INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3-5	LAYOUTS AND SUMMARY OF QUANTITIES
6	CONSTRUCTION DETAILS
7-9	EROSION CONTROL PLANS
10-11	DRAINAGE PROFILES, DETAILS AND QUANTITIES
12	CONSTRUCTION AREA SIGNS
13-16	TRAFFIC HANDLING PLANS AND QUANTITIES
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21	SIGN QUANTITIES
22-32	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

HSNH-P132(048)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	1	32

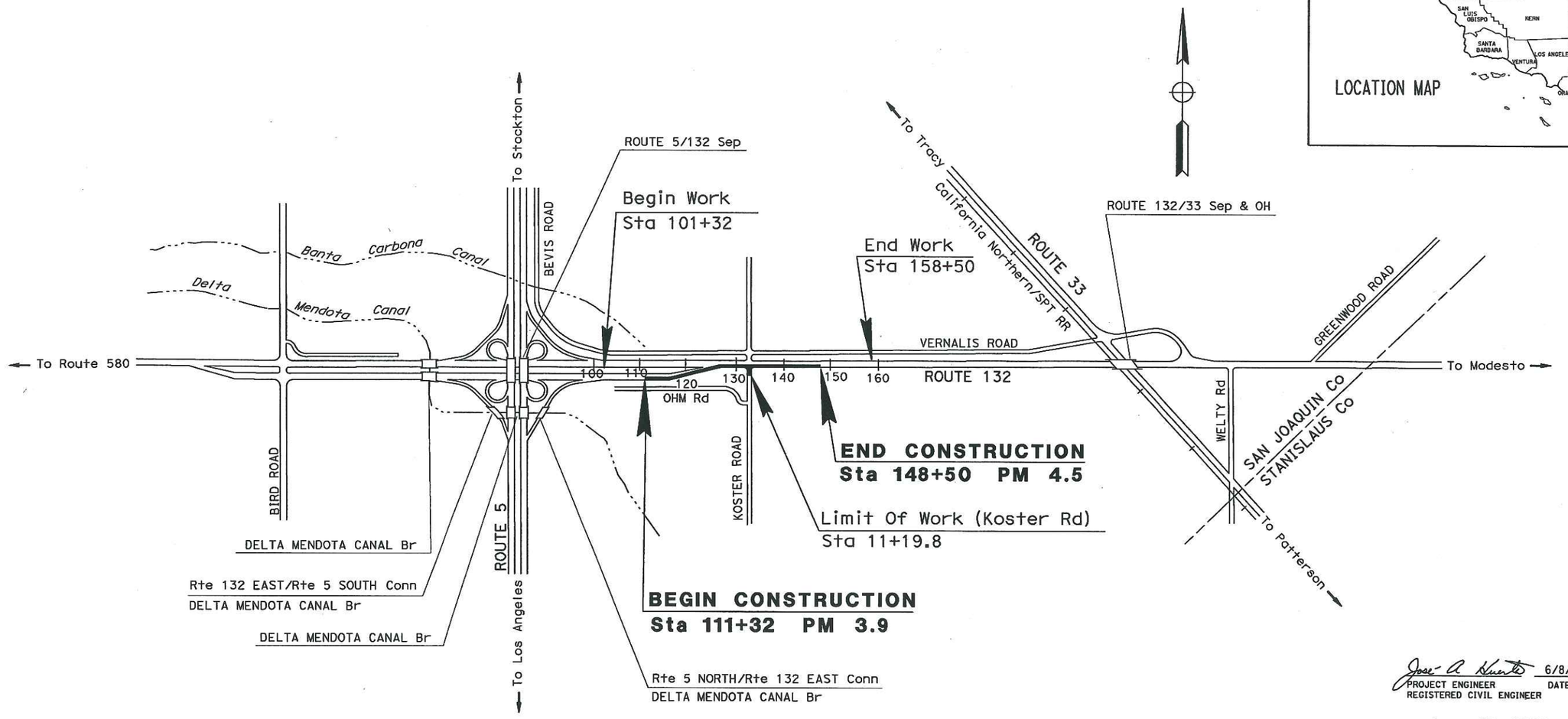
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SAN JOAQUIN COUNTY
ABOUT 9 MILES WEST OF MODESTO
FROM 0.7 MILE EAST OF ROUTE 5/132 SEPARATION TO 0.2 MILE EAST OF KOSTER ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



NO SCALE

Jose A Huerta 6/8/11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
Jose A. Huerta
No. 52380
Exp 12/31/12
CIVIL
STATE OF CALIFORNIA

June 13, 2011
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.

PROJECT MANAGER	TONY SINGH
DESIGN ENGINEER	JOSE HUERTA

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

CONTRACT No.	10-0S7904
PROJECT ID	1000000262

LAST REVISION 00-00-00 | DATE PLOTTED => 22-AUG-2011 | TIME PLOTTED => 09:44

BORDER LAST REVISED 7/1/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => S123936 | DGN FILE => o0s790ab001.dgn | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

NOTE:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.

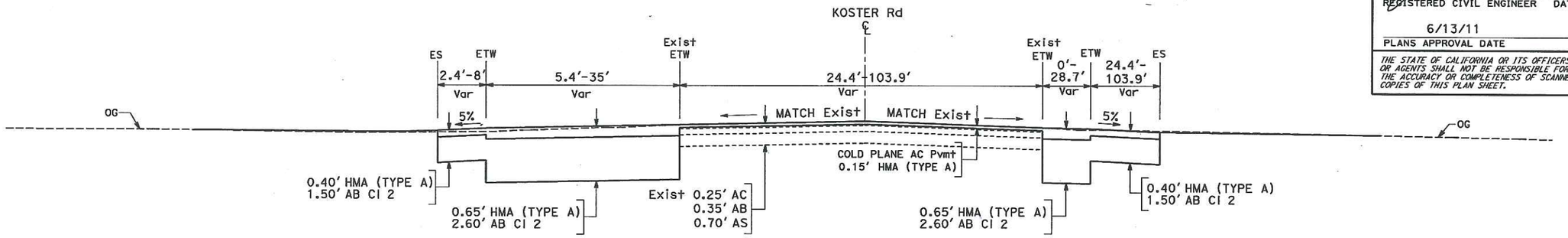
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	2	32

Jose A Huerta 6/8/11
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

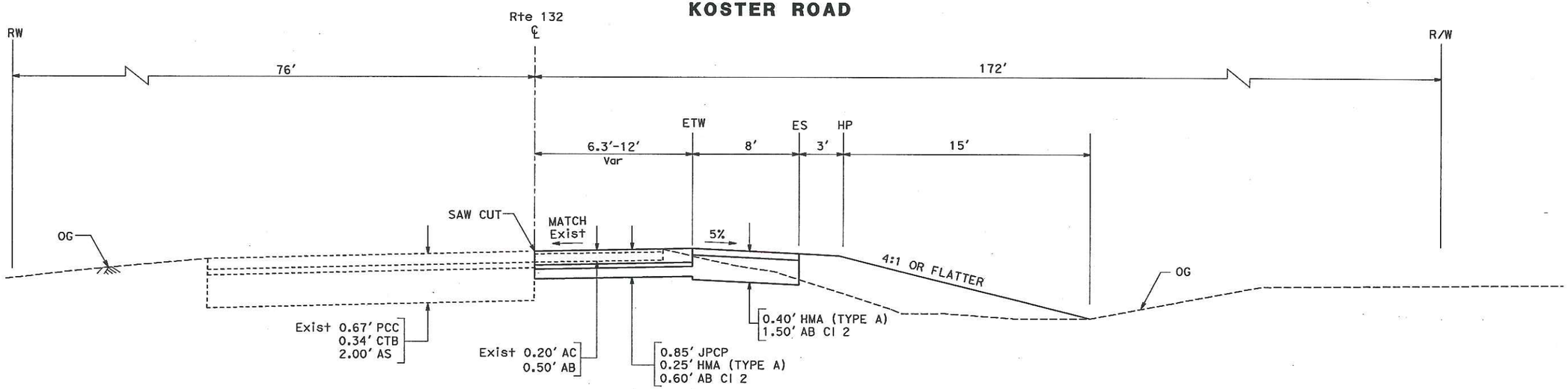
REGISTERED PROFESSIONAL ENGINEER — Jose A. Huerta — No. 52380 — Exp. 12/31/12 — CIVIL — STATE OF CALIFORNIA

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.



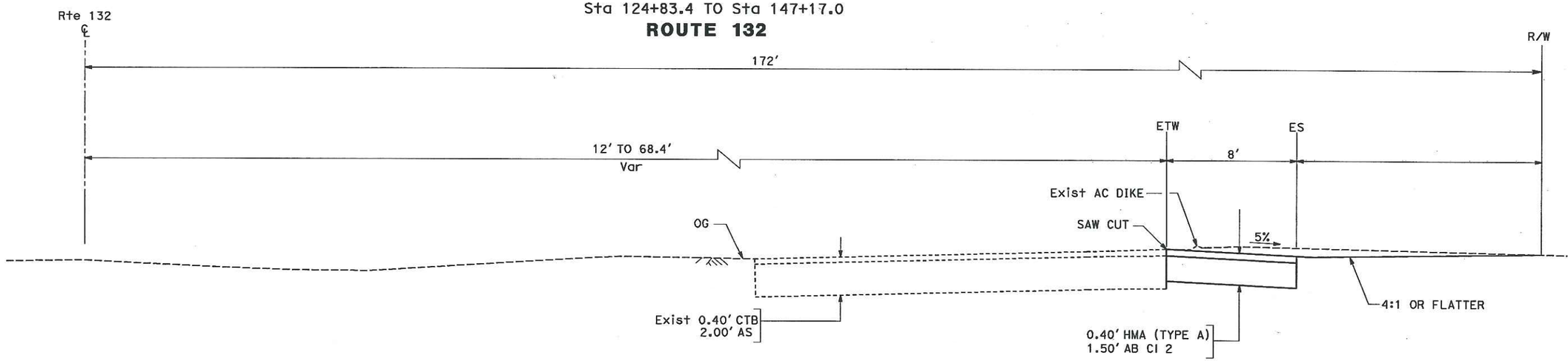
Sta 10+10.60 TO Sta 11+17.71

KOSTER ROAD



Sta 124+83.4 TO Sta 147+17.0

ROUTE 132



Sta 114+00.0 TO Sta 124+83.4

ROUTE 132

TYPICAL CROSS SECTIONS

NO SCALE

X-1

CALCULATED-DESIGNED BY	KENNY HOANG	REVISED BY	KH
CHECKED BY	JOSE HUERTA	DATE REVISED	05/23/11
FUNCTIONAL SUPERVISOR	TERRY OGLE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-AUG-2011 | TIME PLOTTED => 09:44

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790ca001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	3	32

REGISTERED CIVIL ENGINEER 6/8/11 DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jose A. Huerta No. 52380 Exp. 12/31/12 CIVIL STATE OF CALIFORNIA

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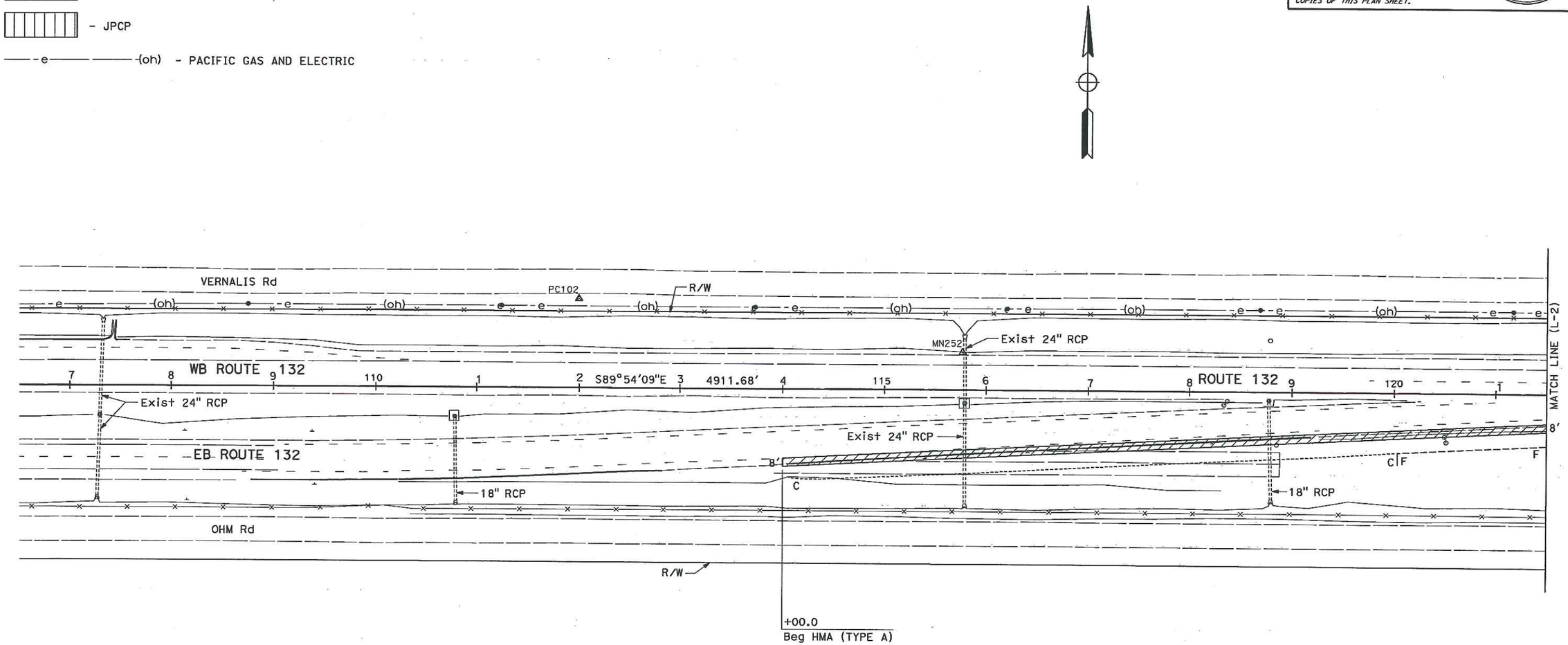
NOTE:

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

LEGEND

- HMA (TYPE A)
- JPCP
- —e— —(oh) - PACIFIC GAS AND ELECTRIC



LAYOUT

SCALE: 1" = 50'

L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

FUNCTIONAL SUPERVISOR: TERRY OGLE

CALCULATED-DESIGNED BY: KENNY HOANG

CHECKED BY: JOSE HUERTA

REVISED BY: KH

DATE REVISED: 05/17/11

LAST REVISION 00-00-00

DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:44

BORDER LAST REVISED 7/1/2010

USERNAME => S123936
DGN FILE => a0s790ea001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1512

PROJECT NUMBER & PHASE 10000002621

NOTE:

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

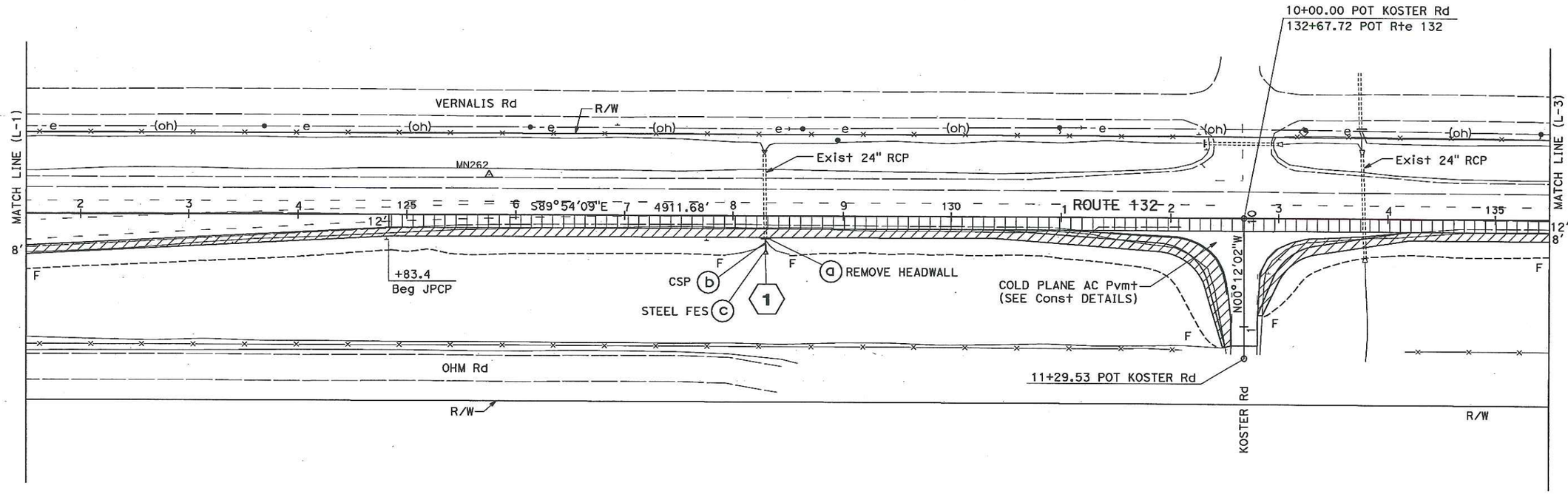
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	4	32

Jose A Huerta 6/8/11
REGISTERED CIVIL ENGINEER DATE

6/13/11
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
Jose A. Huerta
No. 52380
Exp. 12/31/12
CIVIL
STATE OF CALIFORNIA



LAYOUT

SCALE: 1" = 50'

L-2

CALCULATED-DESIGNED BY	KENNY HOANG	REVISED BY	KH
CHECKED BY	JOSE HUERTA	DATE REVISED	05/17/11

FUNCTIONAL SUPERVISOR: TERRY OGLE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-AUG-2011 | TIME PLOTTED => 09:44

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790ea002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	5	32

REGISTERED CIVIL ENGINEER 6/8/11 DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jose A. Huerta No. 52380 Exp. 12/31/12 CIVIL STATE OF CALIFORNIA

