INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3-8	CONSTRUCTION DETAILS
9	CONSTRUCTION AREA SIGNS
10	SUMMARY OF QUANTITIES
11-24	REVISED AND NEW STANDARD PLANS

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

HSNHG-Q101(188)E

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

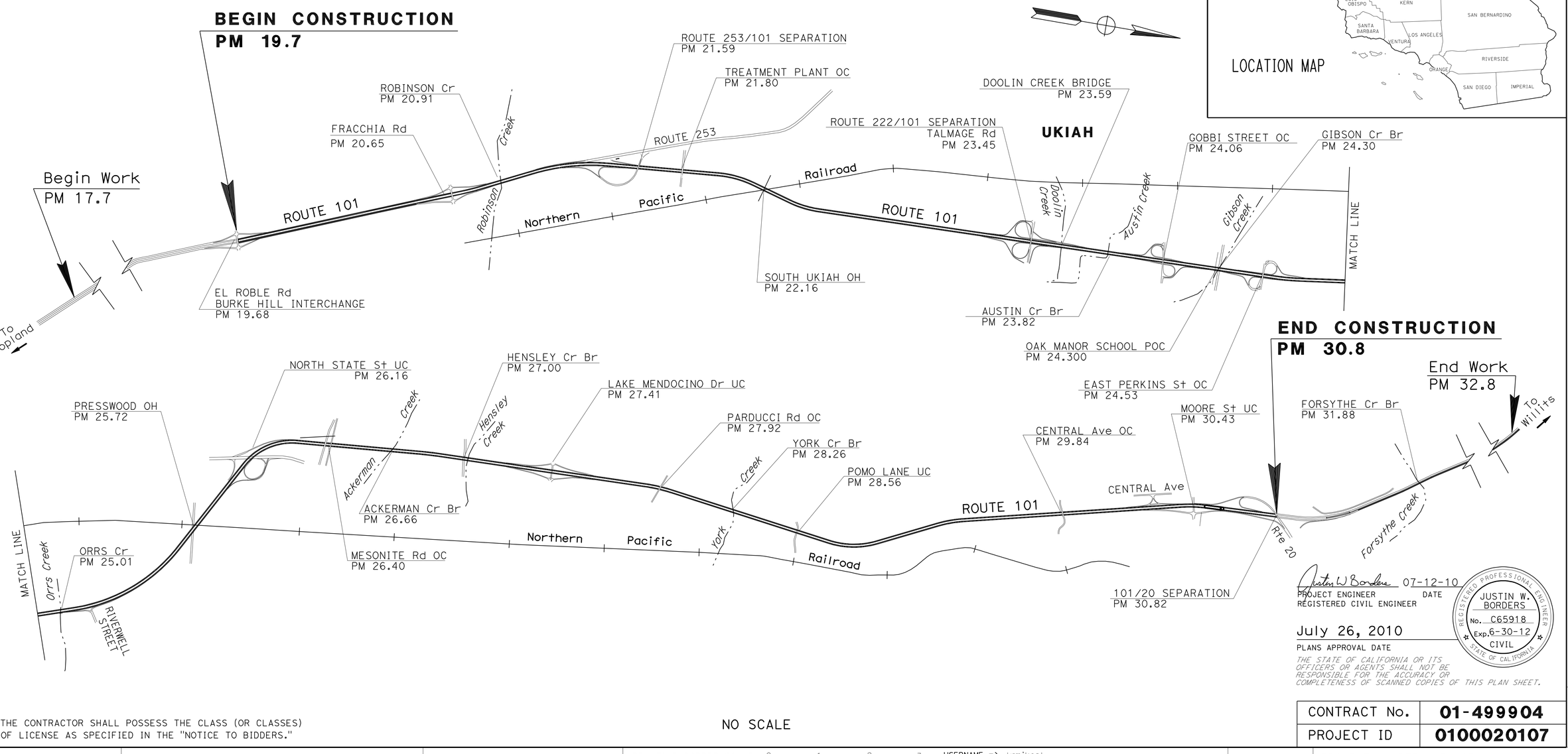
STATE HIGHWAY

IN MENDOCINO COUNTY
IN AND NEAR UKIAH
FROM EL ROBLE ROAD OVERCROSSING
TO ROUTE 101/20 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	1	24

LOCATION MAP



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

NO SCALE

Justin W Borders 07-12-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

July 26, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JUSTIN W. BORDERS — No. C65918 — 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.

