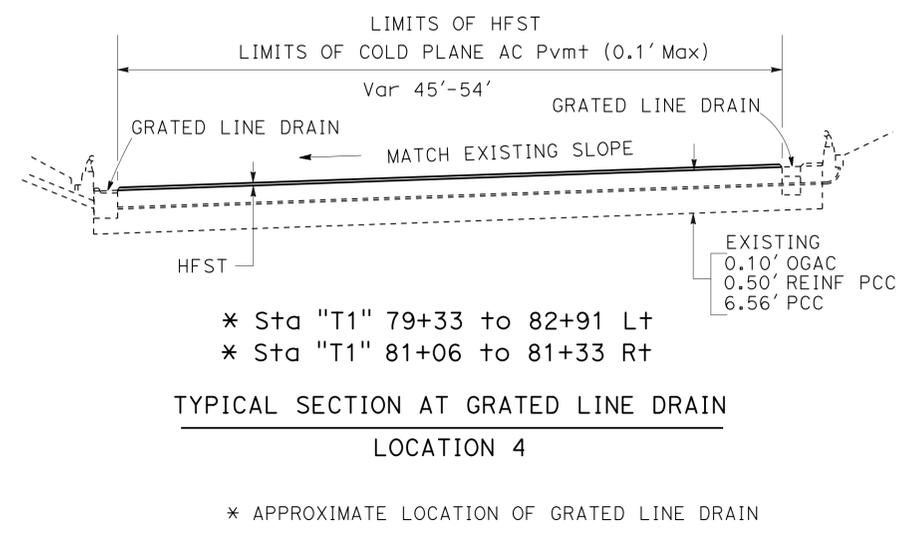
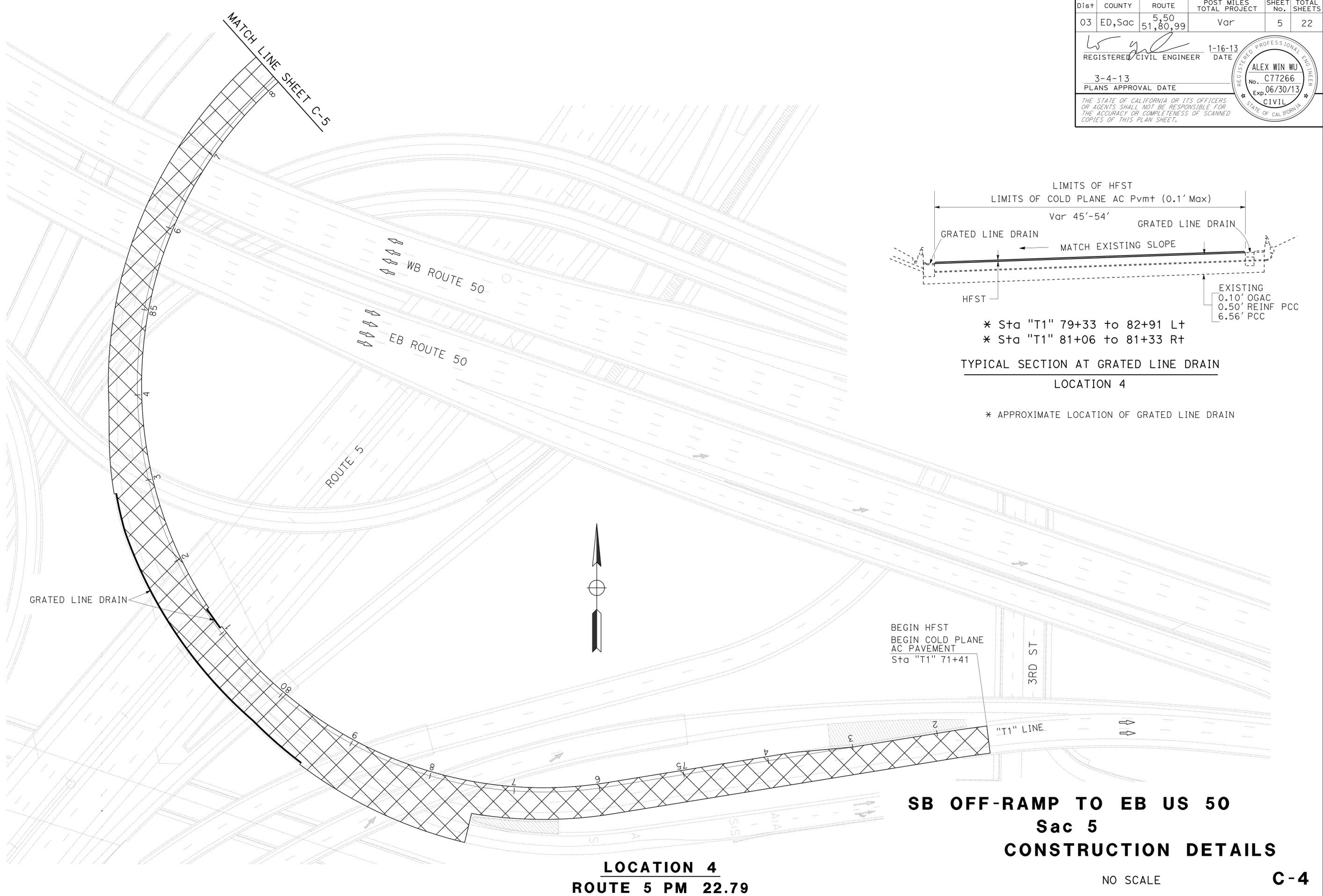
NO SCALE

C-3

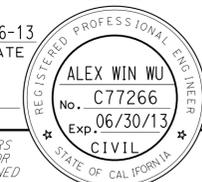
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 51, 80, 99	Var	5	22
 REGISTERED CIVIL ENGINEER			DATE	1-16-13	
PLANS APPROVAL DATE 3-4-13					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	STEPHEN T. WRIGHT	CHECKED BY	DATE
TRAFFIC		ANDY LUU	
		ALEX WU	



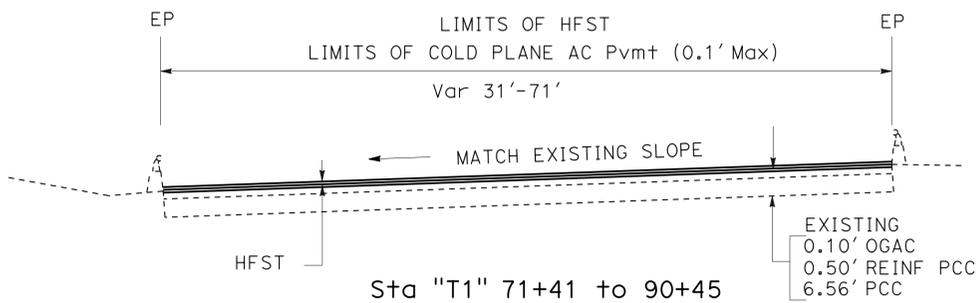
LAST REVISION DATE PLOTTED => 06-MAR-2013 13:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	6	22
 REGISTERED CIVIL ENGINEER			1-16-13 DATE		
3-4-13 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

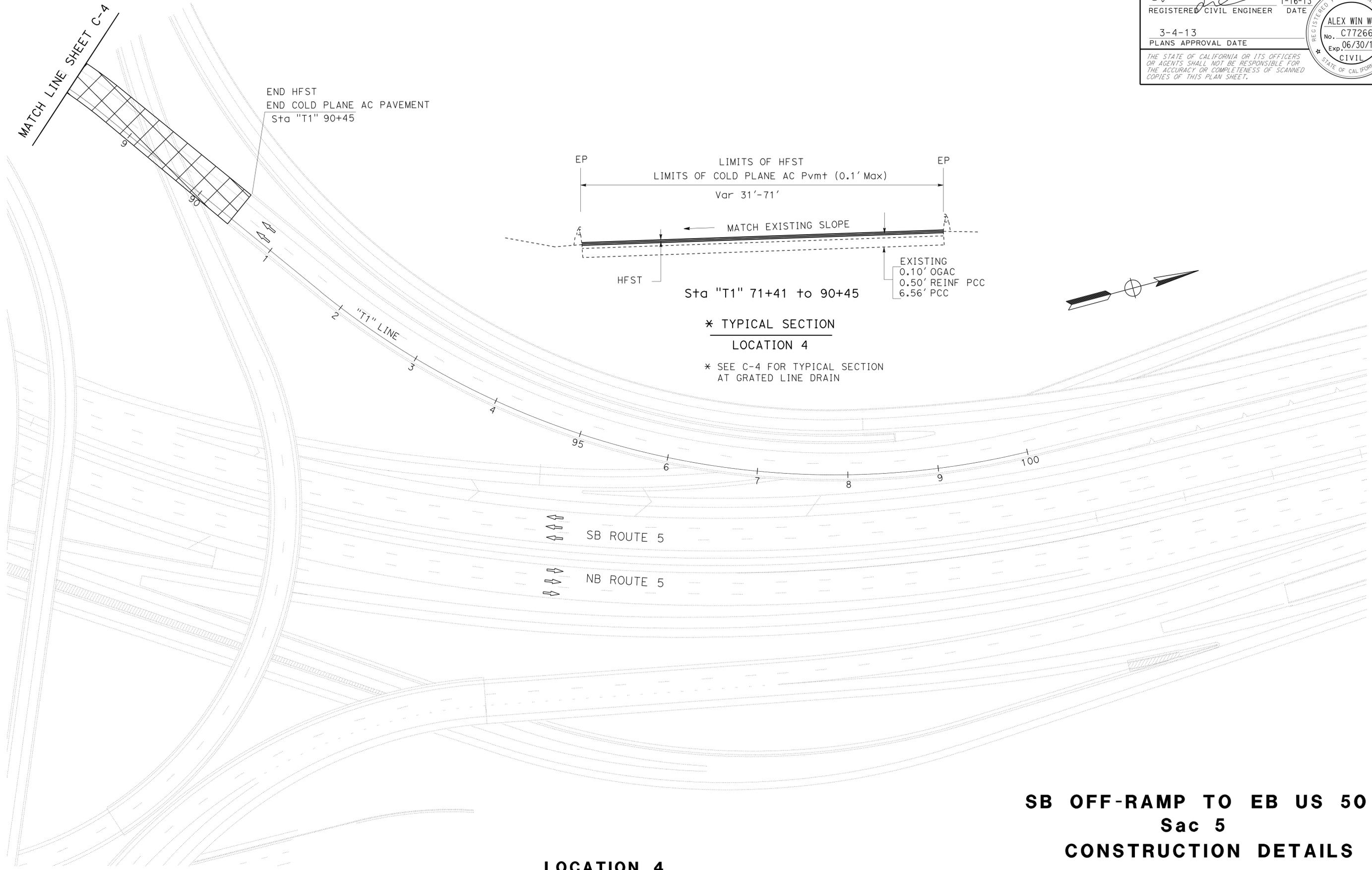
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans	STEPHEN T. WRIGHT	ANDY LUU	
TRAFFIC	CHECKED BY	ALEX WU	
	DESIGNED BY		

MATCH LINE SHEET C-4

END HFST
END COLD PLANE AC PAVEMENT
Sta "T1" 90+45



* TYPICAL SECTION
LOCATION 4
* SEE C-4 FOR TYPICAL SECTION AT GRATED LINE DRAIN



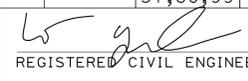
SB OFF-RAMP TO EB US 50
Sac 5
CONSTRUCTION DETAILS

