

INDEX OF PLANS

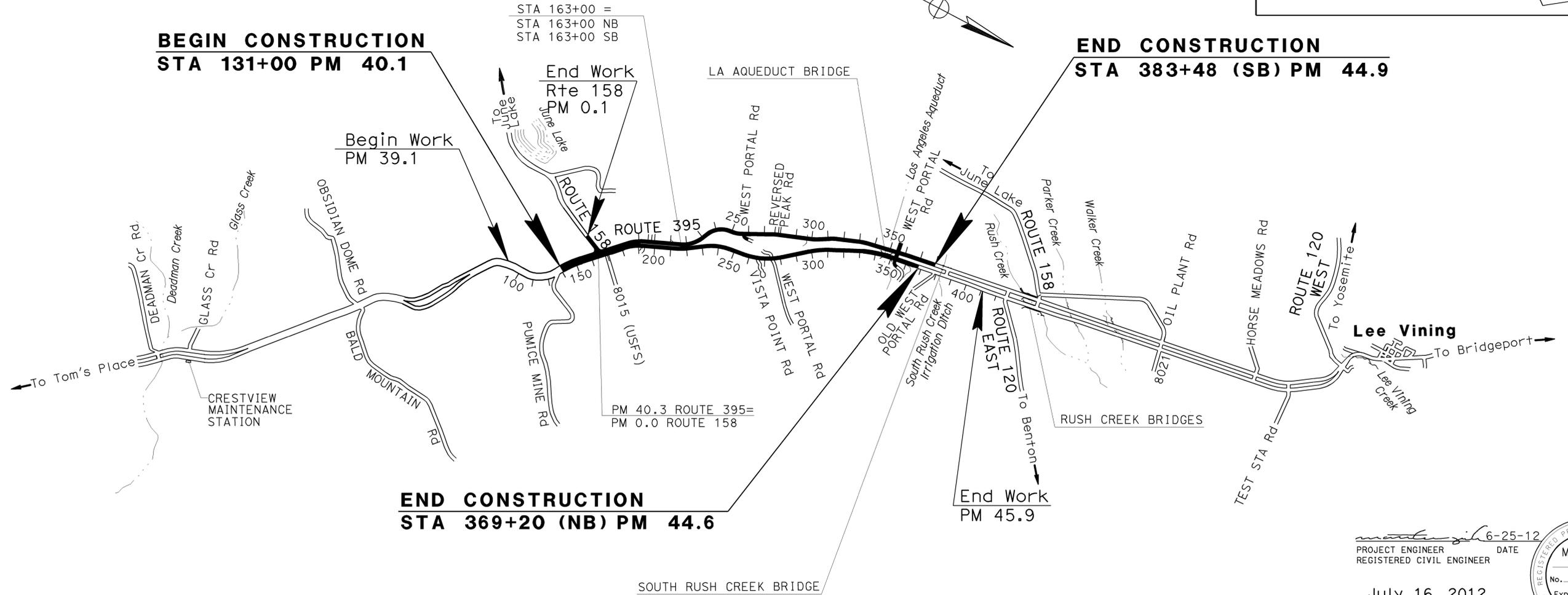
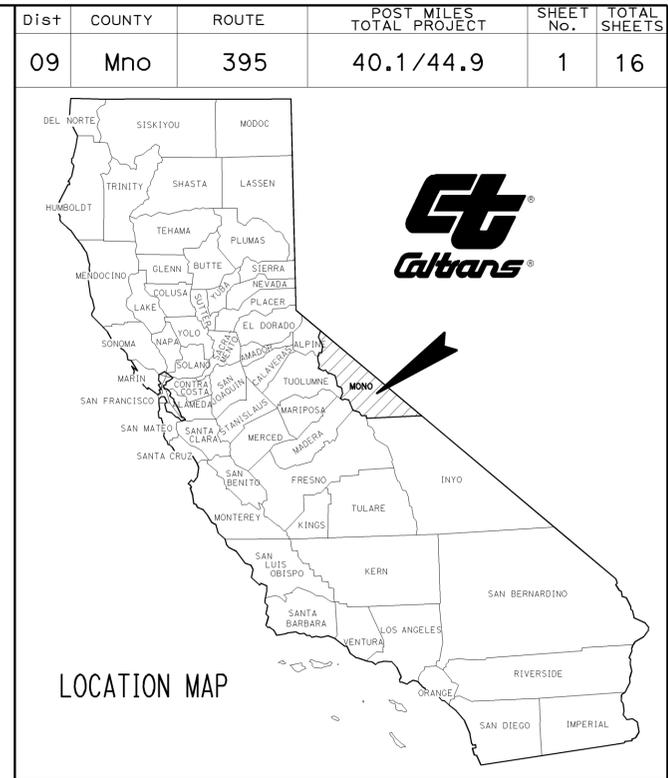
SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4	CONSTRUCTION DETAILS
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7	CONSTRUCTION AREA SIGNS
8	PAVEMENT DELINEATION QUANTITIES
9	SUMMARY OF QUANTITIES
10-16	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA ACNH-P395(239)E  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**

**IN MONO COUNTY ABOUT 6 MILES SOUTH OF LEE VINING**  
**FROM 0.2 MILE SOUTH OF SOUTH JUNCTION ROUTE 158**  
**TO OLD WEST PORTAL ROAD**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



**END CONSTRUCTION**  
**STA 369+20 (NB) PM 44.6**

**End Work**  
**PM 45.9**

PROJECT ENGINEER DATE  
 REGISTERED CIVIL ENGINEER



July 16, 2012  
 PLANS APPROVAL DATE

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

CONTRACT No.	<b>09-354504</b>
PROJECT ID	<b>0912000050</b>

NO SCALE



USERNAME => S123915  
 DGN FILE => 935450ab001.dgn

UNIT 2480 PROJECT NUMBER & PHASE 09120000501

PROJECT MANAGER	JOHN FOX
DESIGN ENGINEER	JOHN FOX

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

DATE PLOTTED => 19-SEP-2012 TIME PLOTTED => 09:31

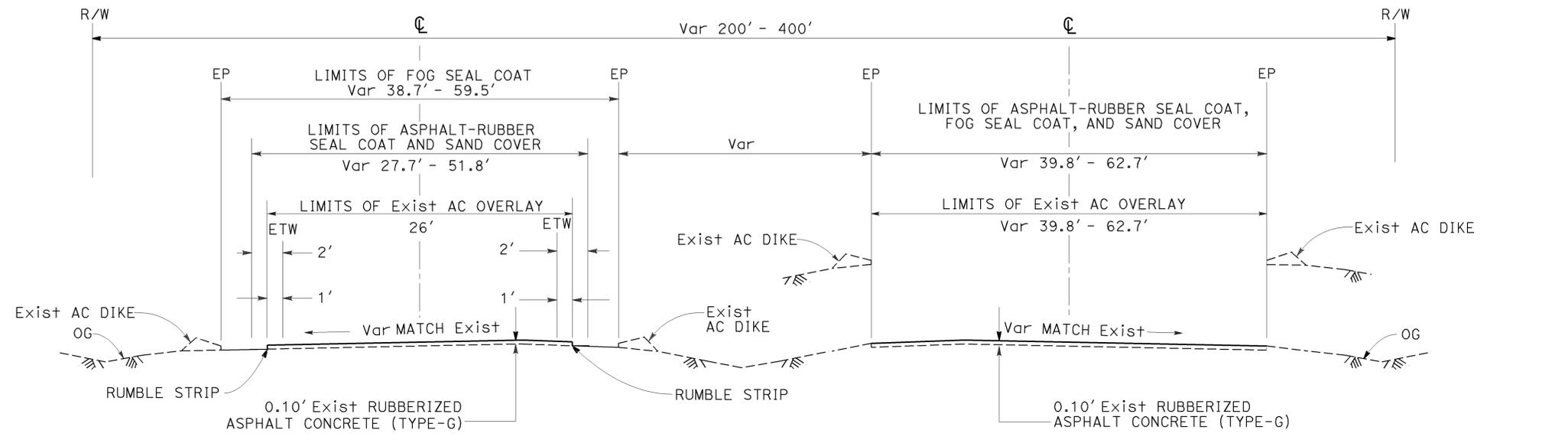
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	2	16
			6-25-12	REGISTERED CIVIL ENGINEER DATE	
			7-16-12	PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
					

**NOTES:**

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS
- SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- STATIONING SHOWN IS FOR CONSTRUCTION PURPOSES ONLY.

**ABBREVIATION:**

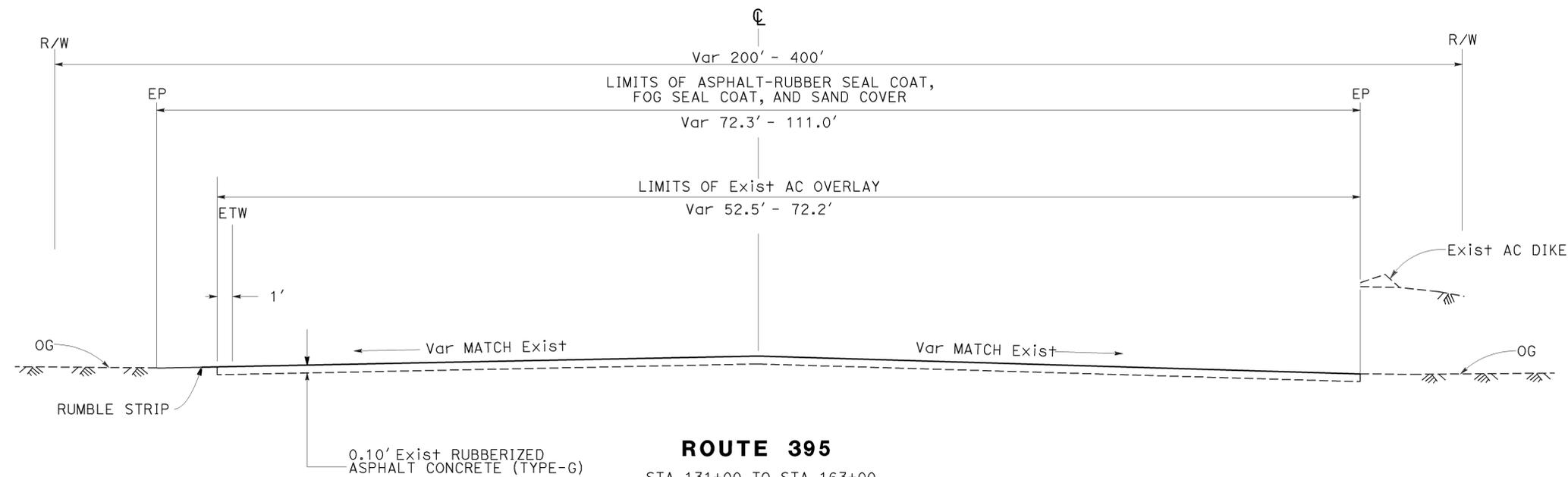
TYPE-G - GAP GRADED



**ROUTE 395**

STA 163+00 TO STA 383+48 (SB)

STA 163+00 TO STA 369+20 (NB)



