

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN MODOC COUNTY NEAR ALTURAS
FROM ROUTE 395 TO 0.4 MILE
EAST OF COUNTY ROAD 58

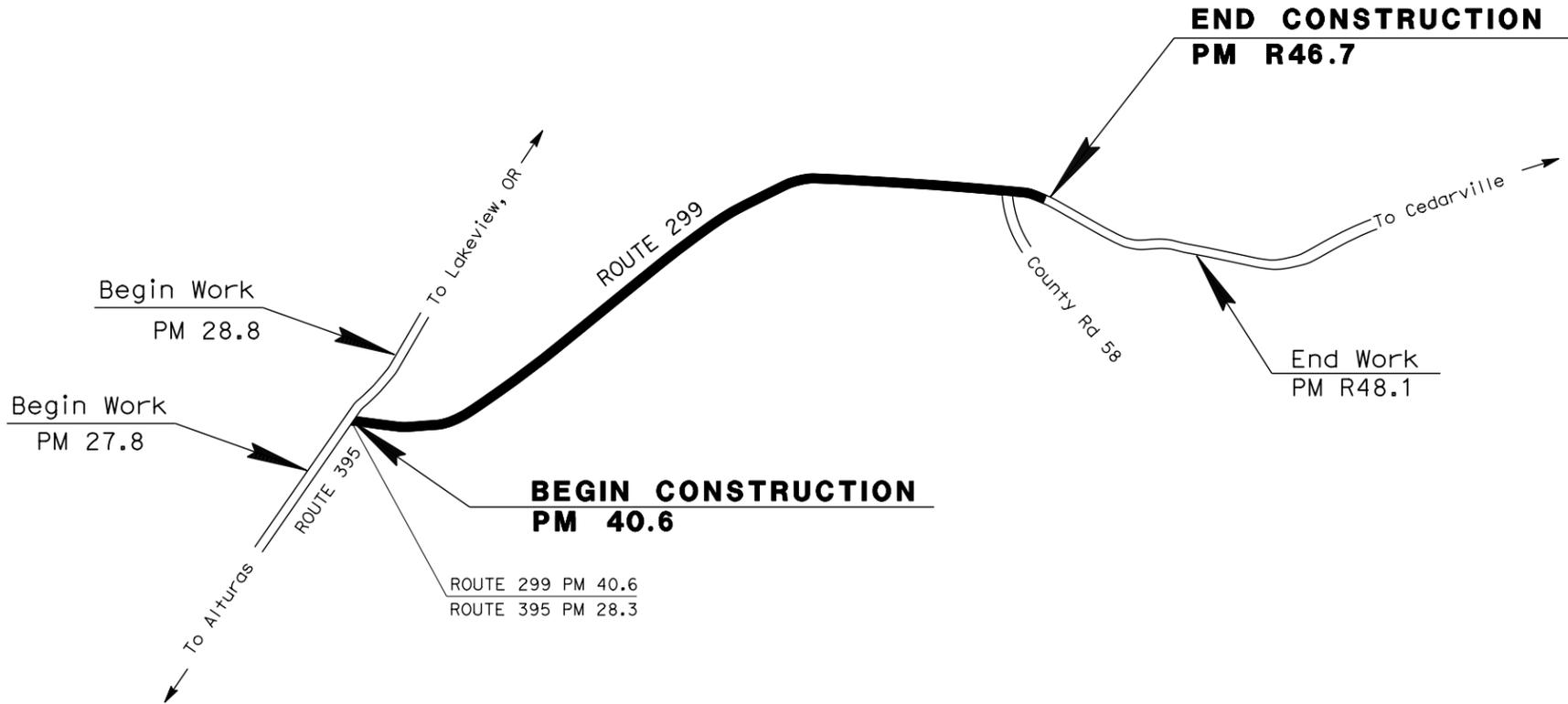
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3-4	CONSTRUCTION DETAILS
5	CONSTRUCTION AREA SIGNS
6	PAVEMENT DELINEATION DETAILS AND QUANTITIES
7	SUMMARY OF QUANTITIES
8	MODIFY TRAFFIC COUNT STATION
9-10	TRAFFIC CONTROL SYSTEM
11-13	REVISED STANDARD PLANS

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Mod	299	40.6/R46.7	1	13



PROJECT MANAGER
DON ANDERSON
DESIGN ENGINEER
DON ANDERSON

Denise Fuze 12-27-12
PROJECT ENGINEER DATE

REGISTERED CIVIL ENGINEER

December 27, 2012
PLANS APPROVAL DATE

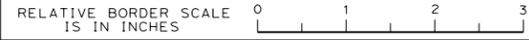


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CONTRACT No.	02-4F1404
PROJECT ID	0212000118