LOCATION 4
ROUTE 5 PM 22.79

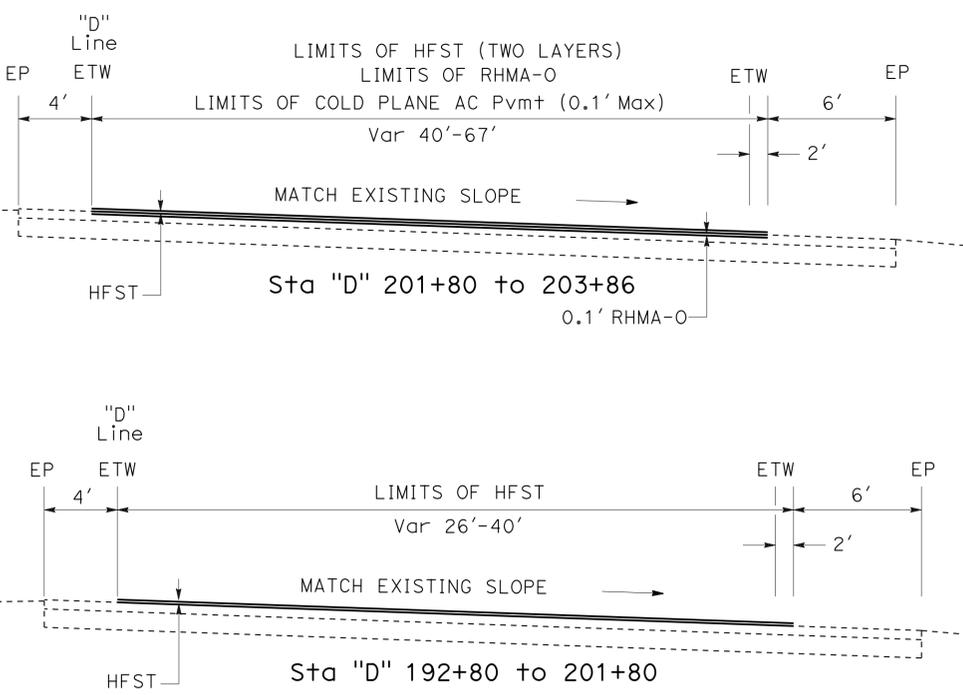
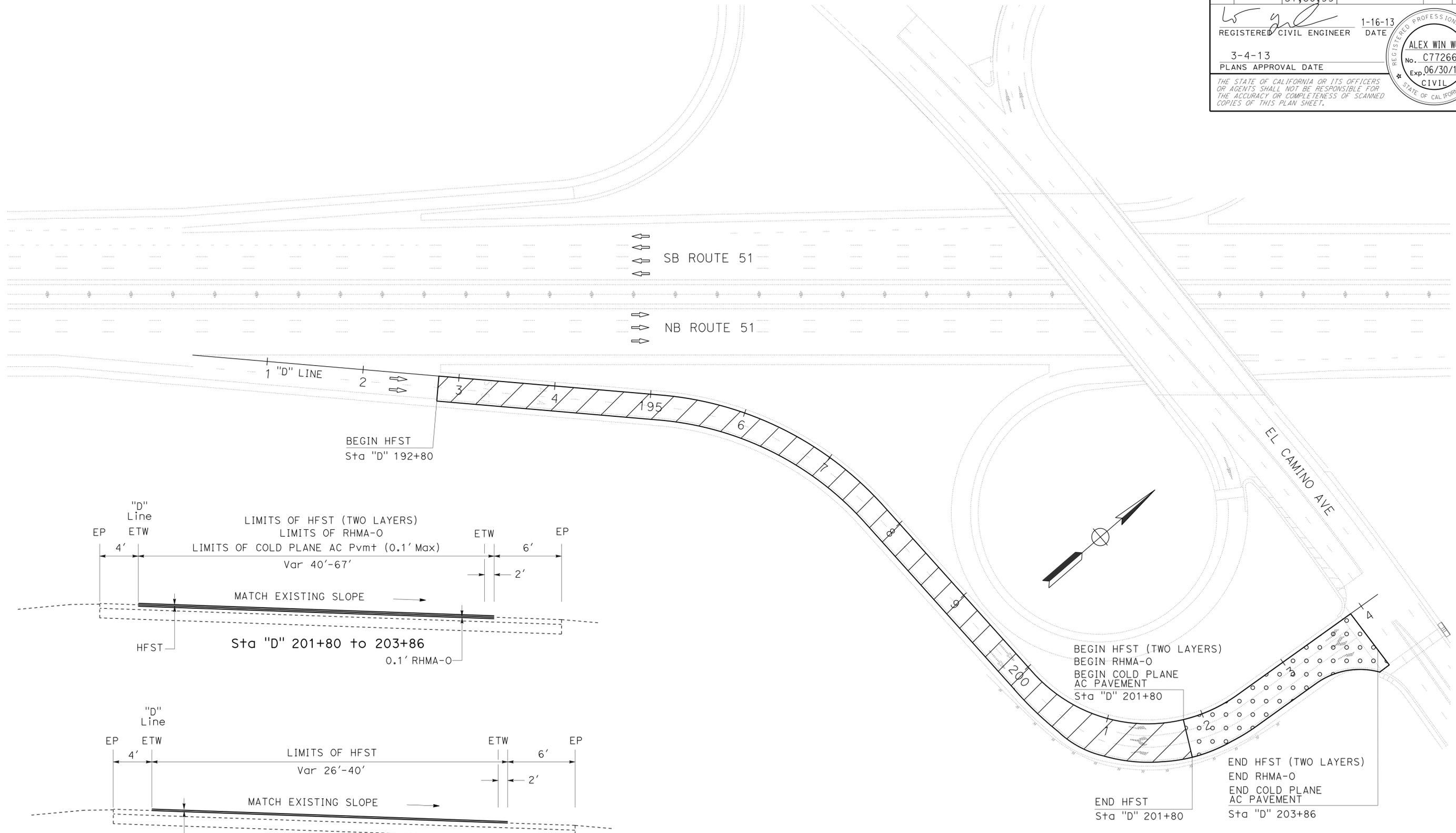
NO SCALE

C-5

LAST REVISION DATE PLOTTED => 06-MAR-2013 13:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	7	22
 REGISTERED CIVIL ENGINEER			1-16-13	DATE	
3-4-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans	STEPHEN T. WRIGHT	ANDY LUU	ANDY LUU
TRAFFIC		CHECKED BY	DATE REVISED
		ALEX WU	

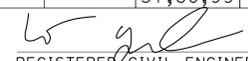


**NB OFF-RAMP TO EL CAMINO AVE
Sac 51**

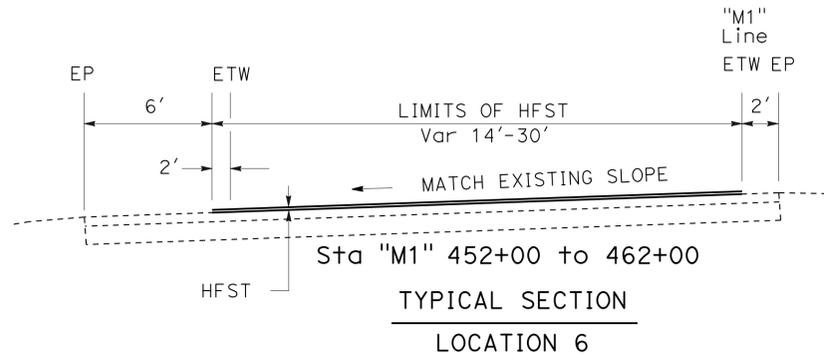
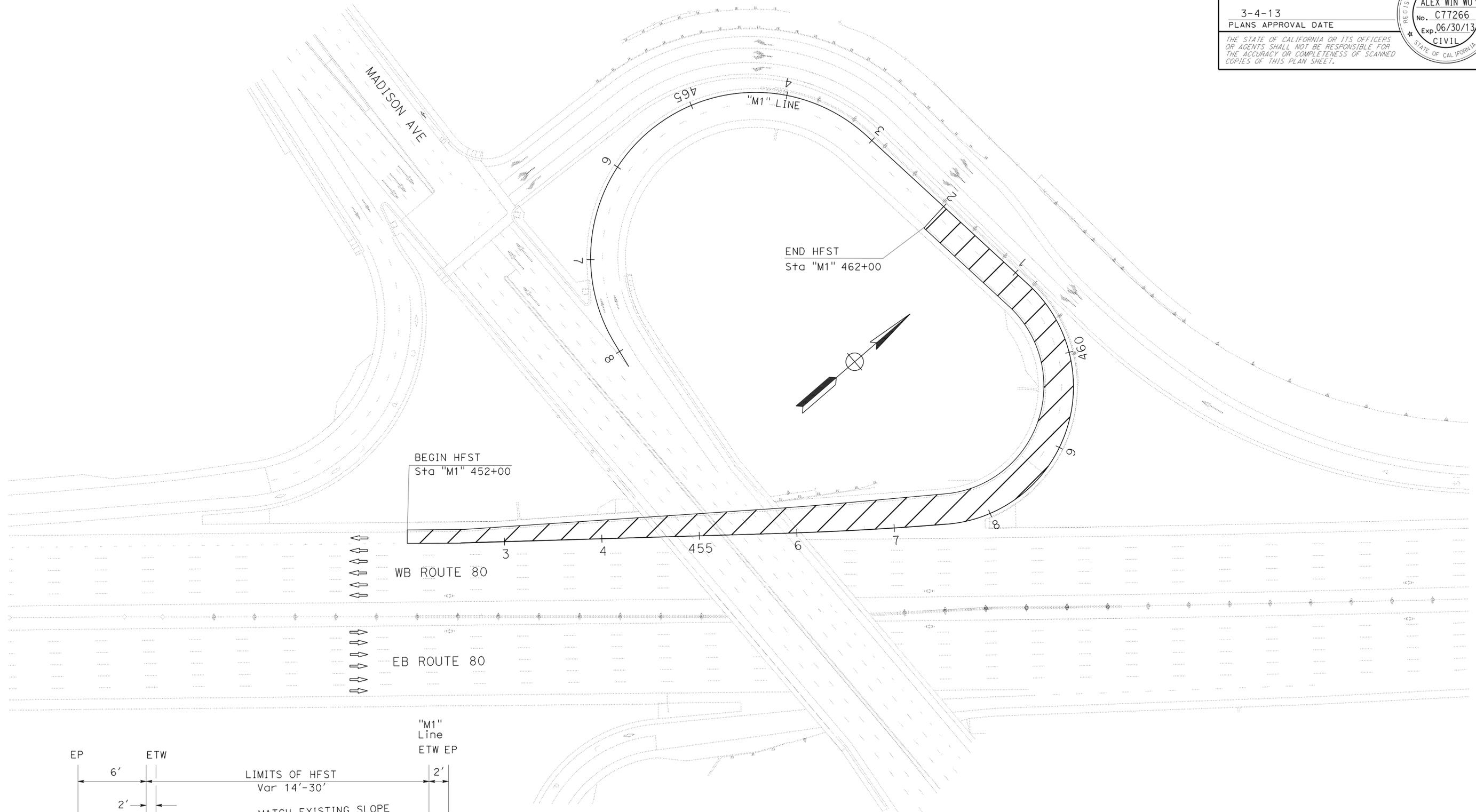
CONSTRUCTION DETAILS

NO SCALE

C-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	8	22
 REGISTERED CIVIL ENGINEER			1-16-13	DATE	
3-4-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY
Caltrans	STEPHEN T. WRIGHT	CHECKED BY	DATE REVISED
TRAFFIC			
		ANDY LUU	ALEX WU



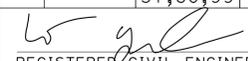
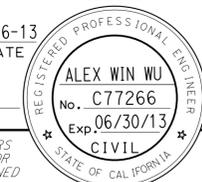
**WB ON-RAMP FROM WB MADISON AVE
Sac 80
CONSTRUCTION DETAILS**

**LOCATION 6
ROUTE 80 PM 12.36 / 12.56**

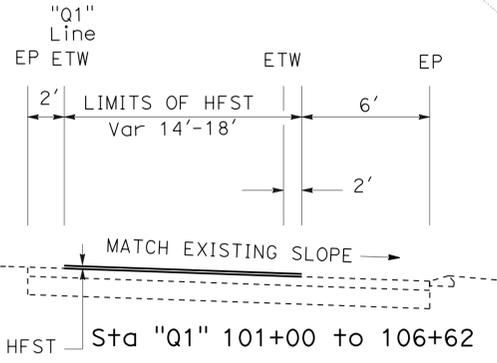
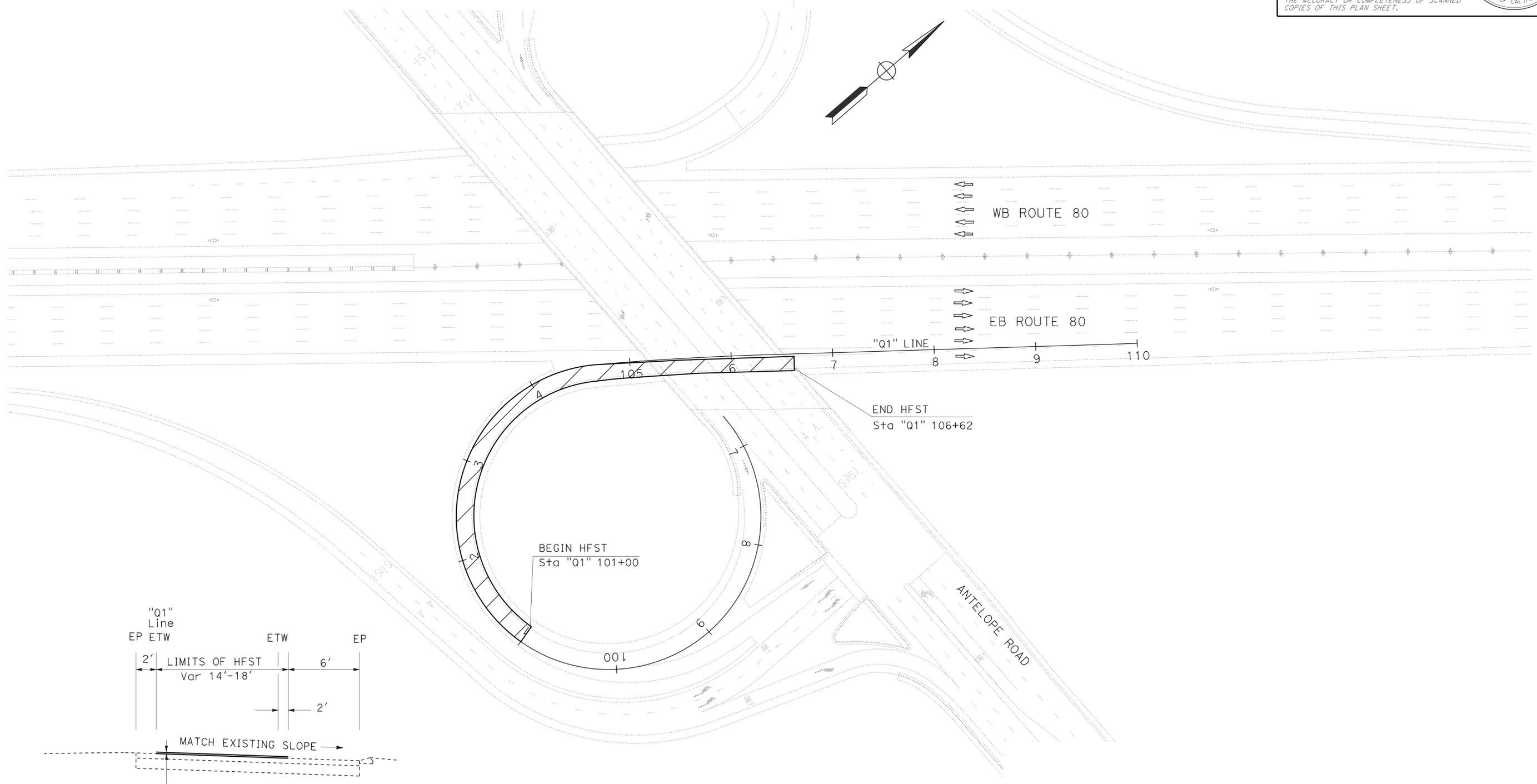
NO SCALE

