

INDEX OF PLANS

SHEET No.	DESCRIPTION
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8	SUMMARY OF QUANTITIES
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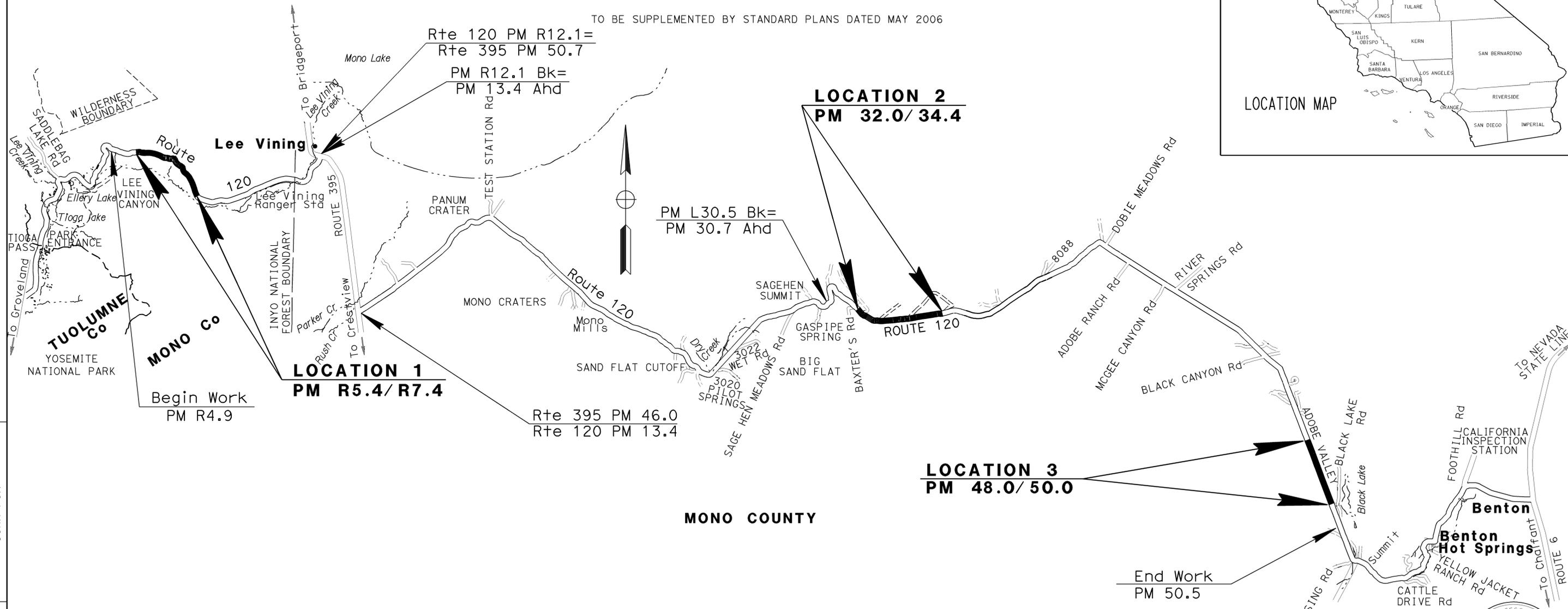
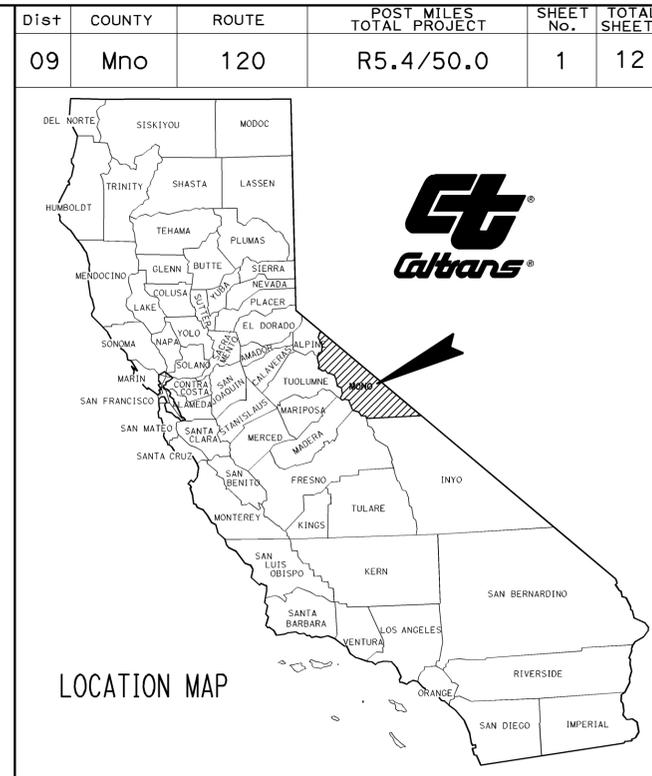
THE STANDARD PLAN LIST APPLICABLE TO THIS PROJECT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN MONO COUNTY NEAR LEE VINING
AT VARIOUS LOCATIONS
FROM 5.4 MILES EAST OF THE TUOLUMNE COUNTY LINE
TO BLACK LAKE ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

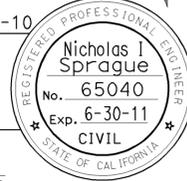
LOCATION	POST MILES	DESCRIPTION
1	R5.4/R7.4	FROM 5.4 MILES EAST TO 7.4 MILES EAST OF THE TUOLUMNE COUNTY LINE
2	32.0/34.4	FROM 0.4 MILE EAST TO 2.8 MILES EAST OF BAXTER'S ROAD
3	48.0/50.0	FROM 2.0 MILES WEST OF BLACK LAKE ROAD TO BLACK LAKE ROAD

NO SCALE

PROJECT MANAGER
JOHN FOX
DESIGN ENGINEER
NICHOLAS SPRAGUE

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

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
November 15, 2010
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. **09-347204**
PROJECT ID **0900020003**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	2	12

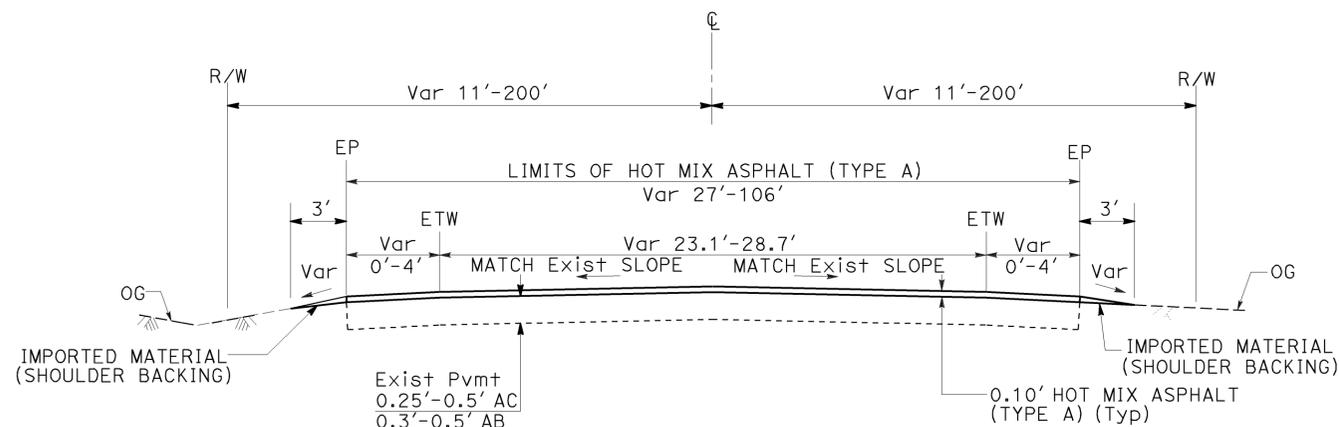
<i>Nicholas I. Sprague</i>	10-18-10
REGISTERED CIVIL ENGINEER	DATE
11-15-10	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
Nicholas I. Sprague
 No. 65040
 Exp. 6-30-11
 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:

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



ROUTE 120

- Loc 1 PM R5.4/R7.4
- Loc 2 PM 32.0/34.4
- Loc 3 PM 48.0/50.0

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE ENGINEERING	JOHN FOX	JOHN FOX	NICHOLAS SPRAGUE
		CHECKED BY	MONTASHEEMA AFROZE
			DATE REVISED