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

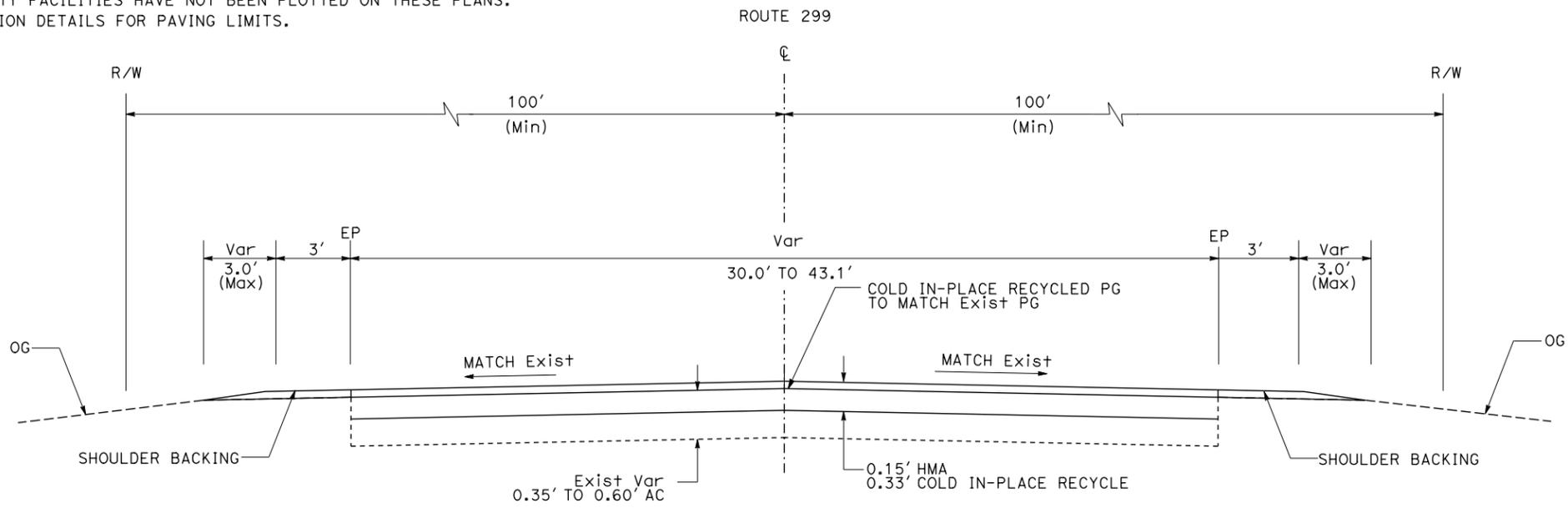
NO SCALE



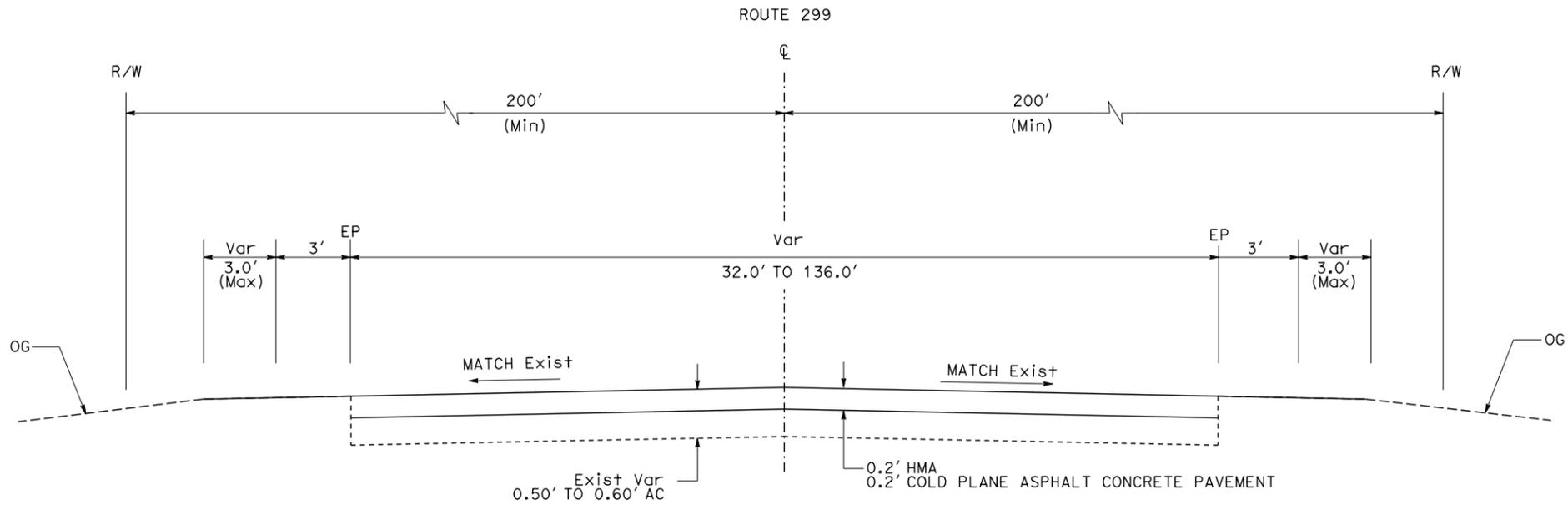
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Mod	299	40.6/R46.7	2	13
<i>Denise Suzere</i> 12-27-12 REGISTERED CIVIL ENGINEER DATE			PROFESSIONAL ENGINEER DENISE FUZERE No. C69865 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA		
12-27-12 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
5. SEE CONSTRUCTION DETAILS FOR PAVING LIMITS.



TYPICAL CROSS SECTION
PM 40.8 TO R46.7



TYPICAL CROSS SECTION
PM 40.6 TO 40.8
*SEE NOTE 5

TYPICAL CROSS SECTIONS

NO SCALE

X-1

P:\p\proj\1\02\4f140\pl\ans\psee\24f140ca001.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
 FUNCTIONAL SUPERVISOR: DON ANDERSON
 CHECKED BY: KARLIE SMITH
 DESIGNED BY: DENISE FUZERE
 REVISIONS: REVISOR, DATE, REVISIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Mod	299	40.6/R46.7	3	13
<i>Denise Suzere</i> 12-27-12 REGISTERED CIVIL ENGINEER DATE			PROFESSIONAL ENGINEER DENISE FUZERE No. C69865 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA		
12-27-12 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:

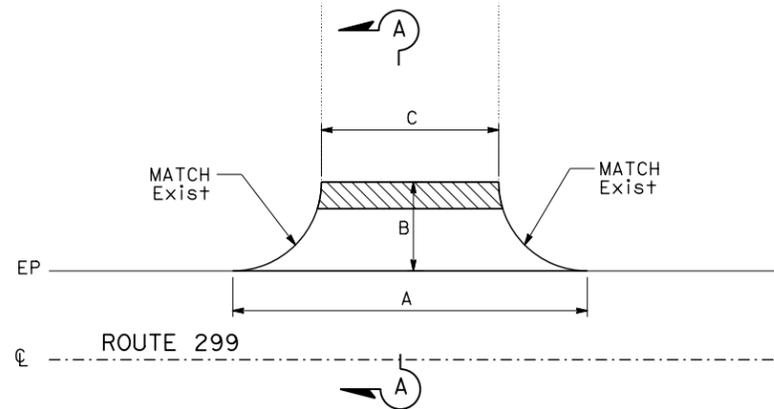
1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND:

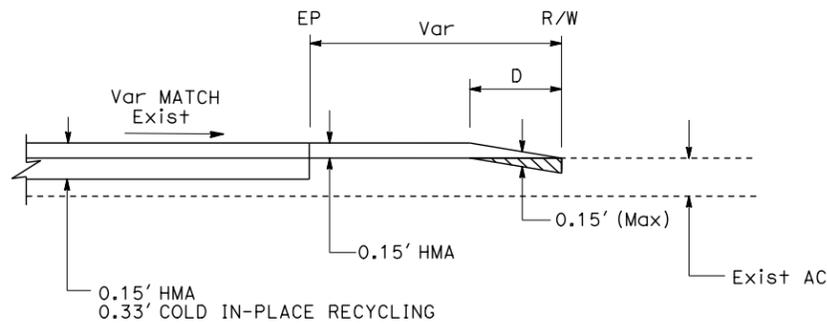
- COLD PLANE ASPHALT CONCRETE PAVEMENT (0.00' TO 0.15')
- 0.2' HMA
- 0.2' COLD PLANE ASPHALT CONCRETE PAVEMENT
- TEMPORARY HMA

ABBREVIATIONS:

CIR COLD IN-PLACE RECYCLE



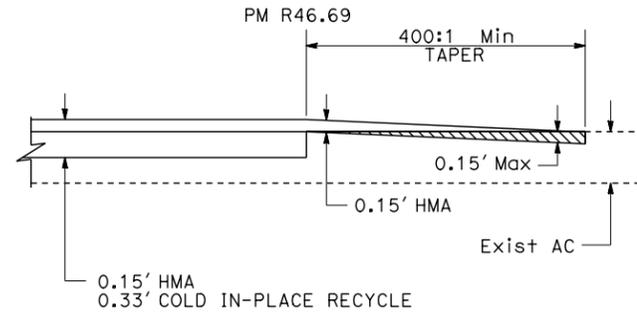
PAVED ROAD CONNECTIONS/DRIVEWAYS



SECTION A-A

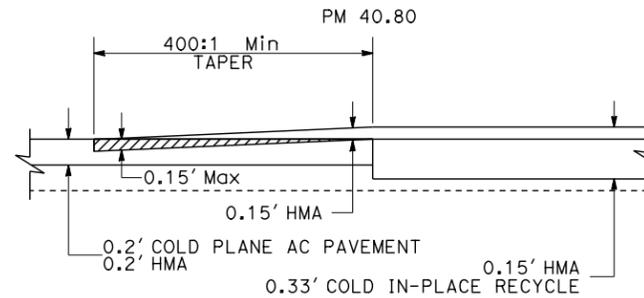
PAVED ROAD CONNECTION/DRIVEWAY

TYPE	POST MILE	DIMENSIONS (LF)			
		A	B	C	D
DRIVEWAY - R+	42.1	75	20	17	15
DRIVEWAY - R+	44.6	125	20	54	15
DRIVEWAY - L+	45.5	116	20	24	15
COUNTY ROAD 58 - R+	46.3	130	20	39	15