C-7

LAST REVISION: DATE PLOTTED => 06-MAR-2013 06-01-12 TIME PLOTTED => 13:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	9	22
 REGISTERED CIVIL ENGINEER			1-16-13 DATE		
3-4-13 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
TRAFFIC	STEPHEN T. WRIGHT	CHECKED BY	DATE
		ANDY LUU	ANDY LUU
		ALEX WU	ALEX WU



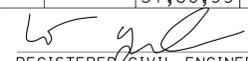
TYPICAL SECTION
LOCATION 7

**EB ON-RAMP FROM EB ANTELOPE RD
Sac 80
CONSTRUCTION DETAILS**

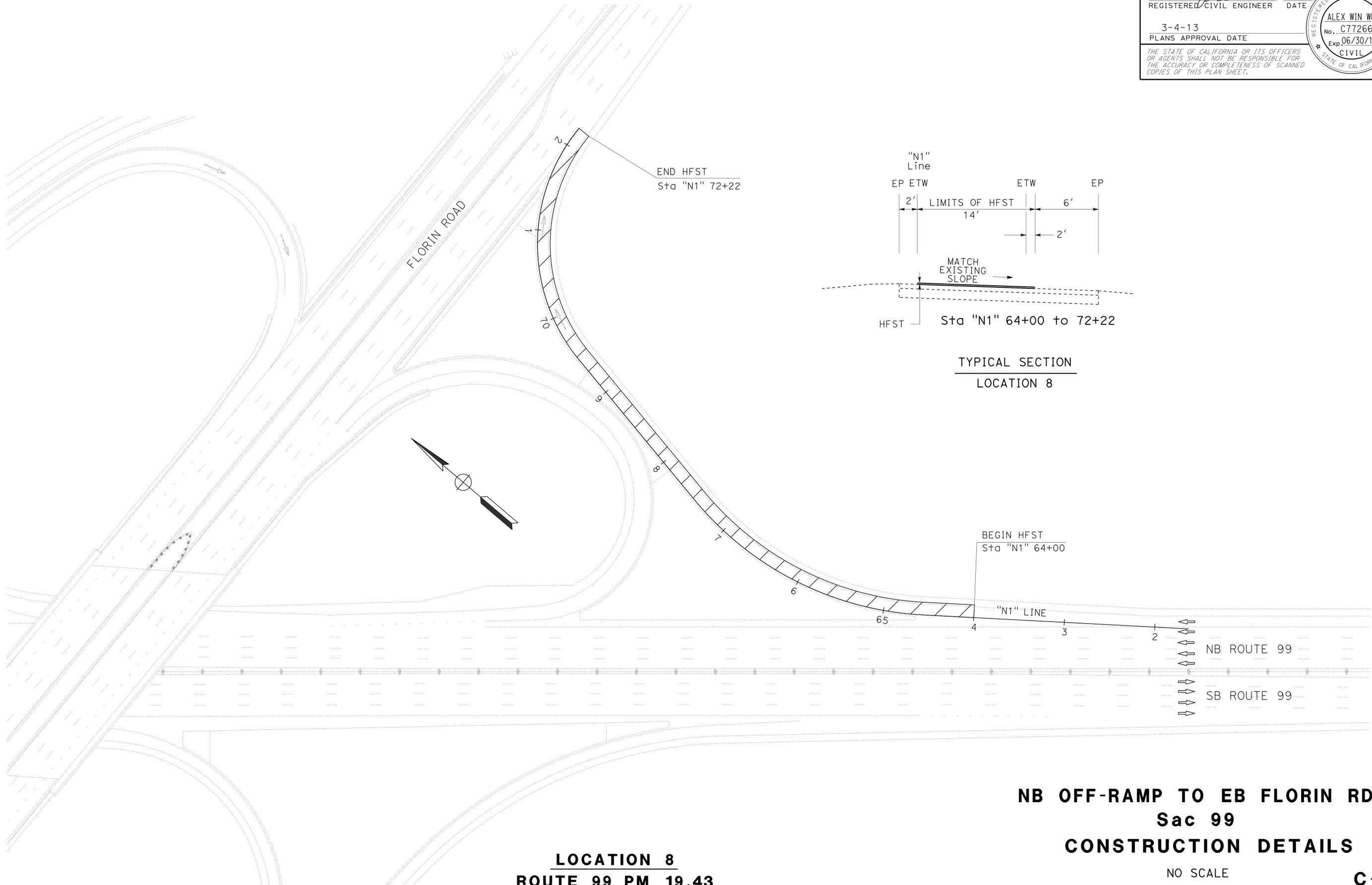
**LOCATION 7
ROUTE 80 PM 16.60/16.80**

NO SCALE **C-8**

LAST REVISION | DATE PLOTTED => 06-MAR-2013
06-01-12 | TIME PLOTTED => 13:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	10	22
 REGISTERED CIVIL ENGINEER			1-16-13	DATE	
3-4-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans	STEPHEN T. WRIGHT	ANDY LUU	
TRAFFIC		ALEX WU	
		CALCULATED/DESIGNED BY	CHECKED BY
		REVISOR	DATE



LOCATION 8
ROUTE 99 PM 19.43

NB OFF-RAMP TO EB FLORIN RD
Sac 99
CONSTRUCTION DETAILS

NO SCALE

C-9

LAST REVISION DATE PLOTTED => 06-MAR-2013 11-01-12 TIME PLOTTED => 13:56

NOTE:

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

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1	C23	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	8
(B)	G20-2	C14	48" X 24"	END ROAD WORK	1 - 4" X 6" OR SSBM	14
(C)		C23	48" X 48"	RAMP WORK AHEAD	1 - 6" X 6"	7

LEGEND:

(X) CONSTRUCTION AREA SIGN LETTER

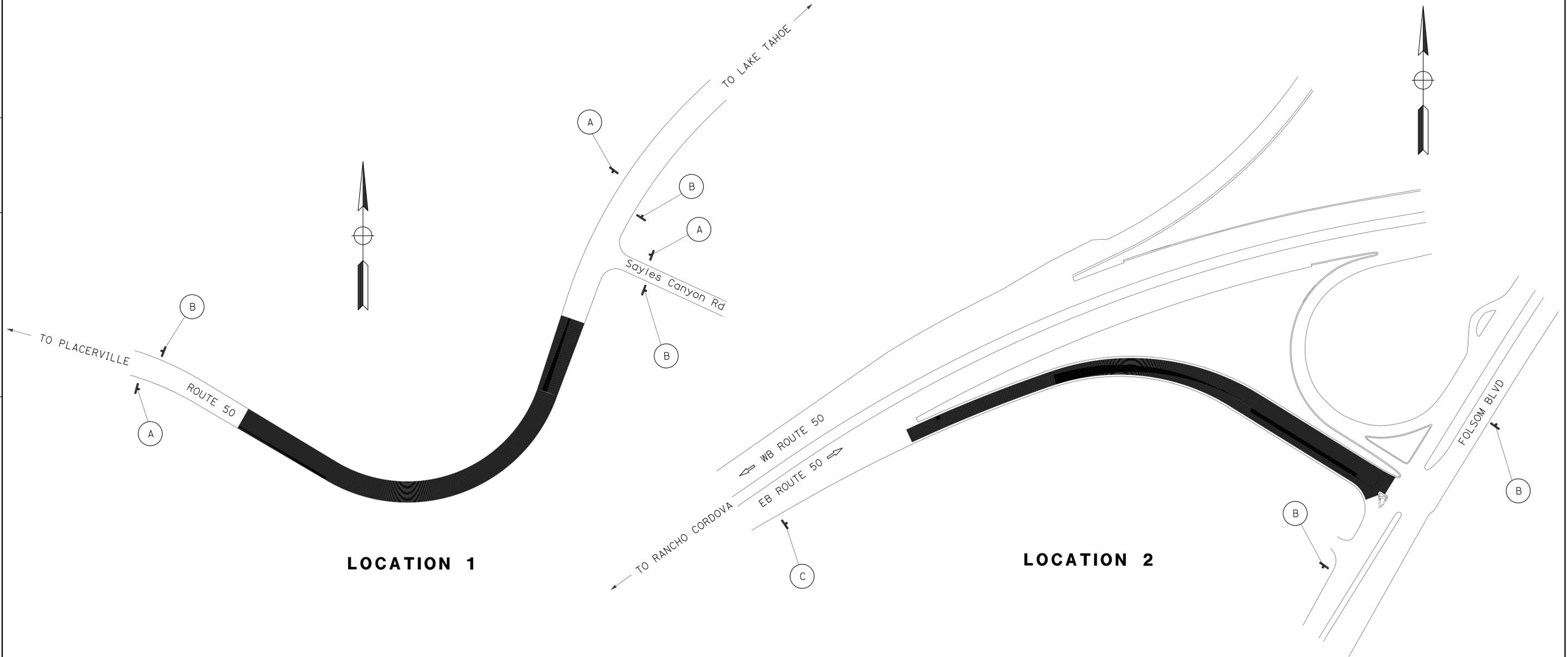
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	11	22

1-16-13
 REGISTERED CIVIL ENGINEER DATE
 3-4-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 ALEX WIN WU
 No. C77266
 Exp. 06/30/13
 CIVIL
 STATE OF CALIFORNIA

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC
 FUNCTIONAL SUPERVISOR
 STEPHEN T. WRIGHT
 CALCULATED/DESIGNED BY
 CHECKED BY
 ALEX WU
 ANDY LUU
 REVISED BY
 DATE REVISED



CONSTRUCTION AREA SIGNS
CS-1
 NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