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	3	12

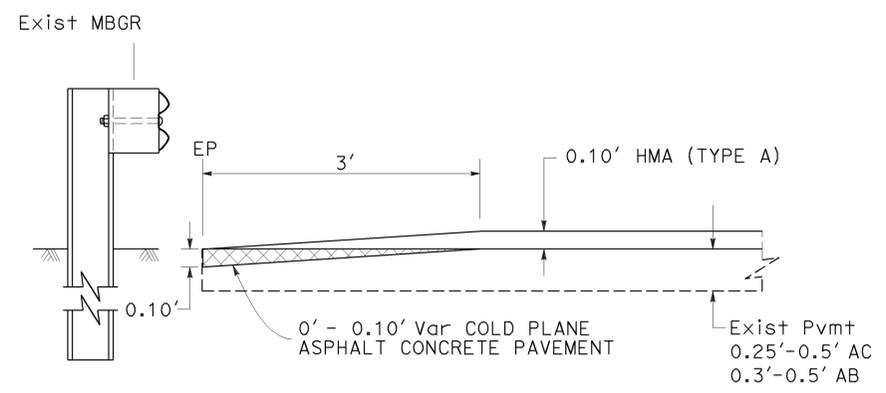
REGISTERED CIVIL ENGINEER DATE 10-18-10
 Nicholas I. Sprague
 No. 65040
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

11-15-10
 PLANS APPROVAL DATE

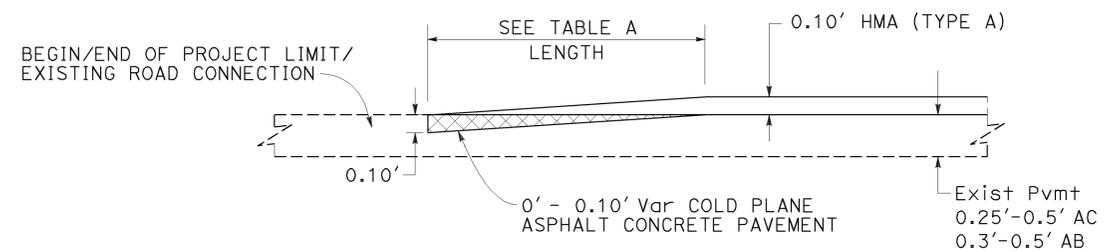
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LEGEND:

-  - HMA
-  - LIMITS OF COLD PLANE AC AND HMA
-  - DIRECTION OF TRAVEL



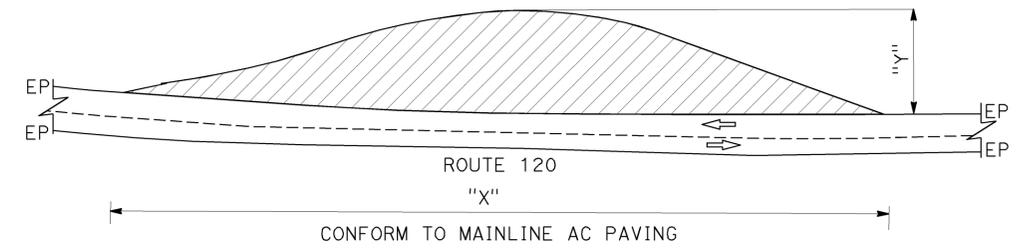
COLD PLANE ASPHALT CONCRETE PAVEMENT AT MBGR



COLD PLANE ASPHALT CONCRETE PAVEMENT (TYPICAL)

TABLE A

COLD PLANE ASPHALT CONCRETE PAVEMENT							
LOCATION	PM	STA	DESCRIPTION	LENGTH	WIDTH	DEPTH	NOTES
1	R5.48	1289+64	CONFORM GRIND	20'	30'	0.10'	BEGIN CONSTRUCTION
	R5.53	1292+74	CONFORM TAPER	270'	3'	0.10'	GUARD RAILING,R+
	R5.70	1300+96	CONFORM TAPER	260'	3'	0.10'	GUARD RAILING,R+
	R6.24	1329+47	CONFORM TAPER	370'	3'	0.10'	GUARD RAILING,R+
	R6.52	1344+26	CONFORM TAPER	211'	3'	0.10'	GUARD RAILING,R+
	R6.62	1349+54	CONFORM TAPER	158'	3'	0.10'	GUARD RAILING,L+
	R6.89	1363+79	CONFORM TAPER	307'	3'	0.10'	GUARD RAILING,R+
	R6.94	1366+46	CONFORM TAPER	225'	3'	0.10'	GUARD RAILING, R+
2	R7.48	1395+24	CONFORM GRIND	20'	29'	0.10'	END CONSTRUCTION
	32.00	2699+70	CONFORM GRIND	20'	28.5'	0.10'	BEGIN CONSTRUCTION
3	34.40	2826+42	CONFORM GRIND	20'	28'	0.10'	END CONSTRUCTION
	48.00	3534+41	CONFORM GRIND	20'	27'	0.10'	BEGIN CONSTRUCTION
	50.00	3640+00	CONFORM GRIND	20'	29'	0.10'	END CONSTRUCTION



PAVED TURNOUTS PAVING LIMITS (TYPICAL) (SEE TABLE B)

TABLE B

PAVED TURNOUTS							
LOCATION	PM	STA	LEFT	RIGHT	"X" (LF)	"Y" (LF)	AREA (SQFT)
1	R5.53	1292+74		X	270	42	5,371
	R5.75	1303+60	X		410	37	7,191
	R5.90	1311+52		X	375	62	15,855
	R6.16	1325+25	X		635	20	6,921
	R6.22	1328+42		X	370	29	8,906
	R6.50	1343+32		X	245	73	11,732
	R6.90	1364+32		X	305	80	15,073

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

CONSTRUCTION DETAILS C-1
NO SCALE

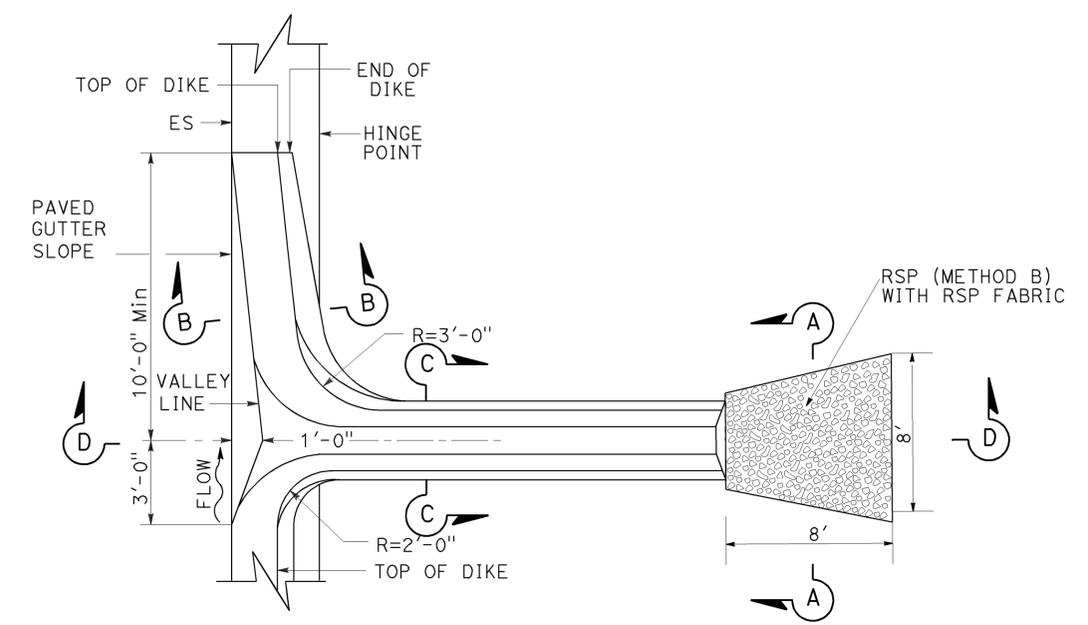
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JOHN FOX
 CALCULATED/DESIGNED BY
 CHECKED BY
 MONTASHEEMA AFROZE
 NICHOLAS SPRAGUE
 REVISED BY
 DATE REVISED