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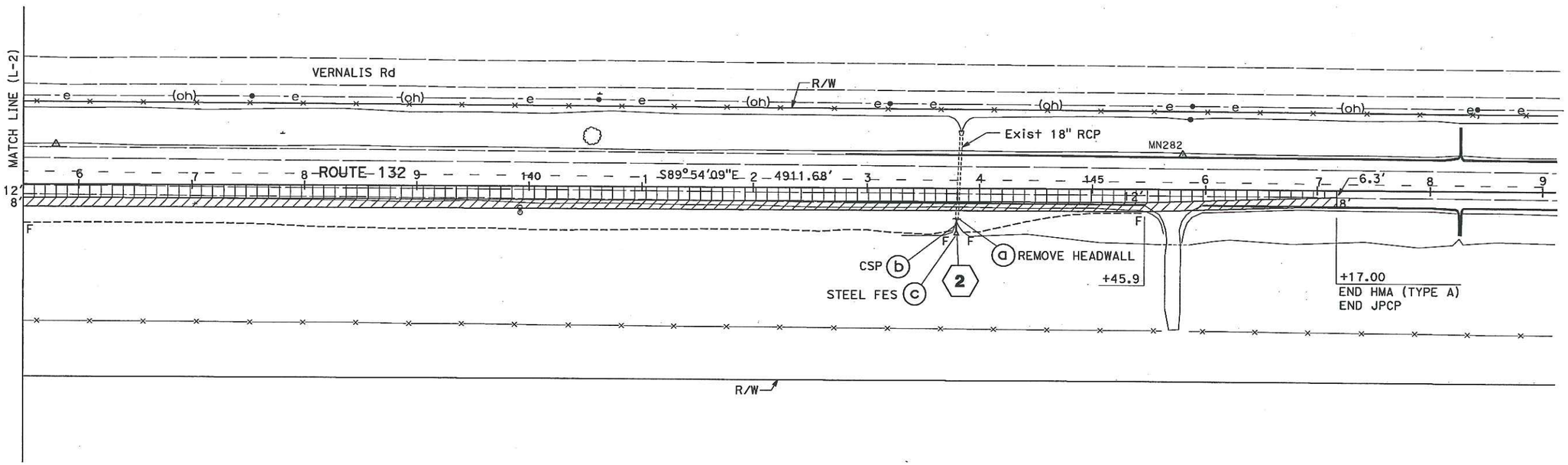
NOTE:

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



ROADWAY ITEMS

LOCATION Sta TO Sta	ROADWAY EXCAVATION	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	JOINTED PLAIN CONCRETE PAVEMENT	COLD PLANE HOT MIX ASPHALT (TYPE A)
	CY	TON	CY	CY	SQYD
114+00.0 - 147+17.0	2000	1200	2100		
124+83.4 - 147+17.0				650	
KOSTER ROAD					570
TOTAL	2000	1200	2100	650	570

REMOVE AC DIKE

LOCATION	(N) LF
Sta 114+05.6	513
Sta 130+41.0	273
Sta 142+79.2	267

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

LAYOUT AND SUMMARY OF QUANTITIES

SCALE: 1" = 50'

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: TERRY OGLE
CALCULATED-DESIGNED BY: KENNY HOANG
CHECKED BY: JOSE HUERTA
REVISED BY: KH
DATE REVISED: 05/17/11

LAST REVISION 00-00-00
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	6	32

REGISTERED CIVIL ENGINEER — 6/8/11 DATE

6/13/11
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 — Jose A. Huerta — No. 52380 — Exp. 12/31/12 — CIVIL — STATE OF CALIFORNIA

NOTE:

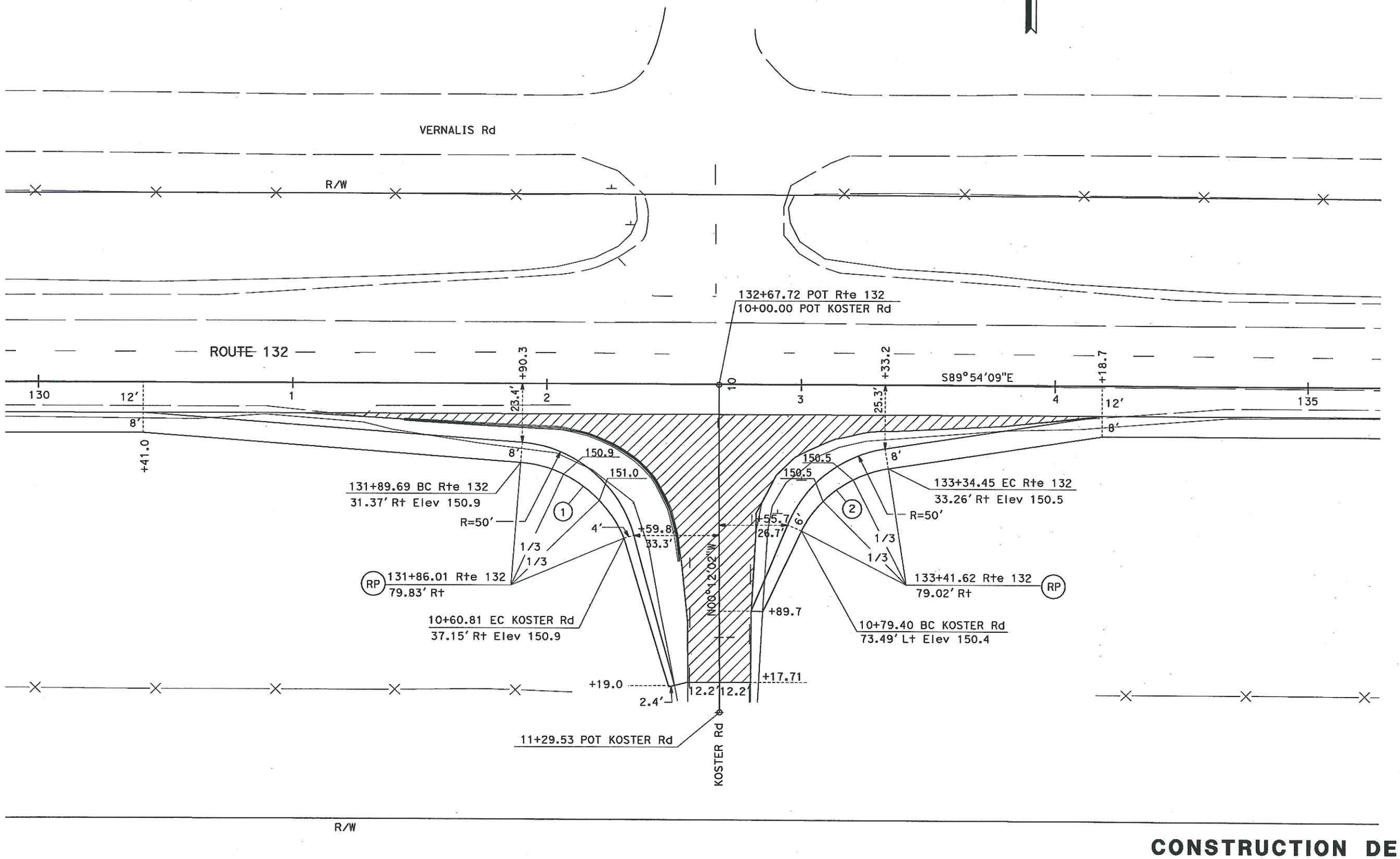
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND

▨ - COLD PLANE AC Pvmt

CURVE DATA

No.	R	Δ	T	L
(1)	48.6′	63°05′43"	29.84′	53.52′
(2)	46.5′	54°00′32"	23.70′	43.83′



CONSTRUCTION DETAILS

SCALE: 1" = 20′ **C-1**

CALCULATED-DESIGNED BY	KENNY HOANG	REVISED BY	KH
CHECKED BY	JOSE HUERTA	DATE REVISED	05/17/11

FUNCTIONAL SUPERVISOR: TERRY OGLE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

LAST REVISION 00-00-00 — DATE PLOTTED => 22-AUG-2011 — TIME PLOTTED => 09:44

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	7	32

LICENSED LANDSCAPE ARCHITECT

6/13/11
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.

LICENSED LANDSCAPE ARCHITECT
William Duttera No. 4428
Signature
9/30/12
Renewal Date
6/8/11
Date
STATE OF CALIFORNIA

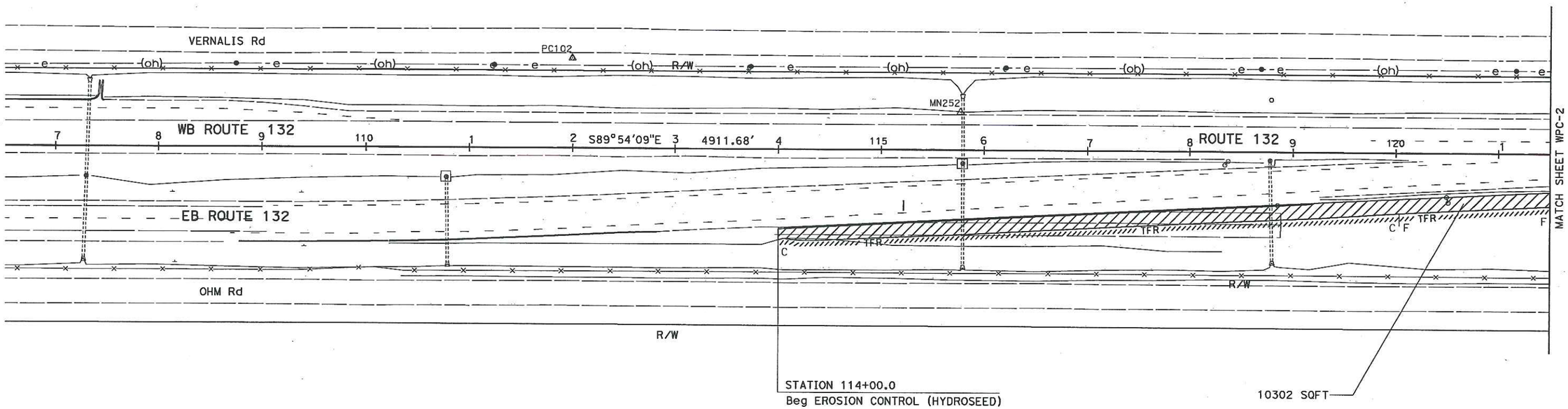
NOTE:

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

LEGEND

- EROSION CONTROL (HYDROSEED)

TFR - TEMPORARY FIBER ROLL



THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL AND EROSION CONTROL WORK ONLY.

TEMPORARY WATER POLLUTION CONTROL AND EROSION CONTROL PLAN

SCALE: 1" = 50'

WPC-1

B.D.	1-31-11
REVISED BY	DATE REVISED
BILL DUTTERA	GUS ESCUTIA
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	ELBERT COX

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

LAST REVISION 1-31-11
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:44

BORDER LAST REVISED 7/2/2010
USERNAME => S123936
DGN FILE => a0s790gb001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1503
PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	8	32

LICENSED LANDSCAPE ARCHITECT

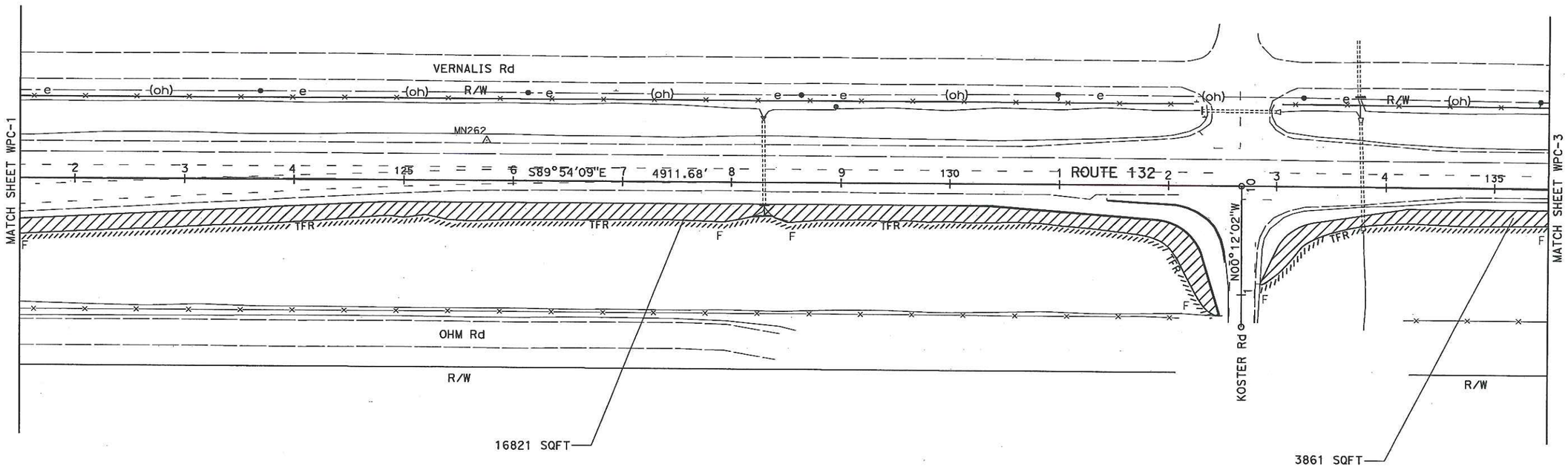
6/13/11
PLANS APPROVAL DATE

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.

LICENSED LANDSCAPE ARCHITECT
William Duttera No. 4212
Signature
9/30/12
Renewal Date
6/8/11
Date
STATE OF CALIFORNIA

NOTE:

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



TEMPORARY WATER POLLUTION CONTROL AND EROSION CONTROL PLAN

SCALE: 1" = 50'

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL AND EROSION CONTROL WORK ONLY.

WPC-2

	REVISED BY	B.D.
	DATE REVISED	1-31-11

CALCULATED-DESIGNED BY: BILL DUTTERA
CHECKED BY: GUS ESCUTIA
SENIOR LANDSCAPE ARCHITECT: ELBERT COX

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 1-31-11
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:44

BORDER LAST REVISED 7/2/2010
USERNAME => S123936
DGN FILE => c0s790gb002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1503
PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	9	32

LICENSED LANDSCAPE ARCHITECT

6/13/11
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.

LICENSED LANDSCAPE ARCHITECT William Duttera No. 4442 Signature 9/30/12 Renewal Date 6/8/11 Date STATE OF CALIFORNIA

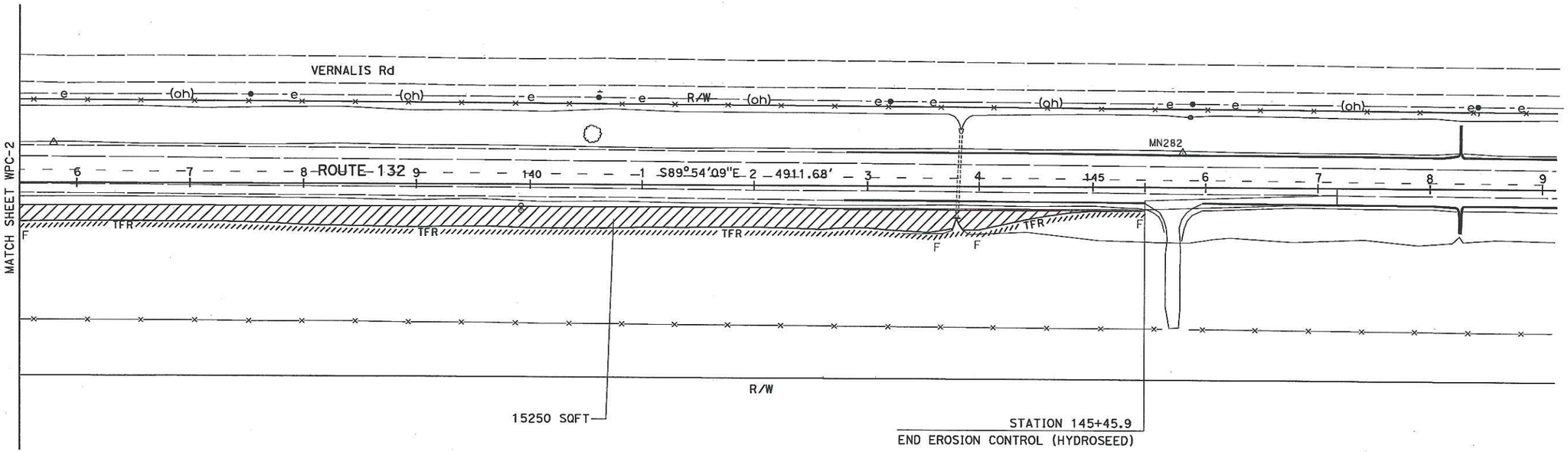
NOTE:

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

EROSION CONTROL (HYDROSEED)

LOCATION STATION TO STATION	SIDE		AREA	STRAW (N)	FIBER (N)	PURE LIVE SEED (N)	ORGANIC FERTILIZER (N)	TACKIFIER (N)
	Rt	Lt	SQFT	TON	LB	LB	LB	LB
114+00.0 TO 121+50.0	X		10302	.47	255.4	9.0	42.6	41.4
121+50.0 TO 132+47.22	X		16821	.77	417.1	14.7	69.5	67.6
132+84.97 TO 135+50.0	X		3861	.18	95.7	3.4	16.0	15.5
135+50.0 TO 145+45.9	X		15250	.70	378.1	13.3	63.0	61.3
TOTAL			46234					

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



TEMPORARY FIBER ROLL

LOCATION SHEET NUMBER	SIDE		LF
	Rt	Lt	
EC-1	X		751
EC-1	X		1417
EC-2	X		999
TOTAL			3167

TEMPORARY WATER POLLUTION CONTROL AND EROSION CONTROL PLAN AND QUANTITIES

SCALE: 1" = 50'

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL AND EROSION CONTROL WORK ONLY.