CONTRACT No.	01-499904
PROJECT ID	0100020107

PROJECT MANAGER: GRACE TELL
DESIGN ENGINEER: AL TRUJILLO

P:\proj\01\49990_plans\pse\249990ab001.dgn

LAST REVISION: DATE PLOTTED => 15-SEP-2010 TIME PLOTTED => 09:54 07-13-10

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmikesl DGN FILE => 249990ab001.dgn | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	2	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

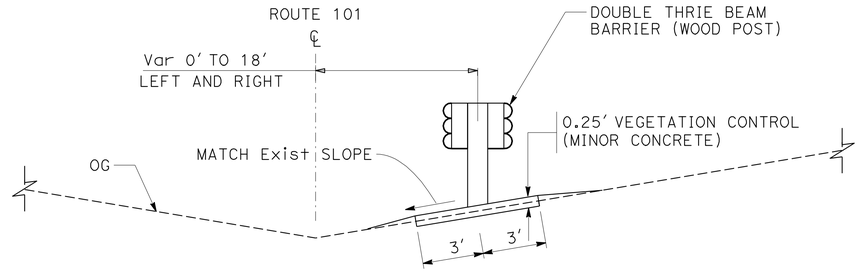
7-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JUSTIN W. BORDERS
No. C65918
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

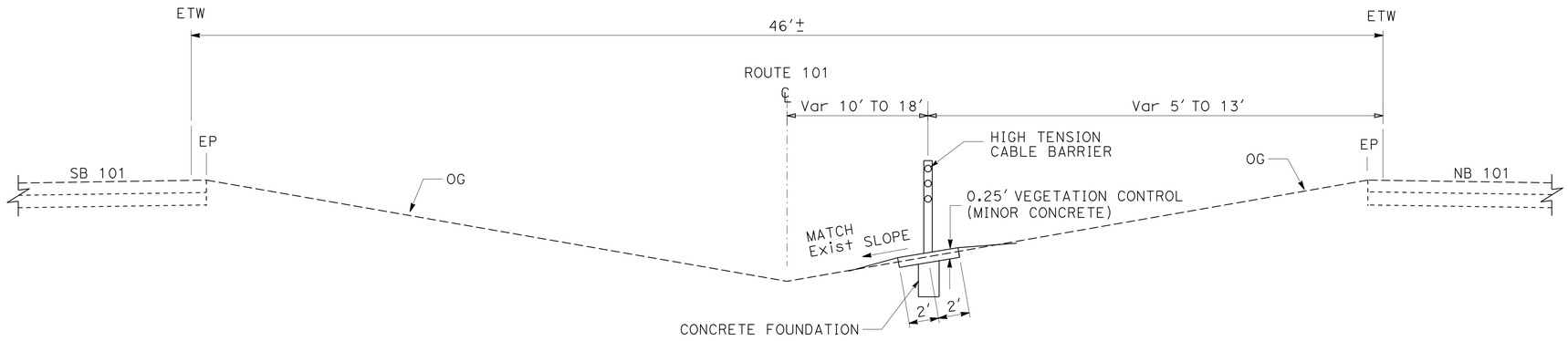
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. EXCAVATED MATERIAL WILL BE SPREAD OUT ADJACENT TO VEGETATION CONTROL (MINOR CONCRETE).
2. DIMENSIONS OF PAVEMENT STRUCTURES ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
3. GRADE FLOWLINES TO DRAIN TO INLETS.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.
5. HIGH TENSION CABLE BARRIER, MAXIMUM POST SPACING 15'
6. EROSION CONTROL (HYDROSEED) TO BE APPLIED IN ALL AREAS WITH DISTURBED SOIL.



ROUTE 101
PM 28.26 TO 28.53



ROUTE 101

PM 19.68 TO 21.0
PM 21.0 TO 22.2
PM 22.2 TO 24.3
PM 24.3 TO 25.0
PM 25.0 TO 25.7
PM 25.7 TO 26.1
PM 26.1 TO 26.7
PM 26.7 TO 27.0
PM 27.0 TO 27.4
PM 27.4 TO 28.3
PM 28.3 TO 28.6
PM 28.6 TO 30.5
PM 30.5 TO 30.8

TYPICAL CROSS SECTIONS
NO SCALE

X-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: BILL LEHMAN
CHECKED BY: JUSTIN BORDERS
FUNCTIONAL SUPERVISOR: AL TRUJILLO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

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LAST REVISION 07-14-10
DATE PLOTTED => 28-JUL-2010
TIME PLOTTED => 13:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	3	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

7-26-10
PLANS APPROVAL DATE

JUSTIN W. BORDERS No. C65918 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.