LAST REVISION DATE PLOTTED => 15-NOV-2010
 11-08-10 TIME PLOTTED => 14:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	4	12
<i>Nicholas I. Sprague</i> REGISTERED CIVIL ENGINEER			10-18-10	DATE	
11-15-10 PLANS APPROVAL DATE					
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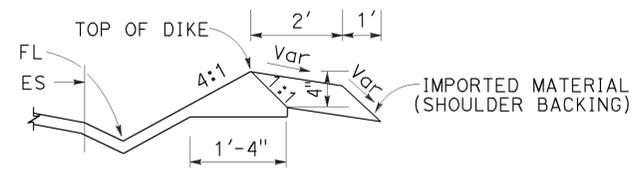


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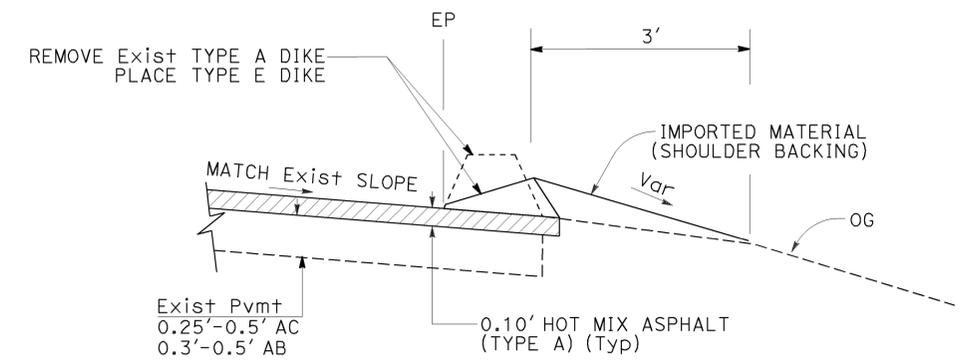


PLAN
MOUNTABLE DIKE

HMA OVERSIDE DRAIN
LOCATION 1: STA 1310+33 (R+)

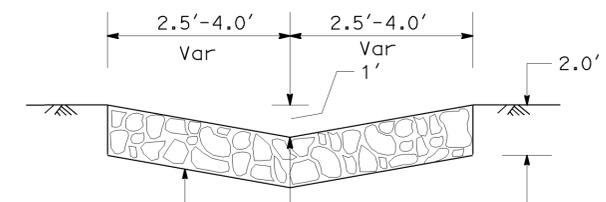


SECTION B-B



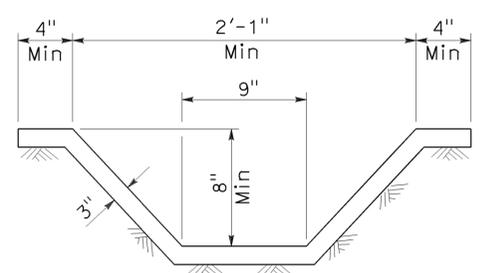
TYPICAL AC DIKE PAVING DETAIL

LOCATION 1
STA 1302+13 TO STA 1308+43 (R+)



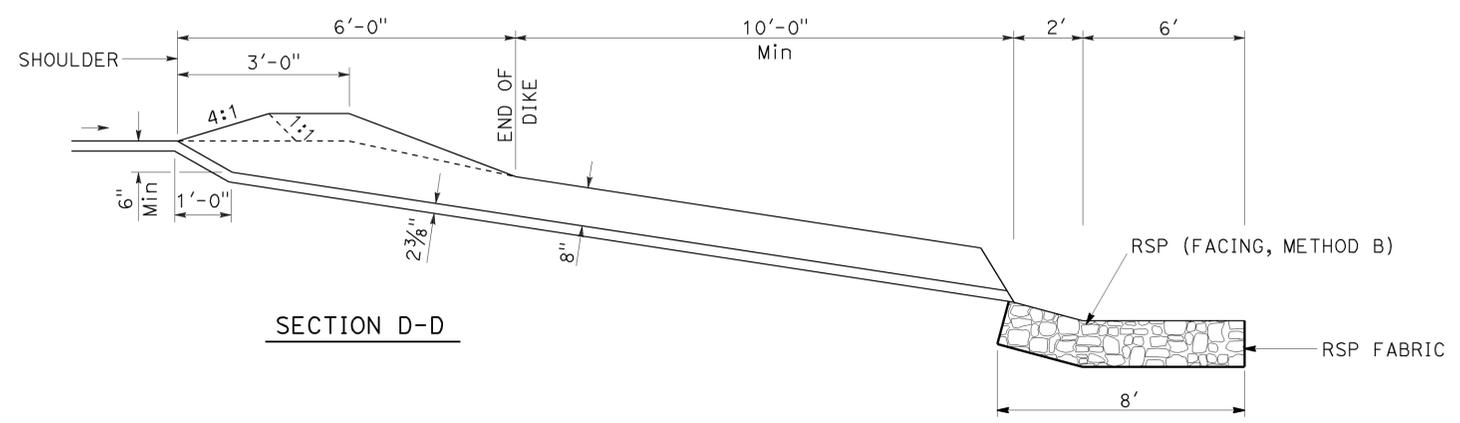
SECTION A-A

RSP SECTION



SECTION C-C

NOTE:
1. CROSS SECTION OF SLOPE DITCH MAY BE SEMICIRCULAR, VEE OR TRAPEZOIDAL.



SECTION D-D

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

CONSTRUCTION DETAILS
NO SCALE
C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JOHN FOX
 MONTASHEEMA AFROZE
 NICHOLAS SPRAGUE
 REVISIONS: MA NS
 DATE REVISED: 08-16-10
 09-13-10

LAST REVISION: 11-09-10
 DATE PLOTTED => 15-NOV-2010
 TIME PLOTTED => 14:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	5	12

REGISTERED CIVIL ENGINEER	DATE
Nicholas I. Sprague	10-18-10
PLANS APPROVAL DATE	
11-15-10	

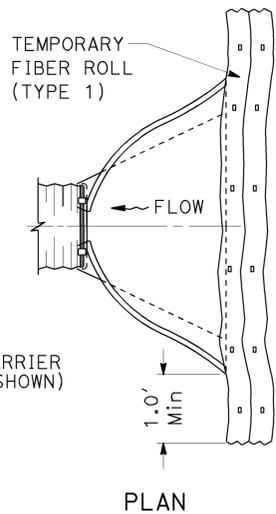
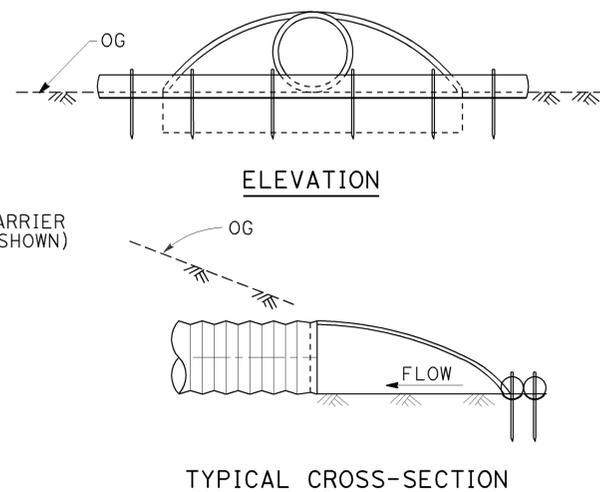
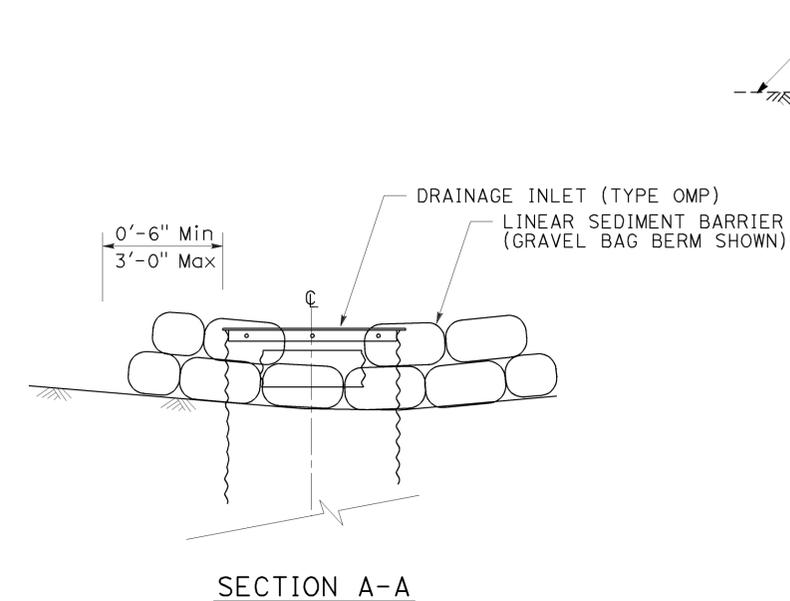
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NOTES:

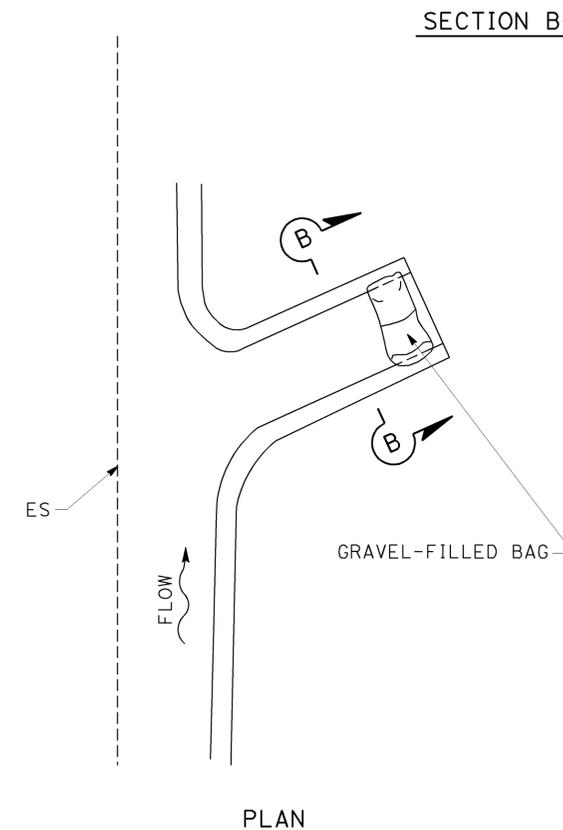
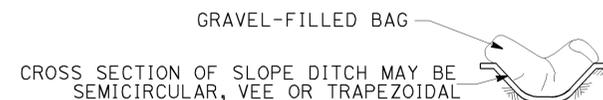
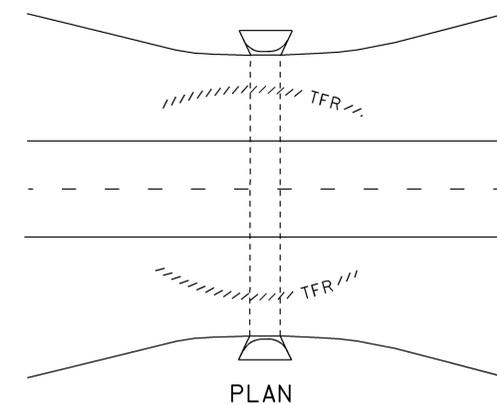
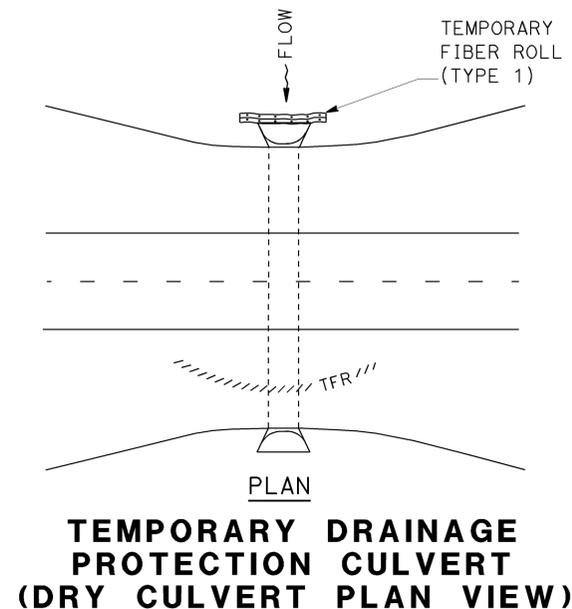
1. MINIMIZE DISTURBANCE OF SLOPE ADJACENT TO THE DRAINAGE INLET AND BEYOND PAVEMENT.
2. MINIMIZE EXCAVATION AT DRAINAGE INLET (TYPE OMP).
3. EXACT LOCATION AND POSITION OF TEMPORARY DRAINAGE PROTECTION TO BE DETERMINED BY THE ENGINEER.
4. GRAVEL BAG BERM TO BE PLACED OUTSIDE OF PAVEMENT.

LEGEND:

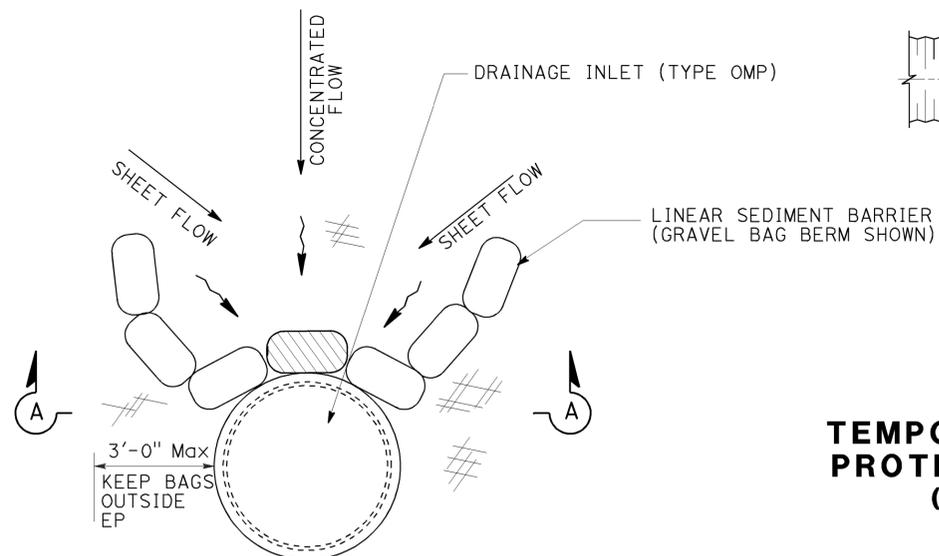
//// TFR // TEMPORARY FIBER ROLL



TEMPORARY DRAINAGE PROTECTION CULVERT (DRY INLET)



LOCATION 1
 PM R5.88; STA 1308+98



TEMPORARY DRAINAGE INLET PROTECTION (INLET TYPE OMP)

TEMPORARY WATER POLLUTION CONTROL DETAILS WPCD-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	120	R5.4/50.0	6	12

Nicholas I. Sprague 10-18-10
 REGISTERED CIVIL ENGINEER DATE

11-15-10
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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NOTE:
 EXACT LOCATION AND POSITION OF TEMPORARY DRAINAGE PROTECTION TO BE DETERMINED BY THE ENGINEER.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JOHN FOX
 CALCULATED/DESIGNED BY CHECKED BY
 MONTASHEEMA AFROZE NICHOLAS SPRAGUE
 REVISED BY DATE REVISED
 MA 05-11-10
 NS 09-13-10

TEMPORARY DRAINAGE INLET PROTECTION					
LOCATION	STATION	L+	R+	EA	DESCRIPTION
1	1289+23	X		1	DRAINAGE INLET (TYPE OMP)
	1296+13	X		1	CULVERT INLET (36" x 48' CMP)
	1310+33		X	1	AC OVERSIDE DRAIN
	1312+28	X		1	CULVERT INLET (54" x 68' CMP)
	1318+48	X		1	DRAINAGE INLET (TYPE OMP)
	1322+98	X		1	DRAINAGE INLET (TYPE OMP)
	1329+48	X		1	CULVERT INLET (24" x 54' CMP)
	1333+18	X		1	DRAINAGE INLET (TYPE OMP)
	1337+48	X		1	DRAINAGE INLET (TYPE OMP)
	1342+73	X		1	DRAINAGE INLET (TYPE OMP)
	1348+48	X		1	DRAINAGE INLET (TYPE OMP)
	1352+05	X		1	CULVERT INLET (84" x 390' CMP)
	1360+98	X		1	DRAINAGE INLET (TYPE OMP)
	1370+20	X		1	CULVERT INLET (48" CMP)
	1380+48	X		1	CULVERT INLET (48" CMP)
	1383+98	X		1	CULVERT INLET (48" x 76' CMP)
	1389+98	X		1	CULVERT INLET (48" x 180' CMP)
1394+78	X		1	CULVERT INLET (48" x 268' CMP)	
1396+73	X		1	CULVERT INLET (54" x 144' CMP)	
3	3606+41		X	1	CULVERT INLET
TOTAL				20	