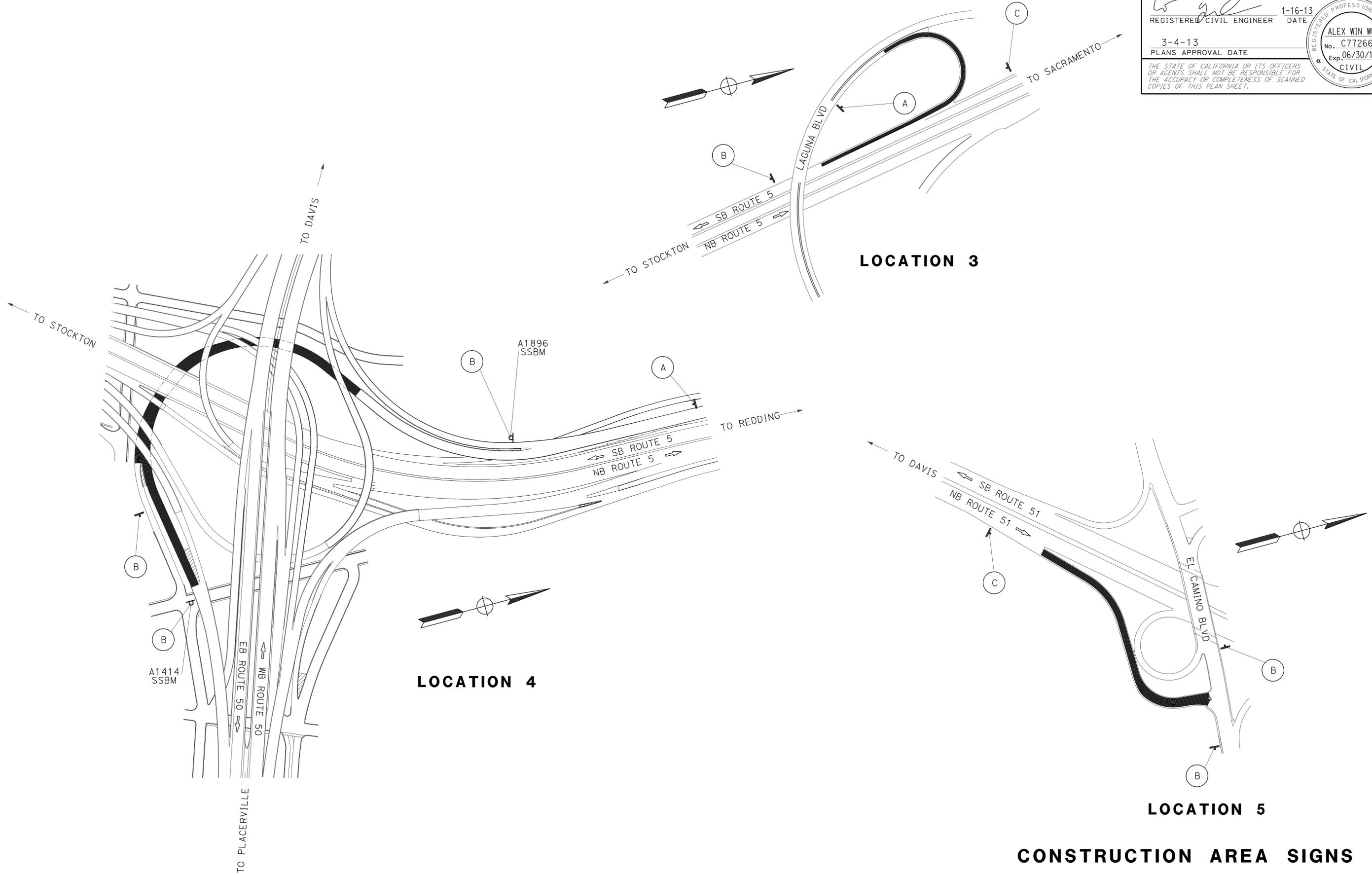
NOTE:

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 51, 80, 99	Var	12	22
 REGISTERED CIVIL ENGINEER			1-16-13	DATE	
3-4-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISED BY
Caltrans	STEPHEN T. WRIGHT	ALEX WU	ALEX WU
TRAFFIC	CHECKED BY	ANDY LUU	ANDY LUU



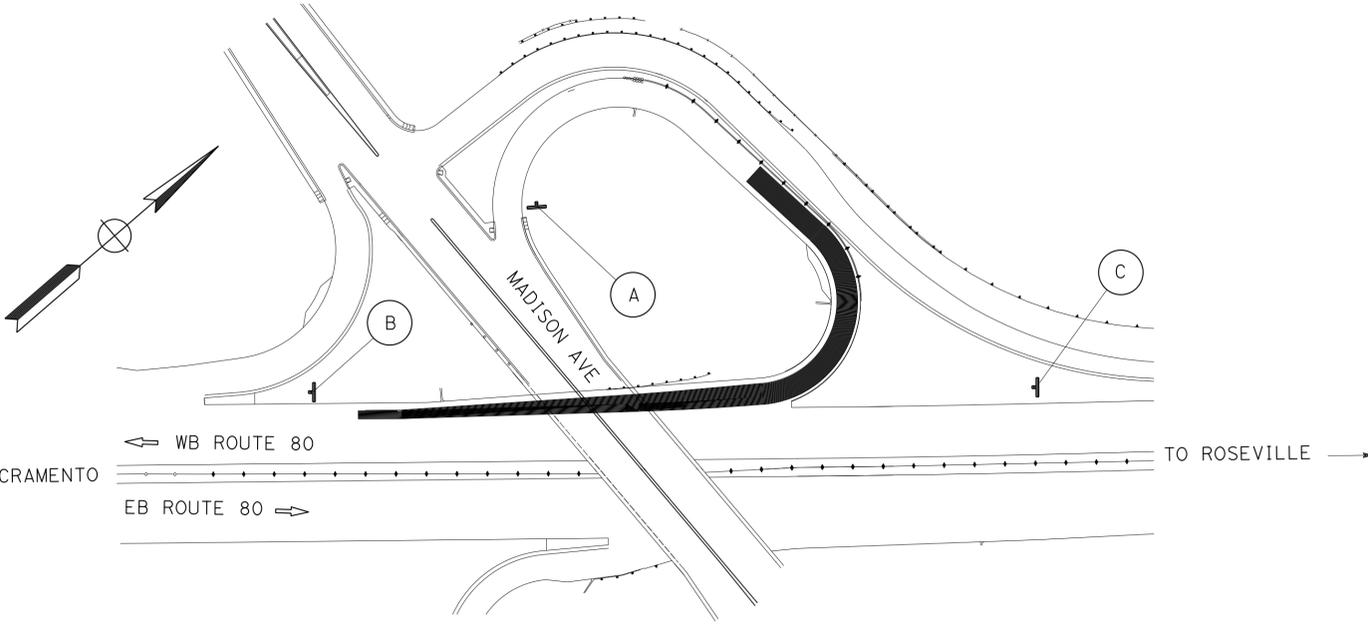
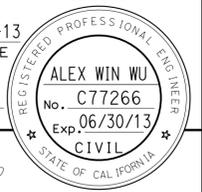
CONSTRUCTION AREA SIGNS
NO SCALE **CS-2**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

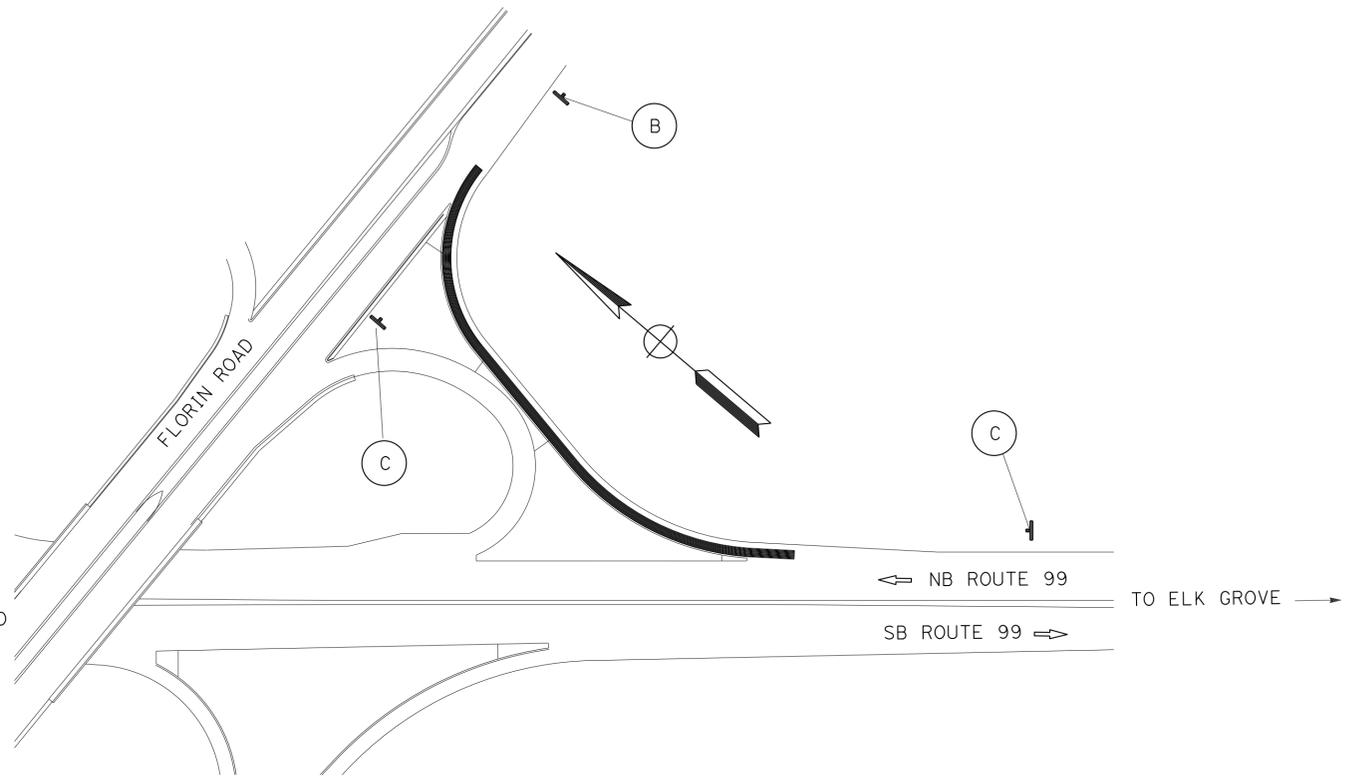
NOTE:

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

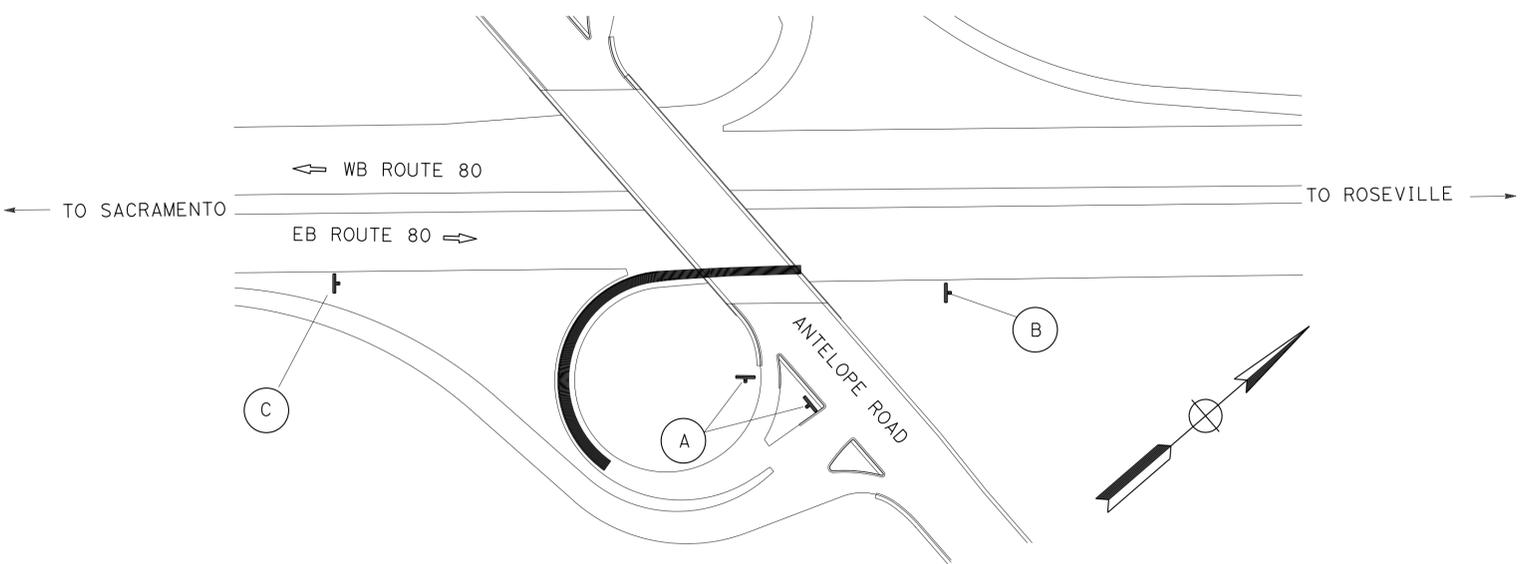
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED,Sac	5,50 51,80,99	Var	13	22
 REGISTERED CIVIL ENGINEER			1-16-13	DATE	
3-4-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



LOCATION 6



LOCATION 8



LOCATION 7

CONSTRUCTION AREA SIGNS

NO SCALE

CS-3

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISED BY
Caltrans	STEPHEN T. WRIGHT	ALEX WU ANDY LUU	DATE DATE
TRAFFIC	CHECKED BY		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 51, 80, 99	Var	14	22

1-16-13
 REGISTERED CIVIL ENGINEER DATE
 3-4-13
 PLANS APPROVAL DATE

ALEX WIN WU
 No. C77266
 Exp. 06/30/13
 CIVIL

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

NOTES:

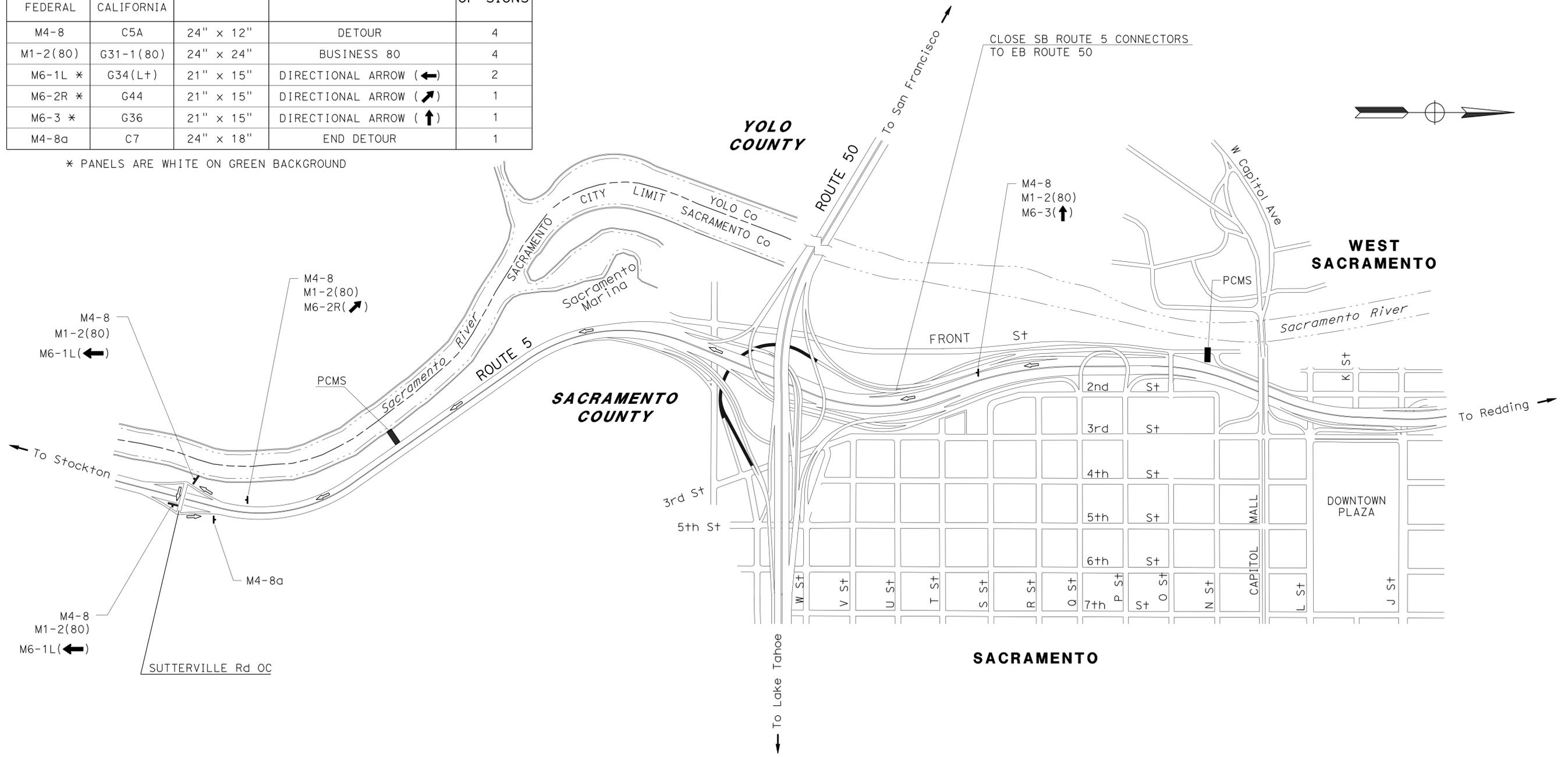
1. THIS PLAN ACCURATE FOR DETOUR CONSTRUCTION WORK ONLY.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
4. SEE CONSTRUCTION AREA SIGNS SHEETS FOR ADDITIONAL CONSTRUCTION AREA SIGNS.

LEGEND:

- <CA> CALIFORNIA SIGN CODE
 PCMS PORTABLE CHANGEABLE MESSAGE SIGN

SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF SIGNS
FEDERAL	CALIFORNIA			
M4-8	C5A	24" x 12"	DETOUR	4
M1-2(80)	G31-1(80)	24" x 24"	BUSINESS 80	4
M6-1L *	G34(L+)	21" x 15"	DIRECTIONAL ARROW (←)	2
M6-2R *	G44	21" x 15"	DIRECTIONAL ARROW (↗)	1
M6-3 *	G36	21" x 15"	DIRECTIONAL ARROW (↑)	1
M4-8a	C7	24" x 18"	END DETOUR	1

* PANELS ARE WHITE ON GREEN BACKGROUND



SB ROUTE 5 TO EB ROUTE 50 CONNECTOR DETOUR
 (VIA SB ROUTE 5 TO SUTTERVILLE ROAD)

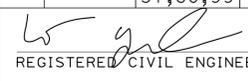
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

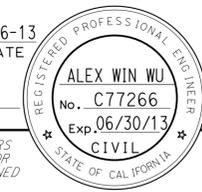
DETOUR PLAN
 NO SCALE

DE-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: STEPHEN T. WRIGHT
 TRAFFIC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	15	22


 REGISTERED CIVIL ENGINEER DATE 1-16-13
 3-4-13
 PLANS APPROVAL DATE



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

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION	TYPE III	TYPE III (B)	TYPE V	SIGNAL	AHEAD	LIMIT LINE
	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT
1						
2	462		66	64	62	40
3	84					
4						
5	84	73	66	64	62	
6						28
7						
8			66			
SUBTOTAL	630	73	198	128	124	68
TOTAL	1,221					

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

LOCATION	LEFT EDGELINE
	LF
1	
2	1,074
3	
4	
5	916
6	400
7	326
8	694
TOTAL	3,410

REMOVE THERMOPLASTIC TRAFFIC STRIPE

LOCATION	4" THERMOPLASTIC TRAFFIC STRIPE			4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	8" THERMOPLASTIC TRAFFIC STRIPE				
	DETAIL 21	DETAIL 25A	DETAIL 27B	DETAIL 9	DETAIL 36	DETAIL 36A	DETAIL 36B	DETAIL 37	DETAIL 38
	LF	LF	LF	LF	LF	LF	LF	LF	LF
1	1,750		1,750						
2			1,074	1,392	80				444
3	864	404	1,288	300		212			
4									
5			916	832					168
6			1,000	330		242		357	
7			562			236			
8			822				95		
SUBTOTAL	2,614	404	7,412	2,854	80	690	95	357	612
TOTAL	15,118								

NOTES:

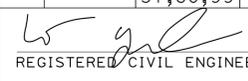
- ALL TRAFFIC STRIPES, PAVEMENT MARKERS AND PAVEMENT MARKINGS SHALL MATCH EXISTING.
- DETAIL 30 SHALL BE PLACED ON TOP OF DETAIL 28

PAVEMENT DELINEATION QUANTITIES PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

 FUNCTIONAL SUPERVISOR: STEPHEN T. WRIGHT
 CALCULATED/DESIGNED BY: ANDY LUU
 CHECKED BY: ALEX WU
 REVISED BY: ANDY LUU
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	16	22


 REGISTERED CIVIL ENGINEER DATE 1-16-13
 3-4-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 ALEX WIN WU
 No. C77266
 Exp. 06/30/13
 CIVIL
 STATE OF CALIFORNIA

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

THERMOPLASTIC PAVEMENT MARKING

LOCATION	TYPE III	TYPE III (B)	TYPE V	SIGNAL	AHEAD	LIMIT LINE OR CROSSWALK	SLOW
	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT
1							
2	462		66	64	62	40	
3	84						23
4							
5	168	146	66	64	62	142	
6						28	
7							
8			66				
SUBTOTAL	714	146	198	128	124	210	23
TOTAL	1,543						

NOTE: CROSSWALK AT LOCATION 5 IS A 1'-0" BASIC CROSSWALK

PAVEMENT MARKER (NON-REFLECTIVE)

LOCATION	DETAIL NUMBER	TYPE AY
		EA
1		
2		
3	30	205
4		
5		
6		
7		
8		
TOTAL		205

TRAFFIC STRIPE AND PAVEMENT MARKER

LOCATION	4" TWO-COMPONENT PAINT TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE			8" THERMOPLASTIC TRAFFIC STRIPE						4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	PAVEMENT MARKER (RETROREFLECTIVE)		
	DETAIL 21	DETAIL 27B	DETAIL 25A	DETAIL 27B	DETAIL 28	DETAIL 36	DETAIL 36A	DETAIL 36B	DETAIL 37	DETAIL 38	DETAIL 38B	DETAIL 12	DETAIL 9	TYPE G	TYPE H	TYPE D
	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA
1	1,750	1,750														
2			1,074	1,074		80					444		1,392	53	46	
3			404	1,288	888		212						300	16	18	41
4			1,904	1,904		126					95	1,904		65	80	
5			1,096	1,096						528			832	41	47	
6			400	1,000			242		357				330	32	18	
7			326	562			236							11	15	
8			694	822				95						9	30	
SUBTOTAL	1,750	1,750	5,898	7,746	888	206	690	95	357	972	95	1,904	2,854	227	254	41
TOTAL	3,500		14,532			2,415						1,904	2,854	522		

PAVEMENT DELINEATION QUANTITIES

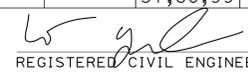
PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: STEPHEN T. WRIGHT
 REVISIONS: REVISED BY: ANDY LUU, ALEX WU
 CALCULATED/DESIGNED BY: CHECKED BY:

LAST REVISION | DATE PLOTTED => 06-MAR-2013
 06-01-12 | TIME PLOTTED => 13:58

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR
 STEPHEN T. WRIGHT
 CALCULATED/DESIGNED BY
 CHECKED BY
 ANDY LUU
 ALEX WU
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5,50 51,80,99	Var	17	22


 REGISTERED CIVIL ENGINEER DATE 1-16-13
 3-4-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ALEX WIN WU
 No. C77266
 Exp. 06/30/13
 CIVIL
 STATE OF CALIFORNIA

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

ROADWAY QUANTITIES

LOCATION	COLD PLANE AC PAVEMENT	TACK COAT	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)	THIN HIGH FRICTION SURFACE TREATMENT	CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	CRACK TREATMENT
	SQYD	TON	TON	SQYD	STA	LNMI
1				4,127	8.75	
2				4,350		
3				2,245		
4	9,224			9,224		0.4
5	1,012	0.48	7	3,839		
6				4,851		
7				2,733		
8				1,255		
TOTAL	10,236	0.48	7	32,624	8.75	0.4

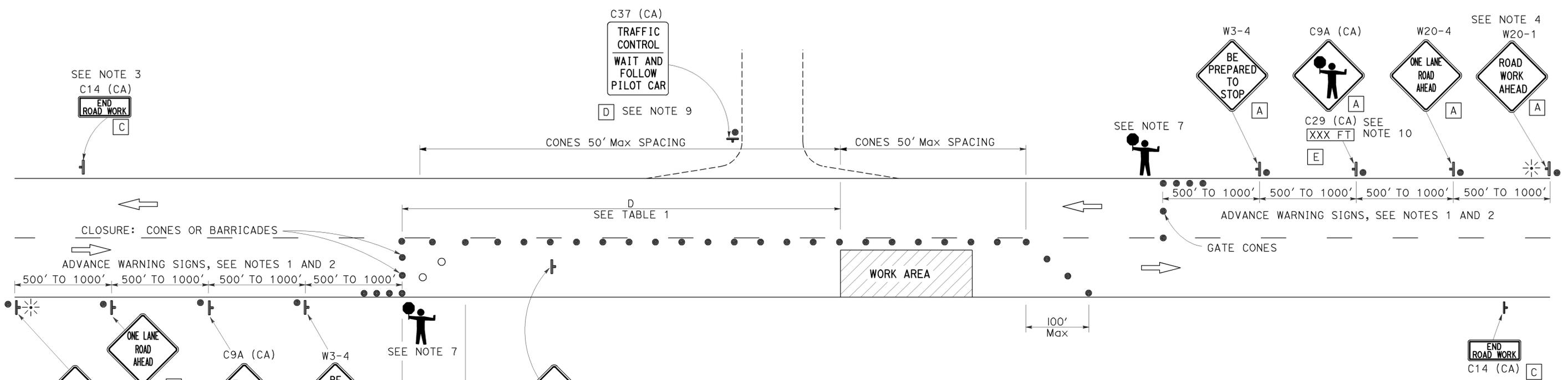
SUMMARY OF QUANTITIES

Q-1

LAST REVISION | DATE PLOTTED => 06-MAR-2013
 06-01-12 | TIME PLOTTED => 13:58

NOTES:
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.
 California code are designated by (CA).
 Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (MINIMUM)