MAINLINE CONFORM TAPER

PM R46.7



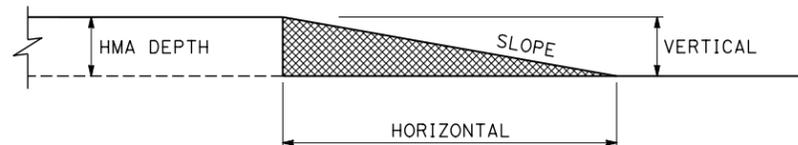
MAINLINE CONFORM TAPER

PM 40.80

TRAVERSE JOINT TEMPORARY CONSTRUCTION TAPERS

VERTICAL	SLOPE RATIO Horiz/Vert
0-0.10'	60:1
GREATER THAN 0.10'	160:1*

* PAVED WITH PAVER OR COLD PLANE WITH GRINDER



TYPICAL PAVING CONFORM

CONSTRUCTION DETAILS

NO SCALE

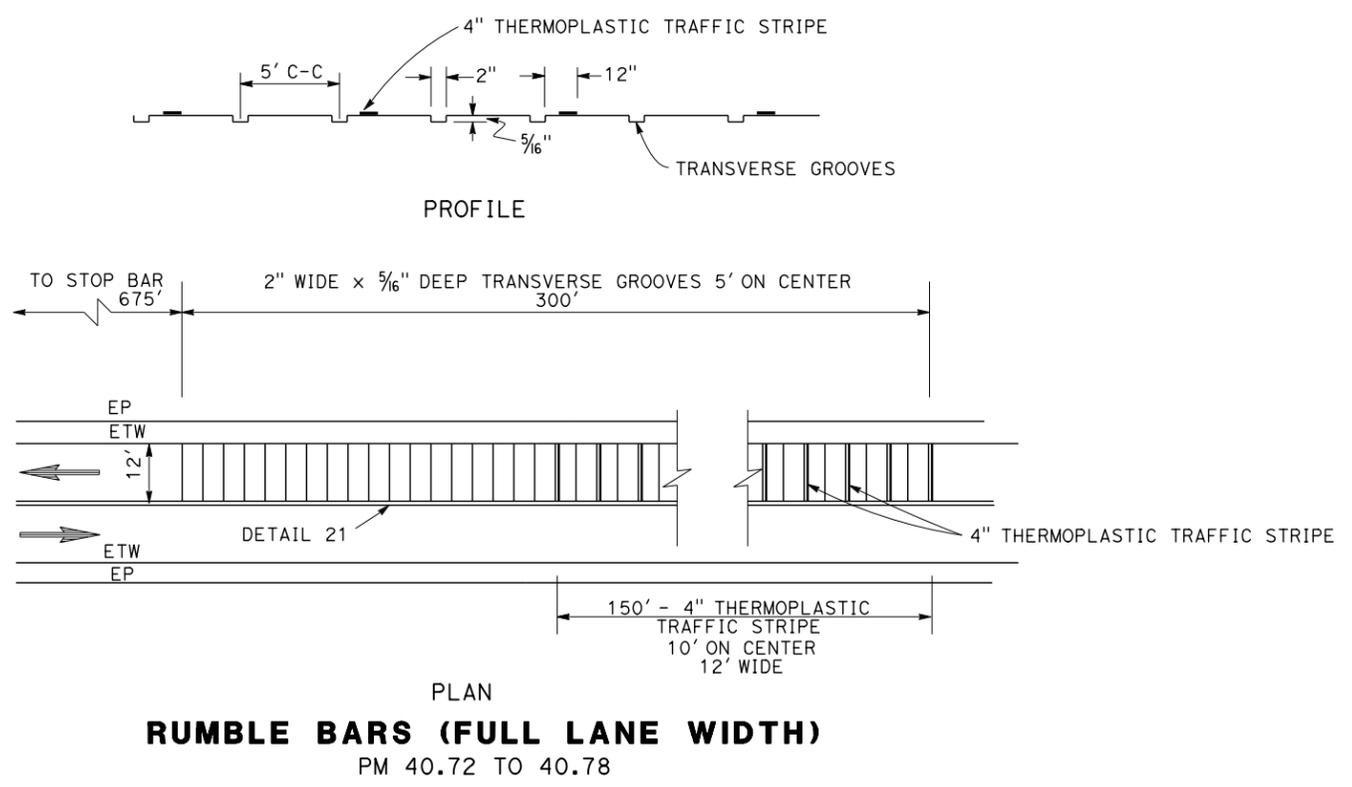
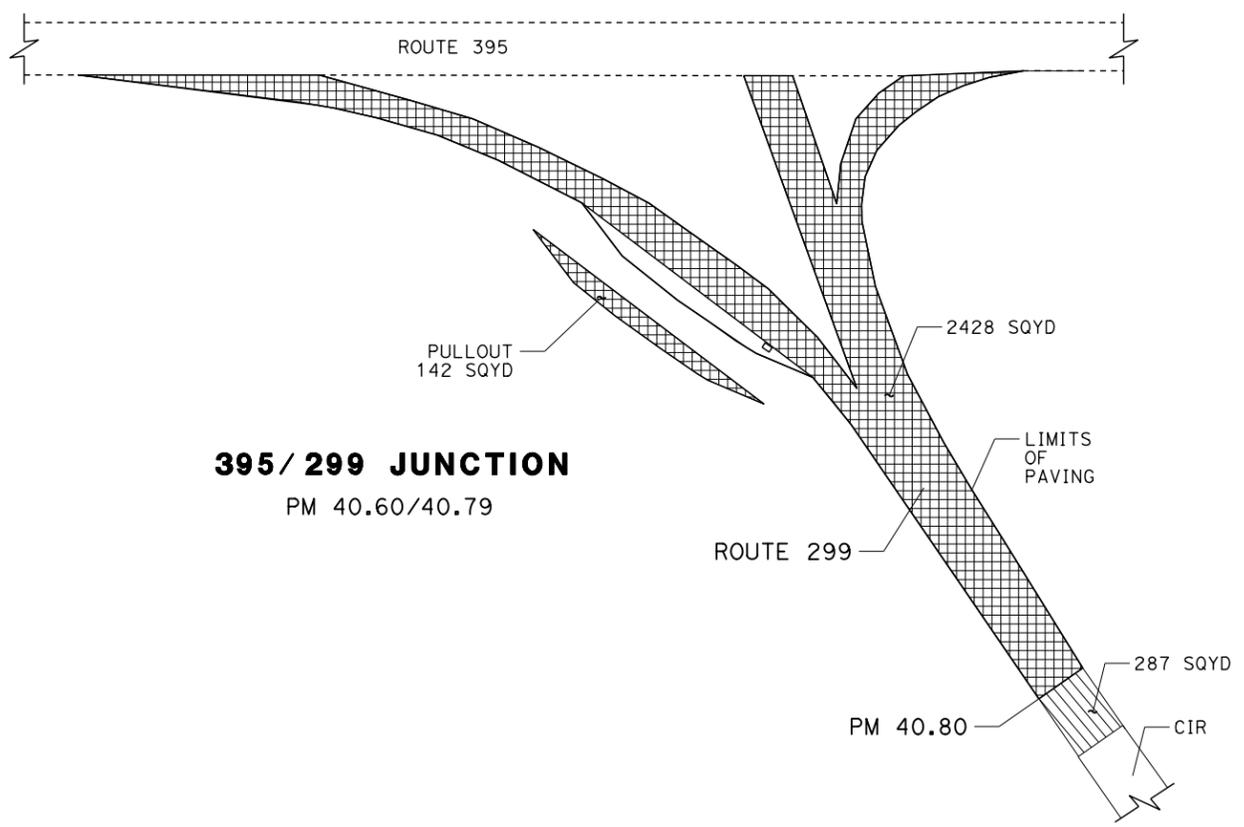
C-1

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
 FUNCTIONAL SUPERVISOR: DON ANDERSON
 DESIGNED BY: DENISE FUZERE
 CHECKED BY: KARLIE SMITH
 REVISIONS: REVISED BY: DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Mod	299	40.6/R46.7	4	13
<i>Denise Suzere</i> 12-27-12 REGISTERED CIVIL ENGINEER DATE			DENISE FUZERE No. C69865 Exp. 9-30-14 CIVIL		
PLANS APPROVAL DATE 12-27-12					
<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:
 1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE
 FUNCTIONAL SUPERVISOR DON ANDERSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 DENISE FUZERE
 KARLIE SMITH
 REVISED BY
 DATE REVISED



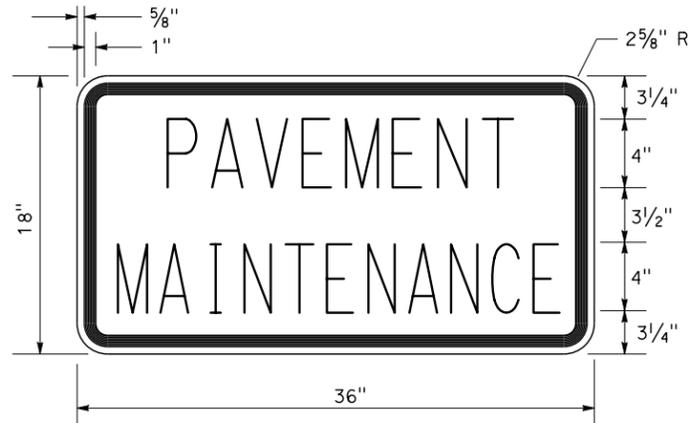
CONSTRUCTION DETAILS
 NO SCALE
C-2

LAST REVISION 12-19-12 DATE PLOTTED => 27-DEC-2012 TIME PLOTTED => 14:31

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Mod	299	40.6/R46.7	5	13
<i>Denise Suzere</i> 12-27-12 REGISTERED CIVIL ENGINEER DATE			PROFESSIONAL ENGINEER DENISE FUZERE No. C69865 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA		
12-27-12					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
3. INTERMEDIATE G20-1 SIGNS SHOULD BE PLACED EVERY 3 TO 5 MILES AS NECESSARY.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