WPC-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: ELBERT COX
CALCULATED-DESIGNED BY: BILL DUTTERA
CHECKED BY: GUS ESCUTIA
REVISED BY: B.D.
DATE REVISED: 1-31-11

LAST REVISION 1-31-11
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:44

BORDER LAST REVISED 7/2/2010
USERNAME => S123936
DGN FILE => a0s790gb003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1503
PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	10	32

Jose A Huerta 6/8/11
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jose A. Huerta — No. 52380 — Exp. 12/31/12 — CIVIL — STATE OF CALIFORNIA

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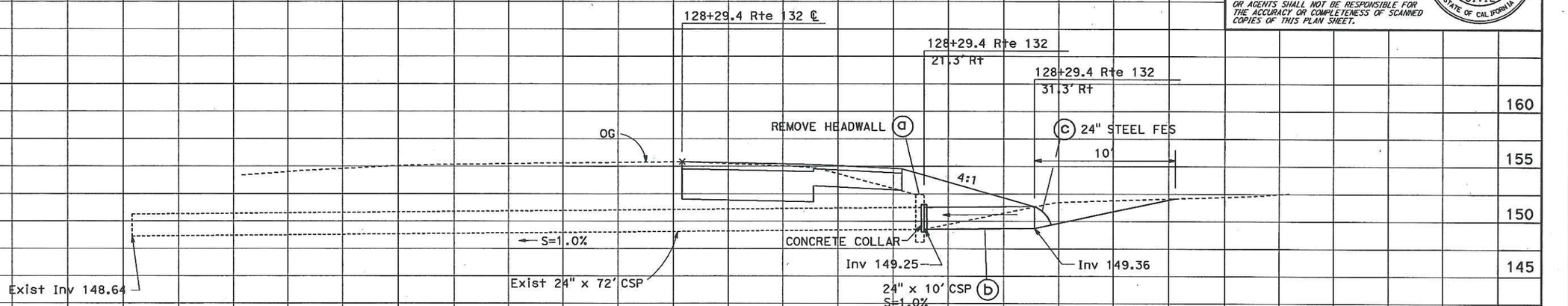
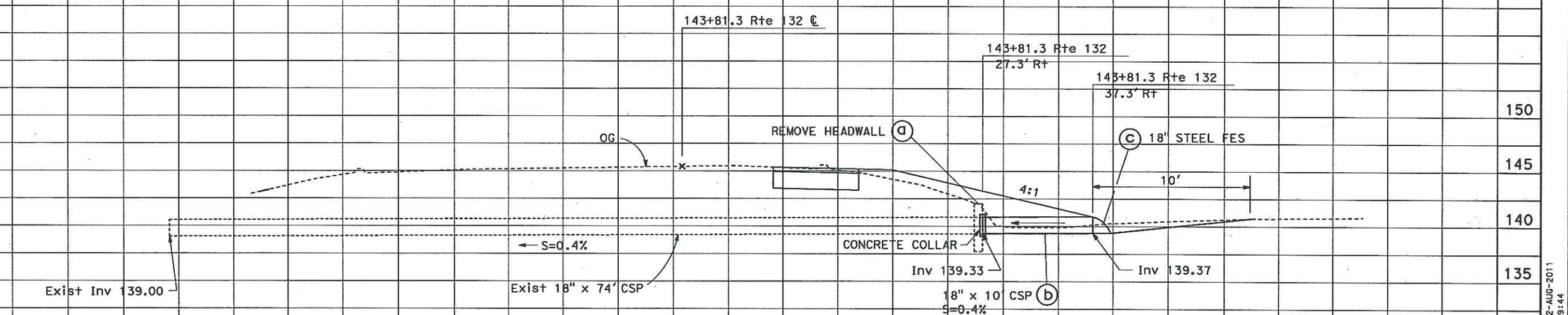


DRAINAGE SYSTEM No. (1)



DRAINAGE SYSTEM No. (2)

DRAINAGE PROFILES

SCALE: Horiz 1" = 5'
Vert 1" = 5'

DP-1

REVISED BY	DATE REVISED
KH	05/16/11

CALCULATED-DESIGNED BY: KENNY HOANG
CHECKED BY: JOSE HUERTA
FUNCTIONAL SUPERVISOR: TERRY OGLE

STATE OF CALIFORNIA -- DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION: DATE PLOTTED => 22-AUG-2011
00-00-00 TIME PLOTTED => 09:44

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790ib001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	11	32

Jose A Huerta 6/8/11
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

Jose A. Huerta No. 52380 Exp. 12/31/12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.

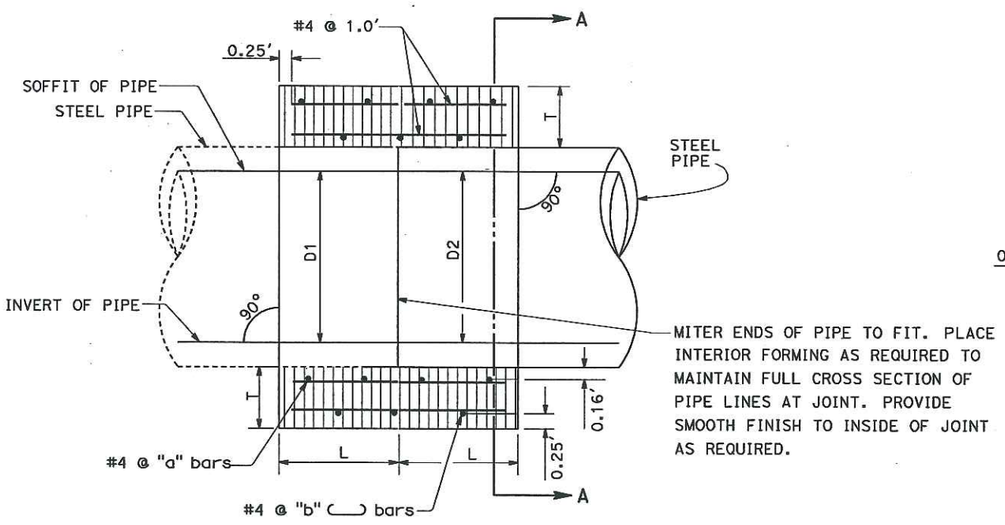
ABBREVIATION

S - STANDARD JOINT TYPE

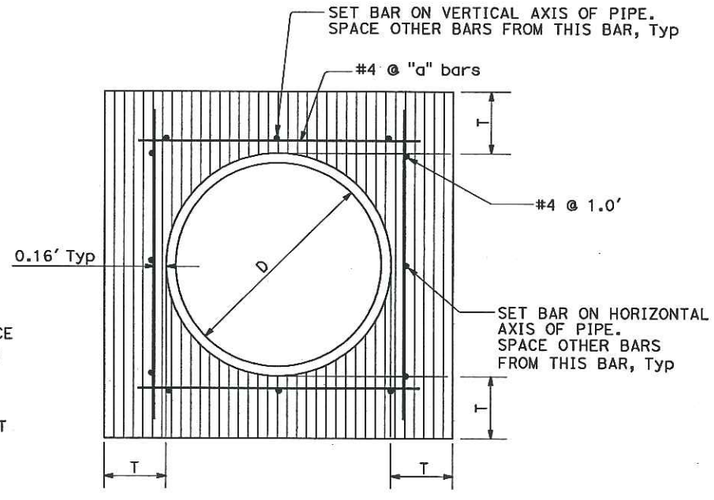
DRAINAGE QUANTITIES

SHEET NUMBER	DRAINAGE SYSTEM No. ⬡	DRAINAGE UNIT ○	18" CORRUGATED STEEL PIPE (0.109" THICK) LF	24" CORRUGATED STEEL PIPE (0.138" THICK) LF	18" STEEL FES EA	24" STEEL FES EA	REMOVE HEADWALL EA	PIPE Jt CLASSIFICATION (N)	DESCRIPTION	LOCATION
L-2	1	a					1		REMOVE HEADWALL	128+29.4 Rte 132, 21.3' Rt
		b		10				S	24" CSP	
		c				1			STEEL FES	128+29.4 Rte 132, 31.3' Rt
L-3	2	a					1		REMOVE HEADWALL	143+81.3 Rte 132, 27.3' Rt
		b	10					S	18" CSP	
		c			1				STEEL FES	143+81.3 Rte 132, 37.3' Rt
TOTAL			10	10	1	1	2			

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



PLAN



SECTION A-A

D	L	T	"a"
18"	1.0'	5"	@12"
24"	1.0'	6"	@12"

CONCRETE COLLAR

DRAINAGE DETAILS AND QUANTITIES

NO SCALE

DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: TERRY OGLE
CALCULATED-DESIGNED BY: KENNY HOANG
CHECKED BY: JOSE HUERTA
REVISED BY: KH
DATE REVISED: 05/16/11

LAST REVISION DATE PLOTTED => 22-AUG-2011
00-00-00 TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010
USERNAME => S123936
DGN FILE => a0s790ic001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	12	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
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
HASSAN M. TAHA
No. 60130
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS	POST SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1	4" x 6"	3
(B)	G20-2	36" x 18"	END ROAD WORK	1	4" x 4"	4
(C)	W20-1	36" x 36"	ROAD WORK AHEAD	1	4" x 6"	2
(E)	CPFIS	90" x 60"	FUNDING SIGN	2	6" x 6"	1

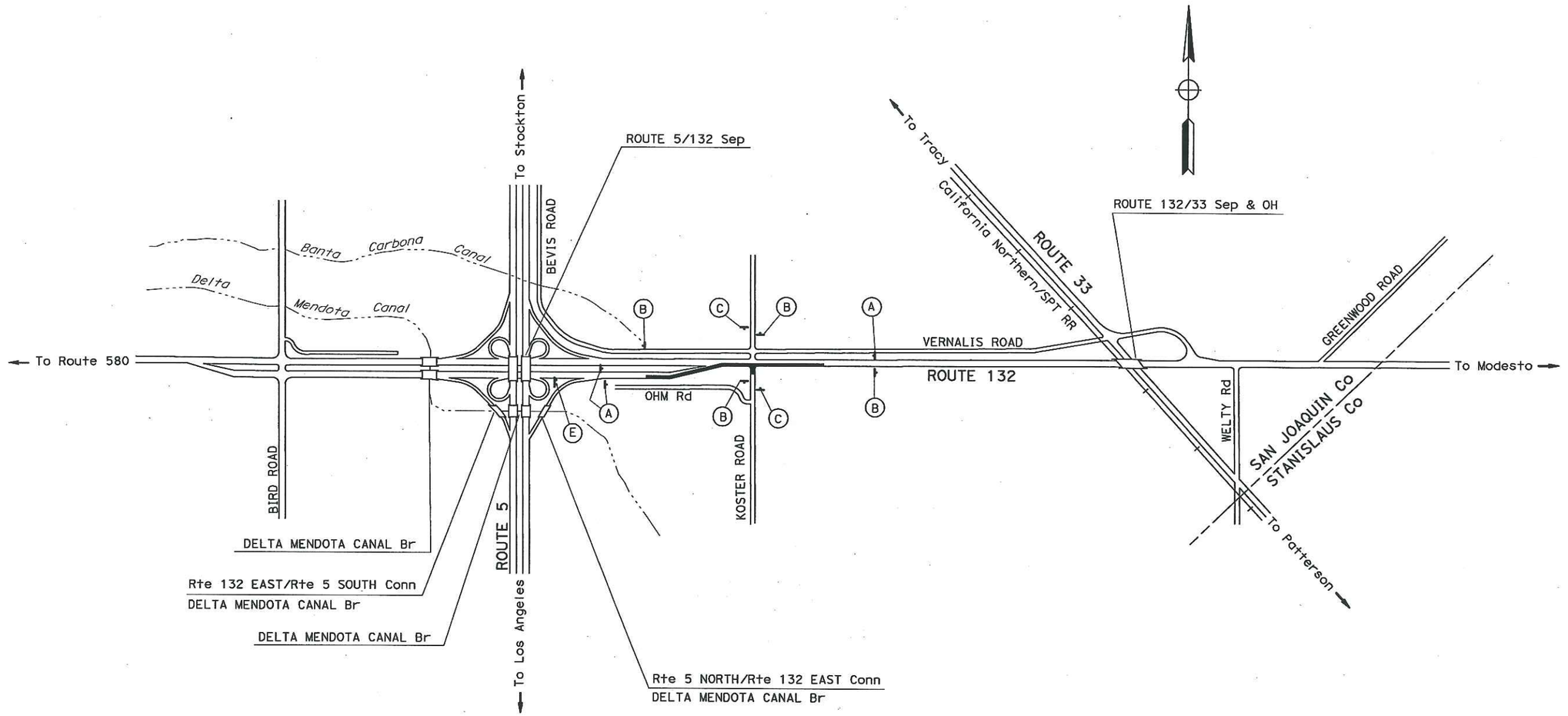
NOTES: 1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. SEE TRAFFIC HANDLING DETAILS AND QUANTITIES FOR MORE CONSTRUCTION AREA SIGNS.

LEGEND:

(A) - CONSTRUCTION AREA SIGN

ABBREVIATION:

CPFIS - CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGN



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

CALCULATED-DESIGNED BY	CECILE NGUYEN	REVISED BY	CN	05/23/11
CHECKED BY	HASSAN TAHA	DATE REVISED		
FUNCTIONAL SUPERVISOR	MOHAMMED QATAMI			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 00-00-00 DATE PLOTTED => 22-AUG-2011 TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 DGN FILE => a0s7901a001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	13	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN M. TAHA
No. 60130
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

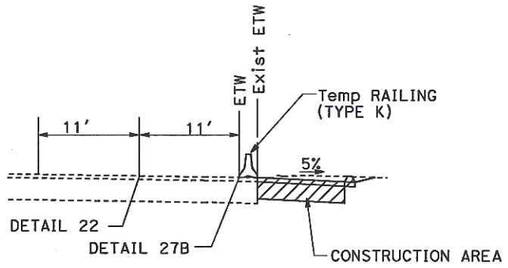
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

LEGEND

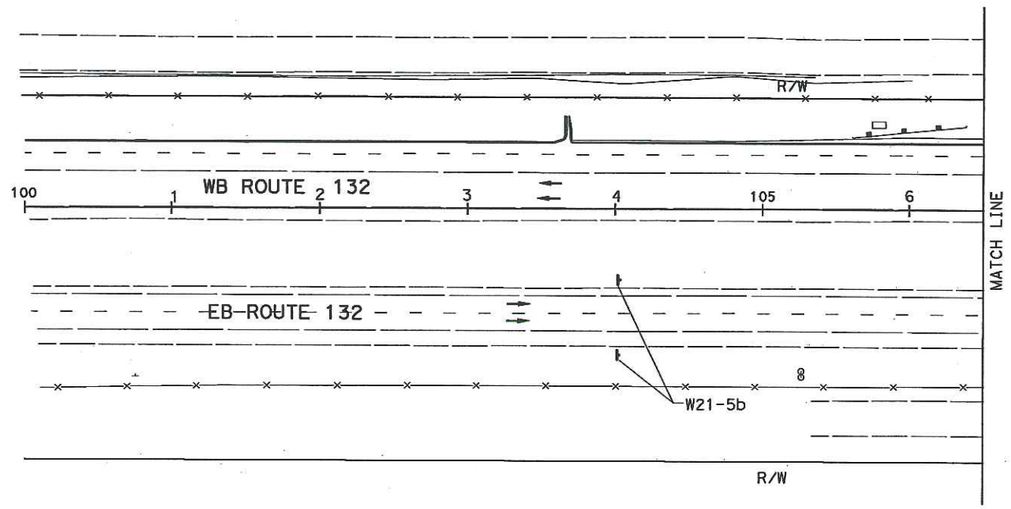
- TEMPORARY RAILING (TYPE K)
- TEMPORARY CRASH CUSHION ARRAY 'TS14'
- DIRECTION OF TRAFFIC
- CHANNELIZER (SURFACE MOUNTED)
- TEMPORARY TRAFFIC STRIPE (PAINT)
- REMOVE THERMOPLASTIC TRAFFIC STRIPE
- WIDENING

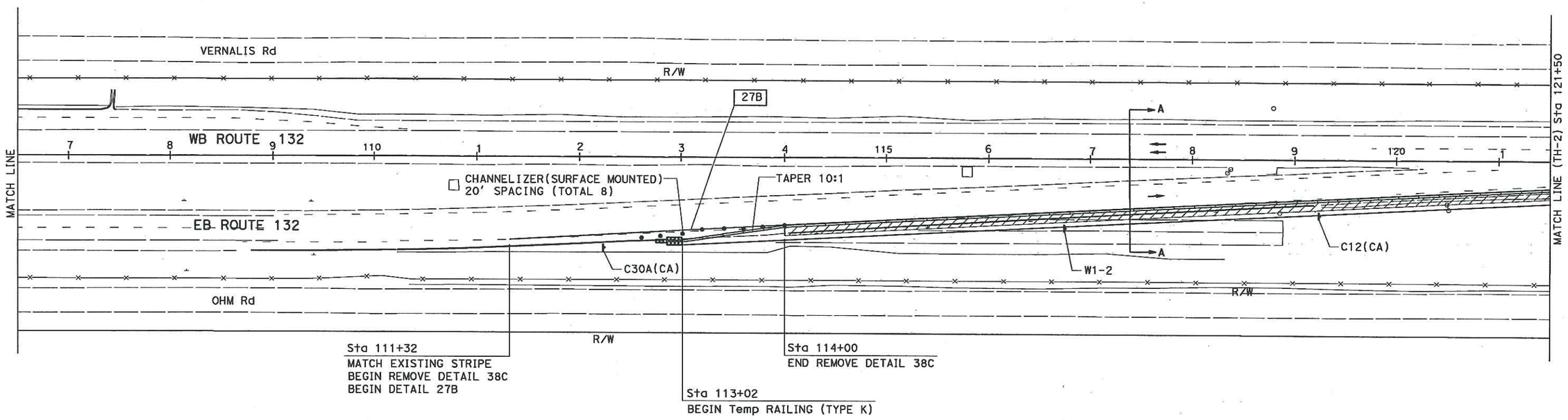


Sta 114+00 to Sta 124+83 Rte 132

SECTION A-A

NO SCALE





THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN

SCALE: 1" = 50'

TH-1

REVISED BY	DATE REVISED
CN	05/23/11

CALCULATED-DESIGNED BY: CECILE NGUYEN
CHECKED BY: HASSAN TAHA
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790md001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

NOTE:

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

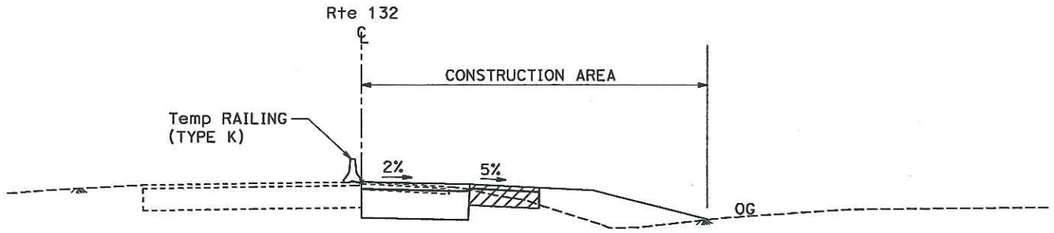
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	14	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

HASSAN M.TAHA No. 60130 Exp 6/30/12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