TEMPORARY FIBER ROLL						
LOCATION	STATION	STATION	L+	R+	TEMPORARY FIBER ROLL LF	DESCRIPTION
1	1289+64	1323+03	X		3339	LIVE WATER - SOME SEASONAL
TOTAL					3339	

**TEMPORARY WATER POLLUTION CONTROL QUANTITIES
 WPCQ-1**

LAST REVISION | DATE PLOTTED => 15-NOV-2010
 11-08-10 | TIME PLOTTED => 14:36

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JOHN FOX
 CALCULATED/DESIGNED BY CHECKED BY
 MONTASHEEMA AFROZE NICHOLAS SPRAGUE
 REVISED BY DATE REVISED
 NS 08-16-10 NS 09-13-10

NOTES:
 1. FOR SIGN INSTALLATION DETAILS AND DIMENSIONS NOT SHOWN SEE S+d PLANS.
 2. SEE TABLE FOR PLACEMENT TYPE, EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	7	12

10-18-10
 REGISTERED CIVIL ENGINEER DATE
 11-15-10
 PLANS APPROVAL DATE
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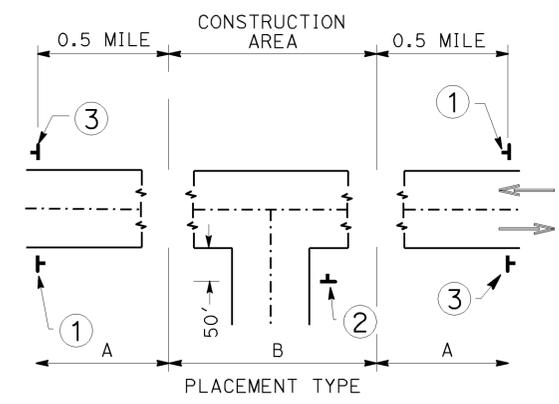
REGISTERED PROFESSIONAL ENGINEER
Nicholas I. Sprague
 No. 65040
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS				
LOCATION	PM	STATION	PLACEMENT	REMARKS
1	R4.98	1263+24	A	BEGIN WORK
	R7.98	1421+64	A	END WORK
2	31.5	2673+30	A	BEGIN WORK
	31.6	2678+58	B	BAXTER'S Rd, Rt
	34.9	2852+82	A	END WORK
3	47.5	3508+00	A	BEGIN WORK
	50.1	3643+17	B	BLACK LAKE ROAD, Lt
	50.5	3666+40	A	END WORK

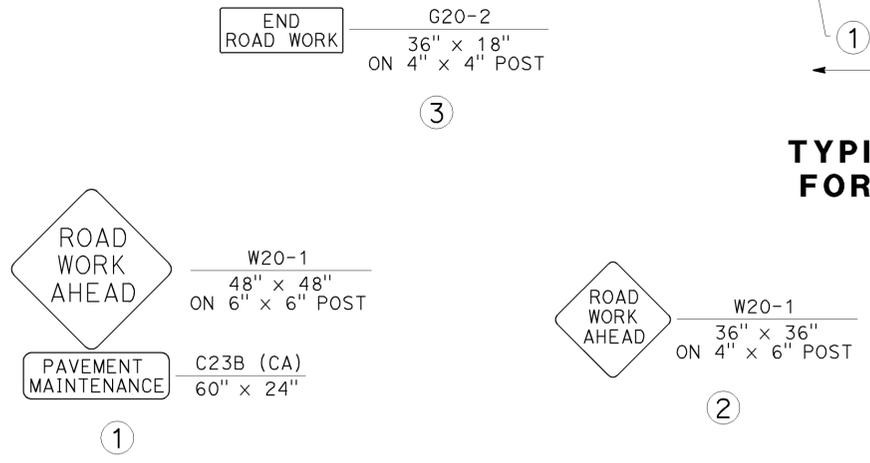
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
LAYOUT	TYPE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	EA
①	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	6
	C23B (CA)	60" x 24"	PAVEMENT MAINTENANCE		
②	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	2
③	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	6

PORTABLE CHANGEABLE MESSAGE SIGNS		
MESSAGE FOR UNDIVIDED HIGHWAY		
USE CAUTION	PREPARE TO STOP	EXPECT 20 MINUTE DELAY

- PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS TO BE CONFIRMED BY THE ENGINEER BEFORE THE ACTUAL CLOSURE.
- ALTERNATE MESSAGES MUST BE APPROVED BY THE ENGINEER.
- MESSAGE MAY BE ALTERED BY THE ENGINEER.
- WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, PORTABLE CHANGEABLE MESSAGE SIGNS SHALL NOT DISPLAY A MESSAGE UNLESS DIRECTED BY THE ENGINEER.



TYPICAL SIGN PLACEMENT FOR UNDIVIDED HIGHWAY



TYPICAL SIGN LAYOUT

CONSTRUCTION AREA SIGNS CS-1
NO SCALE

LAST REVISION DATE PLOTTED => 15-NOV-2010 11-08-10 TIME PLOTTED => 14:36

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JOHN FOX
 CALCULATED/DESIGNED BY CHECKED BY
 NICHOLAS SPRAGUE MONTASHEEMA AFROZE
 REVISED BY DATE REVISED
 MA 05-24-10
 NS 09-13-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	8	12

10-18-10
 REGISTERED CIVIL ENGINEER DATE
 11-15-10
 PLANS APPROVAL DATE



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ROADWAY QUANTITY SUMMARY				
LOCATION	HOT MIX ASPHALT (TYPE A)	PLACE HMA (Misc AREA)	COLD PLANE ASPHALT CONCRETE PAVEMENT	TACK COAT
	TON	SQYD	SQYD	TON
1	2911	6	731	18
2	2656		129	17
3	2169		123	14
HMA DIKE AND Misc AREA	34			
TOTAL	7770	6	983	49

PAINT TRAFFIC STRIPE (2-COAT)				
LOCATION	DETAIL NUMBER			
	5	18	21	27B
	LF	LF	LF	LF
1	2202	1438	6920	21,120
2	3829	5519	3325	25,346
3	6763	3796		21,118
SUBTOTAL	12,794	10,753	10,245	67,584
TOTAL	101,376			

PLACE HMA DIKE (TYPE E)			
LOCATION	R+	L+	LENGTH
STATION TO STATION			LF
1304+13 TO 1310+43	X		630
TOTAL			630

REMOVE AC DIKE			
LOCATION	R+	L+	LENGTH
STATION TO STATION			LF
1304+13 TO 1310+43	X		630
TOTAL			630

ROCK SLOPE PROTECTION (FACING, METHOD B)				
LOCATION	R+	L+	CY	REMARKS
1310+33	X		4	OVERSIDE DRAIN
TOTAL			4	

ROCK SLOPE PROTECTION FABRIC				
LOCATION	R+	L+	SQYD	REMARKS
1310+33	X		14	OVERSIDE DRAIN
TOTAL			14	

IMPORTED MATERIAL (SHOULDER BACKING)				
LOCATION	STATION	LEFT	RIGHT	QUANTITY TON
1	1289+64 TO 1290+54		X	1.8
	1290+54 TO 1293+71	X	X	12.4
	1293+71 TO 1297+94		X	8.2
	1297+94 TO 1310+00	X	X	47.0
	1310+00 TO 1313+70	X		7.2
	1313+70 TO 1317+92	X	X	16.5
	1317+92 TO 1326+90		X	17.5
	1326+90 TO 1341+76	X	X	58.0
	1341+76 TO 1345+46	X		7.2
	1345+46 TO 1354+44	X	X	35.0
1354+44 TO 1359+72		X	10.3	
1359+72 TO 1395+24	X	X	138.5	
2	2699+70 TO 2826+42	X	X	494.0
3	3534+41 TO 3640+00	X	X	412.0
TOTAL				1265.6