- A 48" x 48" - SPEED OF 45 mph OR MORE
36" x 36" - SPEED LESS THAN 45 mph
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 36" x 9"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ⊢ TEMPORARY SIGN
- ☁ PORTABLE FLASHING BEACON
- 👤 FLAGGER

TABLE 1

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

- Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
- An optional C29 (CA) sign may be placed below the C9A (CA) sign.
- Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

TCS-1

REVISIONS: x, x, x, x, x
 REVISOR: _____ DATE: _____
 CALCULATED/DESIGNED BY: _____ CHECKED BY: _____
 FUNCTIONAL SUPERVISOR: _____
 DEPARTMENT OF TRANSPORTATION
 STATE OF CALIFORNIA
 Caltrans

LAST REVISION: _____ DATE PLOTTED => 10-DEC-2012
 00-00-00 TIME PLOTTED => 09:45

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 30" x 30"
- D 48" x 48" - SPEED OF 50 mph OR MORE
36" x 36" - SPEED LESS THAN 50 mph
- E 48" x 36"

LEGEND

- TRAFFIC CONE
- † TEMPORARY SIGN
- ‡ BARRICADES

NOTES:

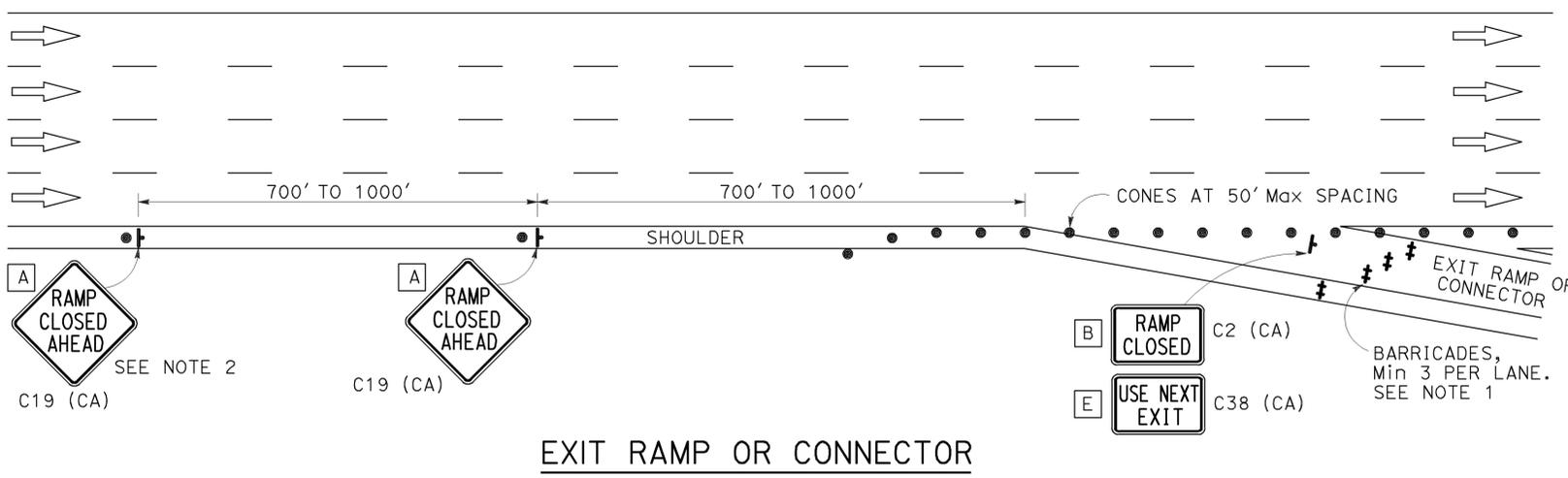
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19 (CA) "RAMP CLOSED AHEAD" and C30 (CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
- Each advance C19 (CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color.
- All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" sign in the gore area shall be covered during ramp closures.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 51, 80, 99	Var	19	22

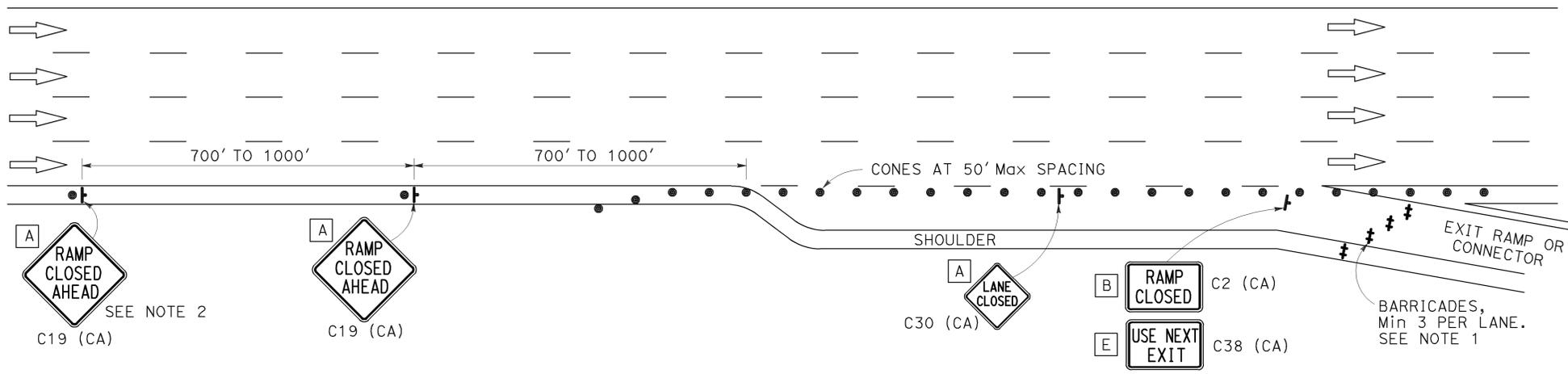
12-7-12
 REGISTERED CIVIL ENGINEER DATE
 3-4-13
 PLANS APPROVAL DATE

Gurinderpal Bhullar
 No. C48815
 Exp 9-30-14
 CIVIL

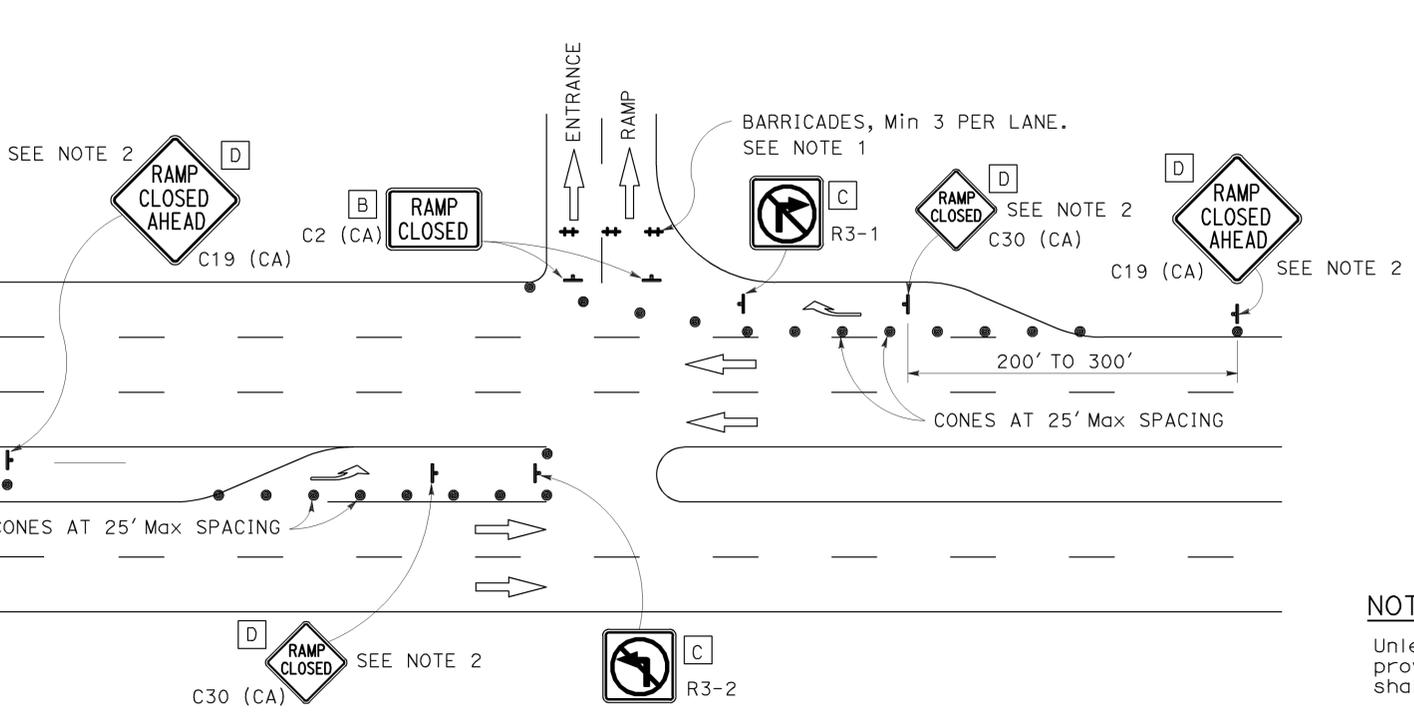
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



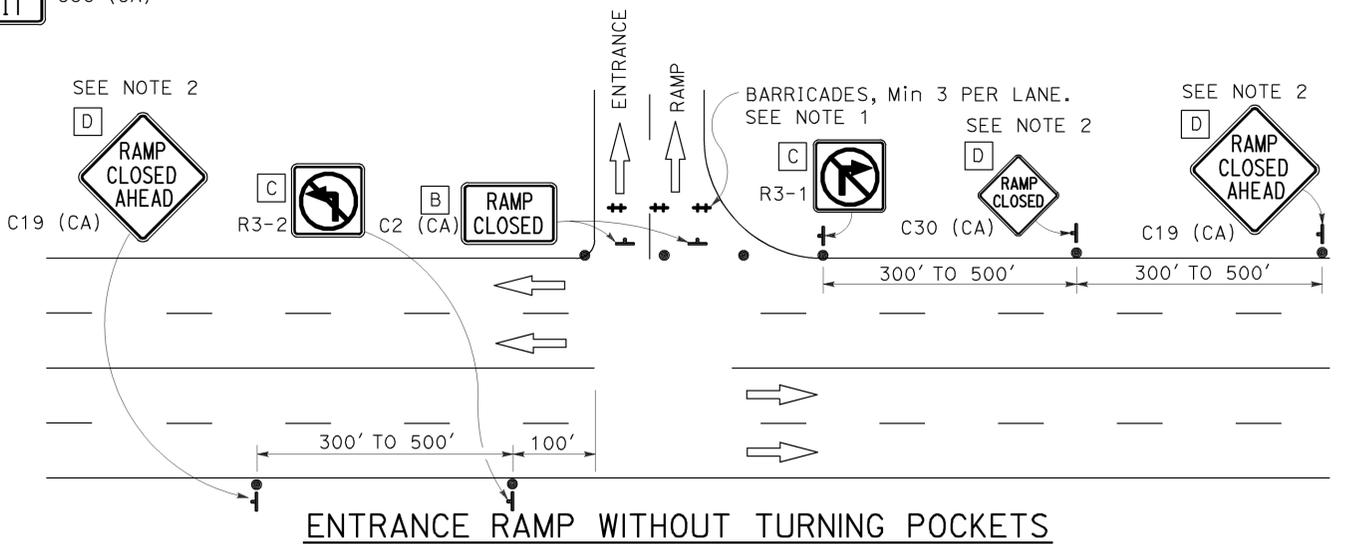
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

- Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.
- California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