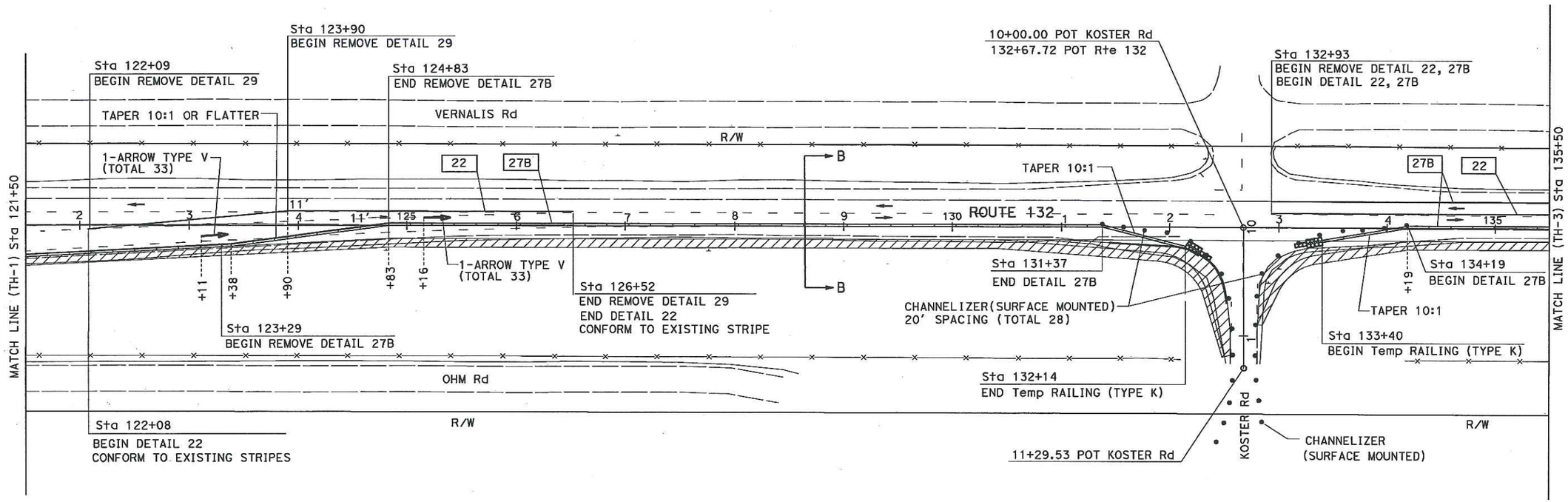
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



Sta 122+31.3 TO Sta 145+83 Rte 132

SECTION B-B

NO SCALE



THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN

SCALE: 1" = 50'

TH-2

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
CECILE NGUYEN	HASSAN TAHA	CN	05/23/11

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

LAST REVISION 00-00-00 DATE PLOTTED => 22-AUG-2011 TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 DGN FILE => a0s790md002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

NOTE:

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

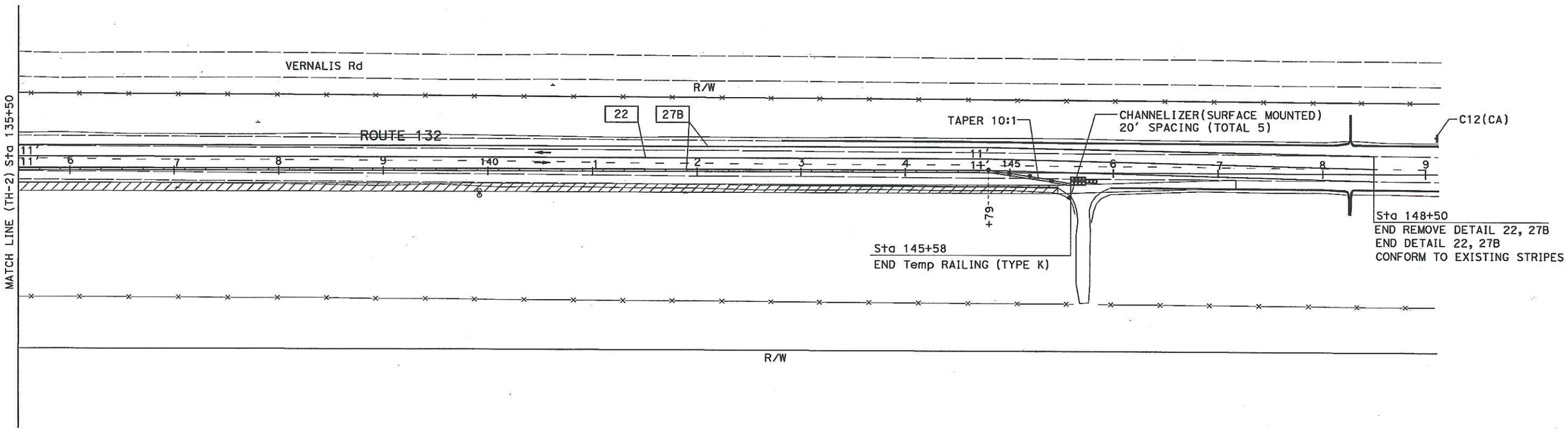
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	15	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN M. TAHA
No. 60130
Exp 6/30/12
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.



THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN

SCALE: 1" = 50'

TH-3

CALCULATED-DESIGNED BY	CECILE NGUYEN	REVISED BY	CN
CHECKED BY	HASSAN TAHA	DATE REVISED	05/23/11

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-AUG-2011 | TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790md003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	16	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN M.TAHA No. 60130 Exp. 6/30/12 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.

TEMPORARY PAVEMENT DELINEATION ITEMS

SHEET No.	LOCATION	DETAIL No.	TEMPORARY TRAFFIC STRIPE (PAINT) 4" SOLID WHITE	TEMPORARY TRAFFIC STRIPE (PAINT) 4" SOLID YELLOW	TEMPORARY PAVEMENT MARKER TYPE D	TEMPORARY PAVEMENT MARKING (PAINT) ARROW TYPE V	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER
			LF	LF	EA	SQFT	LF	LF	EA
TH-1	Sta 111+32 TO Sta 121+50	27B	1018					536	181
TH-2	Sta 121+50 To Sta 131+37	27B	987			66	1924	257	56
	Sta 122+08 TO Sta 126+52	22		444	39				
	Sta 132+93 TO Sta 135+50	22		257	23				
	Sta 134+19 TO Sta 135+50	27B	131						
	Sta 132+93 TO Sta 135+50	27B	257						
TH-3	Sta 135+50 TO Sta 148+50	27B, 22	2600	1300	110		2600	1618	110
SUBTOTAL			4993	2001		66			
TOTAL			6994		172	66	4524*	2411*	347*

* QUANTITY TOTALED IN PDQ-1

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (TRAFFIC HANDLING)

SHEET No.	SIGN TYPE	SIGN MESSAGE	SIGN PANEL	No. OF POST AND SIZE	No. OF SIGNS
					EA
TH-1	W21-5b	RIGHT SHOULDER CLOSED 1000'	48" x 48"	1- 6" x 6"	2
	C30A (CA)	SHOULDER CLOSED	48" x 48"	1- 6" x 6"	1
	W1-2	CURVE	48" x 48"	1- 6" x 6"	1
	C12(CA)	NARROW LANE	48" x 48"	1- 6" x 6"	1
TH-3	C12(CA)	NARROW LANE	48" x 48"	1- 6" x 6"	1

NOTES: 1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. SEE CONSTRUCTION AREA SIGNS FOR MORE SIGNS.

TEMPORARY RAILING (TYPE K)

SHEET No.	LOCATION	LF
TH-1	Sta 113+02 TO Sta 121+50	840
TH-2	Sta 121+50 TO Sta 132+14	1060
	Sta 133+40 TO Sta 135+50	220
TH-3	Sta 135+50 TO Sta 145+58	1000
TOTAL		3120

CHANNELIZER (SURFACE MOUNTED)

SHEET No.	EA
TH-1	8
TH-2	28
TH-3	5
TOTAL	41

TEMPORARY CRASH CUSHION MODULE (ARRAY"TS14")

SHEET No.	EA
TH-1	14
TH-2	14
	14
TH-3	14
TOTAL	56

TRAFFIC HANDLING QUANTITIES
THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: CECILE NGUYEN
CHECKED BY: HASSAN TAHA
REVISED BY: CN
DATE REVISED: 05/23/11

LAST REVISION 00-00-00
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	17	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

HASSAN M. TAHA No. 60130 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA — REGISTERED PROFESSIONAL ENGINEER

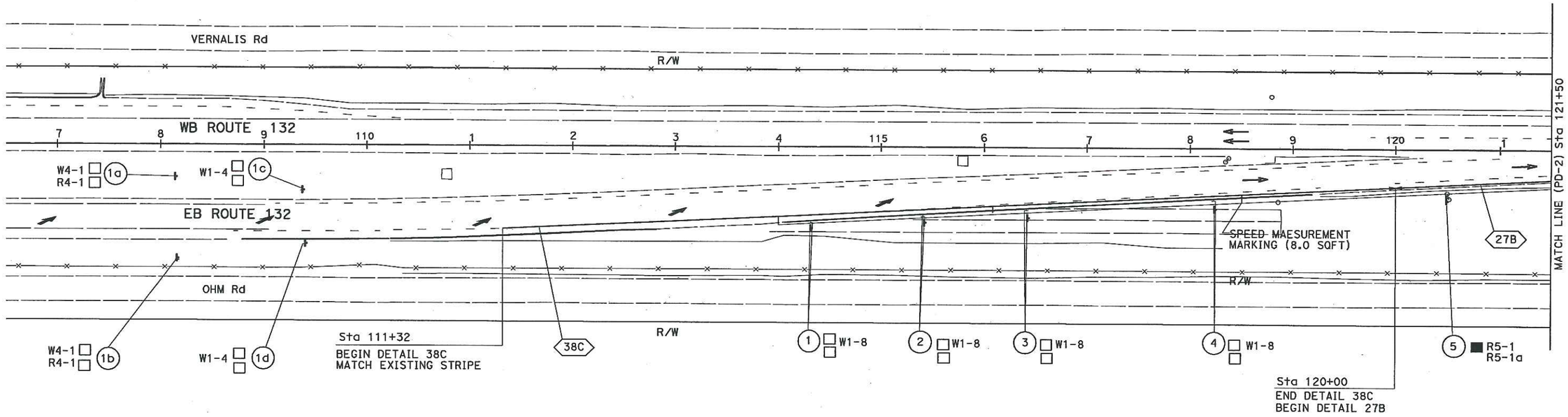
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

LEGEND

- XX — THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)
- No. — ROADSIDE SIGN NUMBER
- ■ — RESET ROADSIDE SIGN
- □ — REMOVE ROADSIDE SIGN
- □ — ROADSIDE SIGN ONE POST AND TWO POST
- TYPE VI ARROWS
- TYPE V ARROW
- DELINEATOR (TYPE E, F)
- TYPE III (L) ARROW
- CHANGE OF STRIPPING DETAIL



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY.

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50′ **PD-1**

REVISED BY	DATE REVISED
CN	05/23/11

CALCULATED-DESIGNED BY: CECILE NGUYEN
CHECKED BY: HASSAN TAHA
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 00-00-00 DATE PLOTTED => 22-AUG-2011 TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790na001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

NOTE:

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

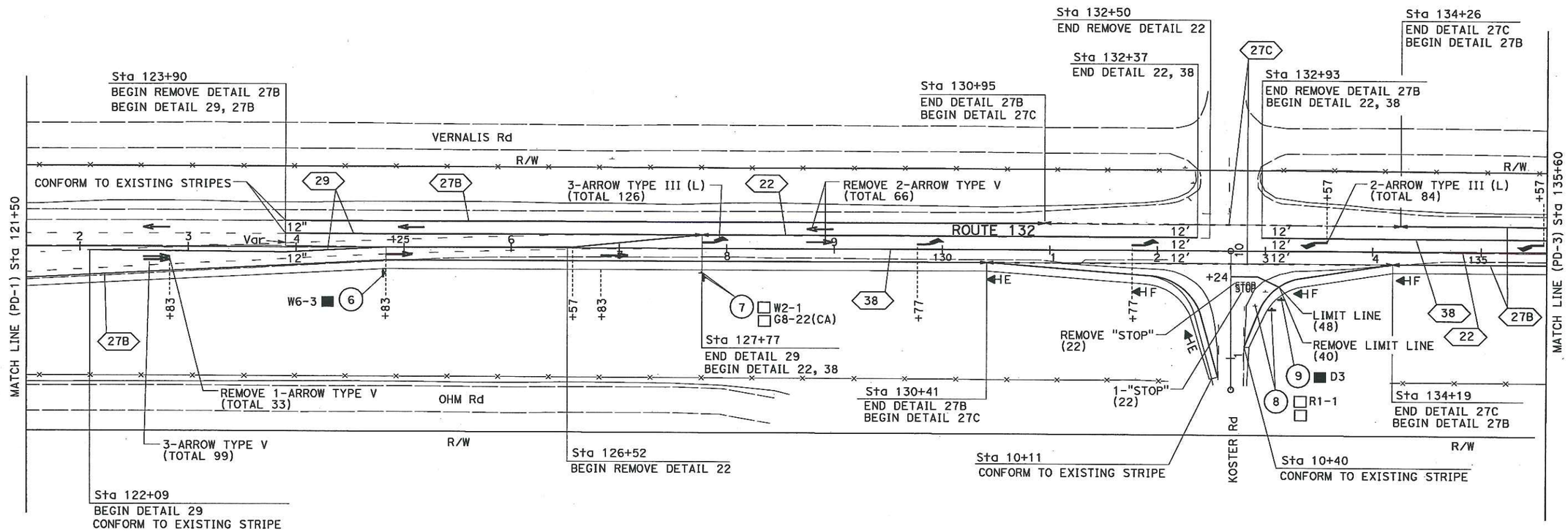
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	18	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN M. TAHA
No. 60130
Exp. 6/30/12
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.



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY.

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-2

CALCULATED-DESIGNED BY	CECILE NGUYEN	
CHECKED BY	HASSAN TAHA	
FUNCTIONAL SUPERVISOR	MOHAMMED QATAMI	
REVISED BY	CN	05/23/11
DATE REVISED		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 22-AUG-2011
TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790na002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

NOTE:

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

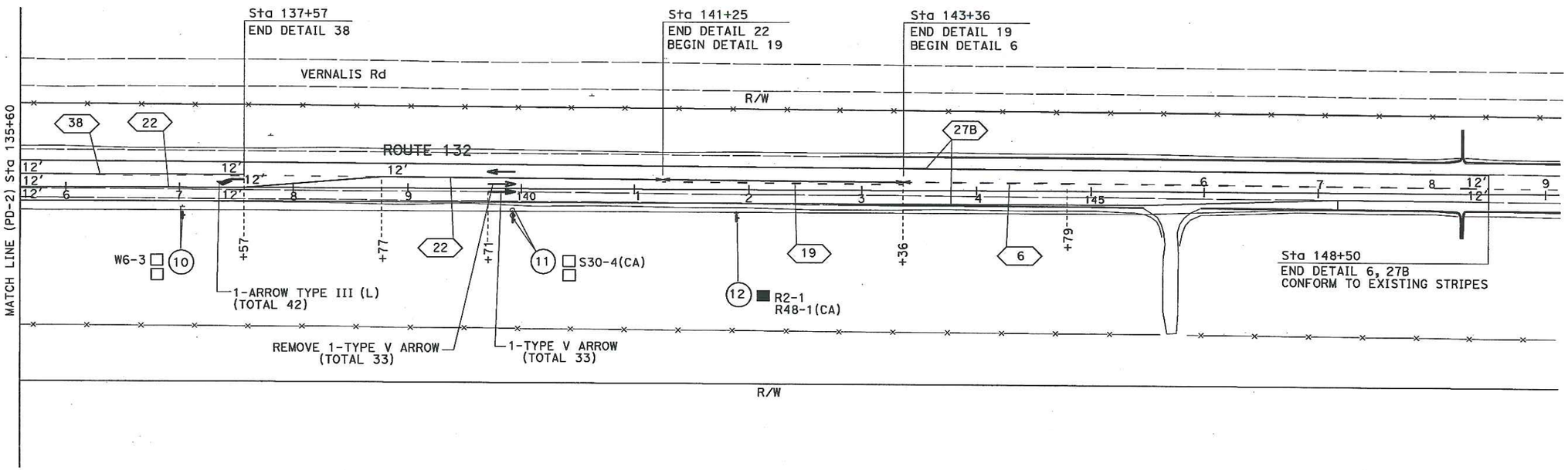
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	19	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
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
HASSAN M. TAHA
No. 60130
Exp 6/30/12
CIVIL
STATE OF CALIFORNIA



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY.

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-3

	REVISED BY	CN
	DATE REVISED	05/23/11

CALCULATED-DESIGNED BY: CECILE NGUYEN
CHECKED BY: HASSAN TAHA
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-AUG-2011 | TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 | DGN FILE => a0s790na003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	20	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

HASSAN M. TAHA No. 60130 Exp. 6/30/12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.

PAVEMENT DELINEATION ITEMS

SHEET No.	LOCATION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)								PAVEMENT MARKER				THERMOPLASTIC PAVEMENT MARKING					DELINEATOR (CLASS 1)		REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER
		DETAIL 6	DETAIL 19	DETAIL 22	DETAIL 27C	DETAIL 27B	DETAIL 29	DETAIL 38	DETAIL 38C	RETRO REFLECTIVE TYPE D	RETRO REFLECTIVE TYPE G	RETRO REFLECTIVE TYPE H	NON-REFLECTIVE TYPE A	LIMIT LINE	STOP	TYPE III (L) ARROW	TYPE V ARROW	SPEED MEASUREMENT MARKING	TYPE F	TYPE E				
		4" BROKEN YELLOW	4" SOLID BROKEN YELLOW	4" SOLID YELLOW	4" BROKEN WHITE	4" SOLID WHITE	4" DOUBLE SOLID YELLOW	8" SOLID WHITE	8" SOLID WHITE															
		LF								EA				SQFT					EA		LF	LF	SQFT	EA
PD-1	Sta 111+32 TO Sta 120+00								868		74		362											
	Sta 120+00 TO Sta 121+50					150												8						
PD-2	Sta 121+50 TO Sta 135+60				709	1871								48	22	210	99		3	2			126	
	KOSTER ROAD					452																		
	Sta 122+09 TO Sta 127+77						955			42														
	Sta 127+77 TO Sta 135+60			460				460		40	20													
PD-3	Sta 135+60 TO Sta 148+50					2580																		
	Sta 135+60 TO Sta 137+57							197			9													
	Sta 135+60 TO Sta 141+25			565						49						42	33						33	
	Sta 141+25 TO Sta 143+36		211							5		10												
	Sta 143+36 TO Sta 148+50	514								12														
SUBTOTAL		514	211	1025	709	5053	955	657	868	148	103	10	362	48	22	252	132	8	3	2			159	
TOTAL THIS SHEET		9992								261			362	462					5				159	
TOTAL FROM THQ-1																					2411	4524		347
TOTAL		9992								261			362	462					5		2411	4524	159	347

PAVEMENT DELINEATION QUANTITIES
PDQ-1

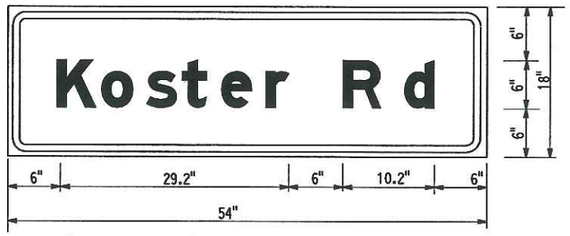
REVISED BY	DATE REVISED
CN	05/23/11

CALCULATED-DESIGNED BY: CECILE NGUYEN
CHECKED BY: HASSAN TAHA
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 00-00-00 DATE PLOTTED => 22-AUG-2011 TIME PLOTTED => 09:45

BORDER LAST REVISED 7/1/2010 | USERNAME => S123936 DGN FILE => a0s790nc001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 10000002621



3" RADIUS, 01." BORDER, YELLOW ON BLACK;
"Koster Rd" E Mod

SIGN No. 7 G8-22(CA)Spec

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	132	3.9/4.5	21	32

Hassan Taha 04-30-10
REGISTERED CIVIL ENGINEER DATE

6/13/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — HASSAN M. TAHA No. 60130 Exp. 6/30/12 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.