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

SUMMARY OF QUANTITIES Q-1

LAST REVISION: DATE PLOTTED => 15-NOV-2010 TIME PLOTTED => 14:36

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	9	12

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

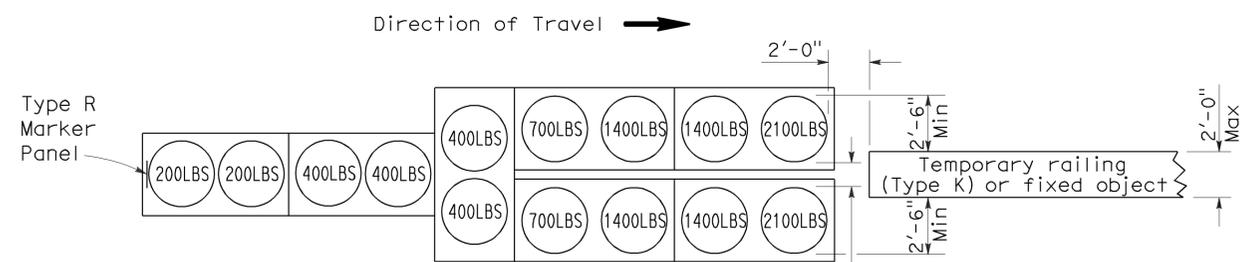
June 6, 2008
PLANS APPROVAL DATE

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

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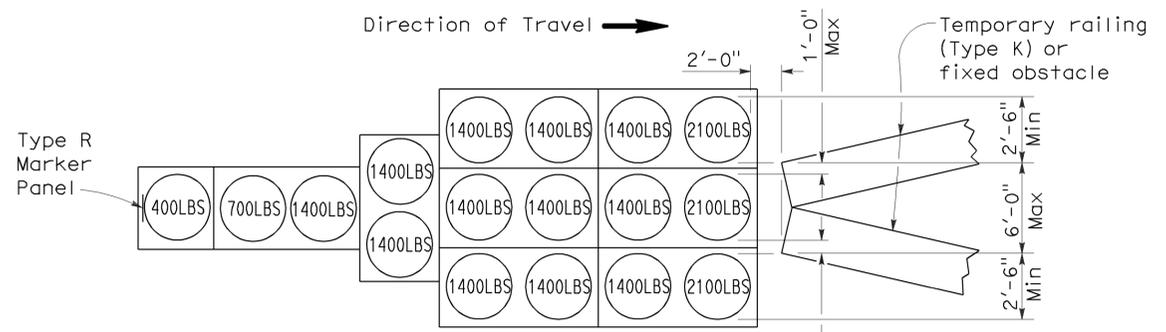
To accompany plans dated 11-15-2010

2006 REVISED STANDARD PLAN RSP T1A



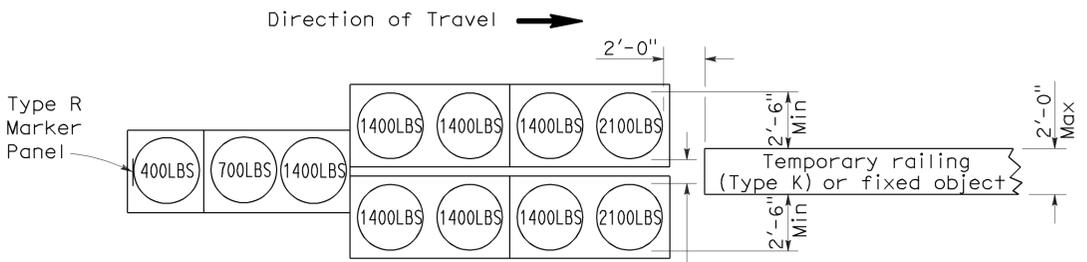
ARRAY 'TU14'

Approach speed 45 mph or more



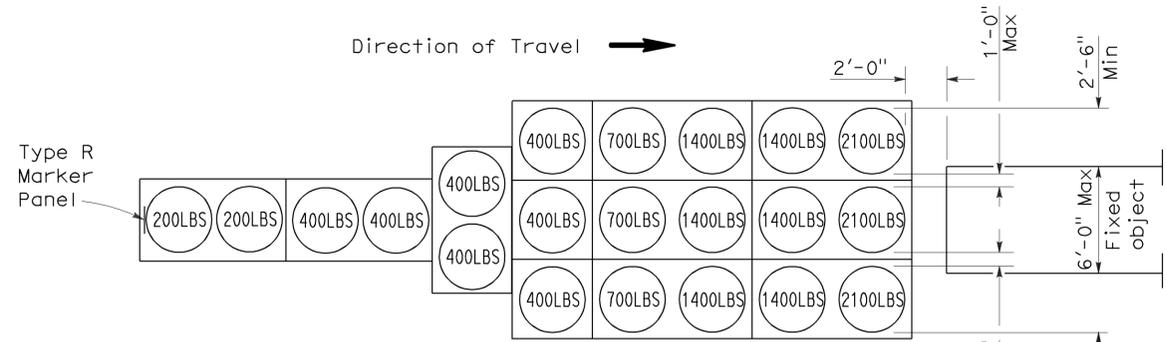
ARRAY 'TU17'

Approach speed less than 45 mph



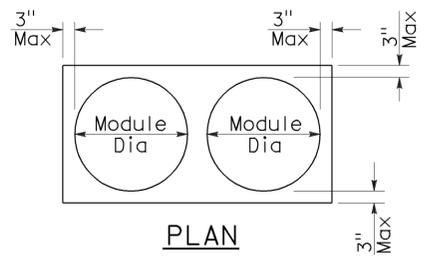
ARRAY 'TU11'

Approach speed less than 45 mph

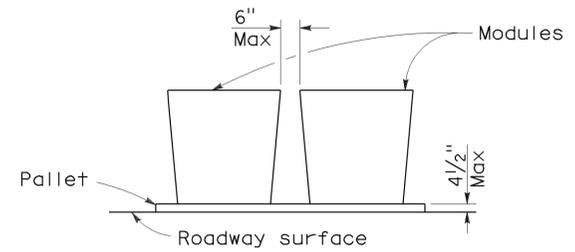


ARRAY 'TU21'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
09	Mno	120	R5.4/50.0	10	12

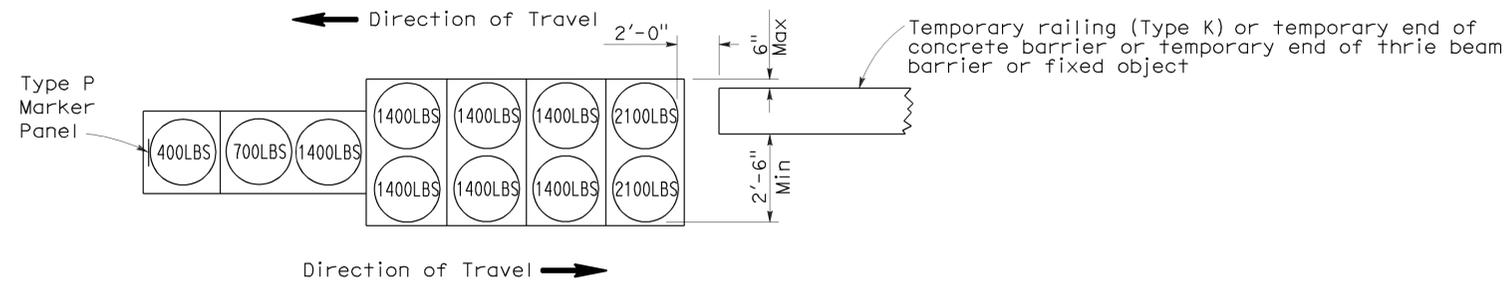
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

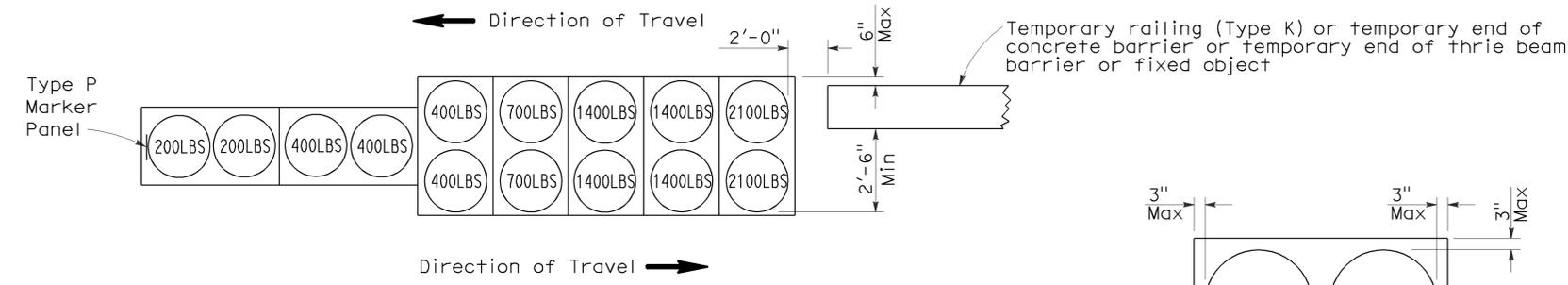
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 11-15-2010