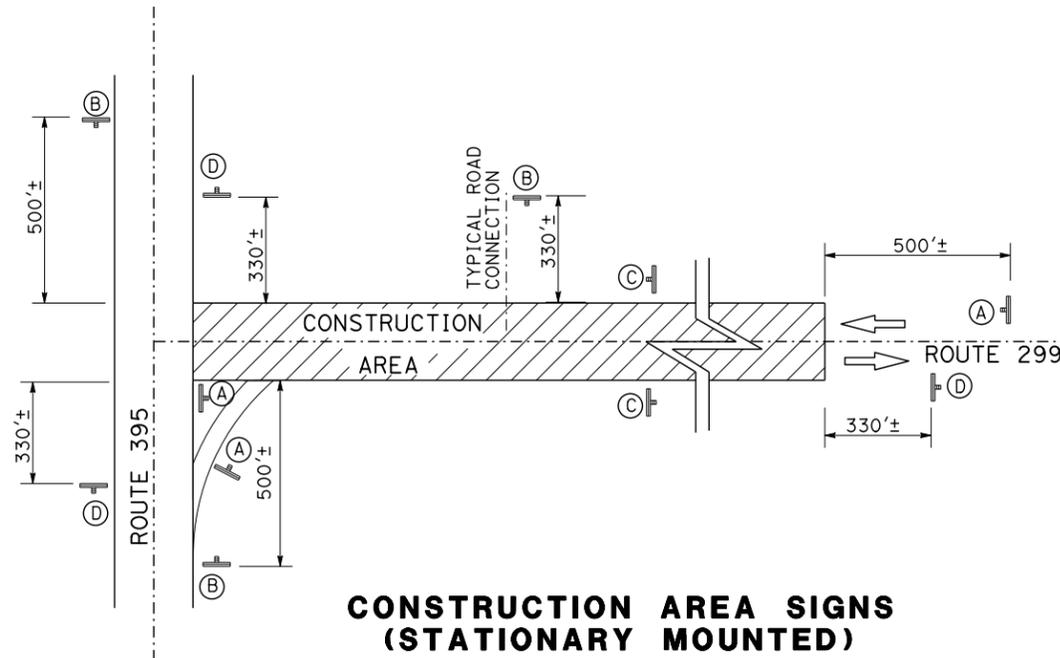
C23B(CA) SIGN PANEL DETAIL

ROAD CONNECTIONS

PM	DESCRIPTION
40.6	ROUTE 395 - R+/L+
46.3	COUNTY ROAD 58 - R+

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	NUMBER AND SIZE OF POST	No. OF SIGNS
(A)	G20-1 C23B(CA)	36" x 18" 36" x 18"	ROAD WORK NEXT XX MILES PAVEMENT MAINTENANCE	1-4" x 6"	3
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	3
(C)	G20-1	36" x 18"	ROAD WORK NEXT XX MILES	1-4" x 4"	2
(D)	G20-2	36" x 18"	END ROAD WORK	1-4" x 4"	3



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans MAINTENANCE
 FUNCTIONAL SUPERVISOR DON ANDERSON
 CALCULATED/DESIGNED BY
 CHECKED BY
 DENISE FUZERE
 KARLIE SMITH
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Mod	299	40.6/R46.7	6	13

Denise Fuze 12-27-12
 REGISTERED CIVIL ENGINEER DATE
 12-27-12
 PLANS APPROVAL DATE

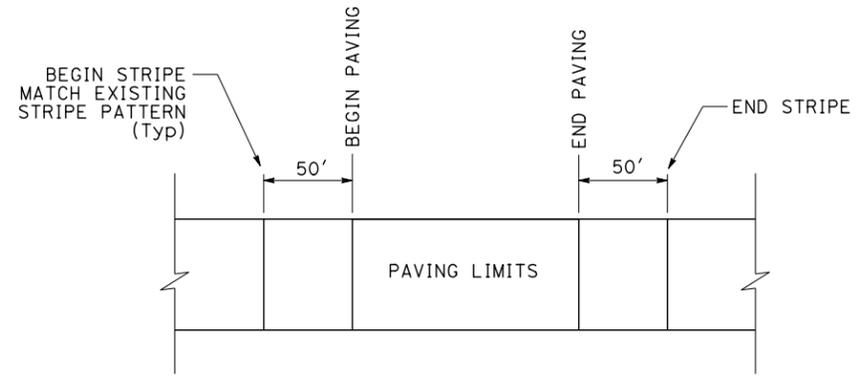
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- (N) NOT A SEPERATE PAY ITEM, FOR INFORMATION ONLY.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

ABBREVIATIONS:

Mid MIDDLE



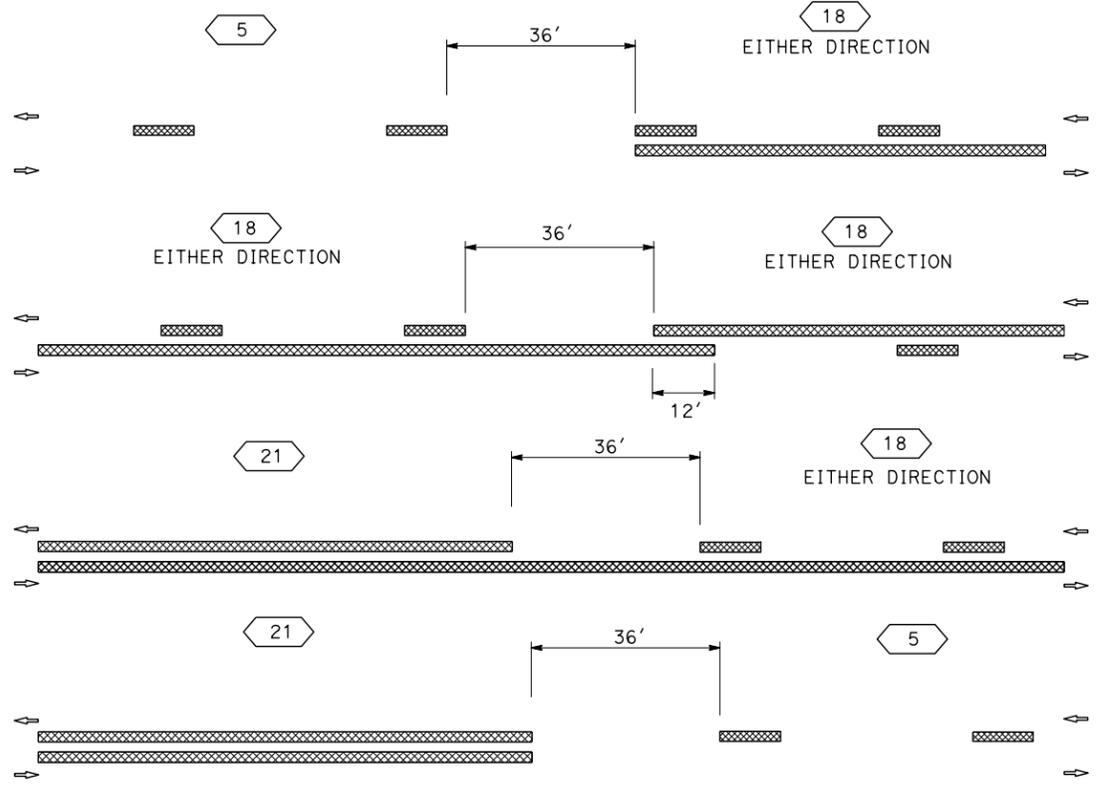
TRAFFIC STRIPE MATCH DETAIL

THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)