**ROUTE 395**

STA 131+00 TO STA 163+00

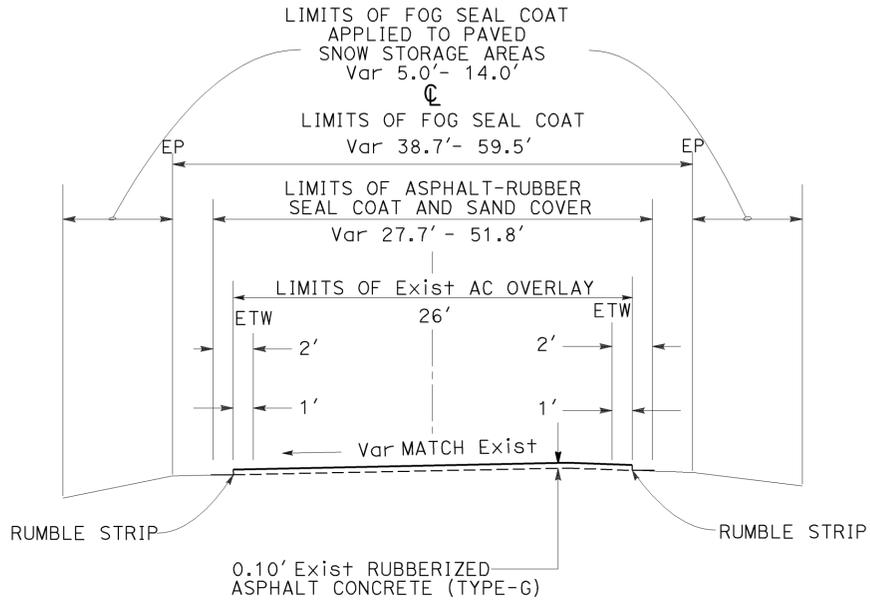
**TYPICAL CROSS SECTIONS  
NO SCALE  
X-1**

CALCULATED/DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	DEPARTMENT OF TRANSPORTATION
MALISSA REYNOLDS	MATTHEW GOIKE	JOHN FOX	MAINTENANCE ENGINEERING
REVISOR	DATE		
MJR	06-21-12		



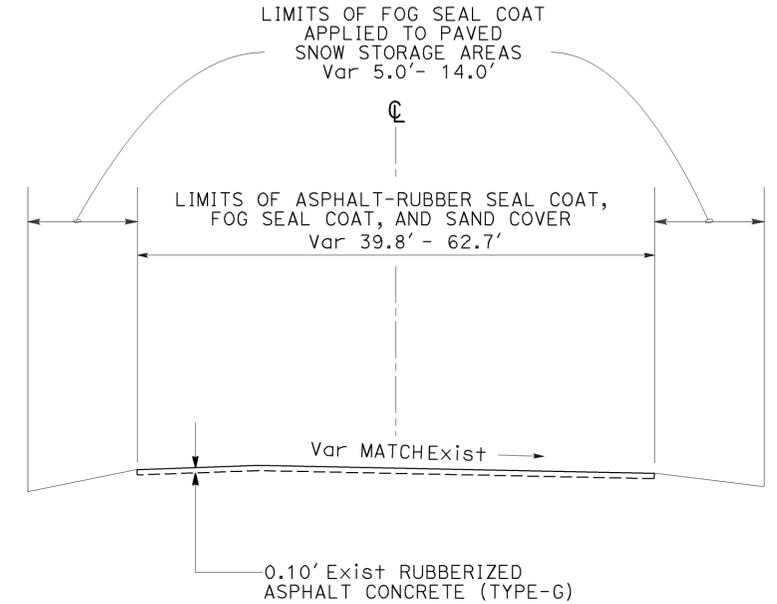
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	3	16
			6-25-12	DATE	
REGISTERED CIVIL ENGINEER					
7-16-12			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

CALCULATED/DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	DEPARTMENT OF TRANSPORTATION
MALISSA REYNOLDS	MATTHEW GOIKE	JOHN FOX	MAINTENANCE ENGINEERING
REVISOR	DATE		
MJR	06-21-12		



**ROUTE 395**

- STA 352+80 TO STA 341+80 (SB L+)
- STA 329+40 TO STA 299+95 (SB R+)
- STA 298+40 TO STA 294+60 (SB L+)
- STA 270+20 TO STA 266+10 (SB L+)
- STA 245+50 TO STA 230+67 (SB L+)
- STA 225+23 TO STA 218+75 (SB L+)
- STA 215+50 TO STA 199+25 (SB R+)



**ROUTE 395**

- STA 155+70 TO STA 160+80 (NB R+)
- STA 162+10 TO STA 169+65 (NB R+)
- STA 179+80 TO STA 187+90 (NB R+)
- STA 191+90 TO STA 222+50 (NB R+)
- STA 231+80 TO STA 255+10 (NB L+)
- STA 232+80 TO STA 257+90 (NB R+)
- STA 271+90 TO STA 280+23 (NB L+)
- STA 291+60 TO STA 301+75 (NB R+)
- STA 315+00 TO STA 332+45 (NB L+)
- STA 315+00 TO STA 333+25 (NB R+)

**TYPICAL CROSS SECTIONS**  
NO SCALE  
**X-2**

LAST REVISION    DATE PLOTTED => 24-JUL-2012    TIME PLOTTED => 14:35

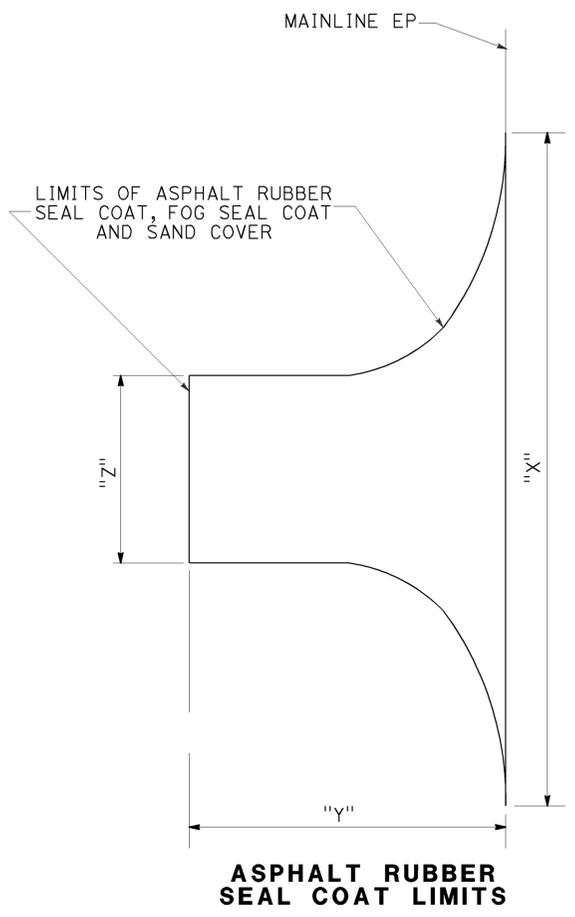
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	4	16

REGISTERED CIVIL ENGINEER DATE 6-25-12  
 PLANS APPROVAL DATE 7-16-12

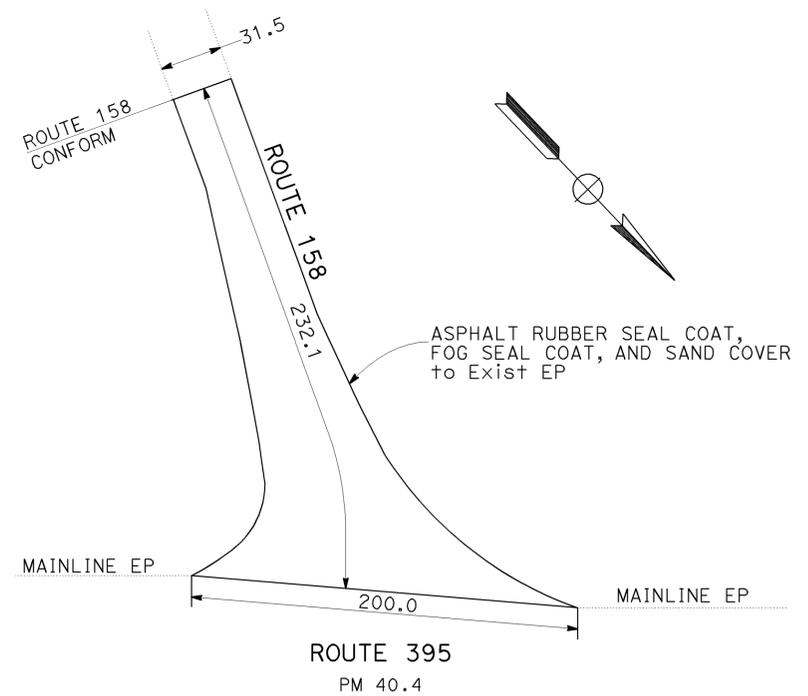
REGISTERED PROFESSIONAL ENGINEER  
 MATTHEW GOIKE  
 No. 63638  
 Exp. 09-30-12  
 CIVIL  
 STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CALCULATED/DESIGNED BY CHECKED BY  
 MALISSA REYNOLDS MATTHEW GOIKE  
 REVISED BY DATE REVISED  
 M



Rd CONNECTIONS ASPHALT RUBBER SEAL COAT LIMITS							
LEFT	RIGHT	POST MILE	"X"	"Y"	"Z"	DESCRIPTION	NOTES
X		40.4	200.0	232.1	31.5	SOUTH Jct 158/395	NB/SB
	X	42.5	105.0	93.5	29.5	VISTA POINT Rd	NB
X		42.7	52.5	24.6	28.5	WEST PORTAL Rd (SOUTH) MEDIAN CROSSOVER	NB
	X	42.7	93.5	129.6	24.6	WEST PORTAL Rd (SOUTH)	NB
X		44.4	116.5	73.2	109.9	WEST PORTAL Rd (NORTH) MEDIAN CROSSOVER	NB/SB
	X	44.4	85.3	129.5	24.3	WEST PORTAL Rd (NORTH)	NB
X		44.4	93.5	83.7	26.2	WEST PORTAL Rd (NORTH)	SB



**SOUTH JUNCTION 158 / 395**

**CONSTRUCTION DETAILS**  
NO SCALE  
**C-1**

LAST REVISION DATE PLOTTED => 24-JUL-2012  
 06-25-12 TIME PLOTTED => 14:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	5	16

REGISTERED CIVIL ENGINEER DATE 6-25-12  
 REGISTERED CIVIL ENGINEER DATE 7-16-12  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 MATTHEW GOIKE  
 No. 63638  
 Exp. 09-30-12  
 CIVIL  
 STATE OF CALIFORNIA

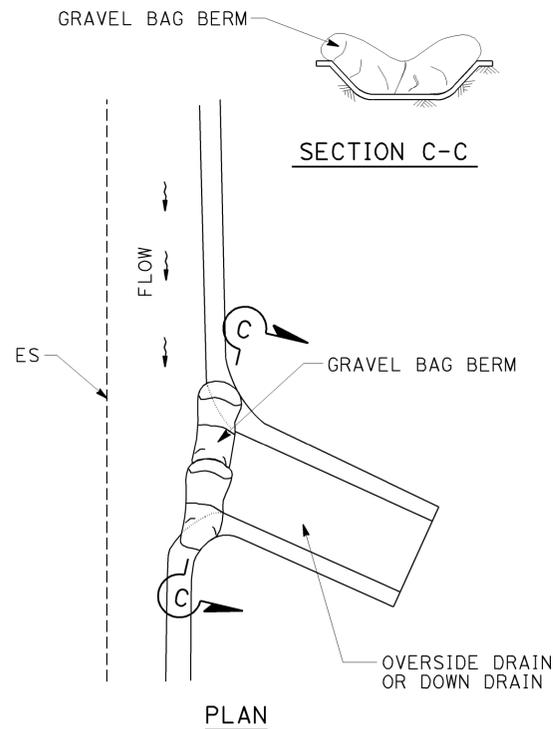
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**NOTES:**

- EXACT LOCATION AND POSITION OF TEMPORARY FIBER ROLL TO BE DETERMINED BY THE ENGINEER.
- PROTECT SLOT DRAIN BY COVERING WITH TAPE. SLOT DRAIN PROTECTION IS NOT A SEPARATE PAY ITEM.