NOTES:

1. TRANSITION DETAIL IS TYPICAL AT ALL TAPER POINTS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.
3. OFFSET DISTANCES ARE MEASURED FROM MBGR TANGENT.

LEGEND:

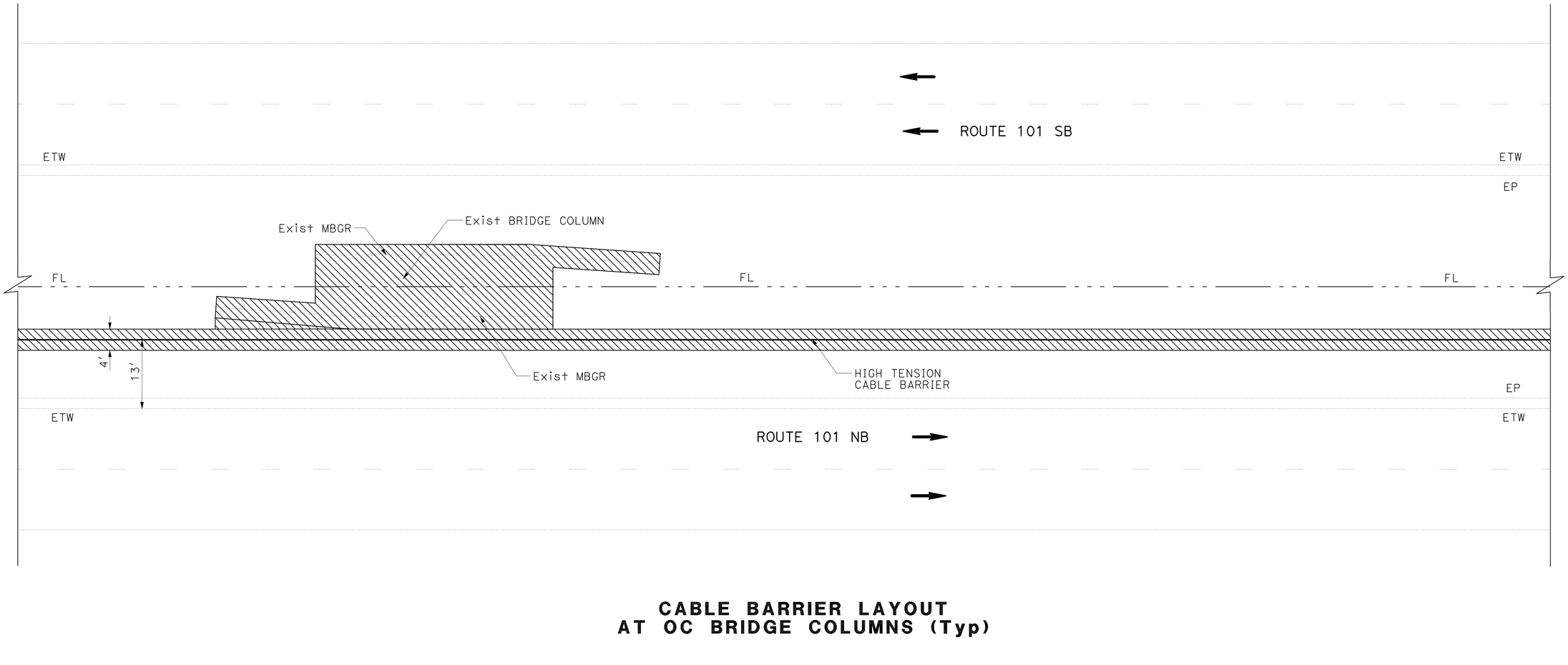
- DIRECTION OF TRAVEL
- MINOR HMA
- VEGETATION CONTROL (MINOR CONCRETE)

ABBREVIATION:

H - ADDITIONAL HEIGHT TO EXISTING INLET

COLUMN LOCATIONS

BRIDGE	PM
EL ROBLE Rd OC	19.68
FRACCHIA Rd OC	20.65
ROUTE 253/101 SEPARATION	21.59
TREATMENT PLANT OC	21.80
TALMAGE Rd OC	23.45
GOBBI St OC	24.06
EAST PERKINS St OC	24.53
MASONITE Rd OC	26.40
PARDUCCI Rd OC	27.92
CENTRAL Ave OC	29.84



CABLE BARRIER LAYOUT AT OC BRIDGE COLUMNS (Typ)

CONSTRUCTION DETAILS

NO SCALE

C-1

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LAST REVISION 07-14-10 | DATE PLOTTED => 28-JUL-2010 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 249990ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	4	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

7-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JUSTIN W. BORDERS
No. C65918
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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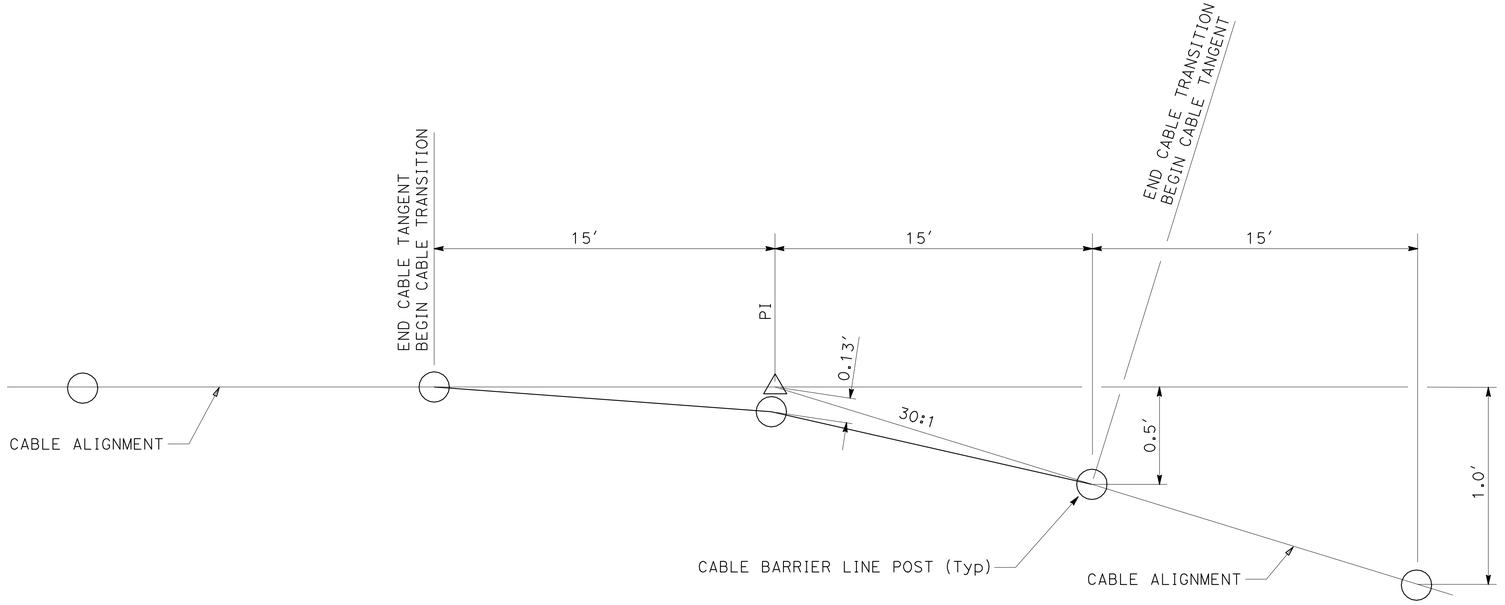
NOTES:

1. FOR OFFSETS, SEE TRANSITION DETAIL.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.

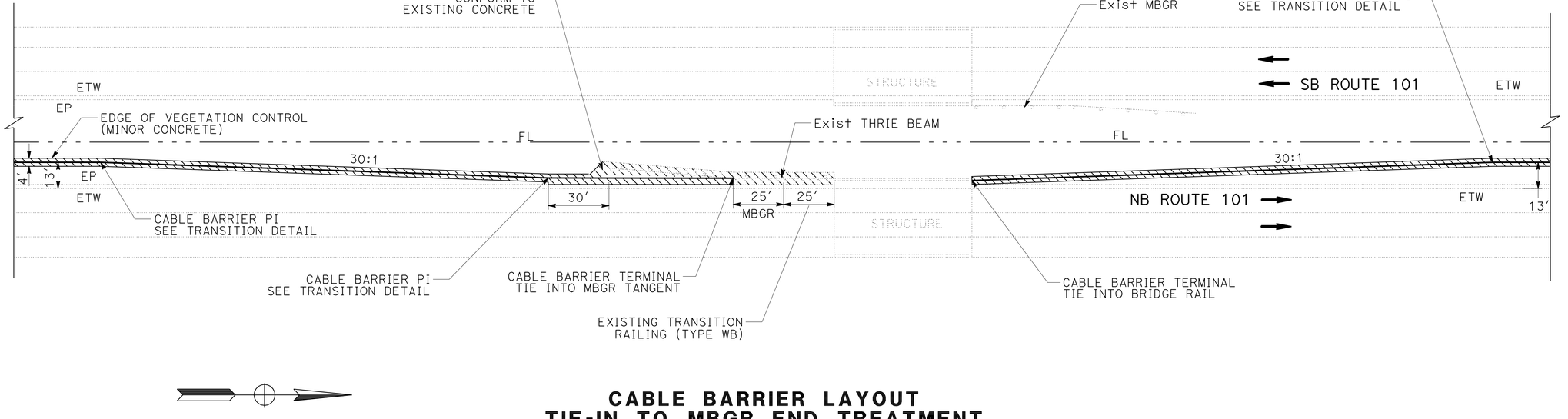


PROFILE

TRANSITION DETAIL (Typ)

CABLE BARRIER TIE IN LOCATIONS

BRIDGE (NB)	PM
ROBINSON Cr BRIDGE	21.91
SOUTH UKIAH OH	22.16
DOOLIN Cr BRIDGE	23.59
GIBSON Cr BRIDGE	24.30
ORRS Cr BRIDGE	25.01
PRESSWOOD OH	25.72
NORTH STATE UC	26.16
ACKERMAN Cr BRIDGE	26.66
HENSLEY Cr BRIDGE	27.00
LAKE MENDECINO Dr UC	27.41
YORK Cr BRIDGE	28.26
POMO LANE UC	28.56
MOORE St UC	30.43
ROUTE 101/20 SEPARATION	30.82



CABLE BARRIER LAYOUT TIE-IN TO MBGR END TREATMENT (UC BRIDGERAIL APPROACH) (Typ)

CONSTRUCTION DETAILS

NO SCALE

C-2

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LAST REVISION 07-14-10 | DATE PLOTTED => 28-JUL-2010 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 249990ga002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	5	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

7-26-10
PLANS APPROVAL DATE

JUSTIN W. BORDERS No. C65918 Exp. 6-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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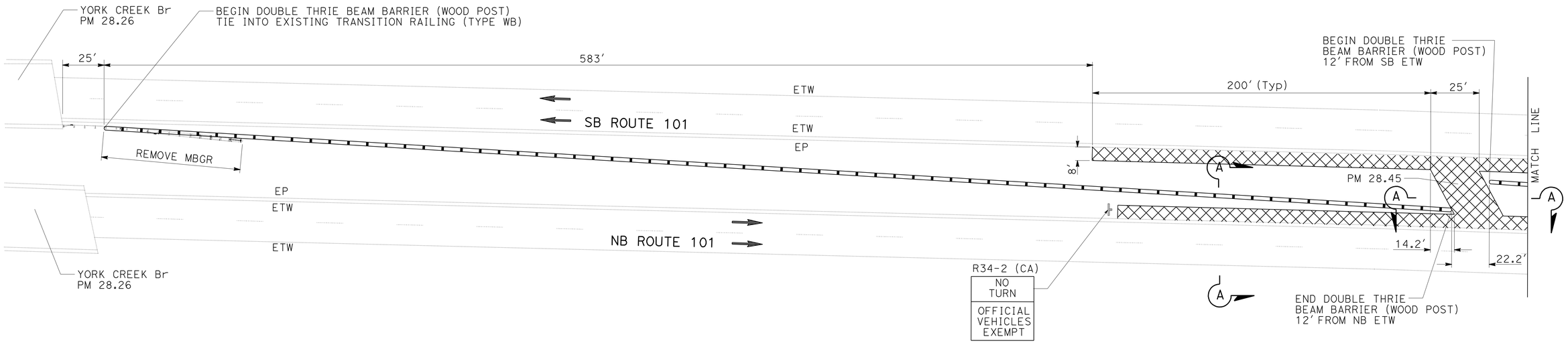
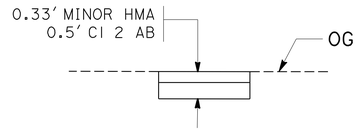
NOTE:

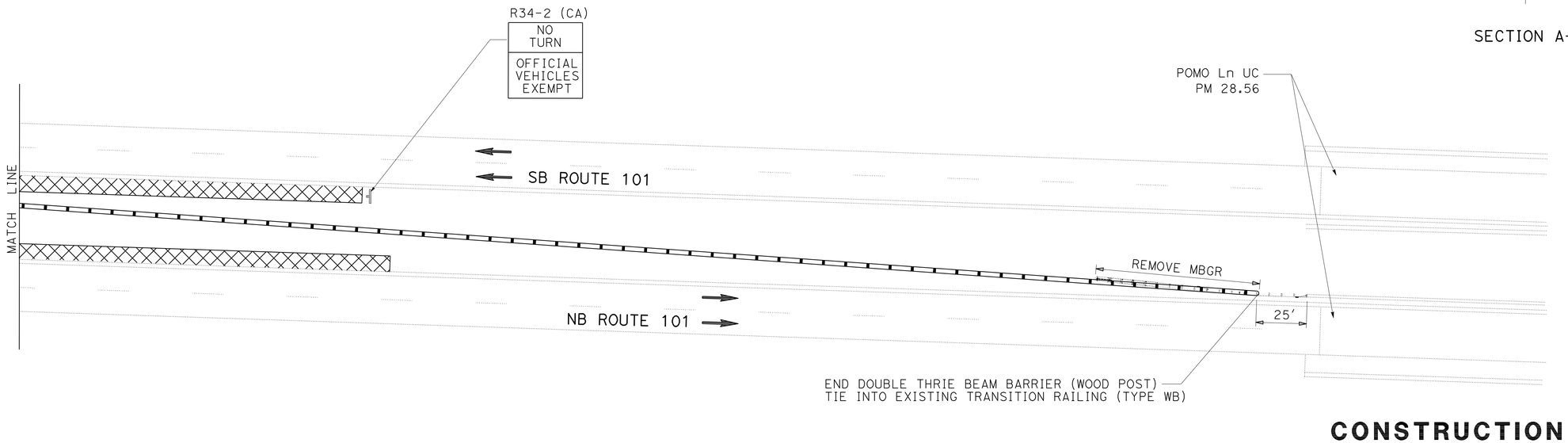
1. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.



PLAN



SECTION A-A



CONSTRUCTION DETAILS

NO SCALE

C-3

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LAST REVISION 07-14-10 | DATE PLOTTED => 28-JUL-2010 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 249990ga003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	6	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

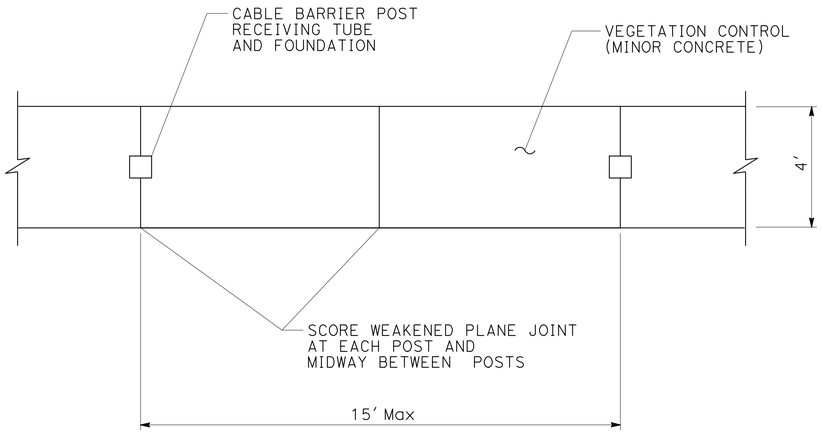
7-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JUSTIN W. BORDERS
No. C65918
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