POSTMILE LIMITS	DETAIL 5	DETAIL 18	DETAIL 21	DETAIL 27B	DETAIL 27C
40.6/R46.7	LF 23,021	LF 2746	LF 6072	LF 63,360	LF 317
TOTAL	95,516				

THERMOPLASTIC PAVEMENT MARKING

PM	L+	Mid	R+	(N) EA	SQFT	REMARKS
40.60		X		1	15	ROAD CONNECTION LIMIT LINE
40.63	X			1	24	YIELD
40.64		X		1	25	TYPE I 18'-0" ARROW
40.64			X	1	25	TYPE I 18'-0" ARROW
40.64		X		1	25	TYPE I 18'-0" ARROW
40.64	X			1	22	STOP
40.65	X			1	31	AHEAD
40.74	X			13	22	STOP
TOTAL					189	



TYPICAL STRIPE TRANSITION DETAILS

PAVEMENT DELINEATION DETAILS AND QUANTITIES

NO SCALE

PDD-1

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
 DENISE FUZERE
 KARLIE SMITH
 CALCULATED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 DON ANDERSON

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
 PLANNING SUPERVISOR DON ANDERSON
 CALCULATED, DESIGNED BY GURINDERPAL BHULLAR
 CHECKED BY DENISE FUZERE
 REVISED BY DATE REVISED?

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
02	Mod	299	40.6/R46.7	9 13

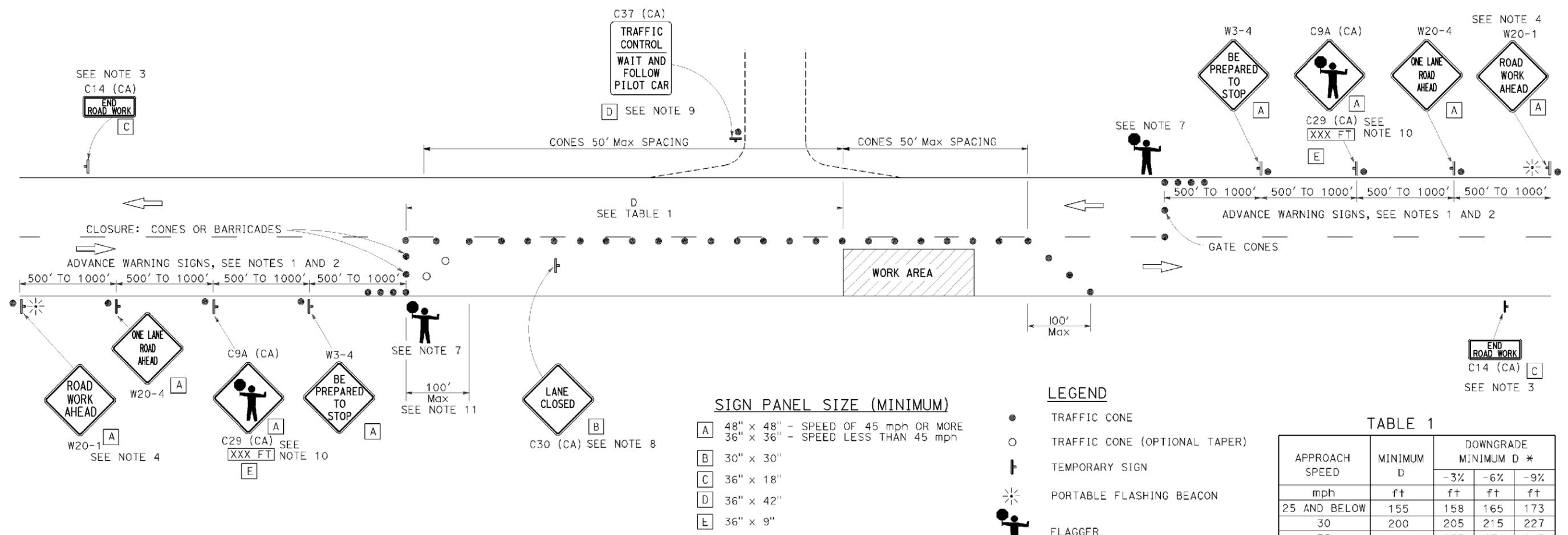
REGISTERED CIVIL ENGINEER DATE 12-7-12
 12-27-12
 PLANS APPROVAL DATE

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

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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%
mph	ft	ft	ft	ft
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.

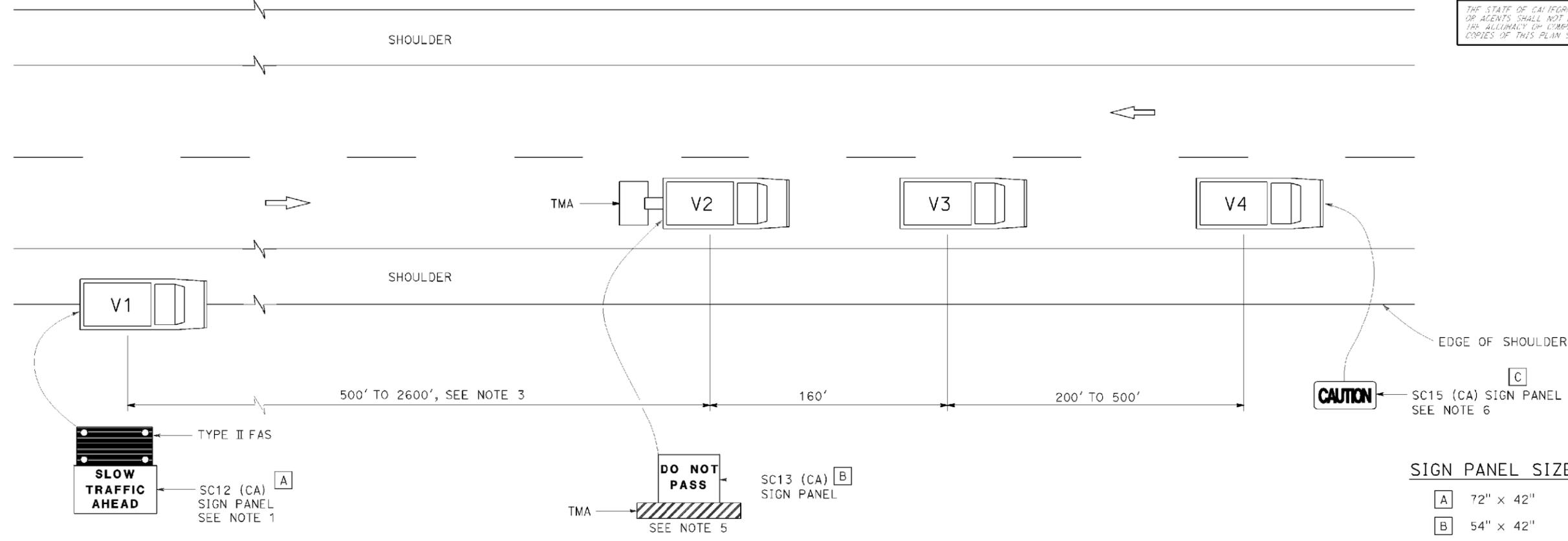
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 TWO LANE CONVENTIONAL
 HIGHWAYS**

NO SCALE

TCS-1

DATE PLOTTED => 27-DEC-2012 TIME PLOTTED => 14:31

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
02	Mod	299	40.6/R46.7	10 13
 REGISTERED CIVIL ENGINEER		DATE		
PLANS APPROVAL DATE		12-27-12		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY AND ALL COPIES OF THIS PLAN SHEET.</small>				



SIGN PANEL SIZE (Min)

- A 72" x 42"
- B 54" x 42"
- C 54" x 24"

LEGEND

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- V4 SIGN VEHICLE
- TMA TRUCK-MOUNTED ATTENUATOR
-  FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE

NOTES:

- Either a changeable message sign or a SC12 (CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign may be used with the SC12 (CA) sign panel.
- Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
- If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
- Vehicle-mounted sign panels shall be Type III, IV, VII, VIII or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
- Gross Vehicle Weight of shadow vehicle shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
- The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.
- All vehicles shall be equipped with flashing or rotating amber lights.
- Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
- All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
- When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
FOR MOVING LANE CLOSURE
ON TWO LANE HIGHWAYS**