TEMPORARY GRAVEL BAG BERM					
STATION	LF	DIRECTION	L+	R+	DESCRIPTION
153+50	6	NB		X	OVERSIDE DRAIN
155+00	6	NB		X	OVERSIDE DRAIN
174+50	6	NB		X	OVERSIDE DRAIN
240+36	6	NB		X	OVERSIDE DRAIN
285+70	6	NB	X		OVERSIDE DRAIN
337+50	6	NB		X	OVERSIDE DRAIN
341+50	6	NB		X	OVERSIDE DRAIN
345+60	6	NB		X	OVERSIDE DRAIN
352+45	6	NB		X	OVERSIDE DRAIN
356+90	6	NB		X	OVERSIDE DRAIN
360+75	6	NB		X	OVERSIDE DRAIN
298+40	6	SB	X		OVERSIDE DRAIN
293+10	6	SB		X	OVERSIDE DRAIN
287+00	6	SB		X	OVERSIDE DRAIN
270+20	6	SB	X		OVERSIDE DRAIN
259+50	6	SB		X	OVERSIDE DRAIN
245+50	6	SB	X		OVERSIDE DRAIN
225+23	6	SB	X		OVERSIDE DRAIN
218+25	6	SB	X		OVERSIDE DRAIN
215+50	6	SB		X	OVERSIDE DRAIN
177+95	6	SB	X		OVERSIDE DRAIN
TOTAL	126				

TEMPORARY DRAINAGE INLET PROTECTION					
STATION	DIRECTION	L+	R+	EA	DESCRIPTION
138+30	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
146+90	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
169+65	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
179+80	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
187+90	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
201+85	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
206+75	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
207+75	NB	X		1	DRAINAGE INLET GRATE (24" X 42")
222+50	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
230+50	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
257+90	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
267+45	NB	X		1	DRAINAGE INLET GRATE (24" X 42")
280+23	NB	X		1	DRAINAGE INLET GRATE (24" X 42")
291+10	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
301+75	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
310+10	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
332+45	NB	X		1	DRAINAGE INLET GRATE (24" X 42")
333+25	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
350+86	NB		X	1	DRAINAGE INLET GRATE (24" X 42")
352+80	SB	X		1	DRAINAGE INLET GRATE (24" X 42")
329+40	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
321+90	SB	X		1	DRAINAGE INLET GRATE (24" X 42")
318+10	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
310+40	SB	X		1	DRAINAGE INLET GRATE (24" X 42")
308+92	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
299+72	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
215+50	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
189+85	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
158+66	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
Jct 158	SB		X	1	DRAINAGE INLET GRATE (24" X 42")
TOTAL				30	



**TEMPORARY GRAVEL BAG BERM  
OVERSIDE DRAIN AND DOWN DRAIN**

**TEMPORARY WATER POLLUTION CONTROL DETAILS  
WPCD-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	6	16

*Matthew Goike* 6-25-12  
 REGISTERED CIVIL ENGINEER DATE

7-16-12  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS  
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 COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CALCULATED/DESIGNED BY CHECKED BY  
 MALISSA REYNOLDS MATTHEW GOIKE  
 REVISED BY DATE REVISED  
 MJR 06/21/12

TEMPORARY FIBER ROLL					
STATION	DIRECTION	L+	R+	LF	DESCRIPTION
138+30	NB		X	24	SLOTTED DRAIN
146+90	NB		X	24	SLOTTED DRAIN
169+59	NB		X	14	SLOTTED DRAIN
179+80	NB		X	14	SLOTTED DRAIN
187+70	NB		X	20	SLOTTED DRAIN
201+57	NB		X	29	SLOTTED DRAIN
206+55	NB		X	20	SLOTTED DRAIN
207+75	NB	X		12	SLOTTED DRAIN
222+20	NB		X	28	SLOTTED DRAIN
230+50	NB		X	14	SLOTTED DRAIN
257+74	NB		X	16	SLOTTED DRAIN
266+98	NB	X		49	SLOTTED DRAIN
280+01	NB	X		21	SLOTTED DRAIN
291+00	NB		X	10	SLOTTED DRAIN
301+57	NB		X	18	SLOTTED DRAIN
309+87	NB		X	23	SLOTTED DRAIN
332+16	NB	X		29	SLOTTED DRAIN
332+95	NB		X	30	SLOTTED DRAIN
350+65	NB		X	21	SLOTTED DRAIN
189+63	SB		X	22	SLOTTED DRAIN
215+01	SB		X	49	SLOTTED DRAIN
299+46	SB		X	26	SLOTTED DRAIN
308+55	SB		X	37	SLOTTED DRAIN
310+07	SB		X	33	SLOTTED DRAIN
317+76	SB		X	34	SLOTTED DRAIN
321+70	SB	X		20	SLOTTED DRAIN
329+10	SB		X	30	SLOTTED DRAIN
352+80	SB	X		12	SLOTTED DRAIN
TOTAL				679	

## TEMPORARY WATER POLLUTION CONTROL DETAILS WPCD-2

LAST REVISION DATE PLOTTED => 24-JUL-2012 14:36  
 06-21-12 TIME PLOTTED => 14:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	7	16

6-25-12  
REGISTERED CIVIL ENGINEER DATE

7-16-12  
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
MATTHEW GOIKE  
No. 63638  
Exp. 09-30-12  
CIVIL  
STATE OF CALIFORNIA

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**NOTES:**

1. FOR SIGN INSTALLATION DETAILS AND DIMENSIONS NOT SHOWN SEE STANDARD PLANS.
2. SEE TABLE FOR PLACEMENT TYPE, EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
3. THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.
4. SIGNS IN CONFLICT WITH EXISTING PROJECTS MUST BE COVERED UPON INSTALLATION.

**PORTABLE CHANGEABLE MESSAGE SIGNS**

LANE CLOSED AHEAD	REDUCE SPEED	LOOSE GRAVEL
-------------------	--------------	--------------

1. PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS TO BE CONFIRMED BY THE ENGINEER BEFORE THE ACTUAL CLOSURE.
2. ALTERNATE MESSAGES MUST BE APPROVED BY THE ENGINEER.
3. MESSAGE MAY BE ALTERED BY THE ENGINEER.
4. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DISPLAYED DURING SWEEPING OPERATIONS AND WHEN CONSTRUCTION OPERATIONS ARE ACTIVELY IN PROGRESS.

**STATIONARY MOUNTED CONSTRUCTION AREA SIGNS**

STATION	PM	PLACEMENT	REMARKS
76+53	39.09	A	BEGIN AND END CONSTRUCTION
142+00	40.34	C	ROUTE 158 (SOUTH Jct)
147+56	40.42	C	ROAD APPROACH R+
174+70	41.01	F	ROAD APPROACH R+ NB LANES
177+55	41.01	F	ROAD APPROACH L+ SB LANES
248+80	42.32	F	MEDIAN X-OVER R+ SB LANES
258+60	42.51	F	VISTA POINT ROAD R+ NB LANES
268+45	42.67	E	WEST PORTAL ROAD (SOUTH)
271+00	42.75	F	ROAD APPROACH R+ SB LANES
359+22	44.39	E	WEST PORTAL ROAD (NORTH)/MEDIAN
359+22	44.39	E	MEDIAN X-OVER L+ NB LANES/MEDIAN
422+00	45.60	G	END CONSTRUCTION NB LANES
436+28	45.87	D	BEGIN CONSTRUCTION SB LANES

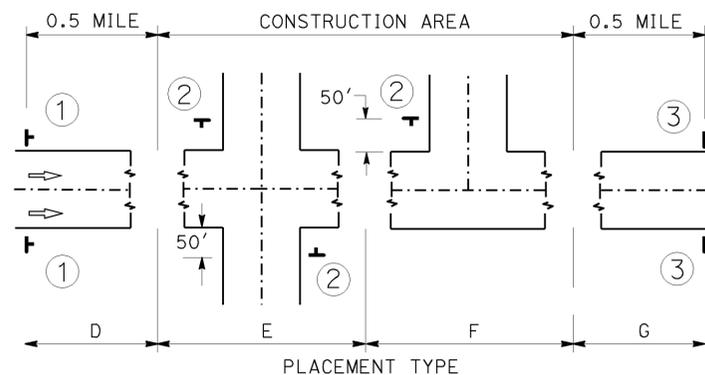
**STATIONARY MOUNTED CONSTRUCTION AREA SIGN DETAILS**

LAYOUT	TYPE	PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	No. OF POSTS	POST SIZE
①	W20-1	48" x 48"	ROAD WORK AHEAD	3	3	6" x 6"
	C23B (CA)	60" x 24"	PAVEMENT MAINTENANCE	3		
②	W20-1	36" x 36"	ROAD WORK AHEAD	13	13	4" x 6"
③	G20-2	36" x 18"	END ROAD WORK	3	6	4" x 4"

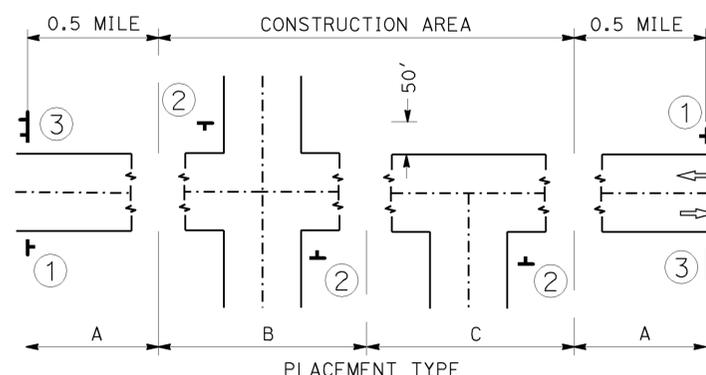
**MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION**

PM	No. (N)	REMARKS
40.06	1	TRAFFIC COUNT STATION
40.86	1	TRAFFIC COUNT STATION
0.20	1	TRAFFIC COUNT STATION-ON ROUTE 158
TOTAL	3	