ROADSIDE SIGN ITEMS

SHEET No.	SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (L X D)	POST SIZE	REMOVE ROADSIDE SIGN	RESET ROADSIDE SIGN	ROADSIDE SIGN ONE-POST	ROADSIDE SIGN TWO-POST	SIGN MATERIALS: FURNISH SINGLE SHEET ALUMINUM SIGN 0.063" - UNFRAMED	SIGN MATERIALS: FURNISH SINGLE SHEET ALUMINUM SIGN 0.080" - UNFRAMED	SIGN MATERIALS: SINGLE FACED	SIGN MATERIALS: BACKGROUND SHEETING COLOR	SIGN MATERIALS: BACKGROUND RETROFLECTIVE ASTM TYPE	SIGN MATERIALS: LEGEND SHEETING COLOR	SIGN MATERIALS: LEGEND RETROFLECTIVE ASTM TYPE	SIGN MATERIALS: GRAFFITI FILM STANDARD	SIGN MATERIALS: GRAFFITI FILM PREMIUM
						EA	EA	EA	EA	SQFT								
PD-1	(1a)	W4-2 (CA)	LANE END	36" x 36"	4" x 6"	1		1		9.0		x	YELLOW	VII	BLACK			
		R4-1	DO NOT PASS	24" x 30"						5.0			WHITE	III	BLACK			x
	(1b)	W4-2 (CA)	LANE END	36" x 36"	4" x 6"	1		1		9.0		x	YELLOW	VII	BLACK			
		R4-1	DO NOT PASS	24" x 30"						5.0			WHITE	III	BLACK			x
	(1c)	W1-4	REVERSE CURVE	36" x 36"	4" x 6"	1		1		9.0		x	YELLOW	VII	BLACK			x
	(1d)	W1-4	REVERSE CURVE	36" x 36"	4" x 6"	1		1		9.0		x	YELLOW	VII	BLACK			x
	(1)	W1-8	CHEVRON ALIGNMENT	30" x 36"	4" x 4"	1		1		7.5		x	YELLOW	VII	BLACK			x
	(2)	W1-8	CHEVRON ALIGNMENT	30" x 36"	4" x 4"	1		1		7.5		x	YELLOW	VII	BLACK			x
	(3)	W1-8	CHEVRON ALIGNMENT	30" x 36"	4" x 4"	1		1		7.5		x	YELLOW	VII	BLACK			x
	(4)	W1-8	CHEVRON ALIGNMENT	30" x 36"	4" x 4"	1		1		7.5		x	YELLOW	VII	BLACK			x
	(5)	R5-1	DO NOT ENTER				1											
		R5-1a	WRONG WAY															
PD-2	(6)	W6-3	TWO-WAY TRAFFIC				1											
	(7)	W2-1	CROSS ROAD	36" x 36"	4" x 6"	1		1		9.0		x	YELLOW	VII	BLACK			
		G8-22(CA)Spec	KOSTER ROAD	54" x 18"							6.75		YELLOW	VII	BLACK			x
	(8)	R1-1	STOP	36" x 36"	4" x 6"	1		1		9.0		x						
	(9)	D3	STREET NAME				1											
PD-3	(10)	W6-3	TWO-WAY TRAFFIC	36" x 36"	4" x 6"		1	1				x	YELLOW	VII	BLACK			x
	(11)	S30-4(CA)	TURN ON HEAD LIGHTS	48" x 42"	4" x 6"	1			1		14.0	x	WHITE	III	BLACK			x
	(12)	R2-1	SPEED LIMIT 55															
		R48-1(CA)	RADAR ENFORCED				1											
SUBTOTAL						11	5	11	1									
TOTAL						11	5	11	1	71.0	20.75							

L= LENGTH OF SIGN
D = DEPTH OF SIGN
NOTE: CALIFORNIA SIGN CODE ARE DESIGNATED BY (CA). OTHERWISE, FEDERAL SIGN CODES ARE SHOWN.

SIGN QUANTITIES
SQ-1

REVISED BY	DATE REVISED
CN	7/7/10

CALCULATED-DESIGNED BY: CECILE NGUYEN
CHECKED BY: HASSAN TAHA
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-AUG-2011 | TIME PLOTTED => 09:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	22	32

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

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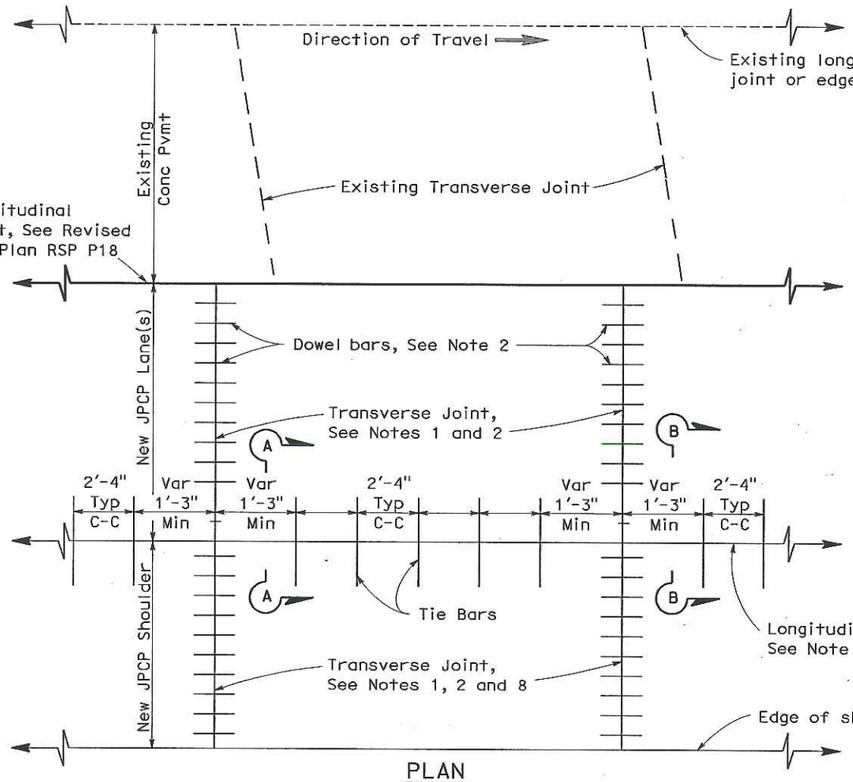
REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

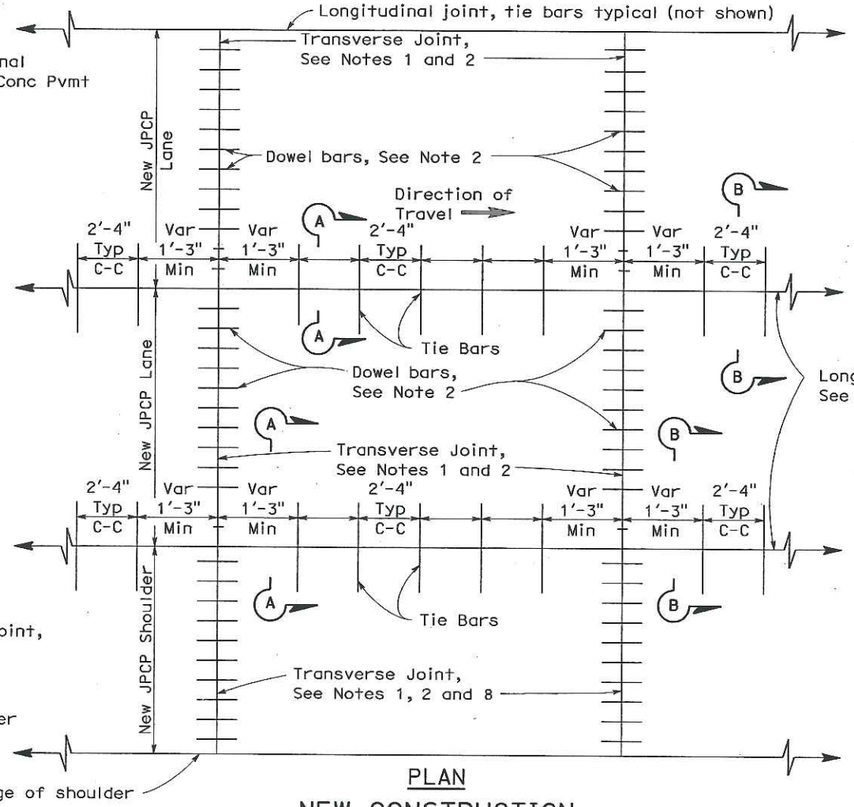
To accompany plans dated 6/13/11



PLAN

LANE/SHOULDER ADDITION OR RECONSTRUCTION

See Notes 6 and 7



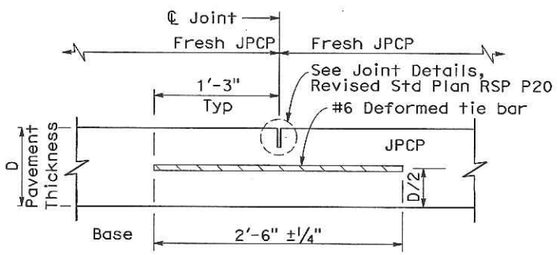
PLAN

NEW CONSTRUCTION

See Notes 6 and 7

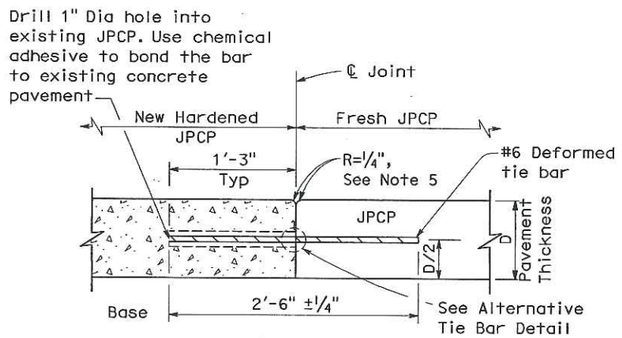
NOTES:

1. Transverse joints shall be constructed at right angles to the longitudinal pavement joints in new jointed plain concrete pavement and spaced at successive repeated intervals of 12', 15', 13' and 14'.
2. For transverse joint and dowel bar details not shown, See Revised Standard Plan RSP P10.
3. Construct longitudinal contraction joints as shown in Section A-A when more than one lane or shoulder widths are placed at one time. If constructing one lane at a time, use longitudinal construction joint, as shown in Section B-B.
4. For additional longitudinal joint details, see Revised Standard Plan RSP P18.
5. If fresh concrete is placed adjacent to existing concrete, the top corner of the new hardened concrete does not need to be rounded to the 1/4" radius as shown.
6. Joint spacing patterns do not apply to intersections.
7. Details can also apply to inside widening.
8. Dowel bars may be omitted from shoulders when the shoulder cross slope is not the same as the adjacent traffic lane.



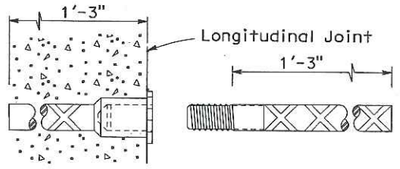
SECTION A-A

LONGITUDINAL CONTRACTION JOINT



SECTION B-B

LONGITUDINAL CONSTRUCTION JOINT



ALTERNATIVE TIE BAR SPLICE DETAIL

(Splice Coupler)

TIE BAR DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

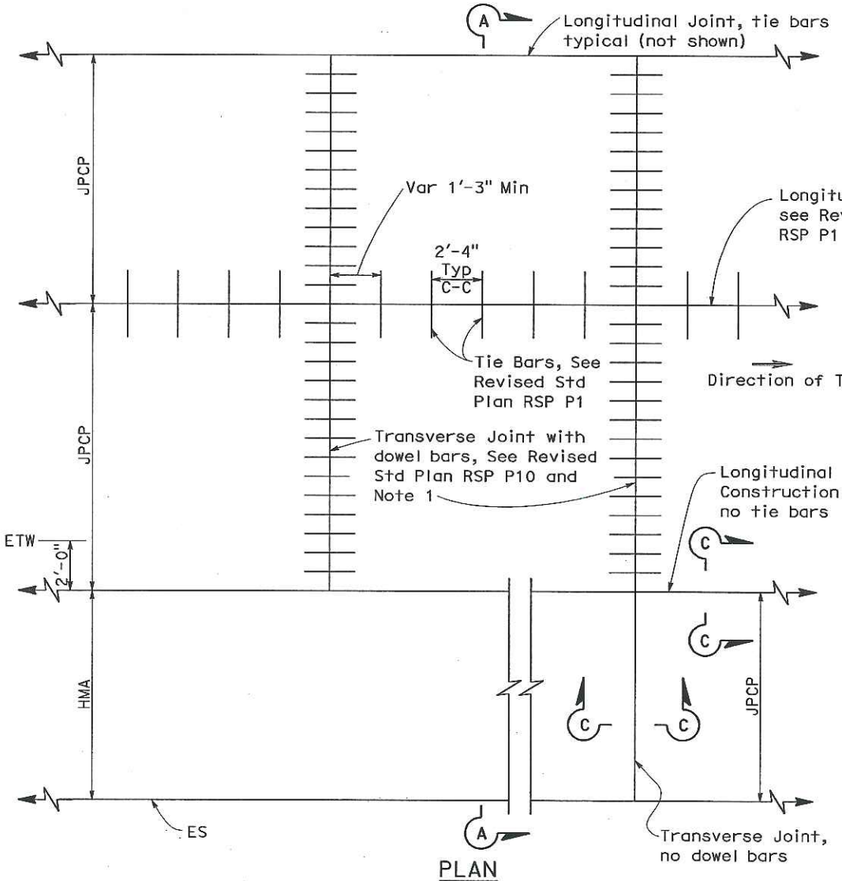
JOINTED PLAIN CONCRETE PAVEMENT

NO SCALE

RSP P1 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P1
DATED MAY 1, 2006 - PAGE 119 OF THE STANDARD PLANS BOOK DATED MAY 2006.

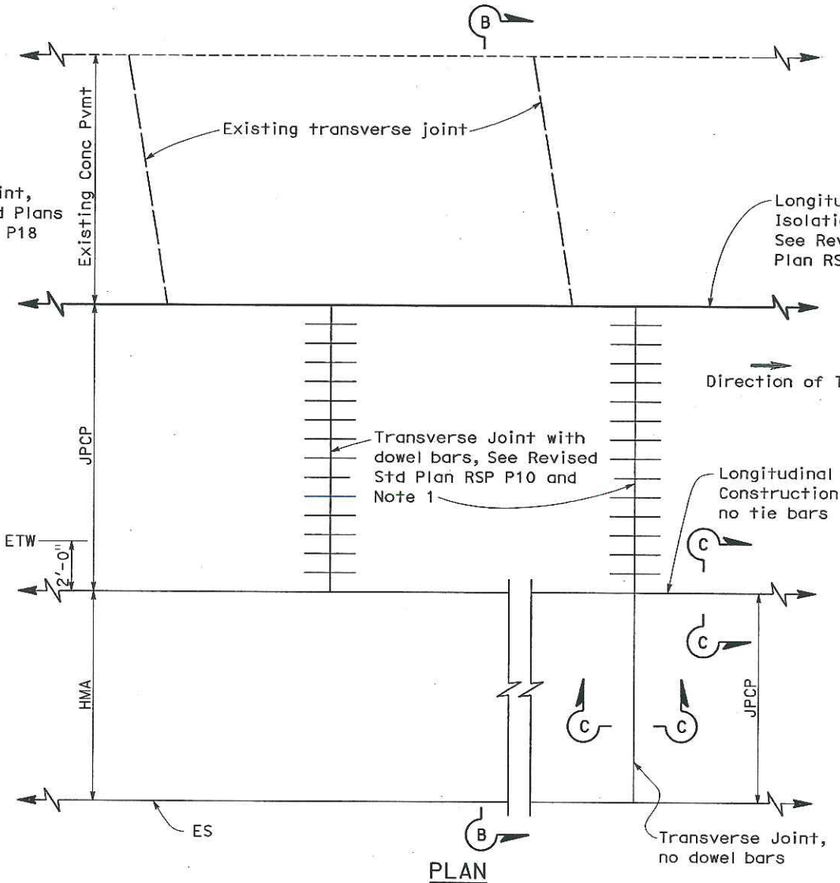
REVISED STANDARD PLAN RSP P1

5-8-09



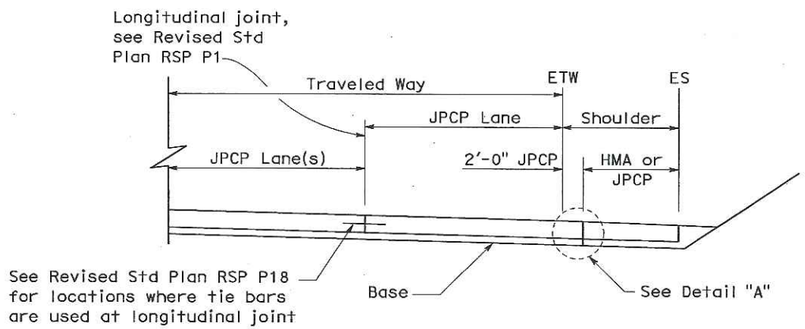
PLAN

NEW CONSTRUCTION

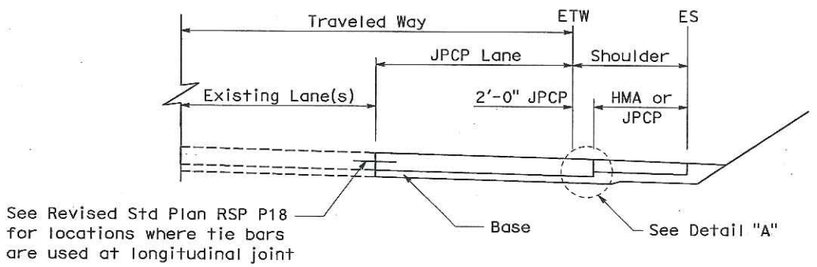


PLAN

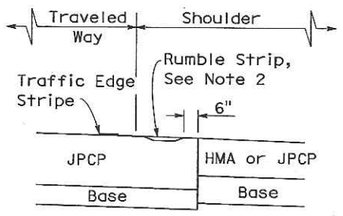
LANE/SHOULDER ADDITION OR RECONSTRUCTION