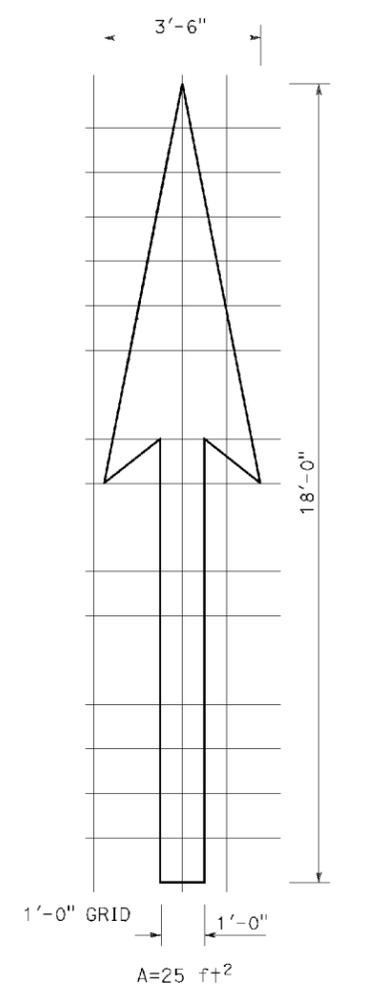
NO SCALE

TCS-2

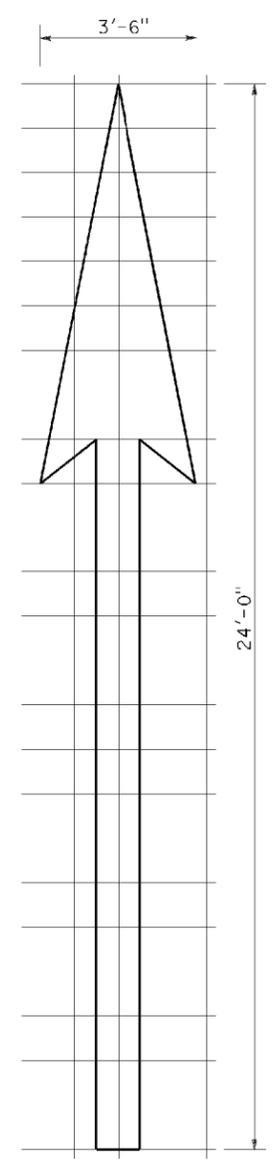
P:\proj\1102\4140\plans\pse\24f140j1002.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 DON ANDERSON
 FLINE: CHAL SUPERVISOR
 CHECKED BY
 CALCULATED, DESIGNED BY
 DENISE FUZERE
 GURINDERPAL BHULLAR
 REVISED BY
 DATE REVISED

COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS
02 Mod	299	40.6/R46.7	11 13
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.			
No. C40375 Exp. 3-31-13 CIVIL STATE OF CALIFORNIA			

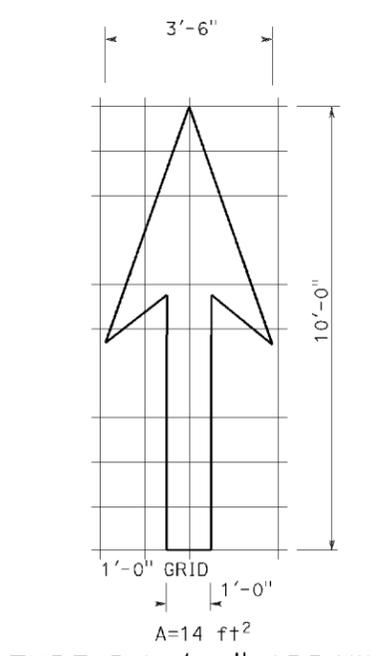
TO ACCOMPANY PLANS DATED 12-27-12



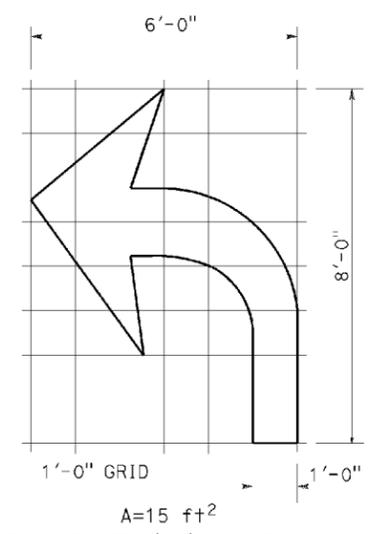
TYPE I 18'-0" ARROW



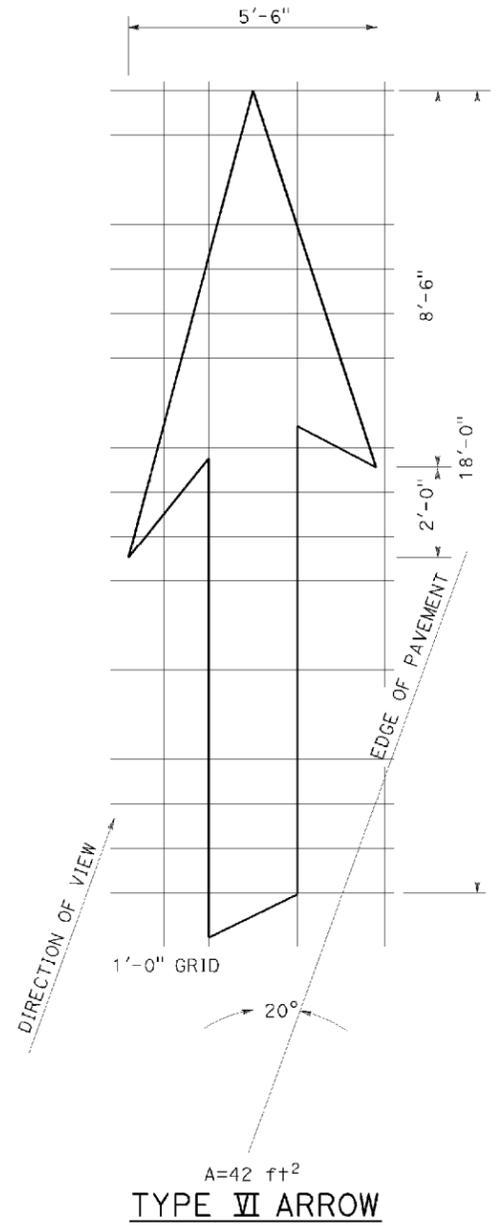
TYPE I 24'-0" ARROW



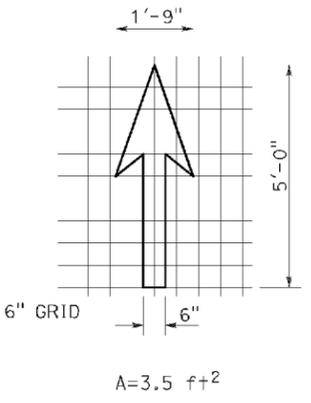
TYPE I 10'-0" ARROW



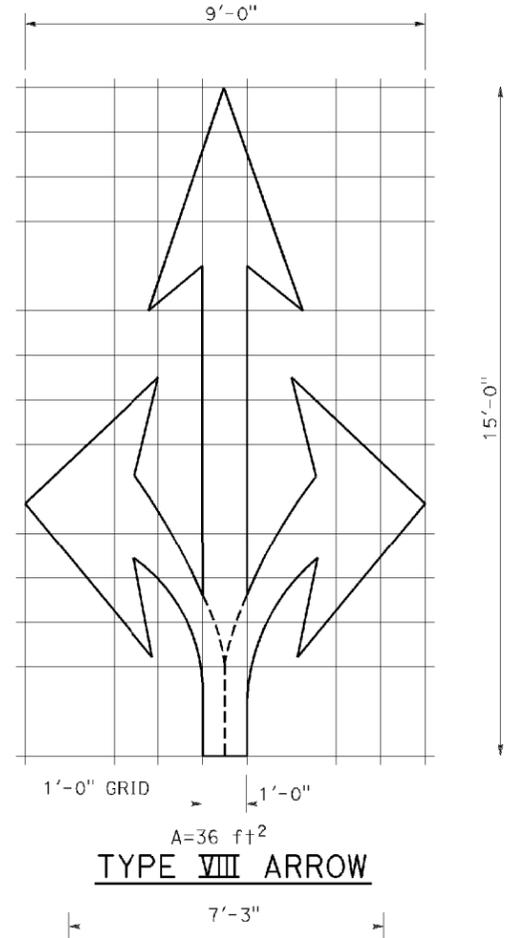
TYPE IV (L) ARROW
(For Type IV (R) arrow, use mirror image)