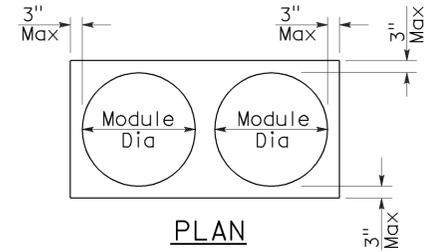
ARRAY 'TB11'

Approach speed less than 45 mph

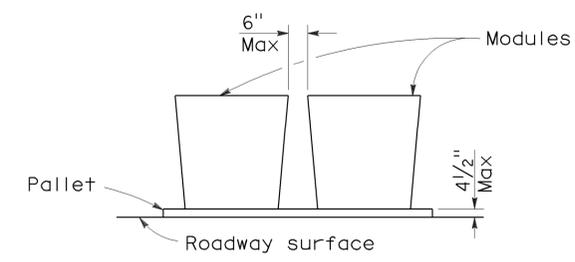


ARRAY 'TB14'

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	120	R5.4/50.0	11	12

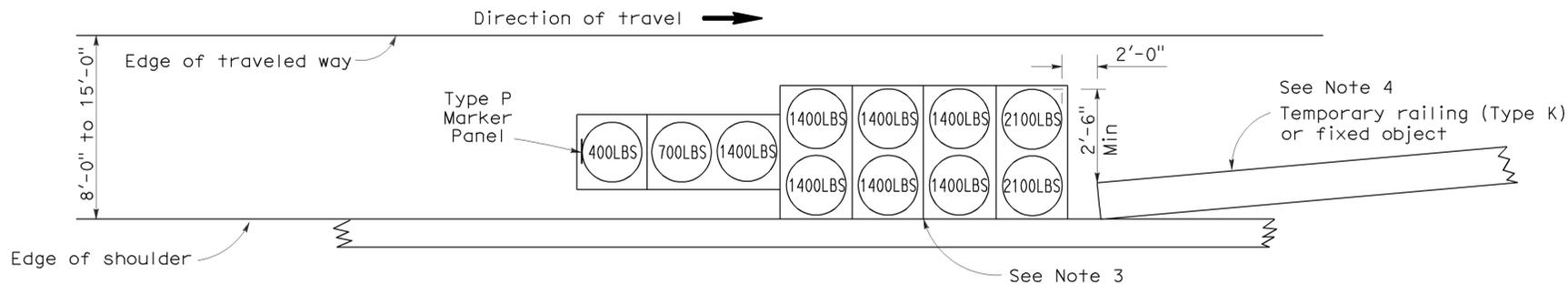
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

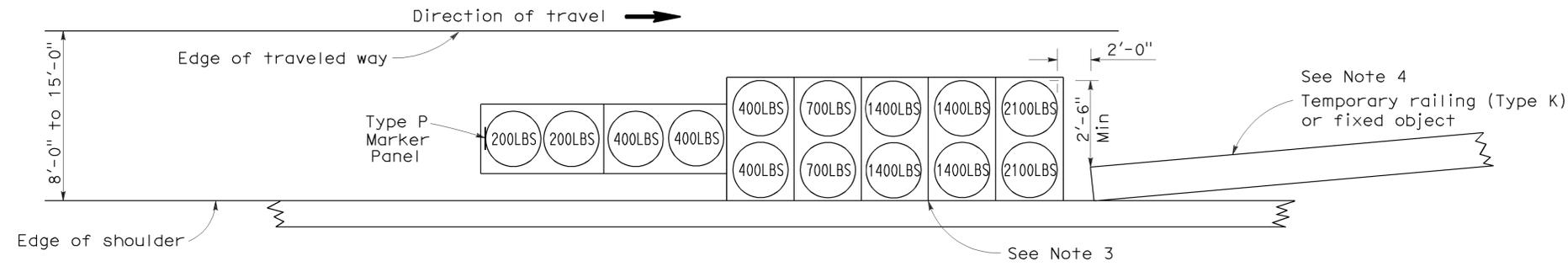
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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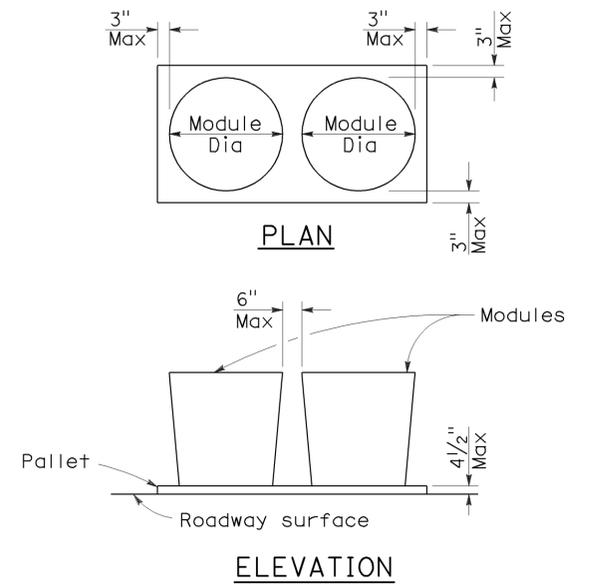
To accompany plans dated 11-15-2010



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
09	Mno	120	R5.4/50.0	12	12

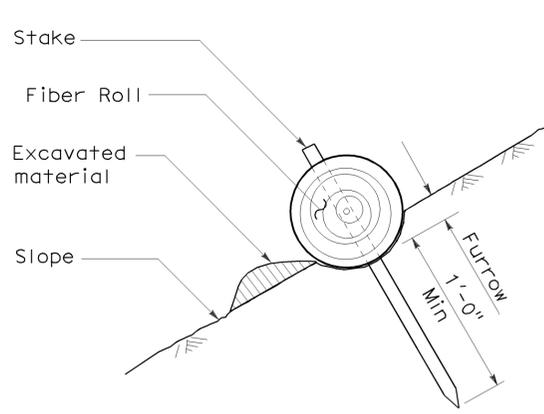
Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

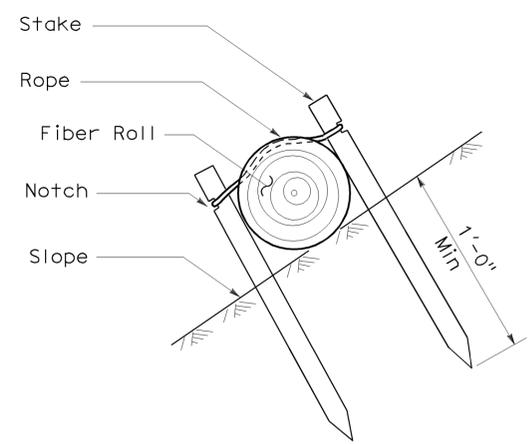
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

STATE OF CALIFORNIA
LICENSED LANDSCAPE ARCHITECT
Robert B. Schott 1989
11-30-10
2-25-09
Date

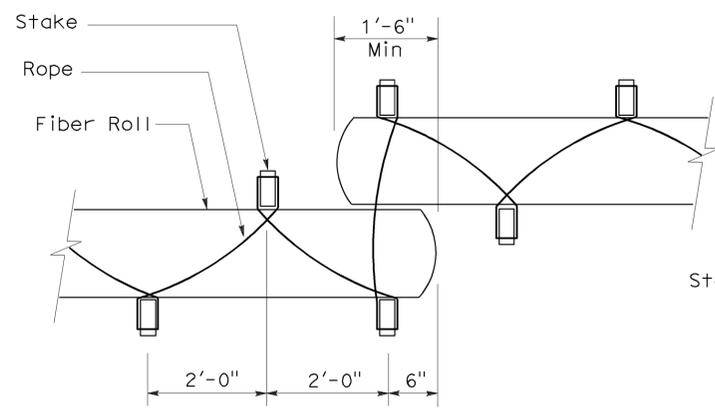
To accompany plans dated 11-15-2010



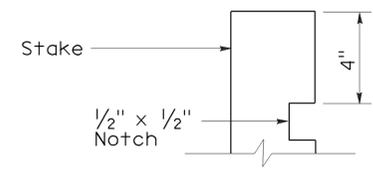
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