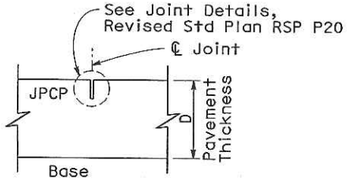
SECTION A-A



SECTION B-B



DETAIL "A"



SECTION C-C

TRANSVERSE/LONGITUDINAL JOINT

(no dowel bars/tie bars)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	23	32

William K. Farnbach
REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 6/13/11

NOTES:

1. Transverse joints shall be constructed at right angles to the longitudinal pavement joints in new Jointed Plain Concrete Pavement and spaced at successive repeated intervals of 12', 15', 13' and 14'.
2. For locations of rumble strips, see project plans. For rumble strip details not shown, see Standard Plans A40A and A40B.
3. Joint spacing patterns do not apply to intersections.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT-WIDENED SLAB DETAILS

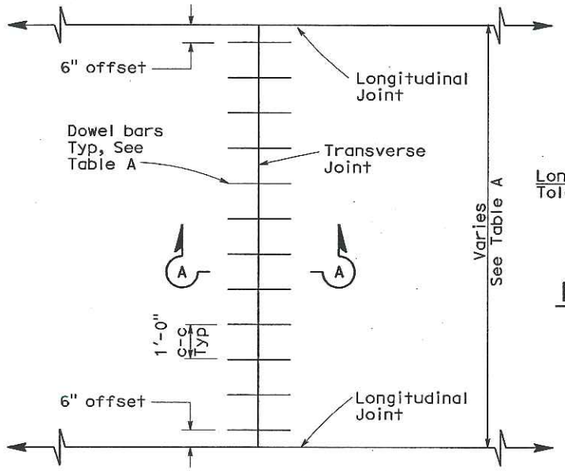
NO SCALE

RSP P2 DATED JUNE 5, 2009 SUPERCEDES STANDARD PLAN P2
DATED MAY 1, 2006 - PAGE 120 OF THE STANDARD PLANS BOOK DATED MAY 2006.

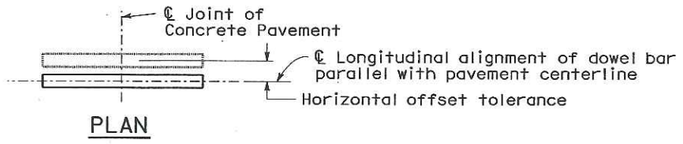
REVISED STANDARD PLAN RSP P2

2006 REVISED STANDARD PLAN RSP P2

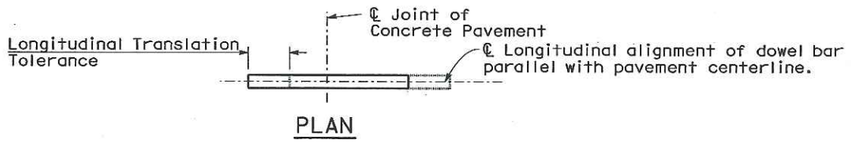
5-19-09



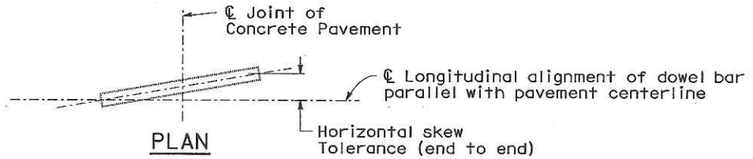
TRANSVERSE JOINT DOWEL BAR LAYOUT



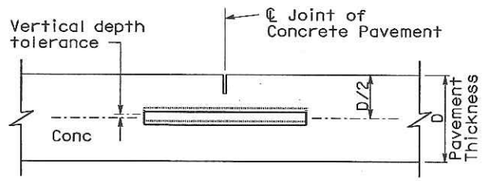
HORIZONTAL OFFSET TOLERANCE



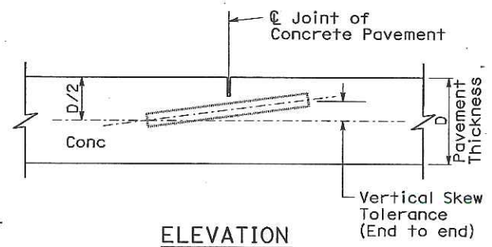
LONGITUDINAL TRANSLATION TOLERANCE



HORIZONTAL SKEW TOLERANCE



VERTICAL DEPTH TOLERANCE



VERTICAL SKEW TOLERANCE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	24	32

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

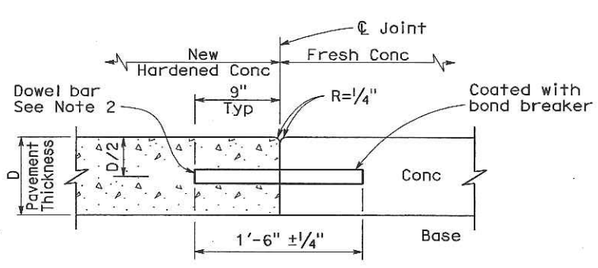
REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

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 6/13/11

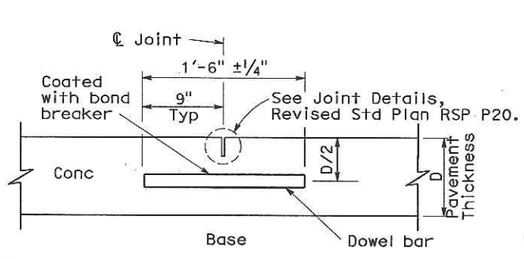
NOTES:

1. See Revised Standard Plan RSP P1 for typical dowel bar placement and locations.
2. 1½" Dia smooth dowel bars are to be used with a pavement thickness, D, equal to or greater than 0.70 feet. For pavement thickness, D, less than 0.70 feet, use 1¼" Dia smooth dowel bars.
3. For widths not shown, see Project Plans.
4. If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the ¼" radius, as shown.

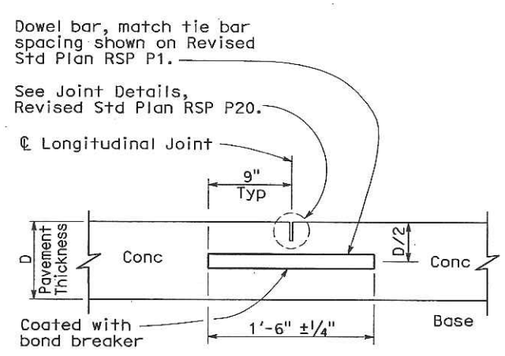


SECTION A-A

TRANSVERSE CONSTRUCTION JOINT DETAIL



TRANSVERSE CONTRACTION JOINT

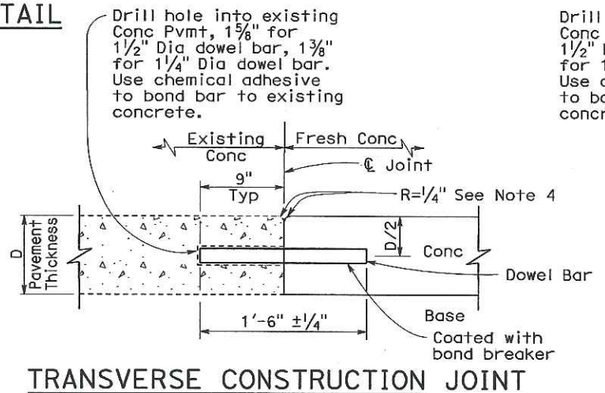


LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)

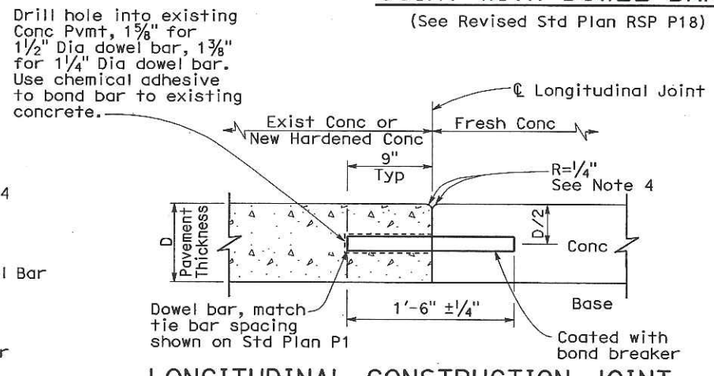
TABLE A (See Note 3)

Dowel Bar Transverse Spacing Table	
Width between Longitudinal Joints	Number of Dowels between Longitudinal Joints
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4



TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT

(Drill and bond locations)



LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-DOWEL BAR DETAILS

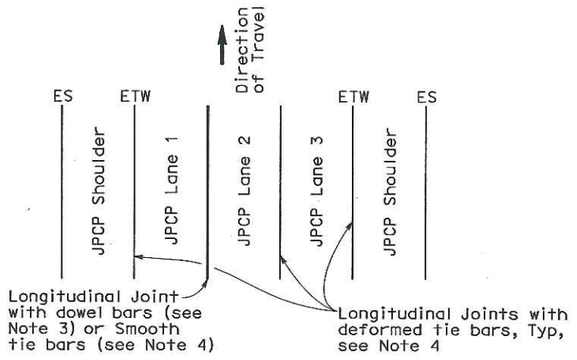
NO SCALE

RSP P10 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P10 DATED MAY 1, 2006 - PAGE 124 OF THE STANDARD PLANS BOOK DATED MAY 2006.

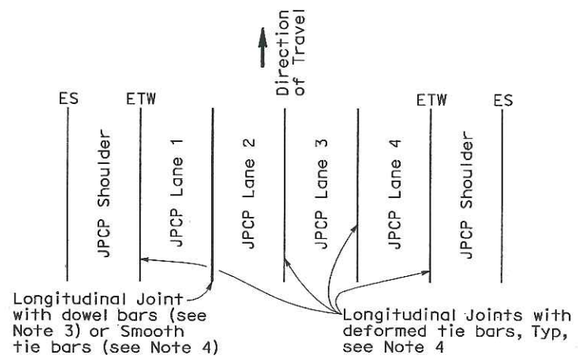
REVISED STANDARD PLAN RSP P10

2006 REVISED STANDARD PLAN RSP P10

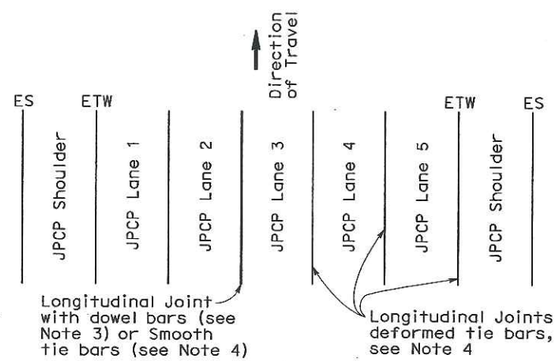
5-8-09



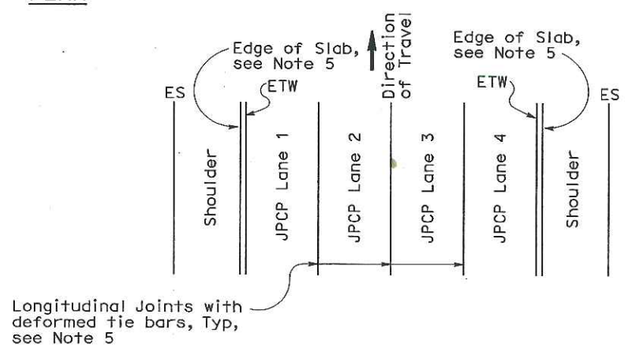
3 LANES WITH TIED CONCRETE SHOULDERS
PLAN



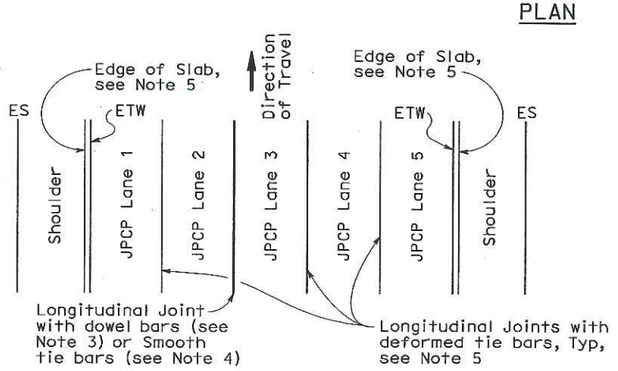
4 LANES WITH TIED CONCRETE SHOULDERS
PLAN



5 LANES WITH TIED CONCRETE SHOULDERS
PLAN



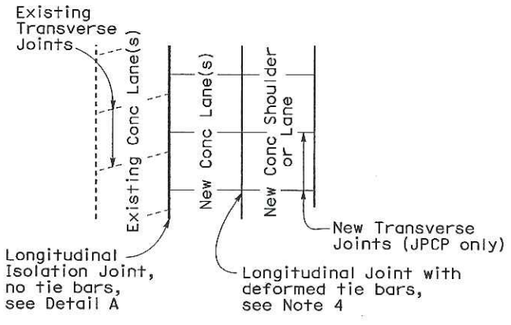
4 LANES OR LESS WITH WIDENED SLAB
PLAN



5 LANES WITH WIDENED SLAB
PLAN

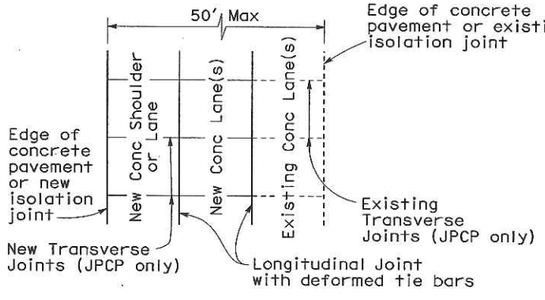
NEW CONSTRUCTION

Location of Longitudinal Joints
(For JPCP)



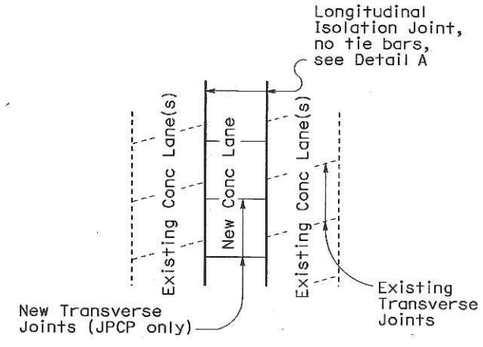
CASE 1
PLAN

Transverse Joints do not align between new and existing



CASE 2
PLAN

Transverse Joints align between new and existing

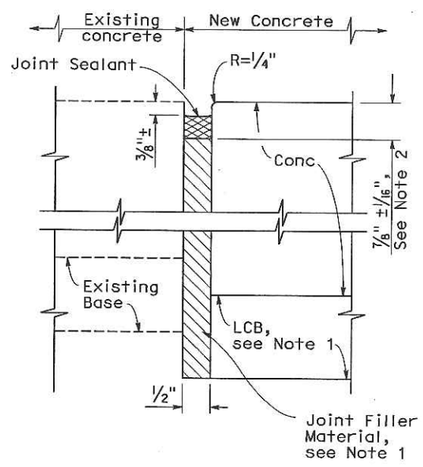


CASE 3 (INTERIOR LANE REPLACEMENT)
PLAN

Transverse Joints do not align between new and existing

LANE/SHOULDER ADDITION OR RECONSTRUCTION

(For JPCP and CRCP)



DETAIL A

ISOLATION JOINT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	25	32

William K. Farnbach
REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

To accompany plans dated 6/13/11

NOTES:

1. Where Lean Concrete Base is not used as base material, the joint filler material used for the longitudinal isolation joint shall only extend to the bottom of the new concrete slab. See Detail A.
2. Use 5/8" ±1/16" dimension for silicone sealant.
3. See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
4. See Revised Standard Plan RSP P1.
5. See Revised Standard Plan RSP P2.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-LANE SCHEMATICS AND ISOLATION JOINT DETAIL

NO SCALE

RSP P18 DATED JUNE 5, 2009 SUPERSEDES RSP P18 DATED MAY 15, 2009, RSP P18 DATED NOVEMBER 17, 2006 AND STANDARD PLAN P18 DATED MAY 1, 2006 - PAGE 127 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P18

2006 REVISED STANDARD PLAN RSP P18

5-14-09

NOTE:

1. Tie bars, dowel bars, and reinforcement are not shown in joint seal details, see Revised Standard Plans RSP P1, RSP P3, RSP P10, RSP P35, RSP P45, or RSP P46 as applicable.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	26	32

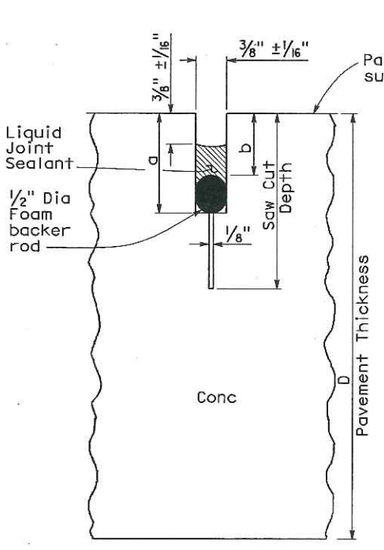
William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