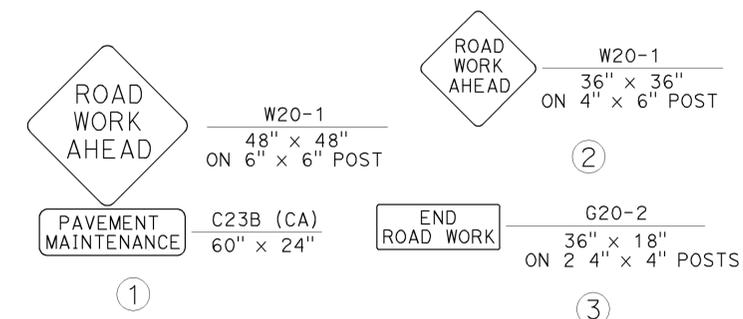
(N) NOT A SEPARATE PAY ITEM



**TYPICAL SIGN PLACEMENT FOR DIVIDED HIGHWAY WITH CONSTRUCTION IN ONE DIRECTION OF TRAVEL**



**TYPICAL SIGN PLACEMENT FOR UNDIVIDED HIGHWAY**



**TYPICAL SIGN LAYOUT**

**CONSTRUCTION AREA SIGNS CS-1**

NO SCALE

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	8	16

REGISTERED CIVIL ENGINEER DATE 6-25-12  
 PLANS APPROVAL DATE 7-16-12

REGISTERED PROFESSIONAL ENGINEER  
 MATTHEW GOIKE  
 No. 63638  
 Exp. 09-30-12  
 CIVIL  
 STATE OF CALIFORNIA

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PAINT PAVEMENT MARKING (2-COAT)														
STATION	DIRECTION	TYPE III ARROW (LEFT)		TYPE III ARROW (RIGHT)		TYPE V ARROW		TYPE VI ARROW		LIMIT LINE (12" WIDE)		"STOP"		REMARKS
		EA (N)	SQFT	EA (N)	SQFT	EA (N)	SQFT	EA (N)	SQFT	LF (N)	SQFT	EA (N)	SQFT	
134+70	SB							1	42					
135+90	SB							1	42					
137+20	SB							1	42					
140+15	NB	1	42											
142+10	SB			1	42									
142+73	NB	1	42											
143+12	SB			1	42					32	32	1	22	JCT 158/JUNE LAKE JUNCTION
143+70	NB							1	42					
144+85	SB			1	42									
145+16	NB							1	42					
147+56	NB									25	25	1	22	ROAD APPROACH (RIGHT)
160+70	NB					2	66							
161+60	NB					2	66							
161+70	SB					2	66							
162+85	SB					2	66							
173+15	NB					2	66							
174+40	NB					2	66							
252+30	NB			1	42									
254+60	NB			1	42									
256+60	NB					2	66							
257+15	NB			1	42									
257+85	NB					2	66							
258+60	NB									13	13	1	22	VISTA POINT ROAD (LEFT)
266+44	NB	1	42			2	66							
267+50	NB	1	42			2	66							
268+25	NB									32	32	1	22	WEST PORTAL ROAD (LEFT)
356+30	NB			1	42									
357+26	NB	1	42			2	66							
358+50	NB	1	42			2	66							
359+22	NB									26	26	1	22	WEST PORTAL ROAD NORTH (RIGHT)
177+55	SB									15	15	1	22	ROAD APPROACH (LEFT)
178+30	SB					2	66							
179+60	SB					2	66							
248+80	SB									23	23	1	22	MEDIAN X-OVER (RIGHT)
249+40	SB	1	42			2	66							
250+75	SB					2	66							
268+45	SB									14	14	1	22	MEDIAN X-OVER/WEST PORTAL ROAD SOUTH (LEFT)
271+00	SB									16	16	1	22	ROAD APPROACH (LEFT)
272+70	SB					2	66							
274+00	SB					2	66							
359+22	SB									49	49	2	44	MEDIAN X-OVER (LEFT)
359+22	SB									31	31	1	22	WEST PORTAL ROAD NORTH (LEFT)
359+82	SB	1	42	1	42	2	66							
360+82	SB	1	42			2	66							
361+82	SB			1	42									
SUBTOTAL		378		378		1320		210		276		264		
TOTAL		2826												

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: JOHN FOX  
 CALCULATED/DESIGNED BY: MALISSA REYNOLDS  
 CHECKED BY: MATTHEW GOIKE  
 REVISED BY: DATE REVISSED

# PAVEMENT DELINEATION QUANTITIES PDQ-1

LAST REVISION: DATE PLOTTED => 24-JUL-2012 14:36  
 05-07-12 TIME PLOTTED => 14:36

**NOTE:**

1. CONSTRUCT RUMBLE STRIP PRIOR TO THE PLACEMENT OF THE ASPHALT-RUBBER SEAL COAT.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	395	40.1/44.9	9	16

*Matthew Goike* 6-25-12  
 REGISTERED CIVIL ENGINEER DATE

7-16-12  
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE ENGINEERING  
 FUNCTIONAL SUPERVISOR JOHN FOX  
 CALCULATED/DESIGNED BY CHECKED BY MATTHEW GOIKE  
 MALISSA REYNOLDS  
 REVISOR BY DATE REVISED MUR 06-21-12

ROADWAY QUANTITIES						
STATION		DIRECTION	ASPHALT RUBBER BINDER	SCREENINGS (HOT-APPLIED)	SAND COVER (SEAL)	ASPHALTIC EMULSION (FOG SEAL COAT)
FROM	TO		TON	TON	TON	TON
131+00	163+00	NB/SB	87	613	68	7
163+00	369+20	NB	254	1788	199	23
160+36	383+48	SB	181	1276	142	22
TOTAL			522	3677	409	52

PAINT TRAFFIC STRIPE (2-COAT)									
STATION		DIRECTION	DETAIL NUMBER						
FROM	TO		11 LF	21 LF	24 LF	27B LF	28 LF	31 LF	38A LF
131+00	163+00	NB/SB	6,400	158		6,400	1,775		581
163+00	369+20	NB	20,620		20,620	20,620		900	589
160+36	383+48	SB	22,278		22,278	22,278			520
SUBTOTAL			49,298	158	42,898	49,298	1,775	900	1,690
TOTAL			146,017						

RUMBLE STRIP						
STATION		NB	SB	LEFT	RIGHT	STATIONS
FROM	TO					
149+28	162+88			X		13.6
383+48	365+60		X	X	X	35.8
365+60	364+83		X		X	0.8
364+83	360+00		X			4.8
360+00	359+80		X	X	X	0.4
359+80	272+56		X			174.5
272+56	271+81		X	X	X	1.5
271+81	253+53		X	X		18.3
253+53	248+30		X			5.2
248+30	177+47		X	X		70.8
177+47	177+07		X	X		0.4
177+07	160+36		X	X		16.7
TOTAL						342.8

REMOVE PAVEMENT MARKING			
STATION		DIRECTION	SQFT
FROM	TO		
131+00	163+00	NB/SB	785
163+00	369+20	NB	1001
160+36	383+48	SB	1040
TOTAL			2826