TCS-2

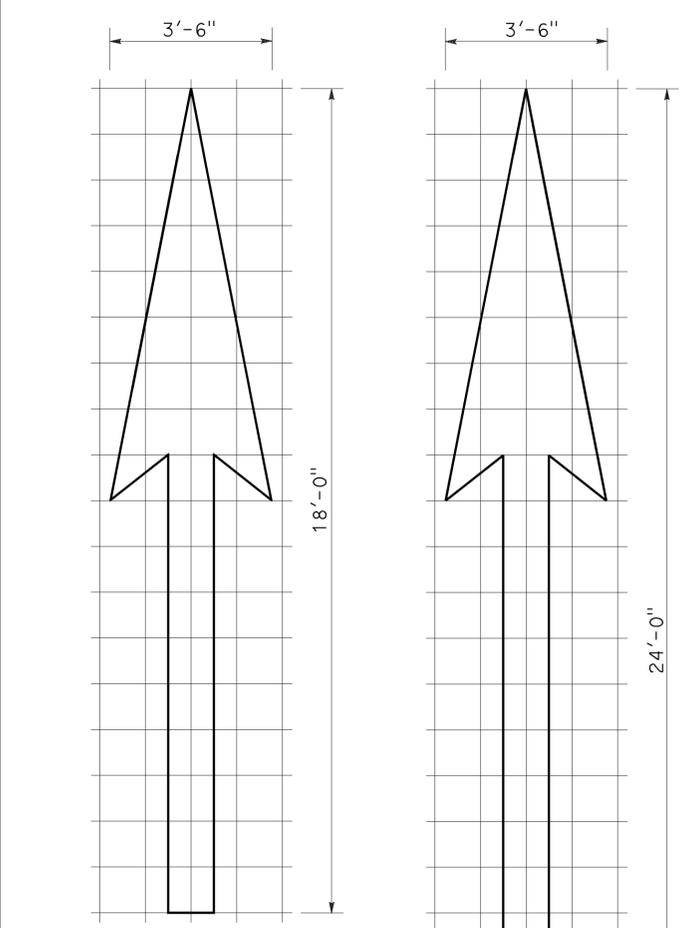
REVISIONS: REVISED BY DATE REVISIONS: CALCULATED/DESIGNED BY CHECKED BY
 FUNCTIONAL SUPERVISOR
 DEPARTMENT OF TRANSPORTATION
 STATE OF CALIFORNIA - Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 180, 99	Var	20	22

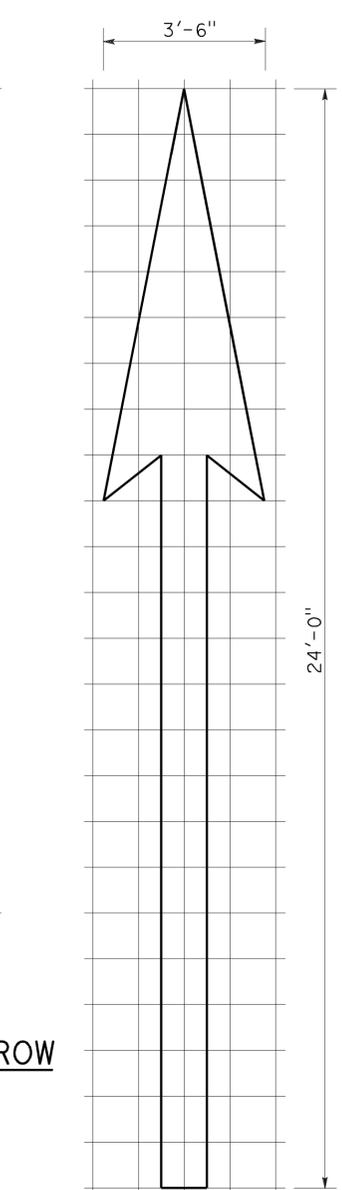
Roberto L. McLaughlin
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

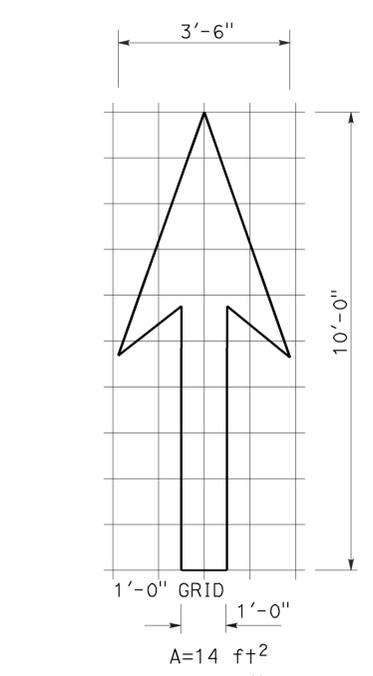
TO ACCOMPANY PLANS DATED 3-4-13



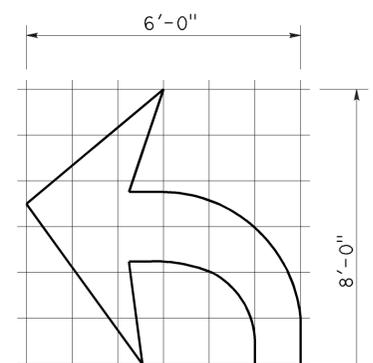
A=25 ft²
TYPE I 18'-0" ARROW



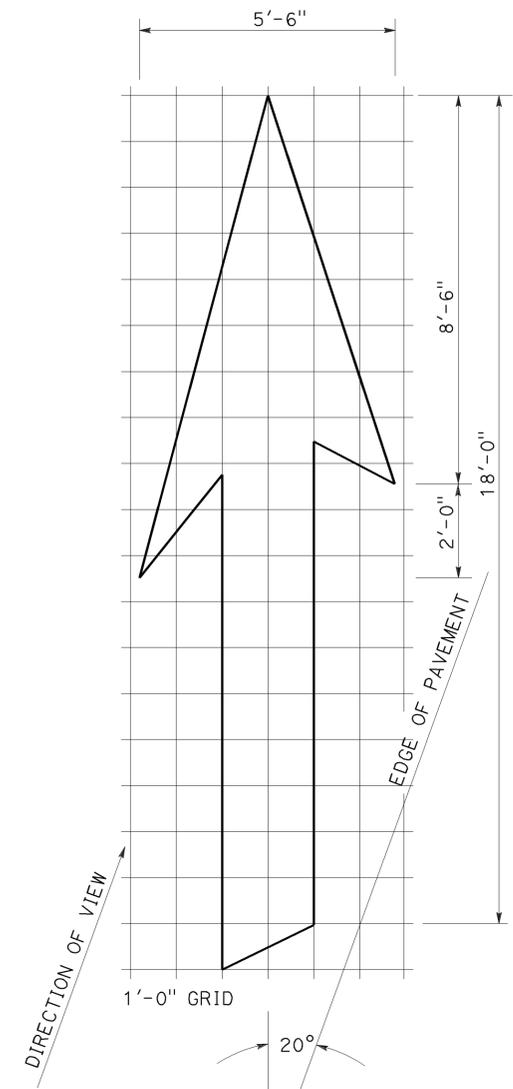
A=31 ft²
TYPE I 24'-0" ARROW



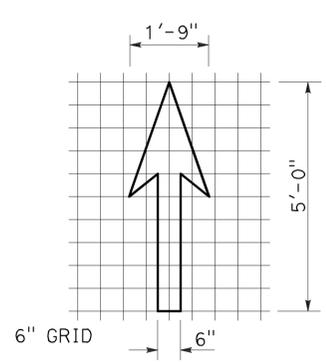
A=14 ft²
TYPE I 10'-0" ARROW



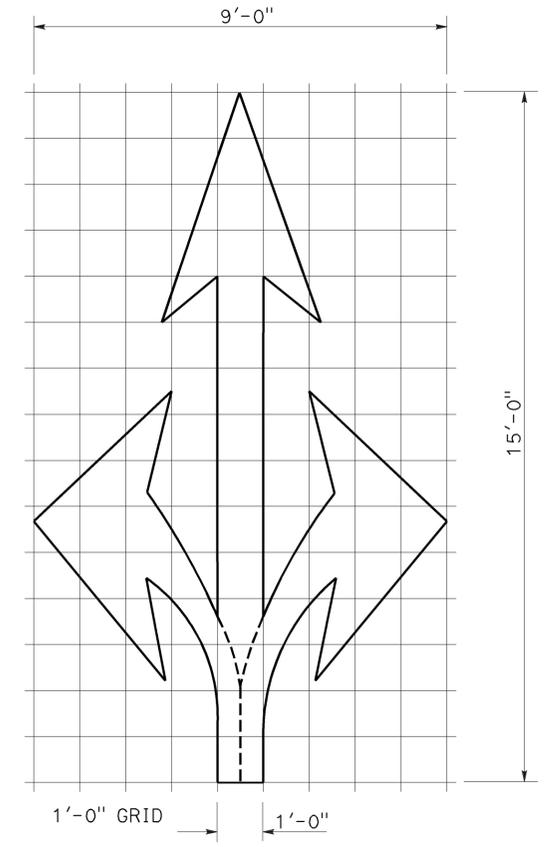
A=15 ft²
TYPE IV (L) ARROW
 (For Type IV (R) arrow, use mirror image)



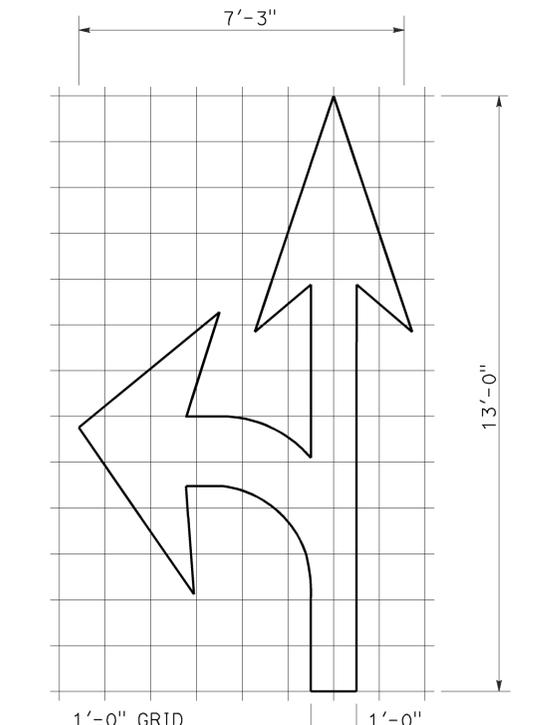
A=42 ft²
TYPE VI ARROW
 Right lane drop arrow
 (For left lane, use mirror image)



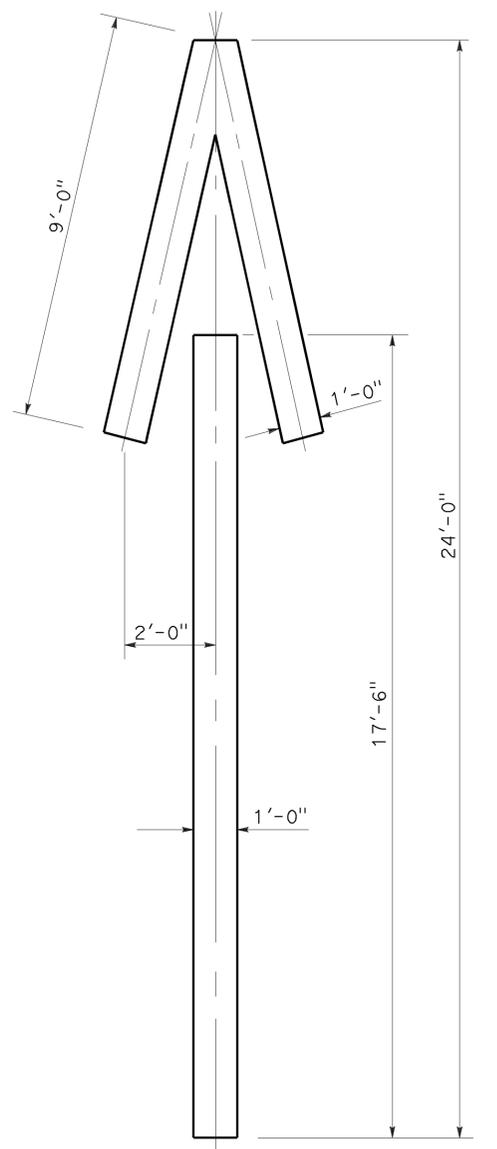
A=3.5 ft²
BIKE LANE ARROW



A=36 ft²
TYPE VIII ARROW



A=27 ft²
TYPE VII (L) ARROW
 (For Type VII (R) arrow, use mirror image)



A=33 ft²
TYPE V ARROW

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

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

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

REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

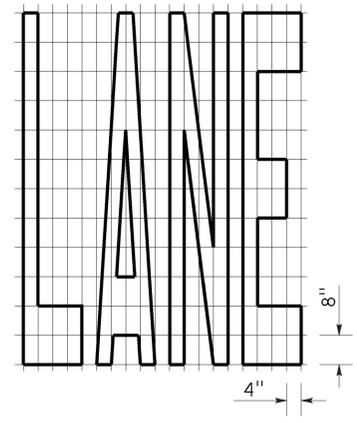
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	51, 80, 99	Var	21	22

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

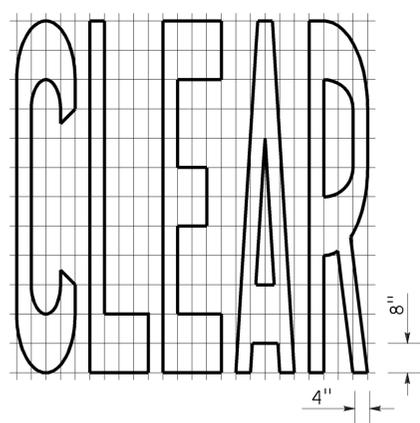
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