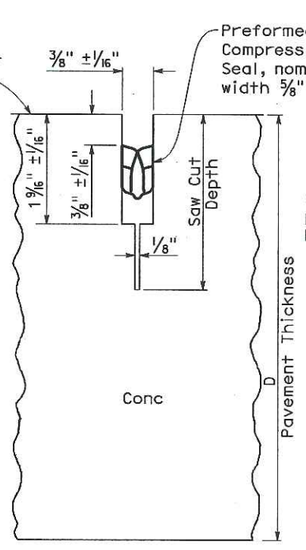
REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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 6/13/11

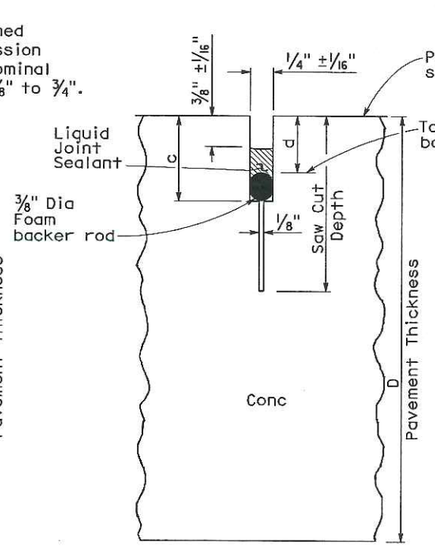


LIQUID SEALANT

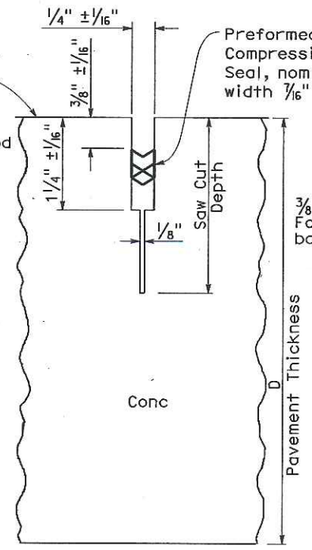


COMPRESSION SEAL

TYPE A1
Transverse Contraction Joints

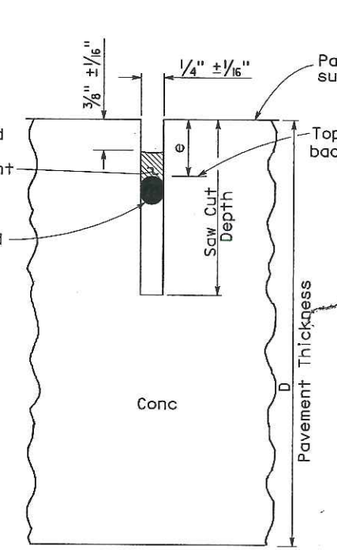


LIQUID SEALANT

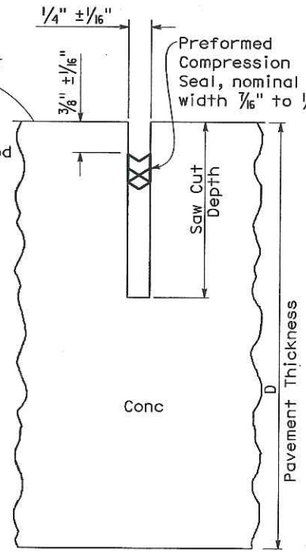


COMPRESSION SEAL

TYPE A2
Longitudinal Contraction Joints

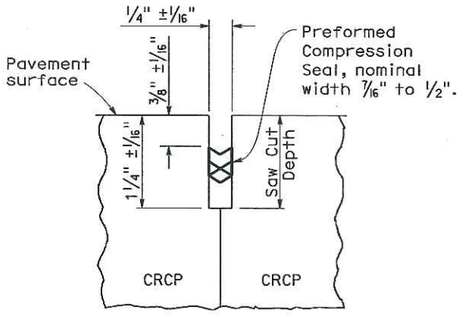


LIQUID SEALANT



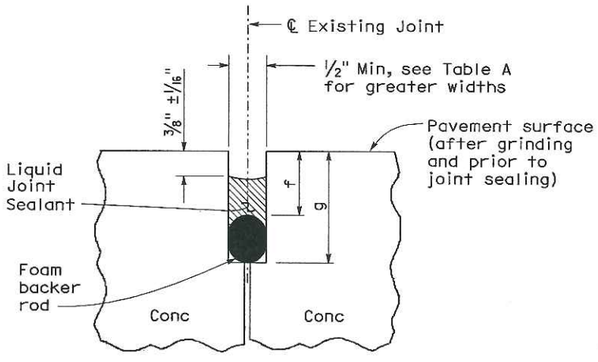
COMPRESSION SEAL

TYPE B
Longitudinal or Transverse Contraction Joint



COMPRESSION SEAL

TYPE C
Transverse and Longitudinal Construction Joints (For CRCP)



LIQUID SEALANT

TYPE R
Retrofit Transverse and Longitudinal Joints

LIQUID SEALANT RESERVOIR DEPTH

LIQUID SEALANT MATERIAL	3/8" Joint Width Type A1		1/4" Joint Width Type A2		1/4" Joint Width Type B
	DIMENSION		DIMENSION		DIMENSION
	a	b	c	d	e
SILCONE	1" ±1/16"	5/8" ±1/16"	15/16" ±1/16"	9/16" ±1/16"	9/16" ±1/16"
ASPHALT RUBBER	1 3/16" ±1/16"	3/4" ±1/16"	1 1/16" ±1/16"	11/16" ±1/16"	11/16" ±1/16"

TABLE A (TYPE R JOINT)

Sawn Joint Width	Backer Rod Diameter ± 1/16"	DIMENSION "f"	DIMENSION "g"
1"	1 5/16"	7/8"	2 1/4"
7/8"	1 3/16"	13/16"	2"
3/4"	1"	3/4"	1 3/4"
5/8"	7/8"	11/16"	1 1/2"
1/2"	11/16"	5/8"	1 1/4"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-JOINT DETAILS

NO SCALE

RSP P20 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P20
DATED MAY 1, 2006 - PAGE 128 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P20

2006 REVISED STANDARD PLAN RSP P20

128

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	27	32

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

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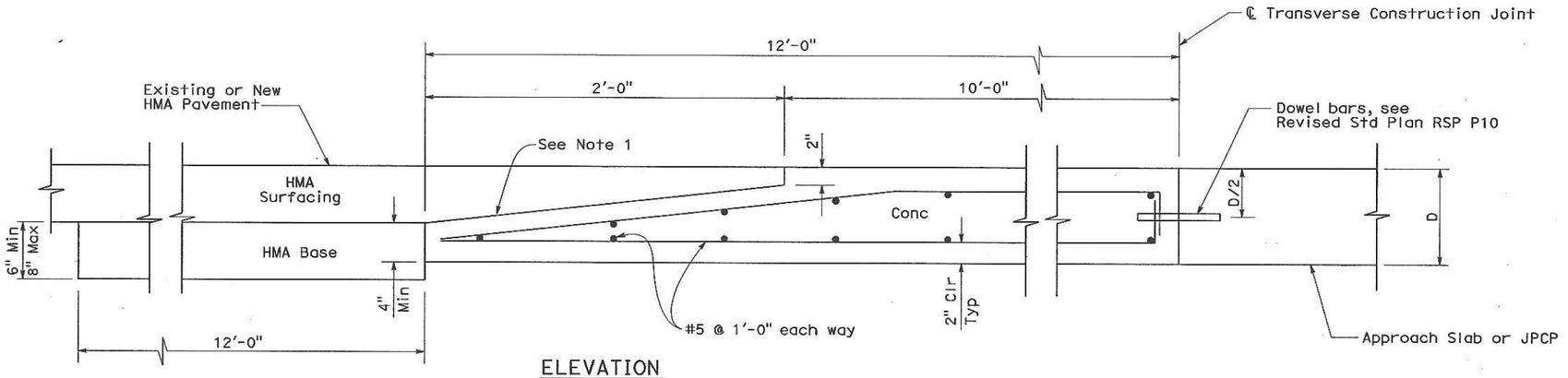
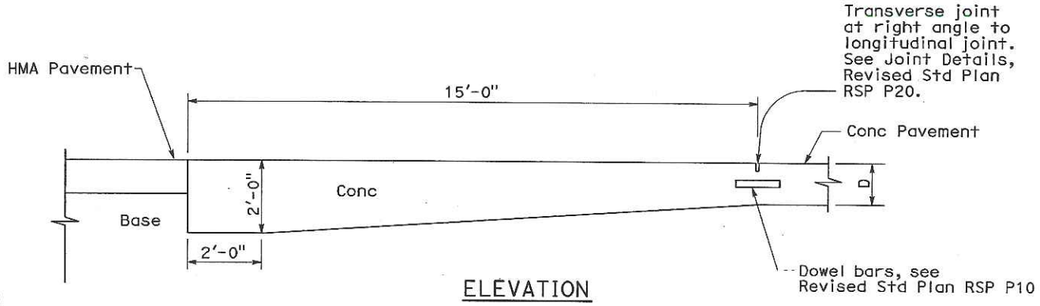
REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

To accompany plans dated 6/13/11

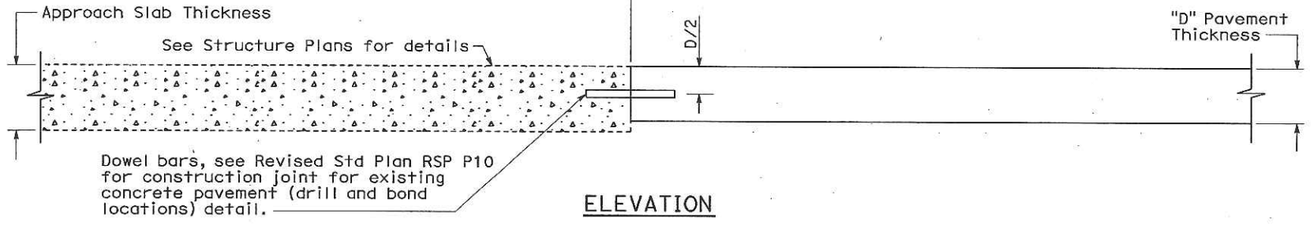


ELEVATION

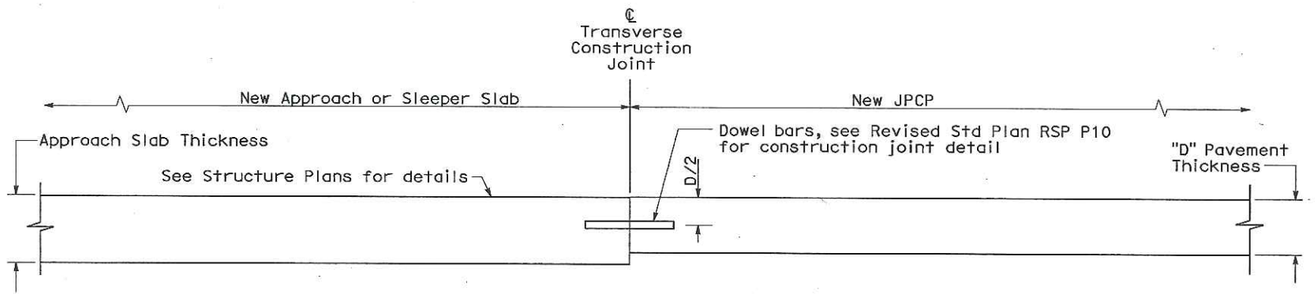
CONCRETE PAVEMENT TO HOT MIXED ASPHALT PAVEMENT TRANSITION PANEL



ELEVATION
PAVEMENT END ANCHOR



ELEVATION



ELEVATION

CONCRETE PAVEMENT TRANSITION TO APPROACH OR SLEEPER SLAB

NOTE:

1. Heavy broom finish.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT END PANEL PAVEMENT TRANSITIONS

NO SCALE

RSP P30 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P30 DATED MAY 1, 2006 - PAGE 129 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P30

2006 REVISED STANDARD PLAN RSP P30

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	28	32

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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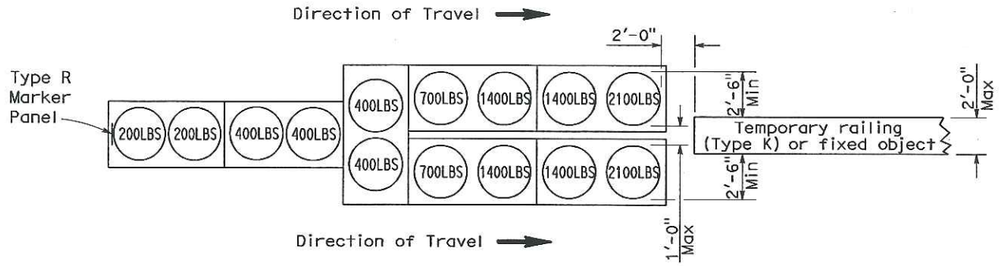
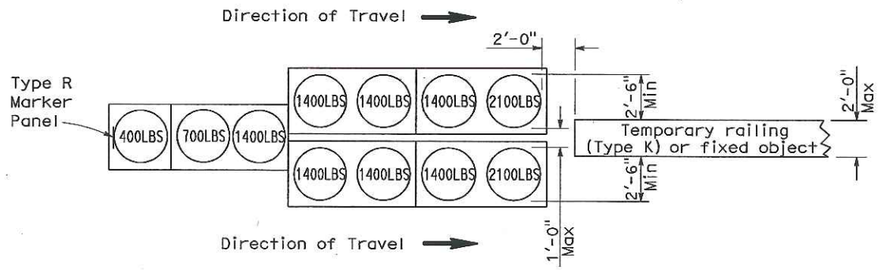
To accompany plans dated 6/13/11



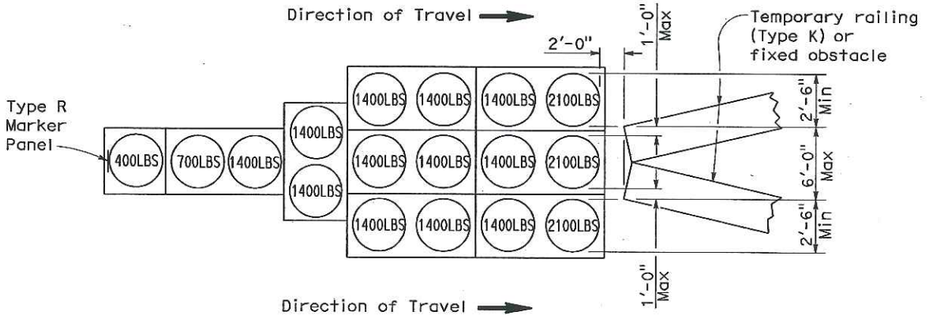
ARRAY 'TU14'

Approach speed 45 mph or more



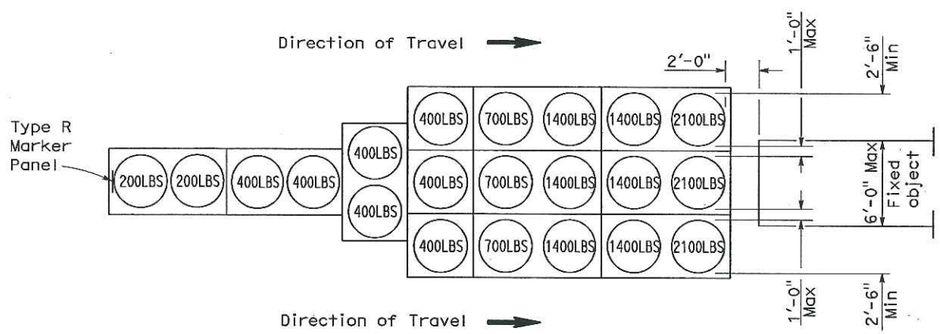
ARRAY 'TU11'

Approach speed less than 45 mph



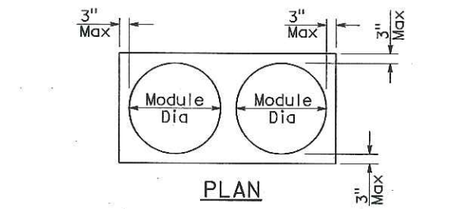
ARRAY 'TU17'

Approach speed less than 45 mph

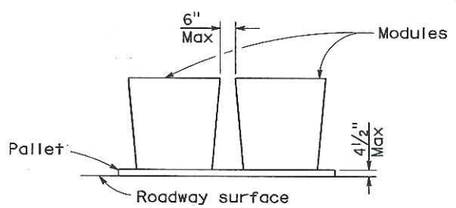


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	29	32

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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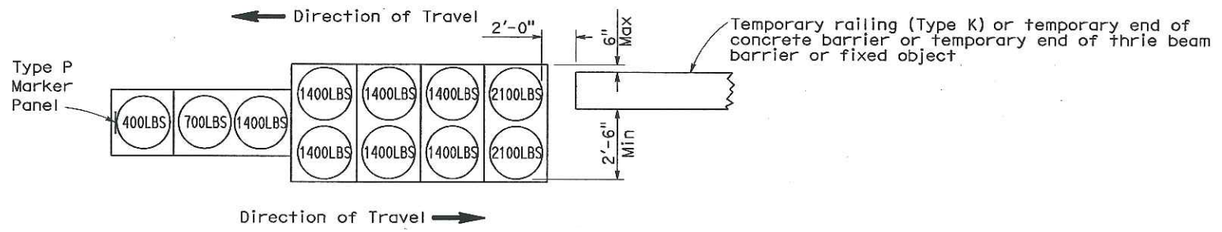
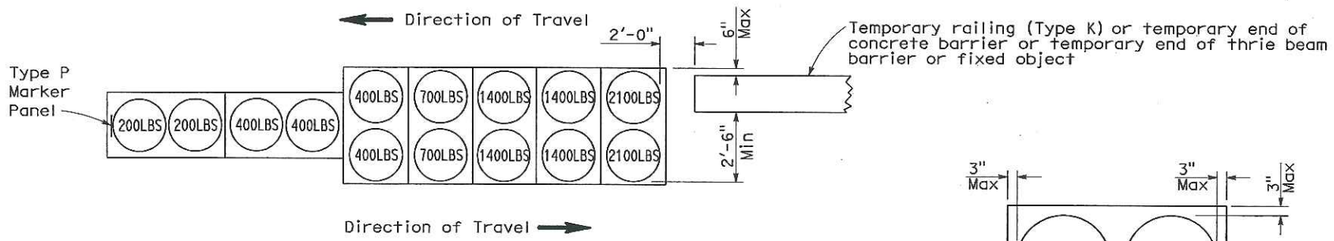
To accompany plans dated 6/13/11