SECTION
TEMPORARY FIBER ROLL (TYPE 2)

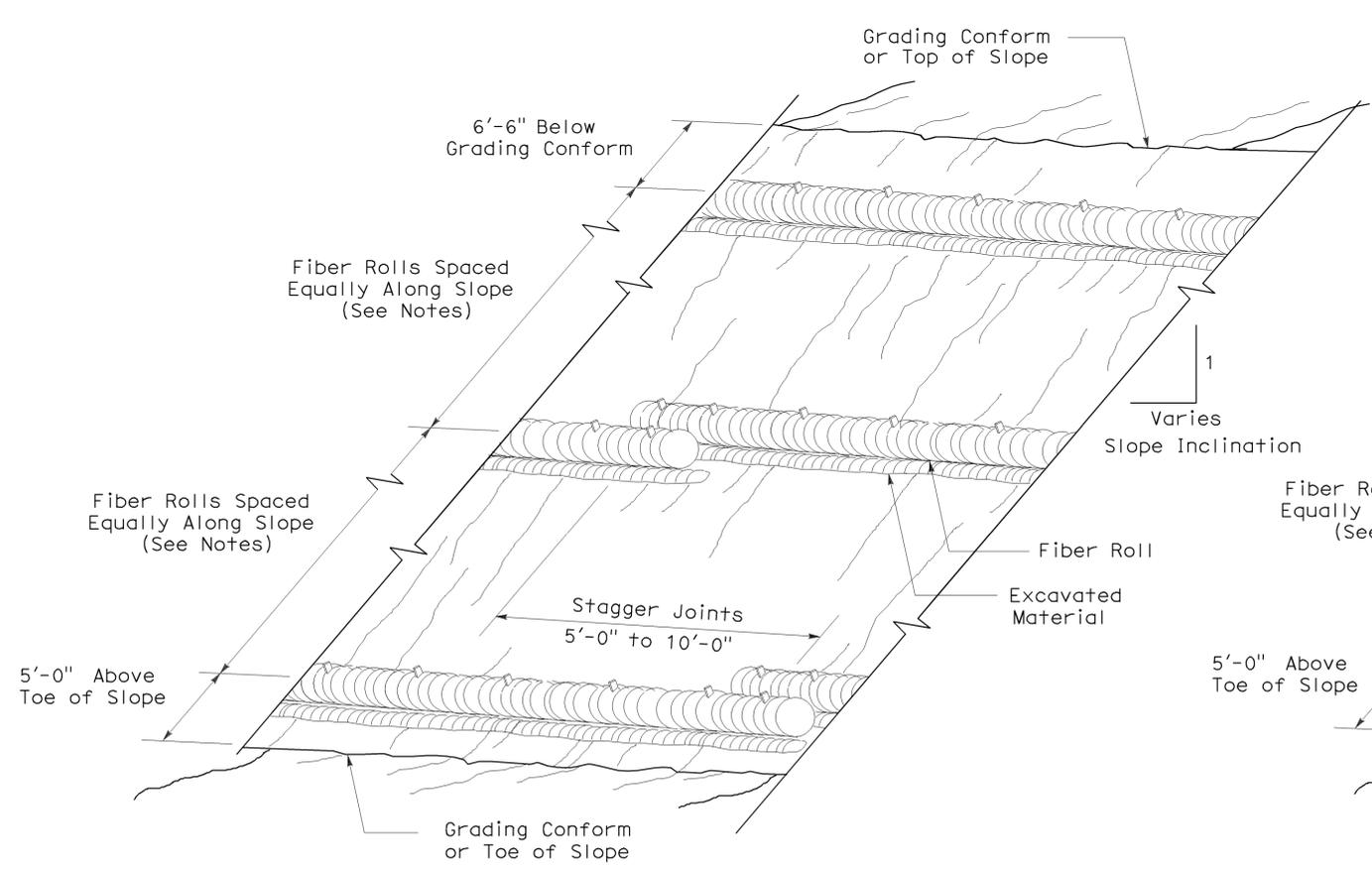


PLAN
TEMPORARY FIBER ROLL (TYPE 2)

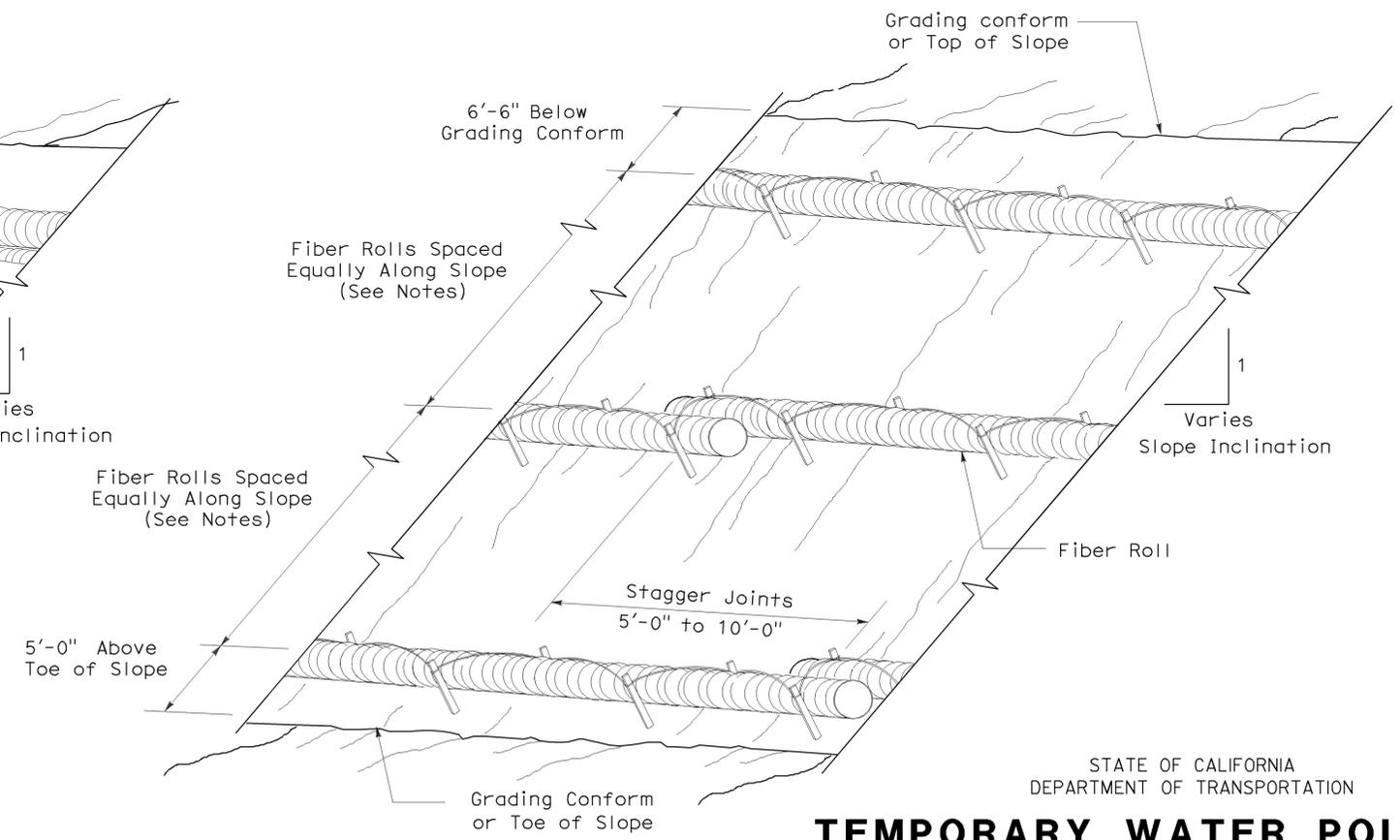


ELEVATION
STAKE NOTCH DETAIL

- 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

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

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2006 REVISED STANDARD PLAN RSP T56