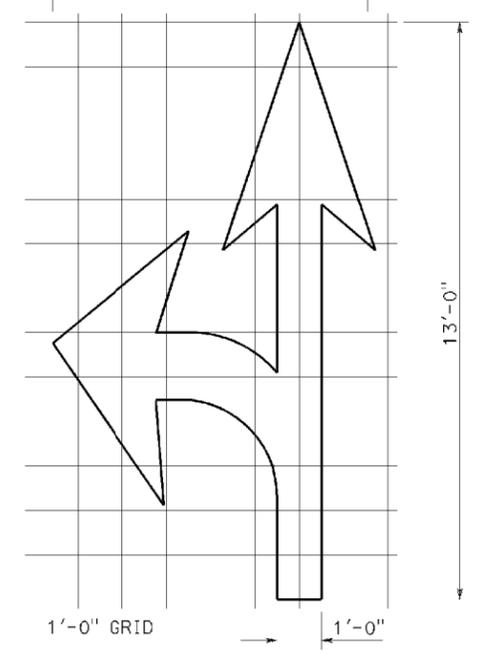
TYPE VI ARROW
Right lane drop arrow
(For left lane, use mirror image)



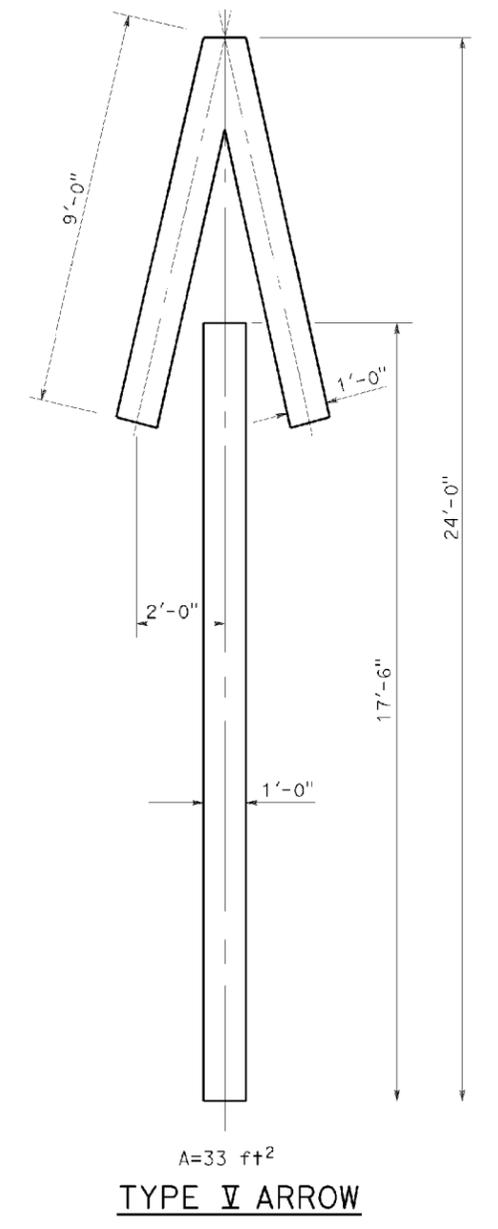
BIKE LANE ARROW



TYPE VIII ARROW



TYPE VII (L) ARROW
(For Type VII (R) arrow, use mirror image)



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

P:\proj\1\02\4f140\plans\pse\24f140vc001.dgn

USERNAME => s115152
DGN FILE => 24f140vc001.dgn

2010 REVISED STANDARD PLAN RSP A24A

DATE PLOTTED => 27-DEC-2012
TIME PLOTTED => 14:32

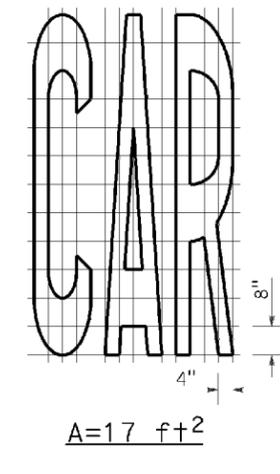
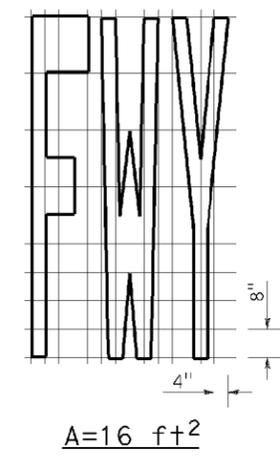
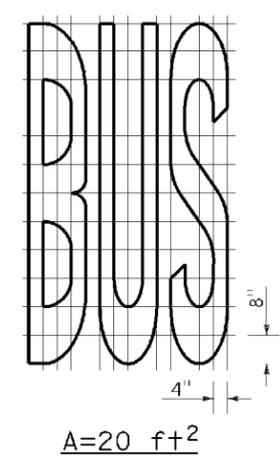
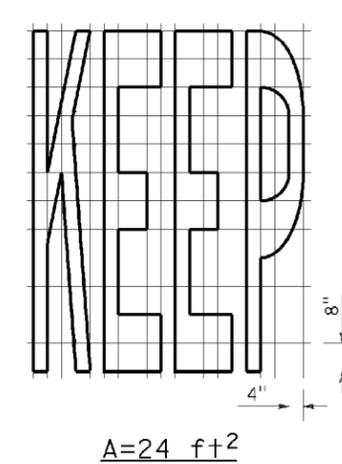
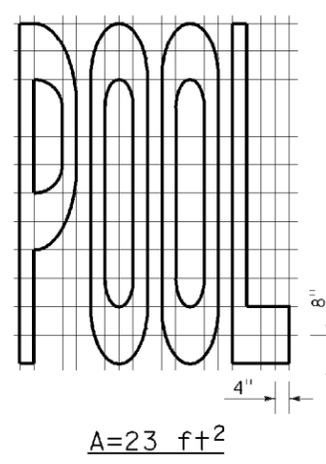
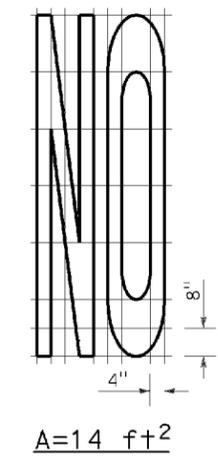
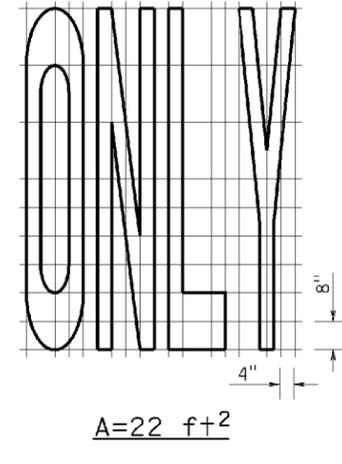
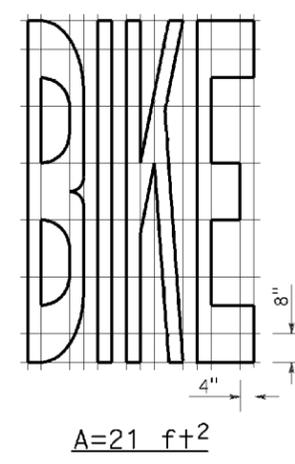
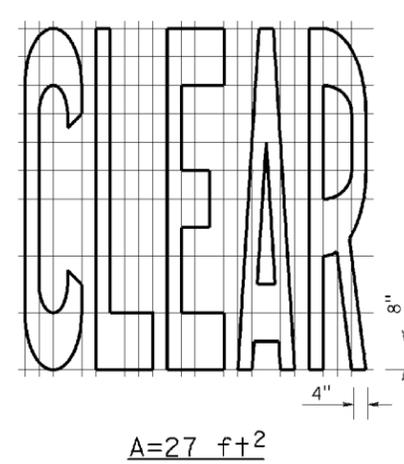
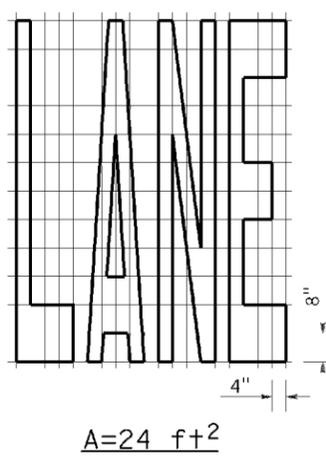
COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS
02 Mod	299	40.6/R46.7	12 13