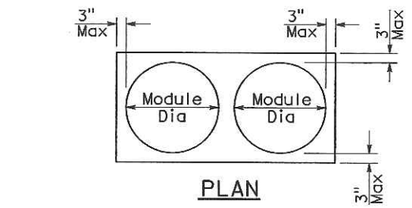
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	30	32

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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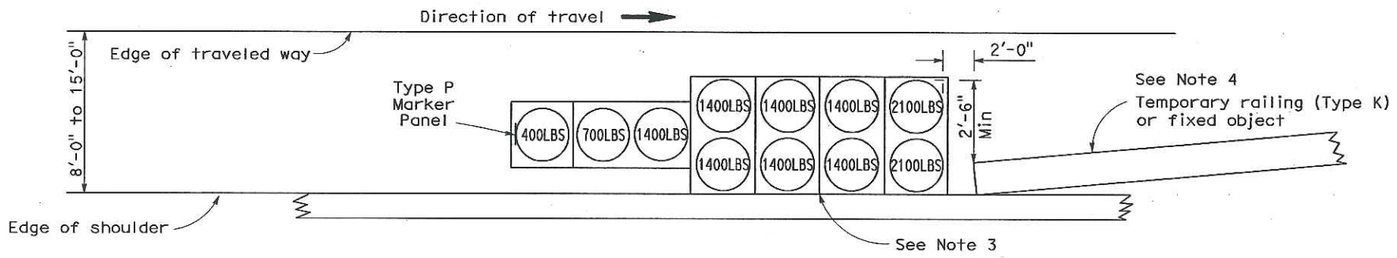
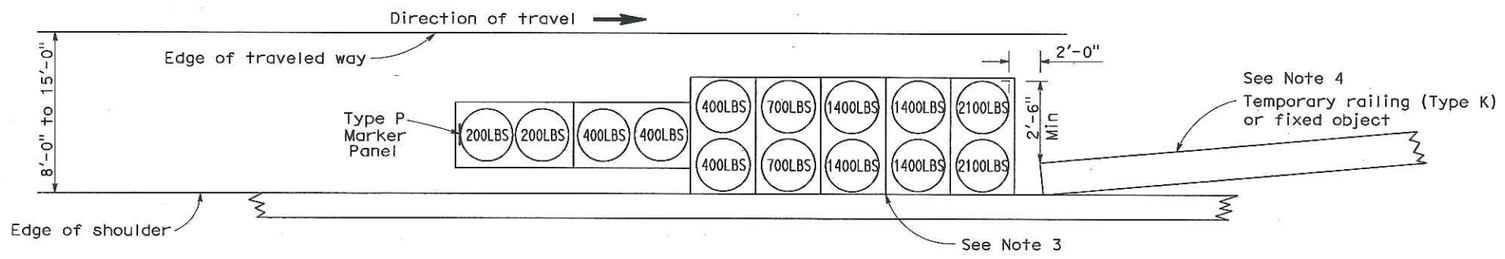
To accompany plans dated 6/13/11



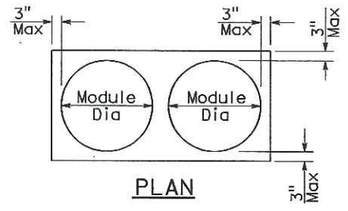
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

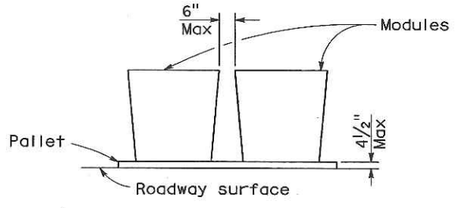


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	31	32

Greg W. Edwards
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

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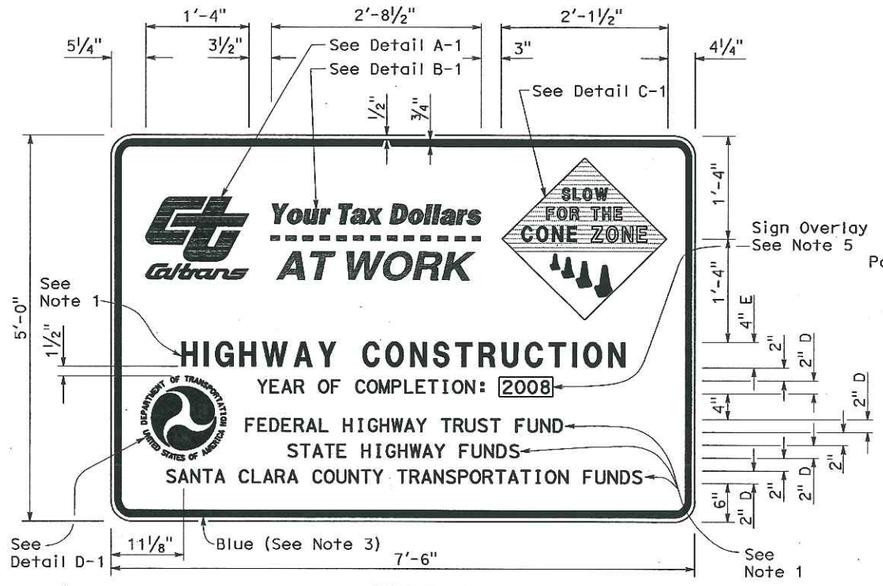
REGISTERED PROFESSIONAL ENGINEER — Greg W. Edwards — No. C36386 — Exp. 6-30-08 — CIVIL — STATE OF CALIFORNIA

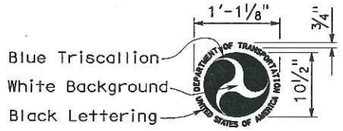
To accompany plans dated 6/13/11



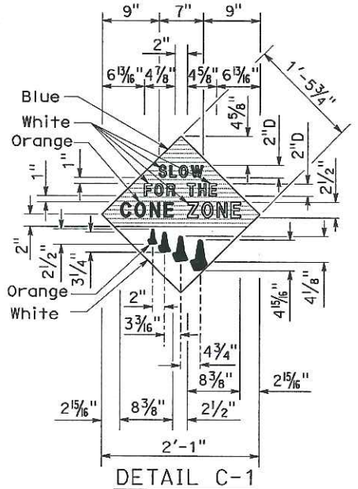
TYPE 1

DETAIL A-1

DETAIL B-1
(See Note 3)



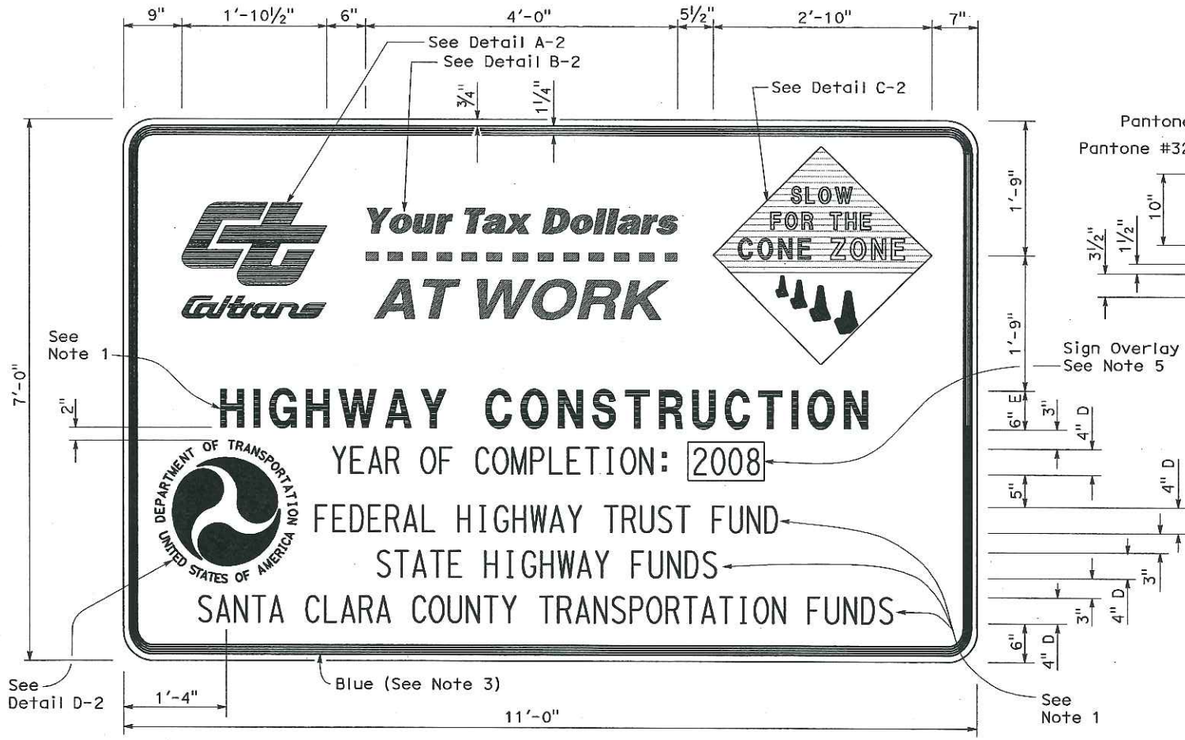
DETAIL D-1
(See Note 6)



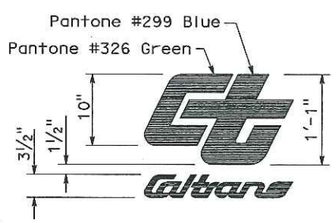
DETAIL C-1
(See Note 4)

NOTES:

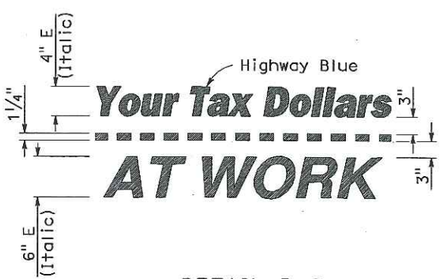
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



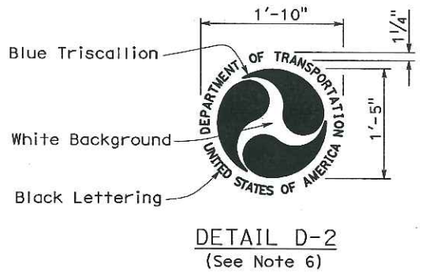
TYPE 2



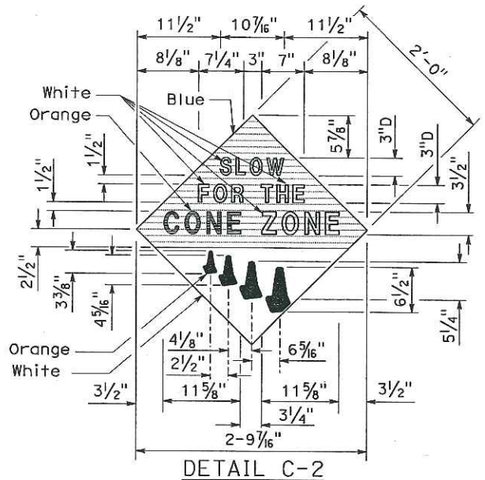
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7
DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7

9-7-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	132	3.9/4.5	32	32

LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

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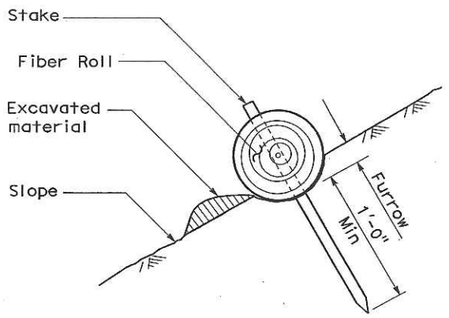
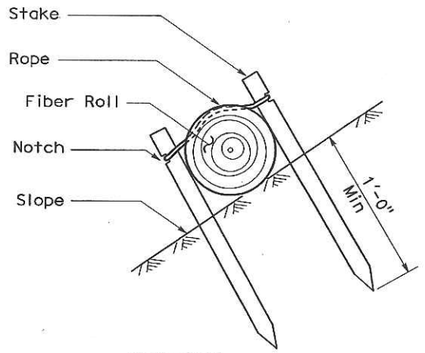
LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3505 Signature 11-30-10 Renewal Date 2-25-09 Date STATE OF CALIFORNIA

To accompany plans dated 6/13/11

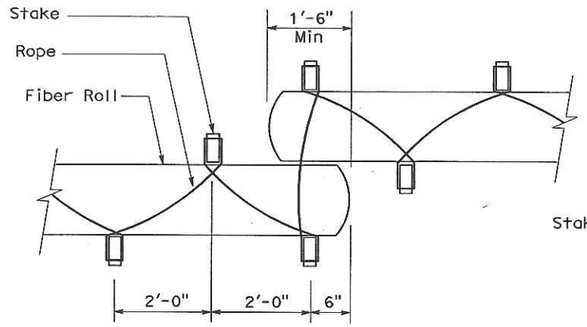


SECTION

TEMPORARY FIBER ROLL (TYPE 1)

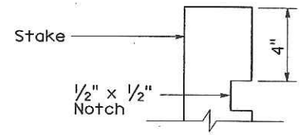


SECTION



PLAN

TEMPORARY FIBER ROLL (TYPE 2)

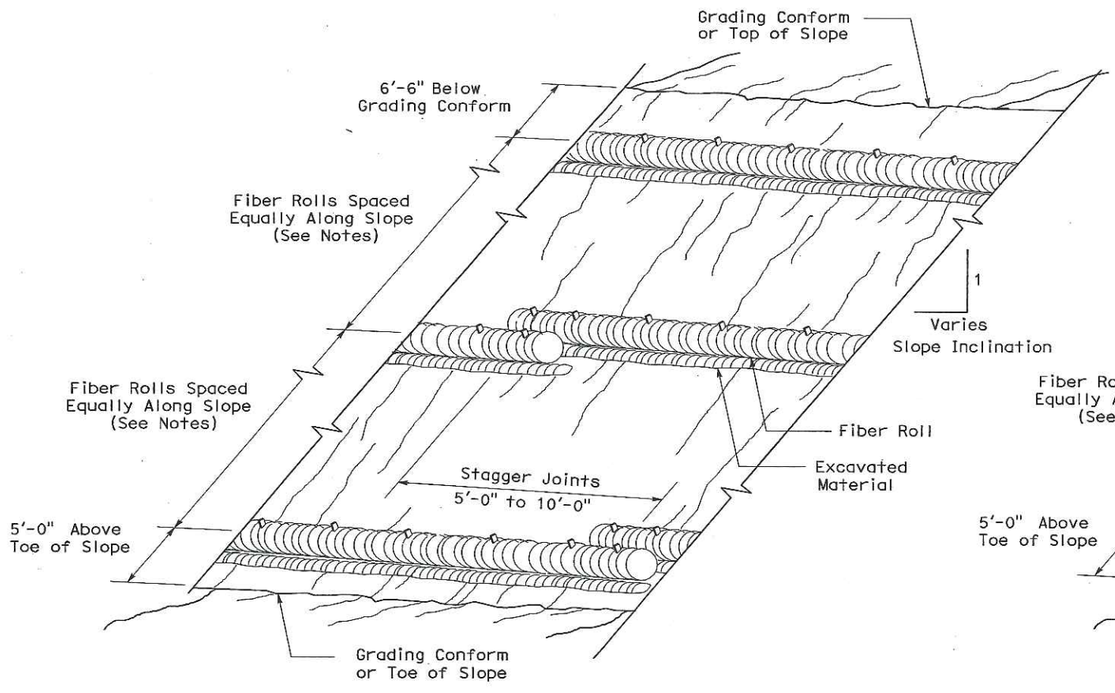


ELEVATION

STAKE NOTCH DETAIL

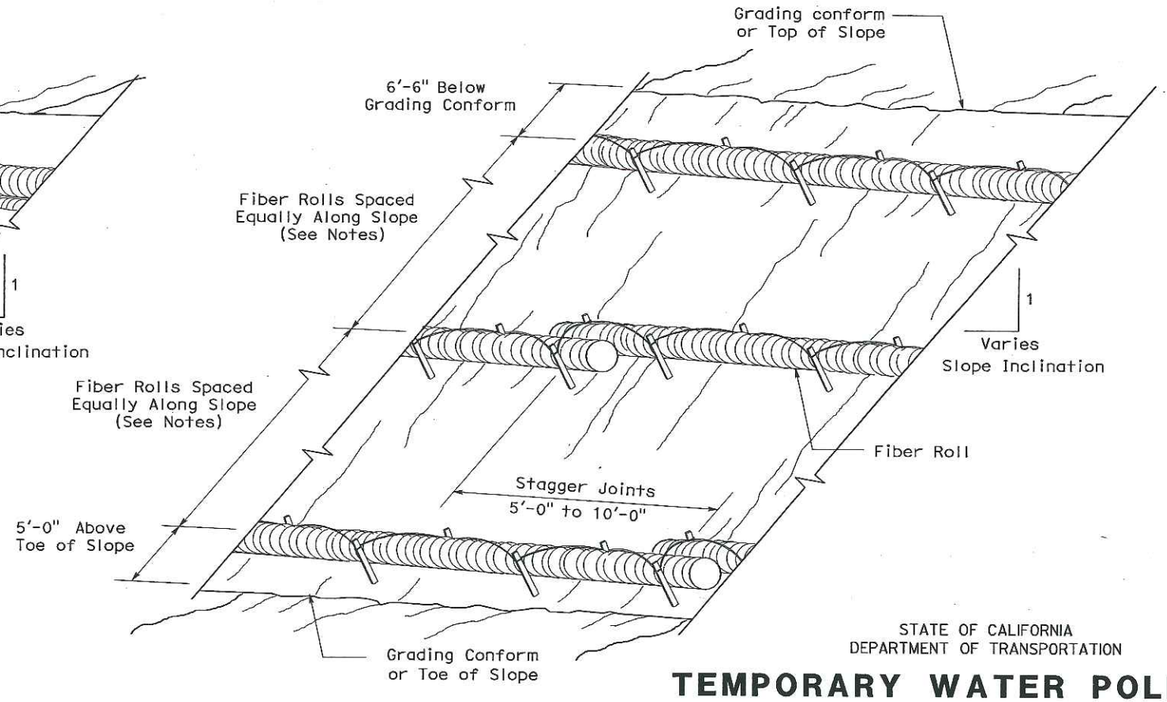
NOTES:

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

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56
DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

2-23-09

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2006 REVISED STANDARD PLAN RSP T56