**SUMMARY OF QUANTITIES Q-1**

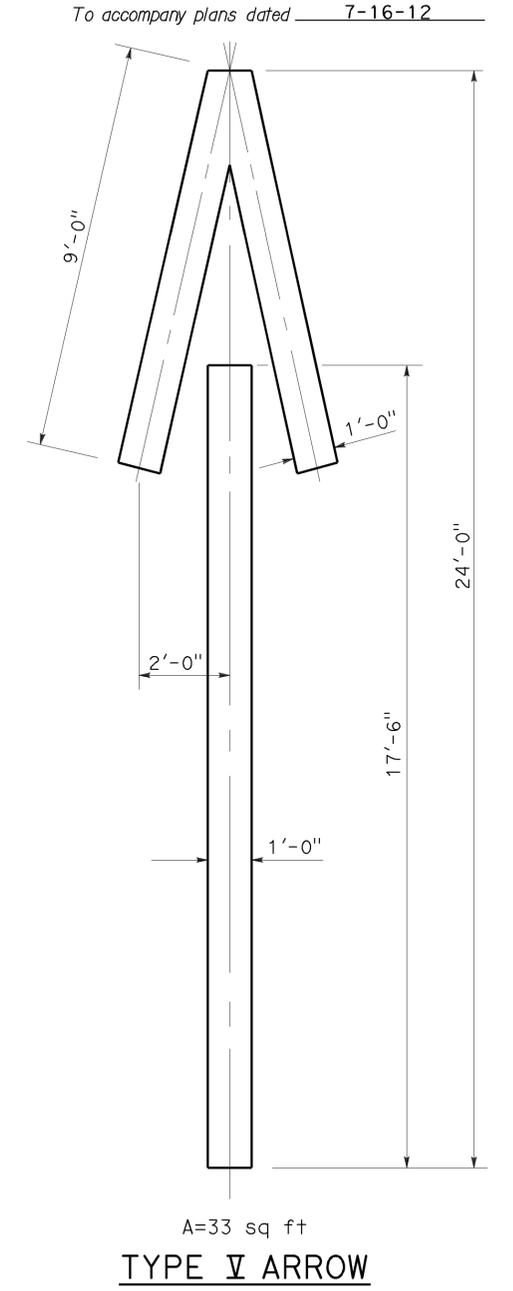
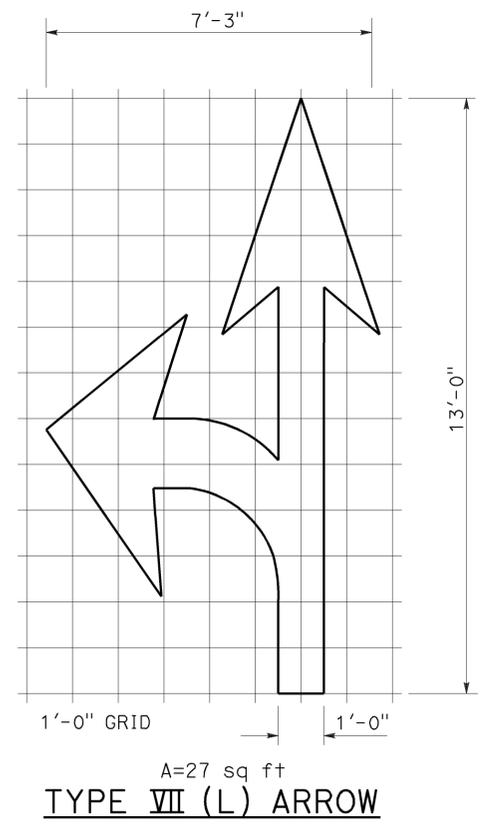
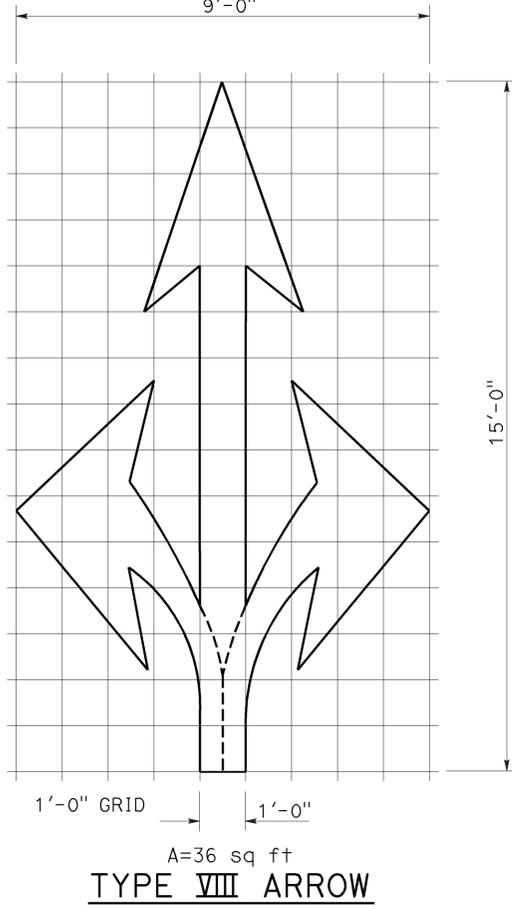
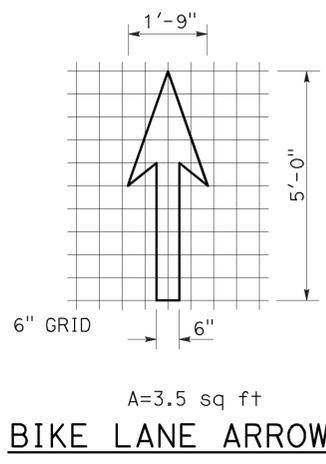
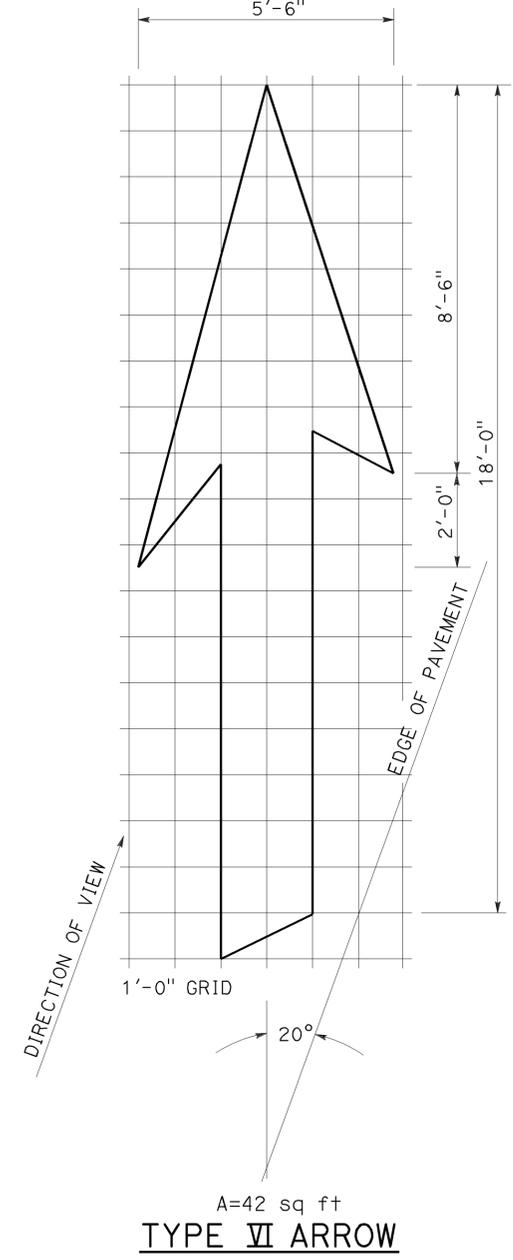
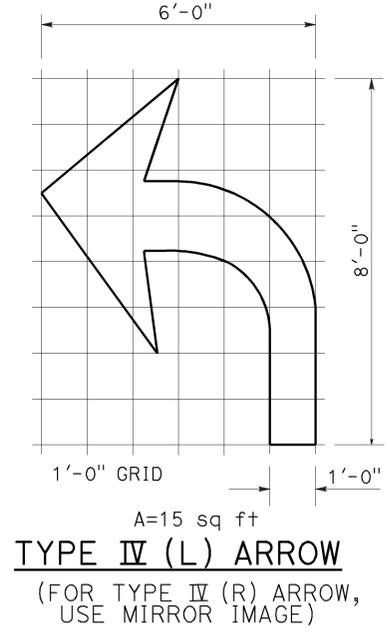
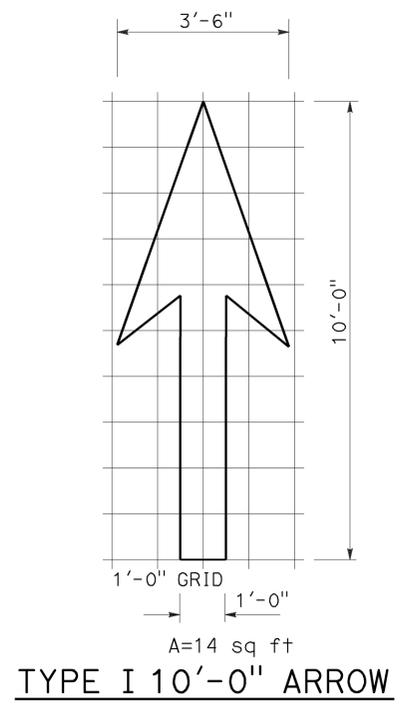
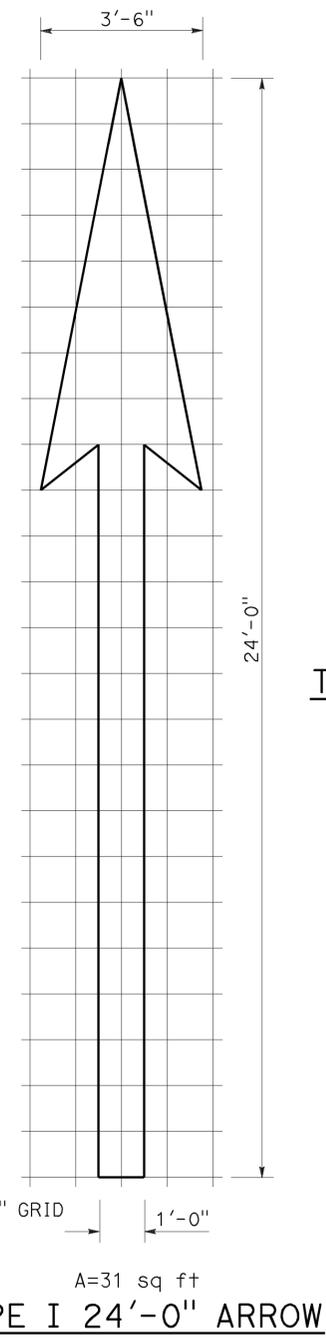
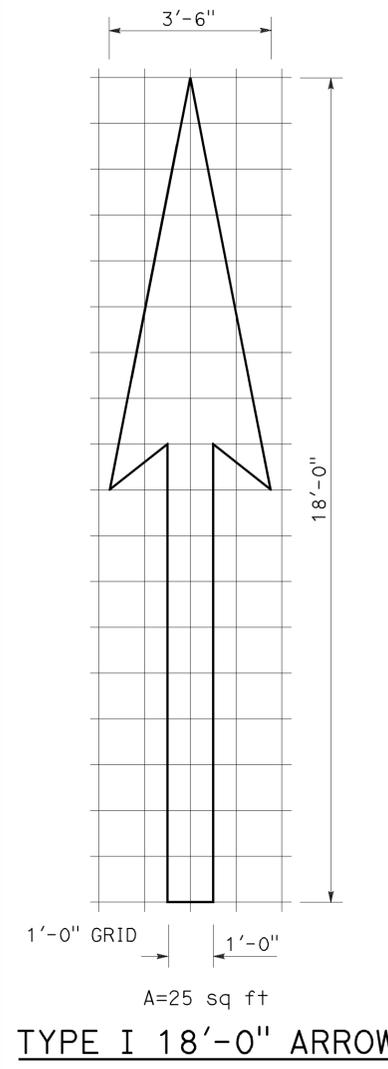


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	40.1/44.9	10	16

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

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 electronic copies of this plan sheet.



**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 1, 2006 - PAGE 9 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**2006 REVISED STANDARD PLAN RSP A24A**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	40.1/44.9	11	16

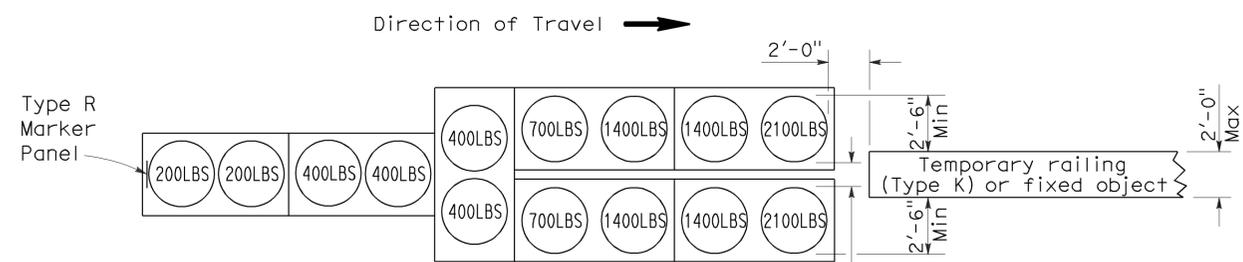
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

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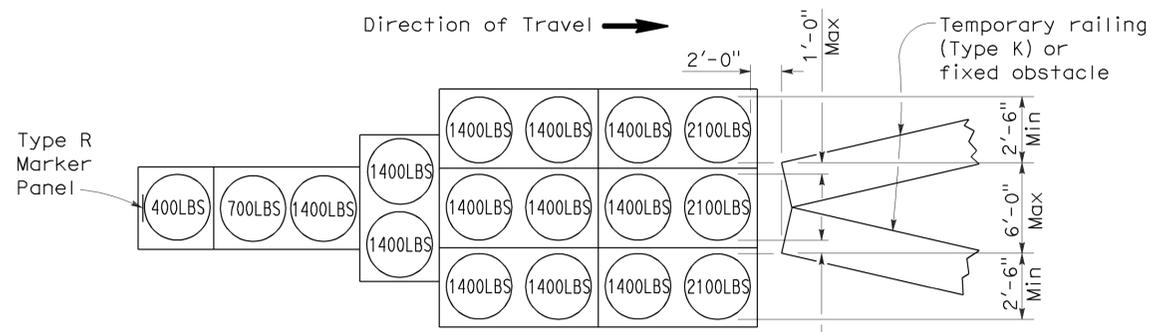
REGISTERED PROFESSIONAL ENGINEER  
Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 7-16-12



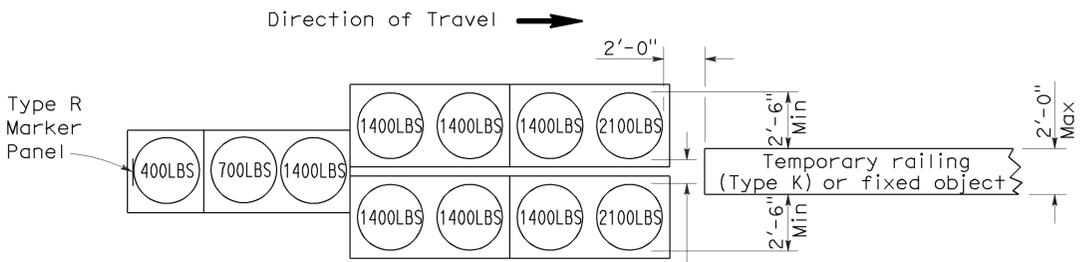
**ARRAY 'TU14'**

Approach speed 45 mph or more



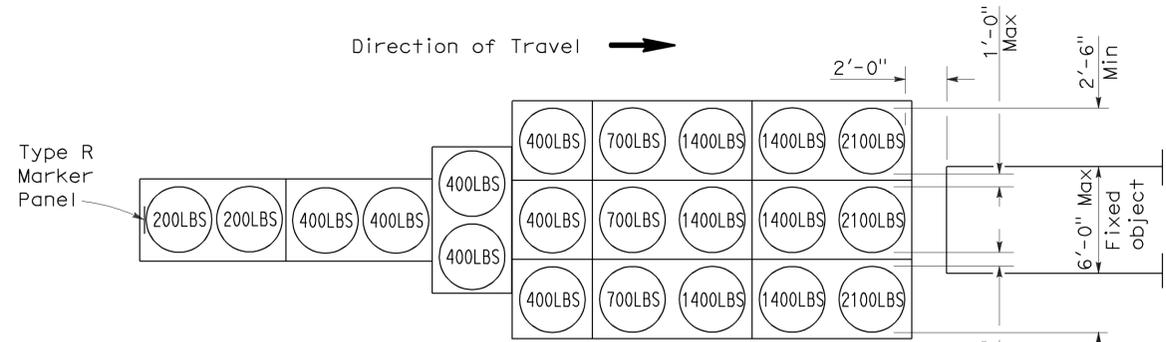
**ARRAY 'TU17'**

Approach speed less than 45 mph



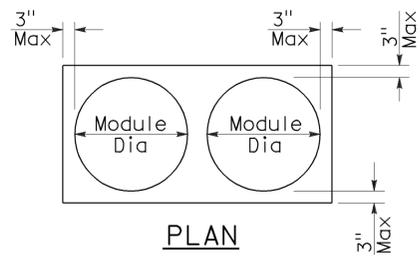
**ARRAY 'TU11'**

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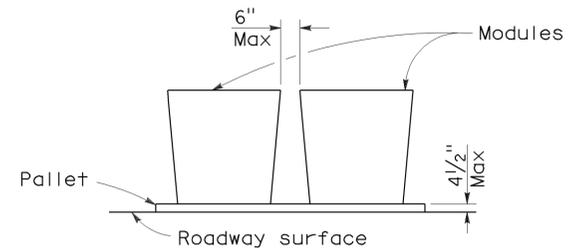