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

July 20, 2012
 PLANS APPROVAL DATE

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

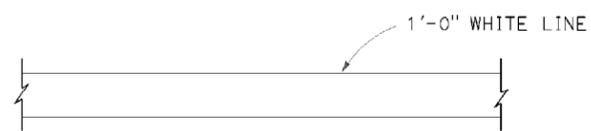
TO ACCOMPANY PLANS DATED 12-27-12



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

NOTES:

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



LIMIT LINE (STOP LINE)



DIRECTION OF TRAVEL

YIELD LINE

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.

REVISED STANDARD PLAN RSP A24E

P:\proj\1\02\4f140\plans\pse\24f140vc002.dgn

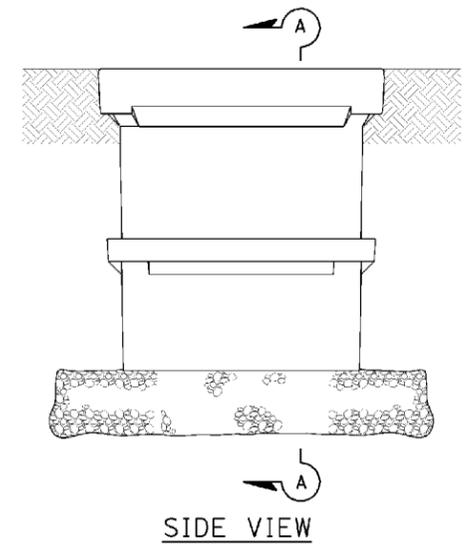
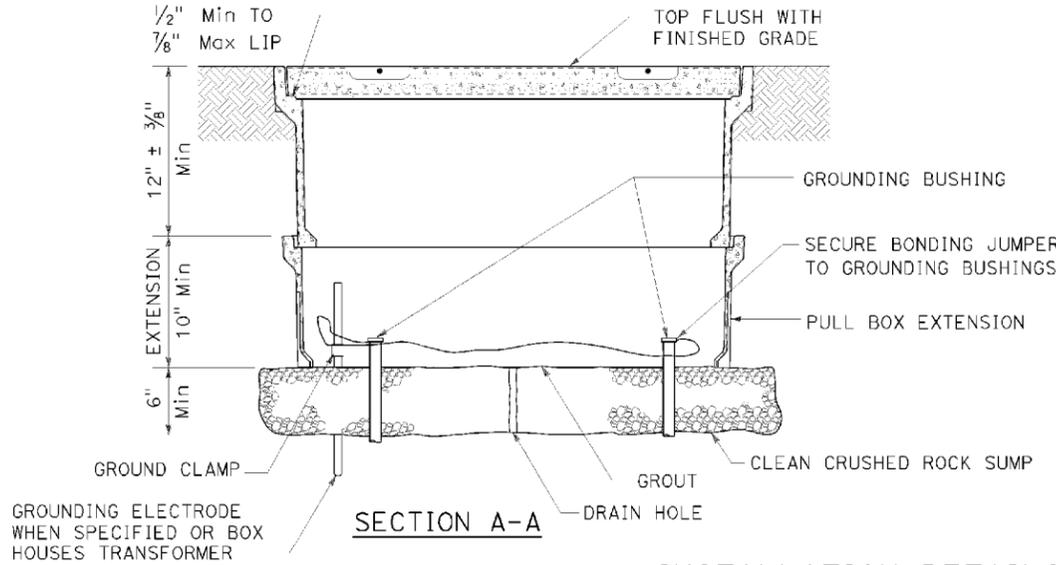
2010 REVISED STANDARD PLAN RSP A24E

02	Mod	299	40.6/R46.7	13	13
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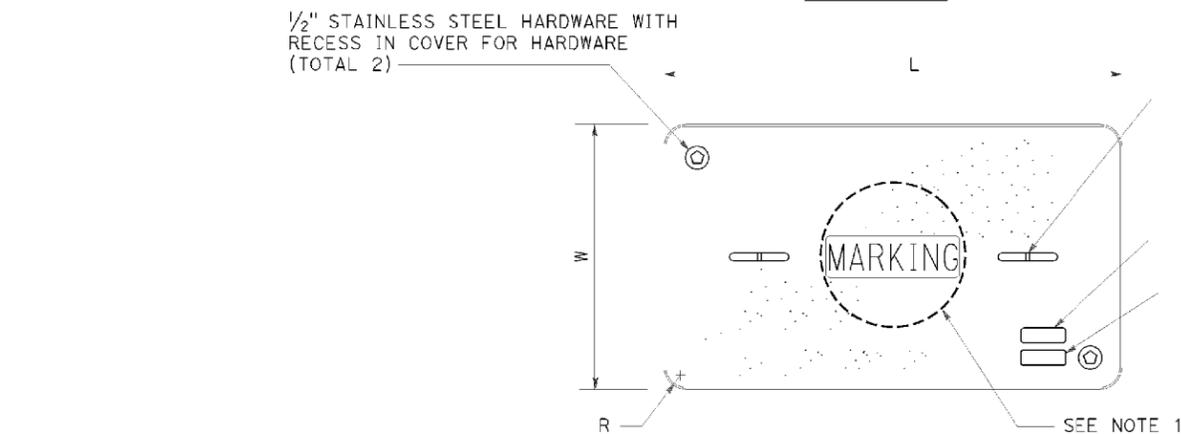
REGISTERED ELECTRICAL ENGINEER
Jeffery G. McRae
 No. E14512
 Exp. 6-30-12
 ELEC. ENGINEER PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

January 20, 2012
 PLANS APPROVAL DATE

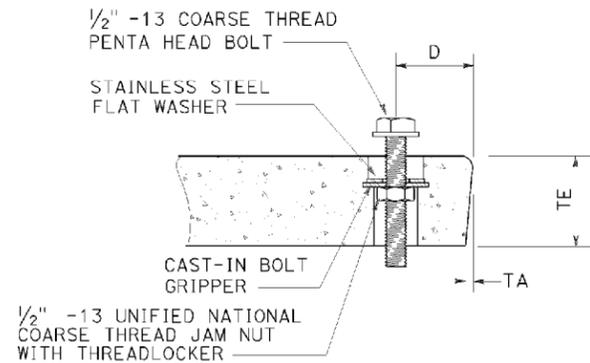
THE STATE OF CALIFORNIA ON ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



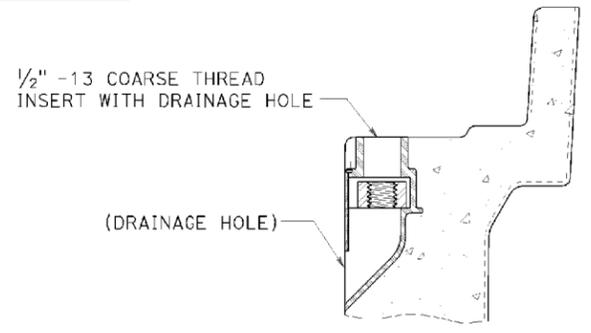
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3 1/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

DIMENSION TABLE

NOTES ON PULL BOXES:

- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3 1/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus 1/8" or greater.
- Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within 1/8". Top outside radius of covers and pull boxes must have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

TO ACCOMPANY PLANS DATED 12-27-12

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

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

REVISED STANDARD PLAN RSP ES-8A

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2010 REVISED STANDARD PLAN RSP ES-8A

DATE PLOTTED => 27-DEC-2012 TIME PLOTTED => 14:32