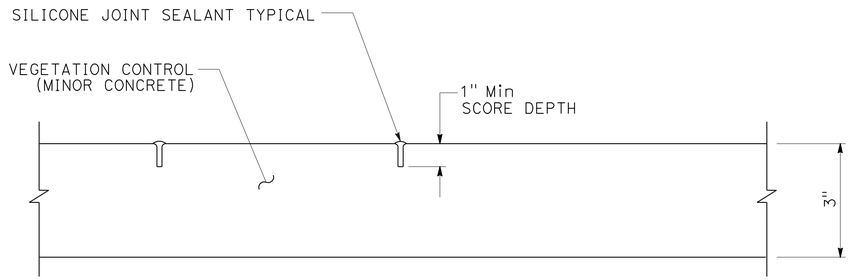
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. ASPHALT RUBBER JOINT SEALANT SHALL BE APPLIED TO ALL JOINTS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.

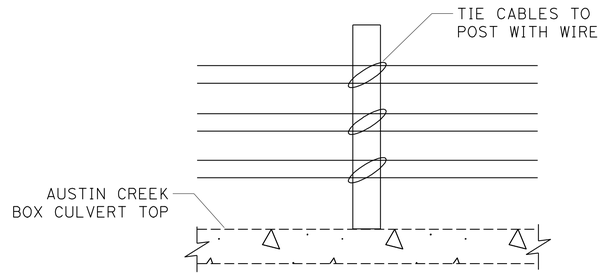


PLAN

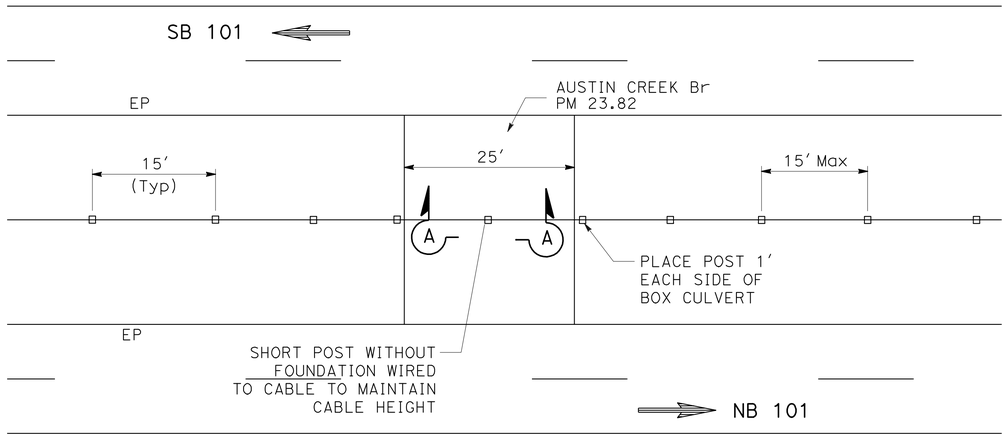


ELEVATION

VEGETATION CONTROL (MINOR CONCRETE) SCORING DETAIL



SECTION A-A



POST SPACING AROUND BOX CULVERT

CONSTRUCTION DETAILS

NO SCALE

C-4

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DESIGN
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P:\proj\01\49990_plans\pse\249990ga004.dgn

LAST REVISION 07-14-10 | DATE PLOTTED => 28-JUL-2010 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 249990ga004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	7	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