**ARRAY 'TU21'**

Approach speed 45 mph or more



**PLAN**



**ELEVATION**

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(UNIDIRECTIONAL)**

NO SCALE

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

**REVISED STANDARD PLAN RSP T1A**

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	40.1/44.9	12	16

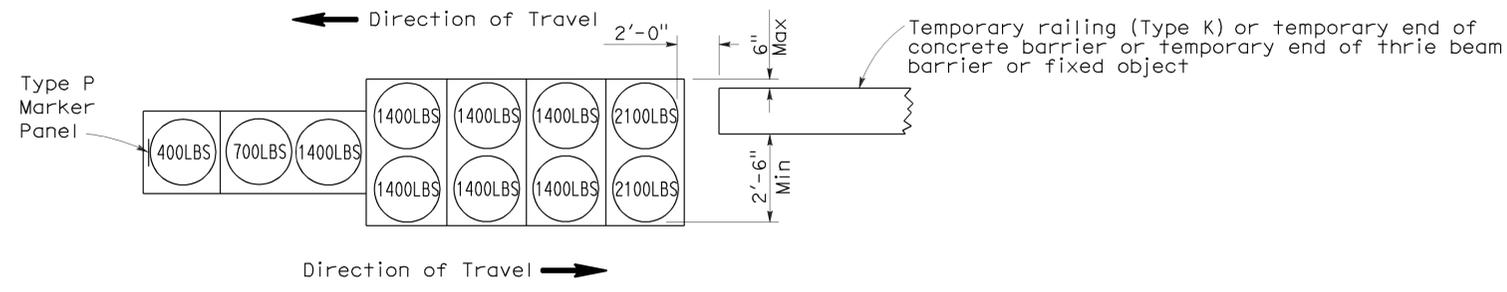
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

*Randell D. Hiatt*  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

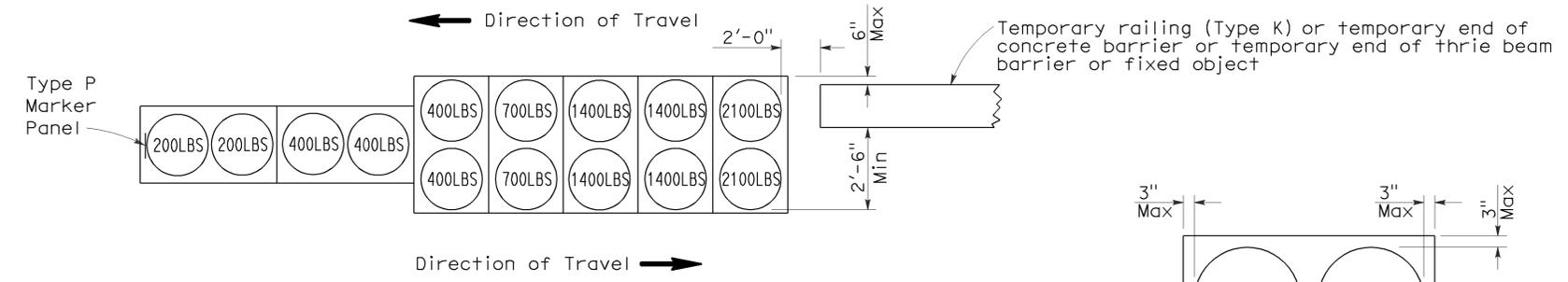
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To accompany plans dated 7-16-12



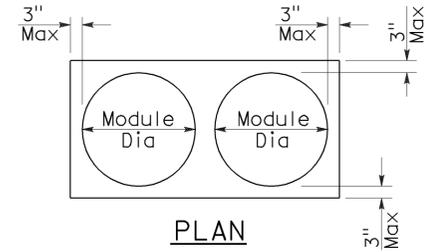
**ARRAY 'TB11'**

Approach speed less than 45 mph

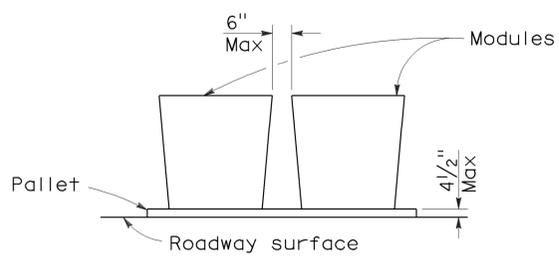


**ARRAY 'TB14'**

Approach speed 45 mph or more



PLAN



ELEVATION

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(BIDIRECTIONAL)**

NO SCALE

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

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

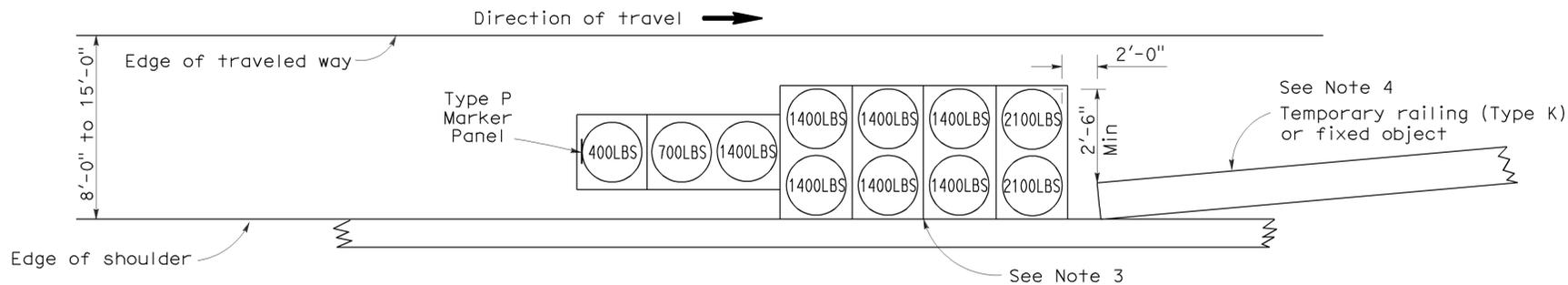
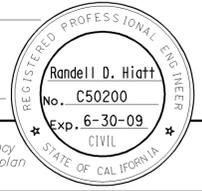
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	40.1/44.9	13	16

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

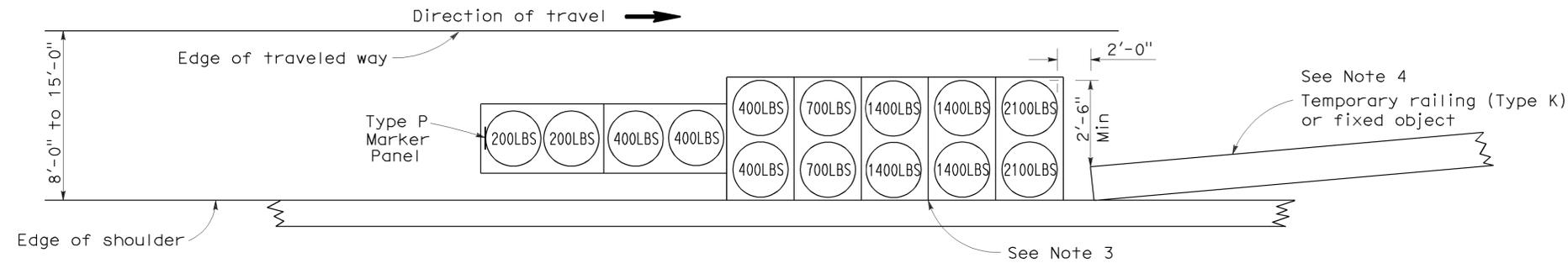
June 6, 2008  
PLANS APPROVAL DATE

*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

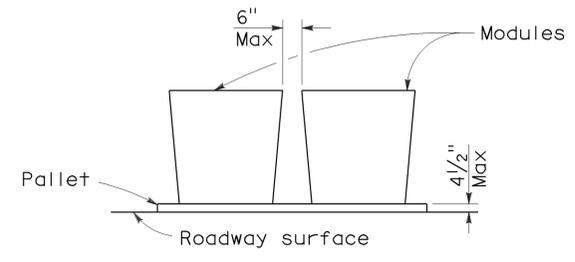
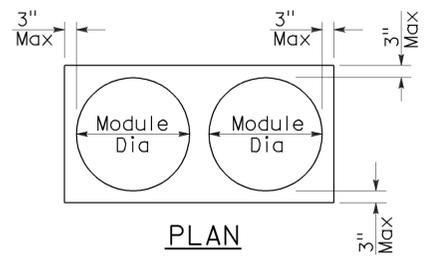
To accompany plans dated 7-16-12



**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



**ARRAY 'TS14'**  
Approach speed 45 mph or more  
See Note 9



**CRASH CUSHION PALLET DETAIL**  
See Note 11

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**

NO SCALE  
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2  
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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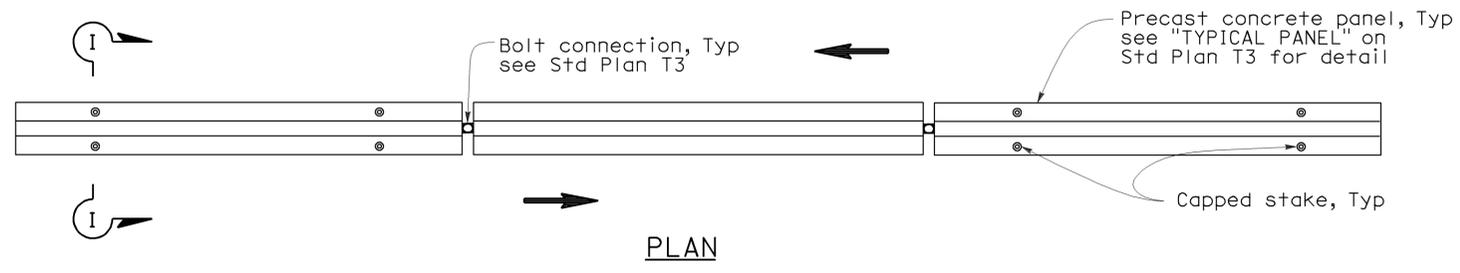
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

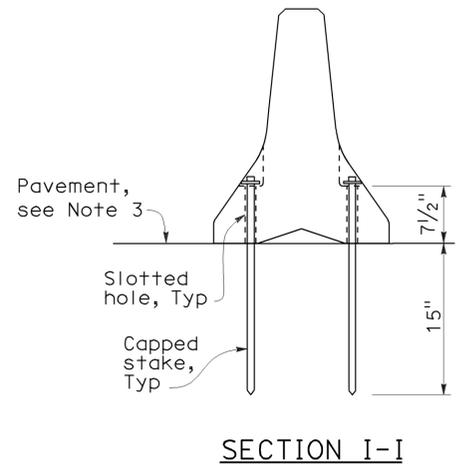
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