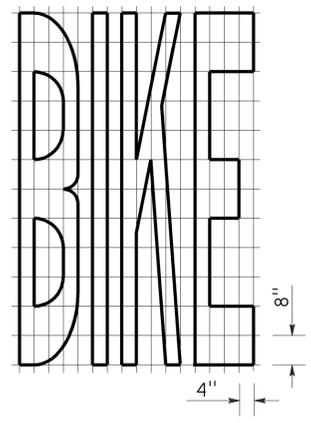
TO ACCOMPANY PLANS DATED 3-4-13



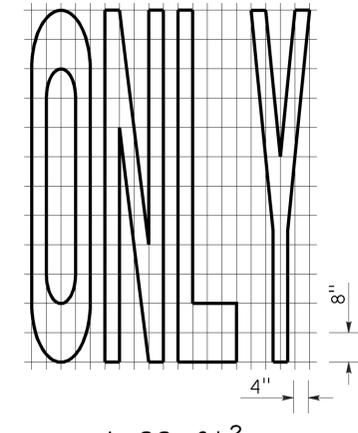
A=24 ft²



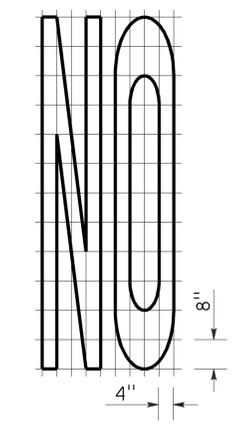
A=27 ft²



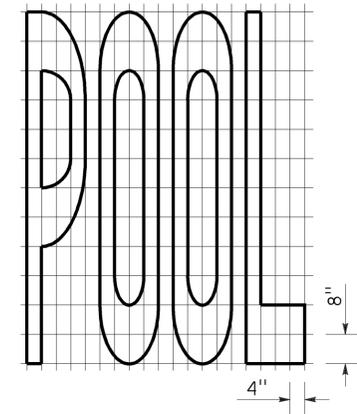
A=21 ft²



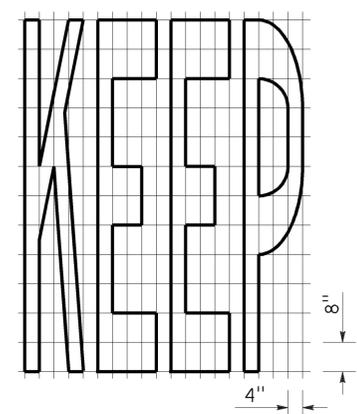
A=22 ft²



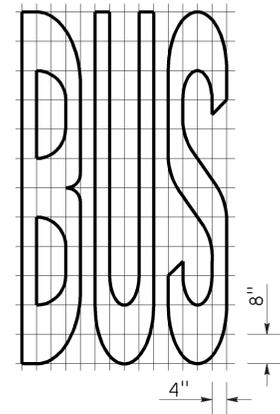
A=14 ft²



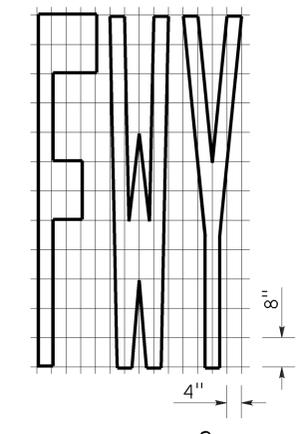
A=23 ft²



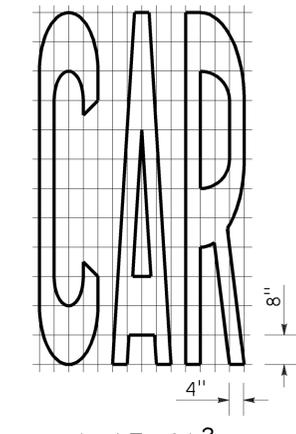
A=24 ft²



A=20 ft²

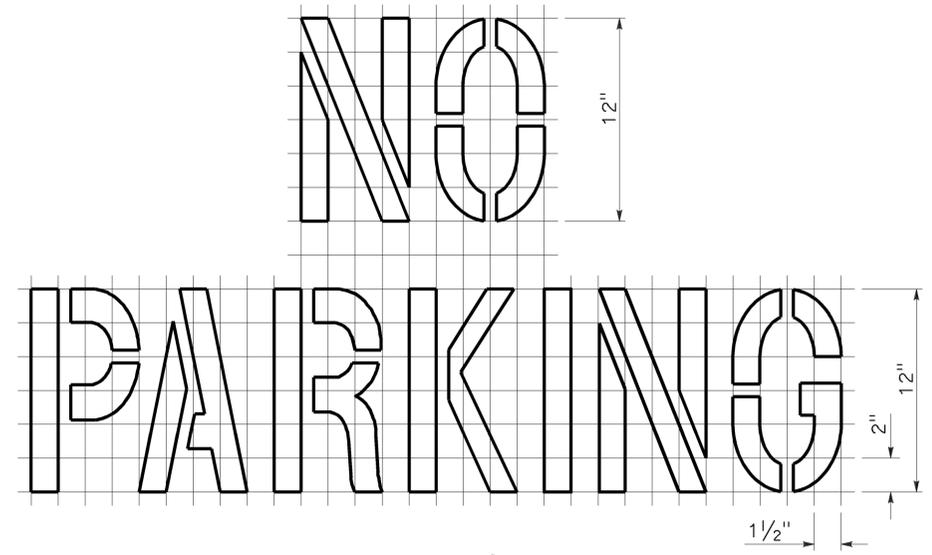


A=16 ft²

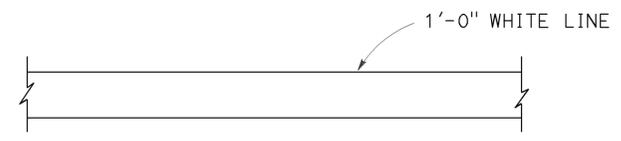


A=17 ft²

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



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**

NO SCALE

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

2010 REVISED STANDARD PLAN RSP A24E

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Sac	5, 50 51, 80, 99	Var	22	22

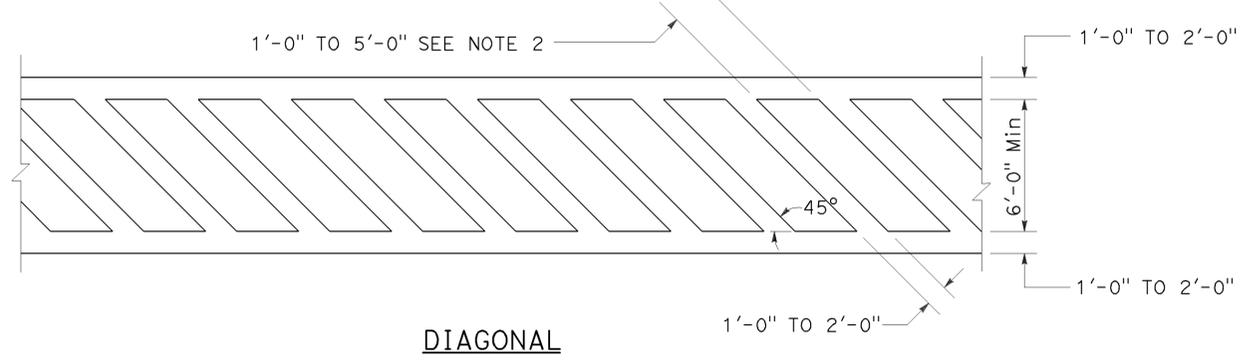
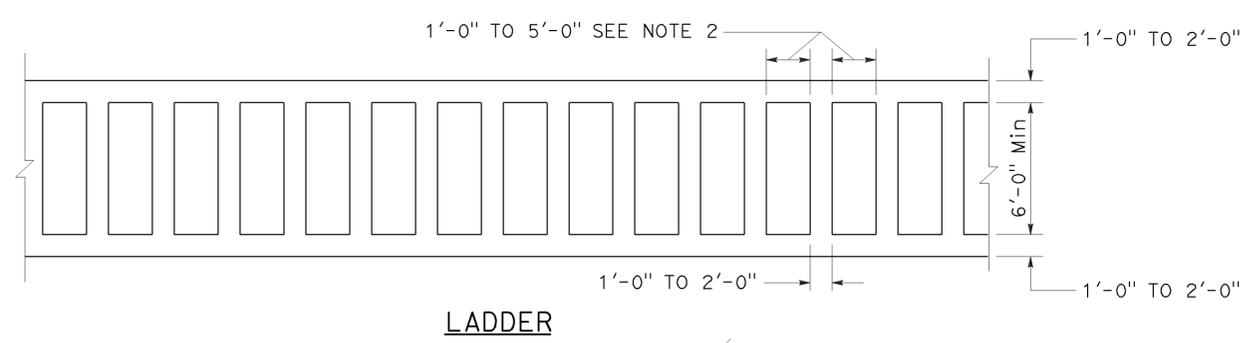
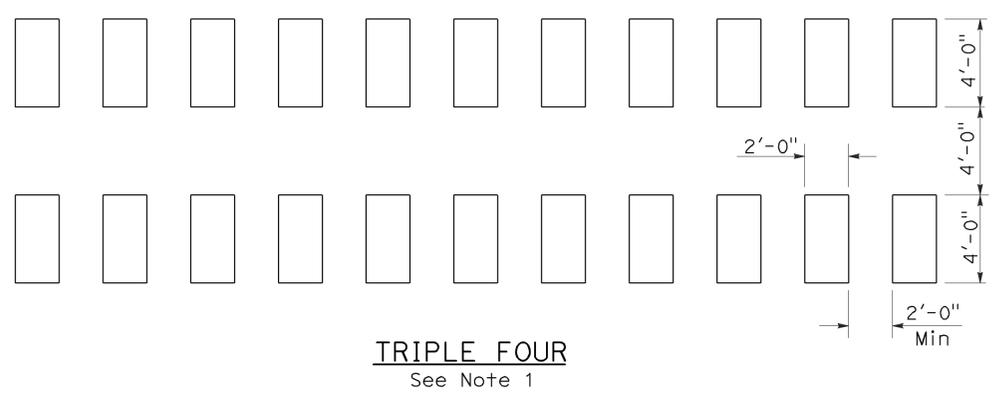
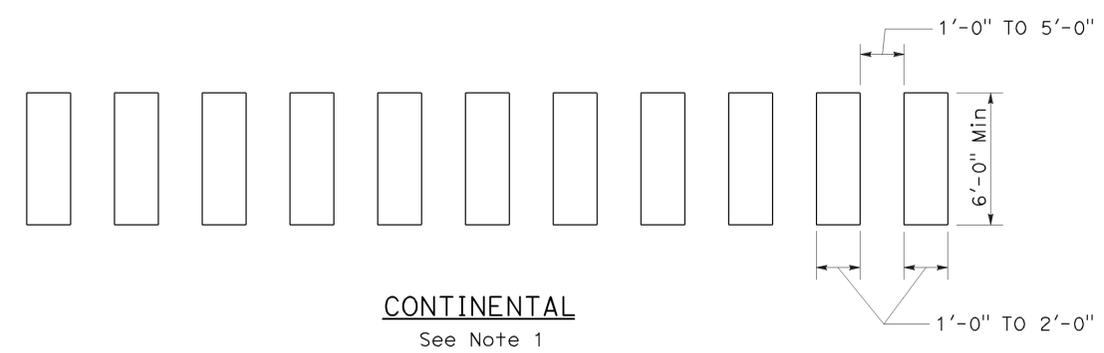
REGISTERED CIVIL ENGINEER
Roberta L. McLaughlin
 July 20, 2012
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Roberta L. McLaughlin
 No. C40375
 Exp. 3-31-13
 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.

TO ACCOMPANY PLANS DATED 3-4-13

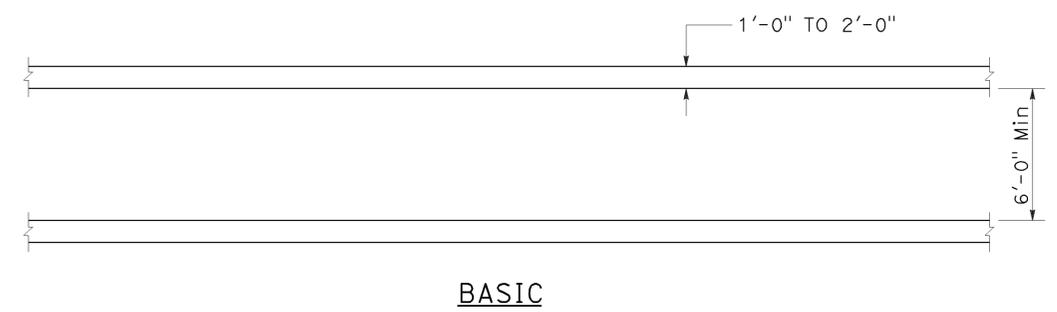
2010 REVISED STANDARD PLAN RSP A24F



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.