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

To accompany plans dated 7-16-12



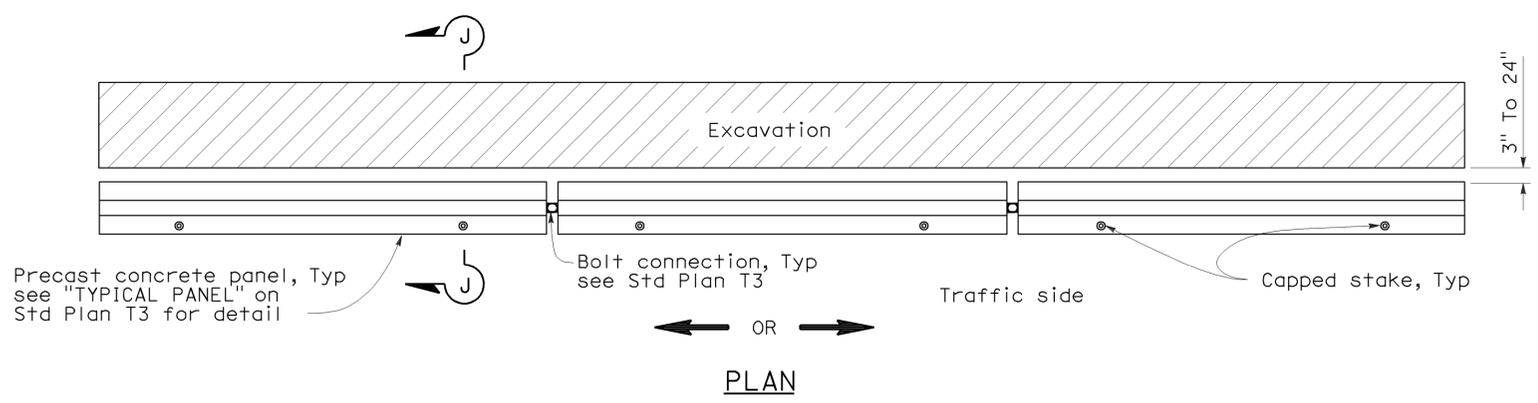
**RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC**  
See Note 1



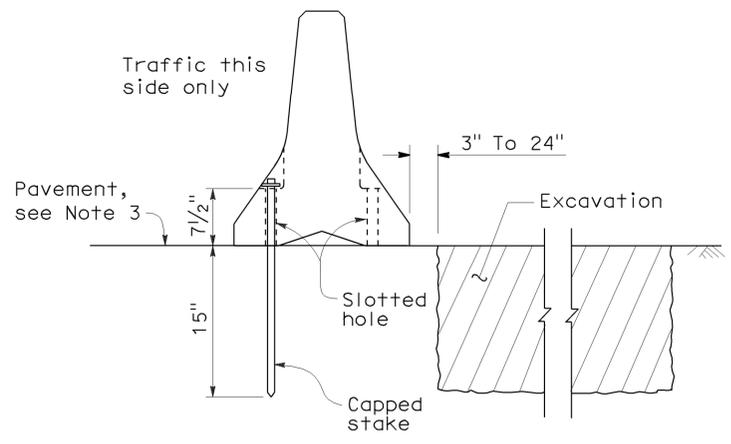
**SECTION I-I**

**NOTES:**

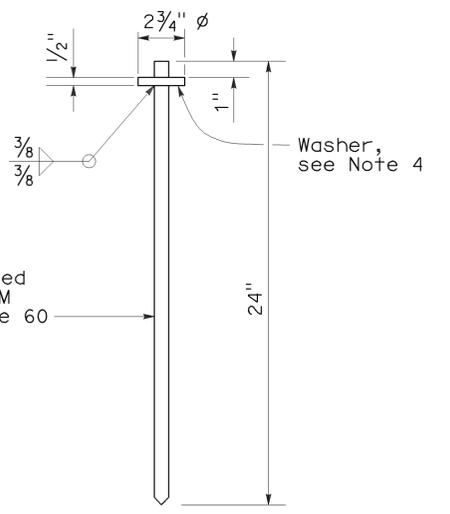
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of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



**RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION**  
See Note 2



**SECTION J-J**



**CAPPED STAKE DETAIL**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY RAILING  
(TYPE K)**  
NO SCALE

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

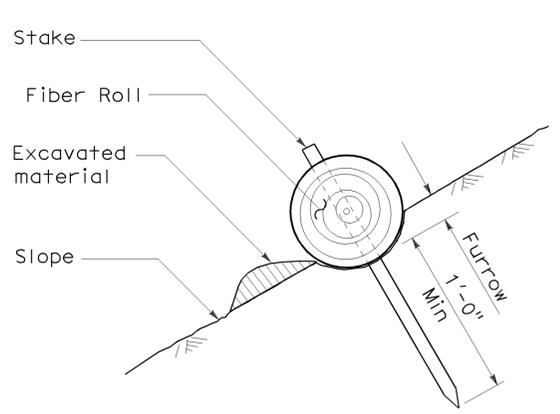
**NEW STANDARD PLAN NSP T3A**

2006 NEW STANDARD PLAN NSP T3A

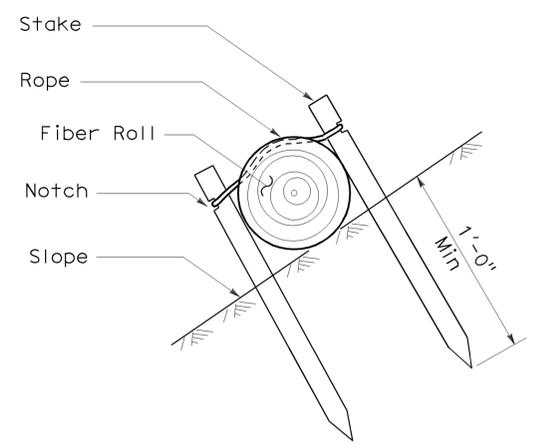
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	40.1/44.9	15	16

*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 April 3, 2009  
 PLANS APPROVAL DATE  
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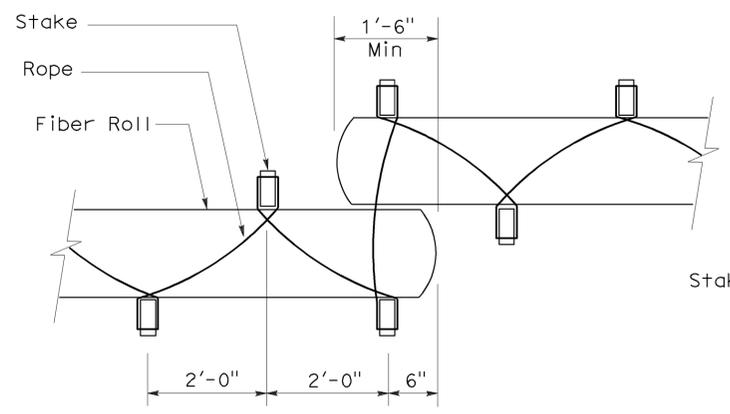
To accompany plans dated 7-16-12



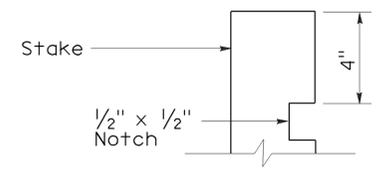
**SECTION**  
**TEMPORARY FIBER ROLL (TYPE 1)**



**SECTION**  
**TEMPORARY FIBER ROLL (TYPE 2)**

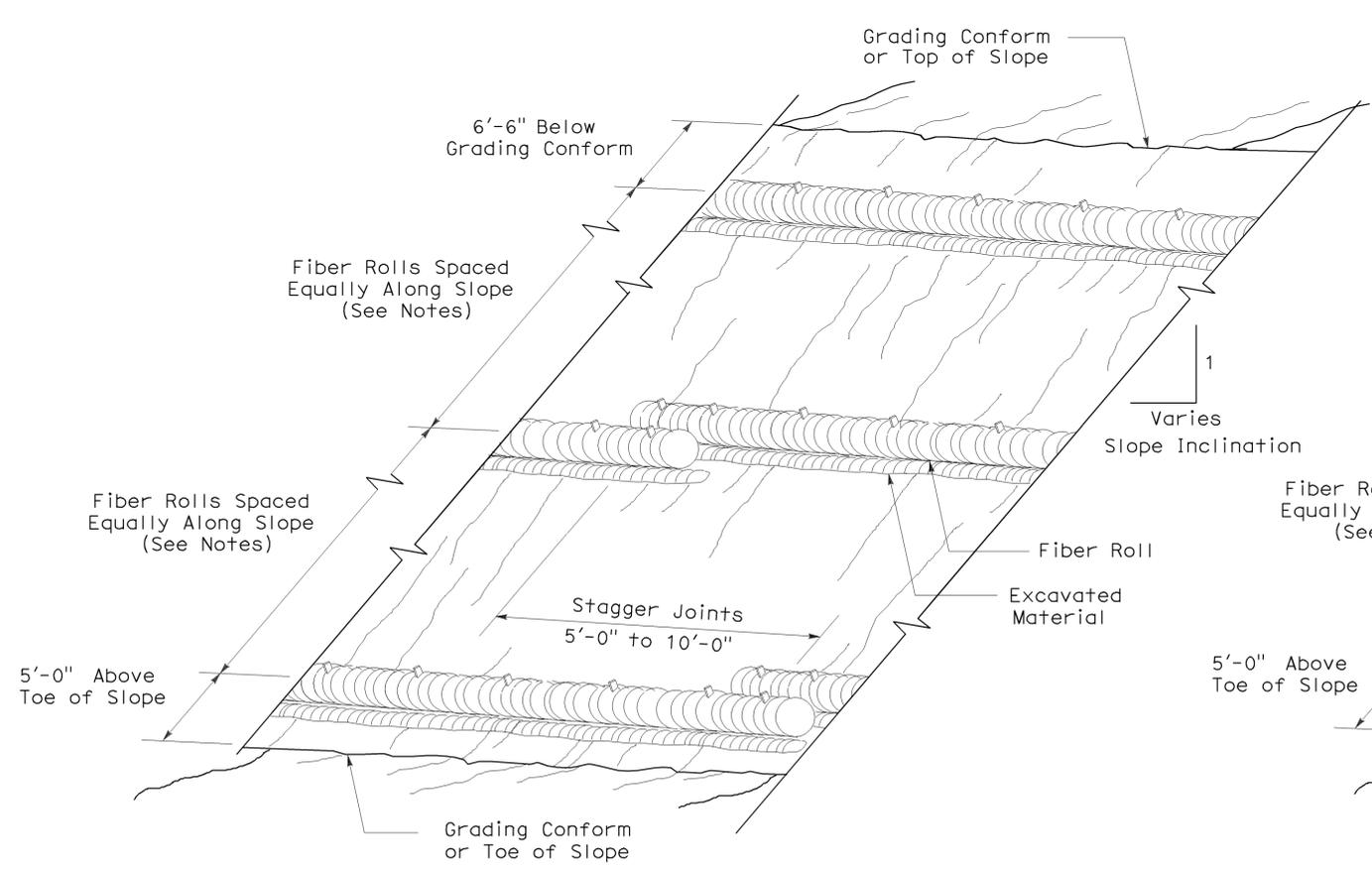


**PLAN**  
**TEMPORARY FIBER ROLL (TYPE 2)**

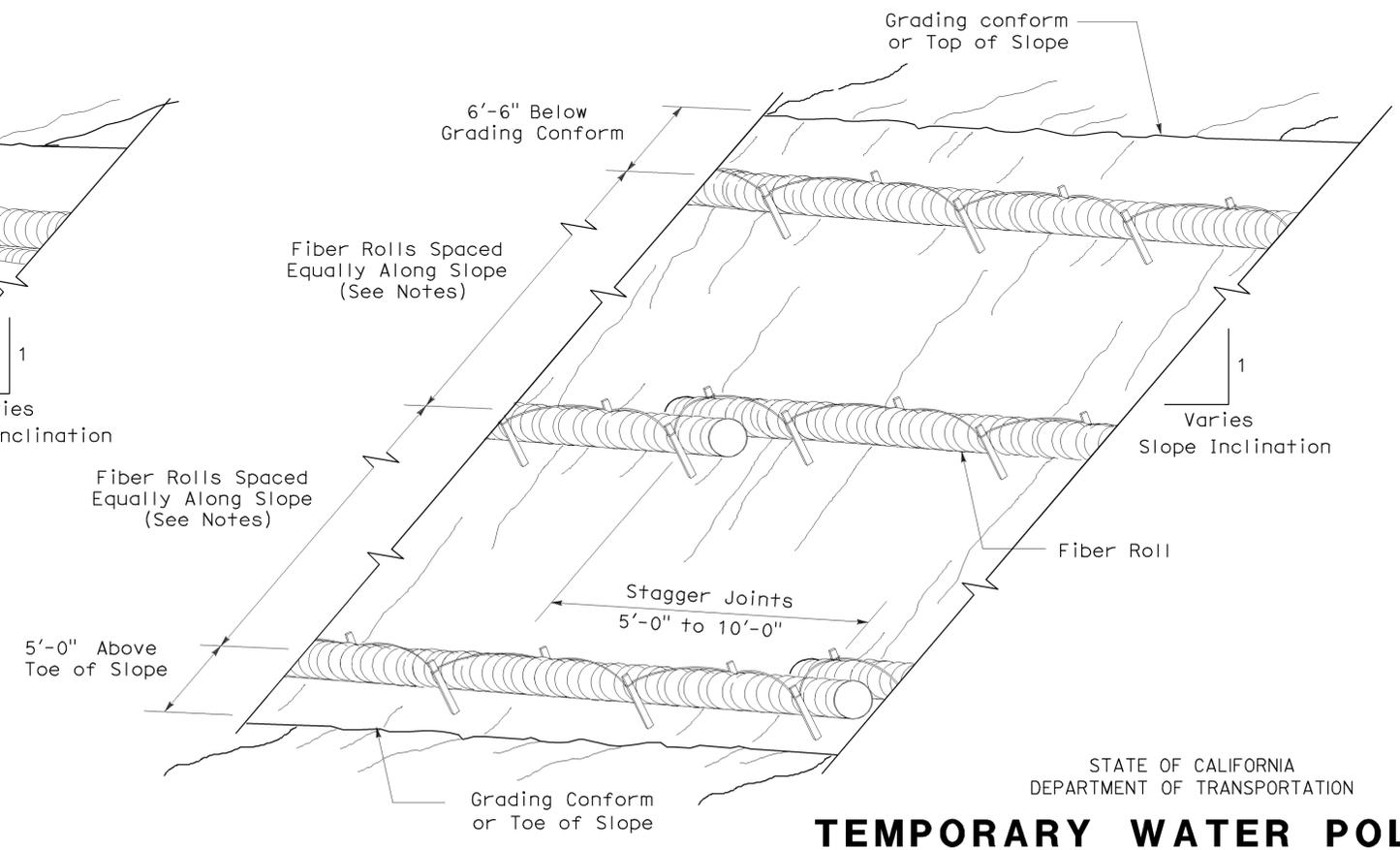


**ELEVATION**  
**STAKE NOTCH DETAIL**

- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
  2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



**PERSPECTIVE**  
**TEMPORARY FIBER ROLL (TYPE 1)**



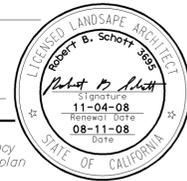
**PERSPECTIVE**  
**TEMPORARY FIBER ROLL (TYPE 2)**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)**  
 NO SCALE

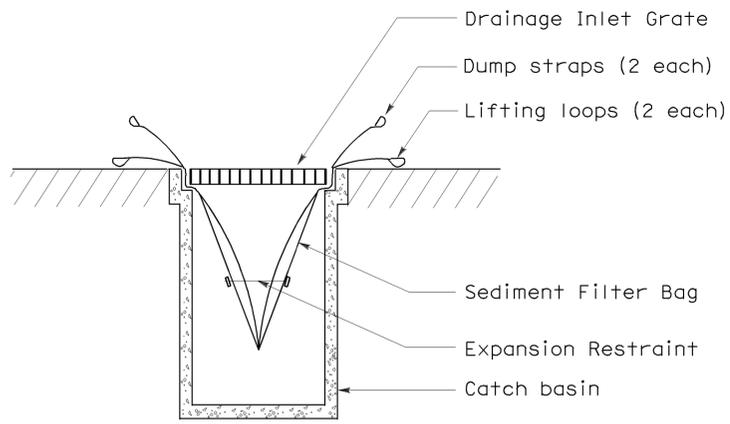
2006 REVISED STANDARD PLAN RSP T56

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	395	40.1/44.9	16	16

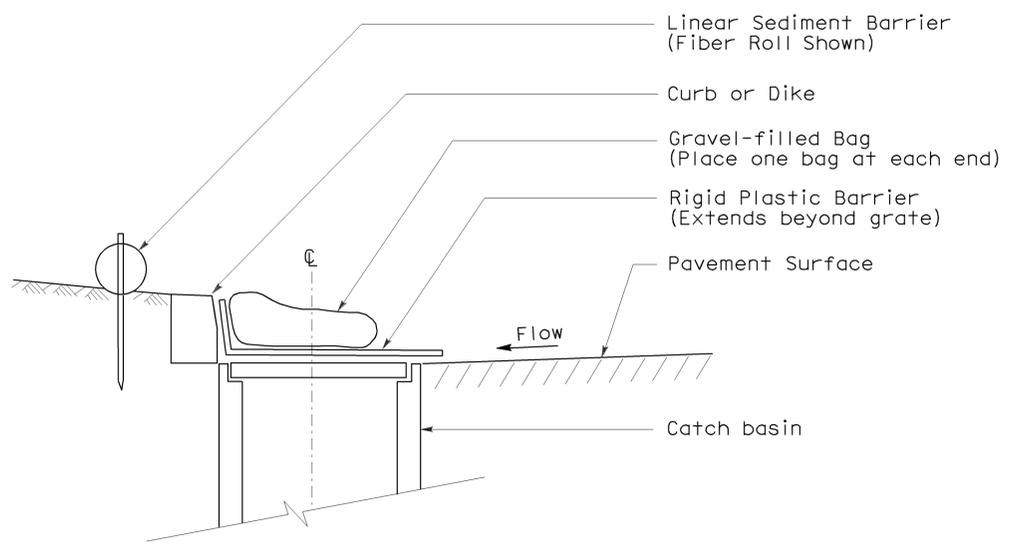
*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 August 15, 2008  
 PLANS APPROVAL DATE  
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



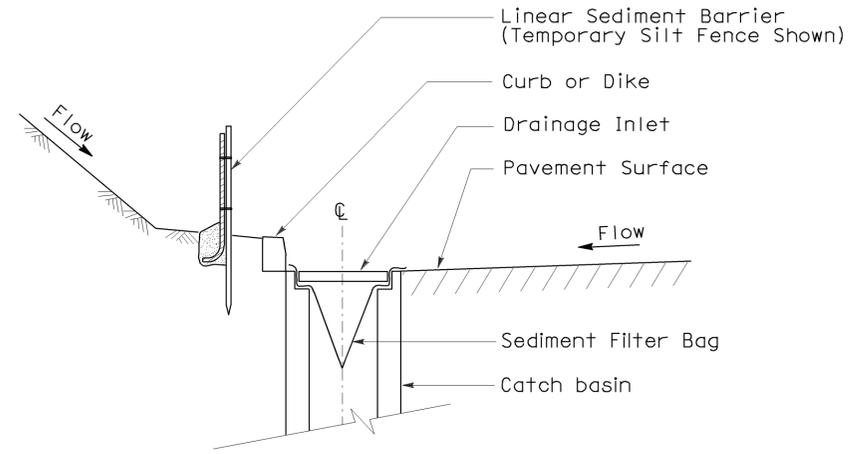
To accompany plans dated 7-16-12



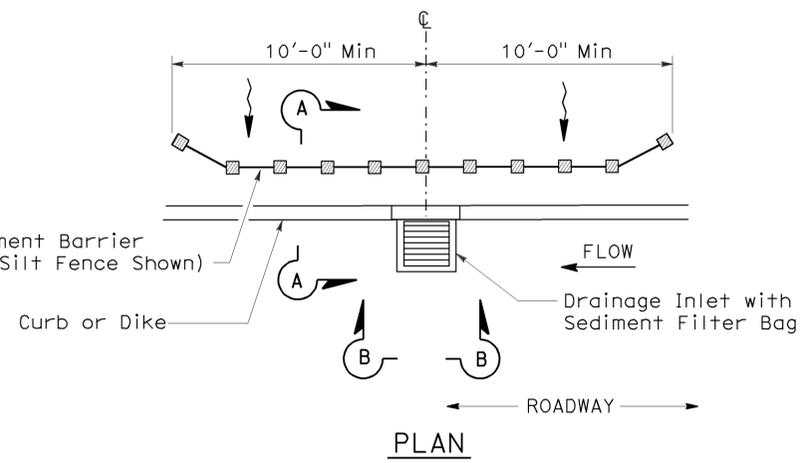
**SECTION B-B**  
**SEDIMENT FILTER BAG DETAIL**



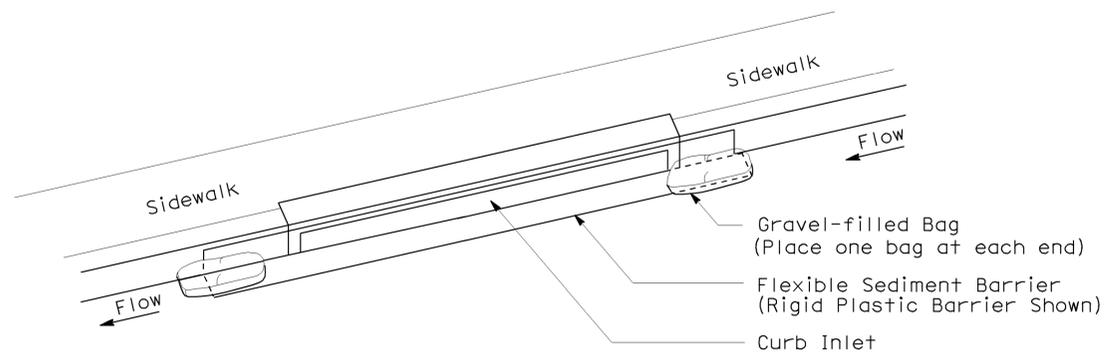
**SECTION**  
**TEMPORARY DRAINAGE**  
**INLET PROTECTION (TYPE 6A)**  
**(CATCH BASIN WITH GRATE)**



**SECTION A-A**



**PLAN**  
**TEMPORARY DRAINAGE**  
**INLET PROTECTION (TYPE 5)**  
**(SEDIMENT FILTER BAG)**



**PERSPECTIVE**  
**TEMPORARY DRAINAGE**  
**INLET PROTECTION (TYPE 6B)**  
**(CURB INLET WITHOUT GRATE)**

**NOTES:**

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)**

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

**NEW STANDARD PLAN NSP T64**

2006 NEW STANDARD PLAN NSP T64