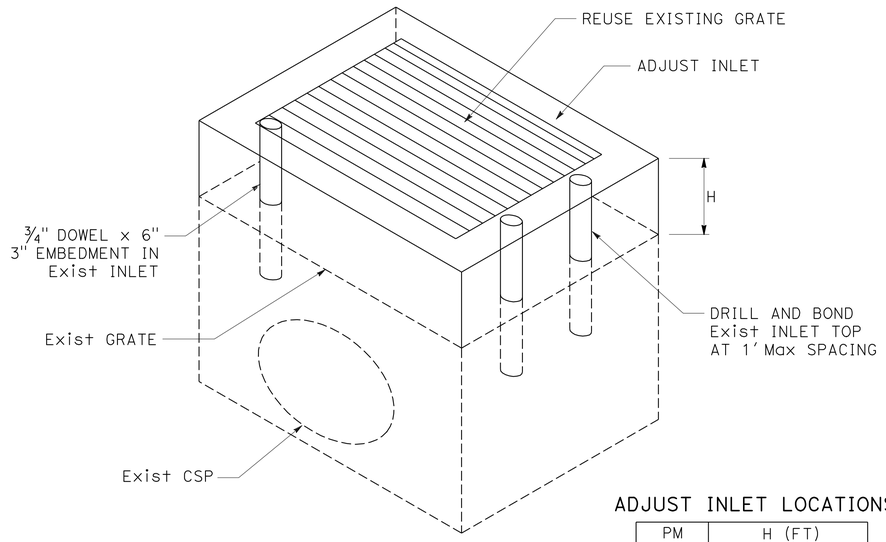
7-26-10
PLANS APPROVAL DATE

JUSTIN W. BORDERS No. C65918 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.

NOTES:

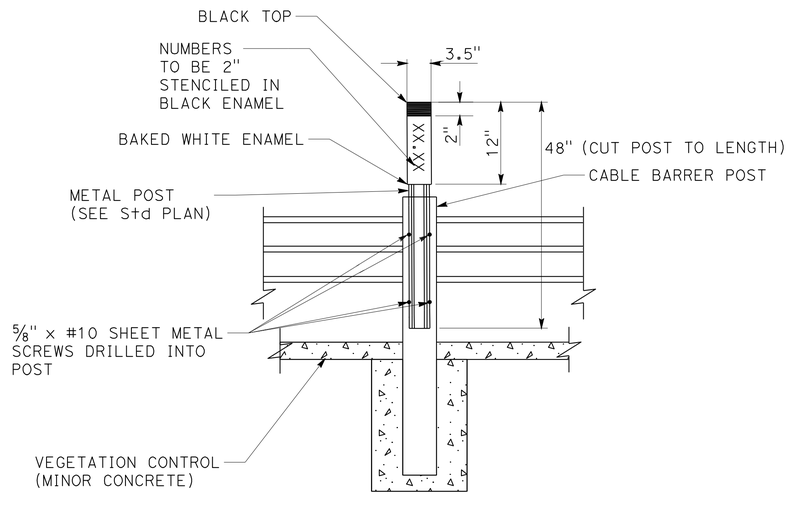
1. MODIFIED INLETS SHALL BE CAST IN PLACE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.



ADJUST INLET

ADJUST INLET LOCATIONS

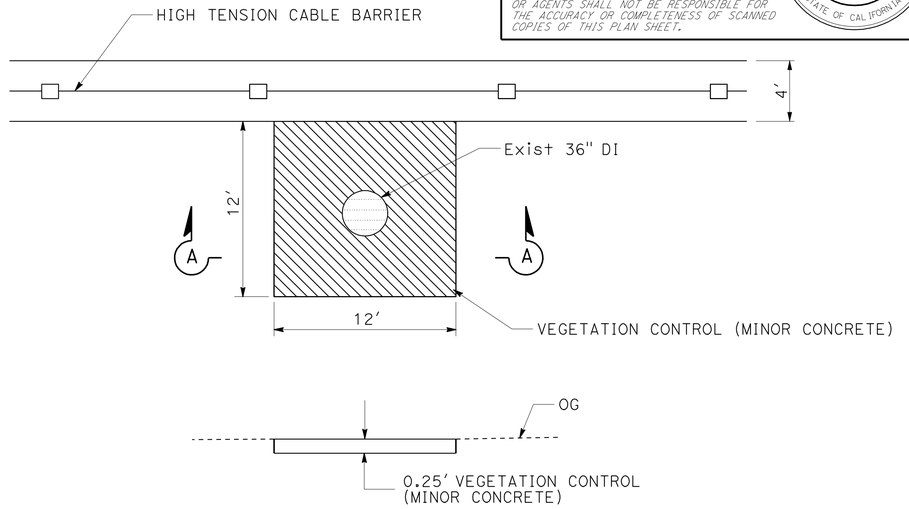
PM	H (FT)
21.05	0.5
21.21	0.5
21.55	0.5
22.44	1
25.94	0.75
27.16	0.5
29.52	0.75



CULVERT MARKER (BARRIER MOUNTED)

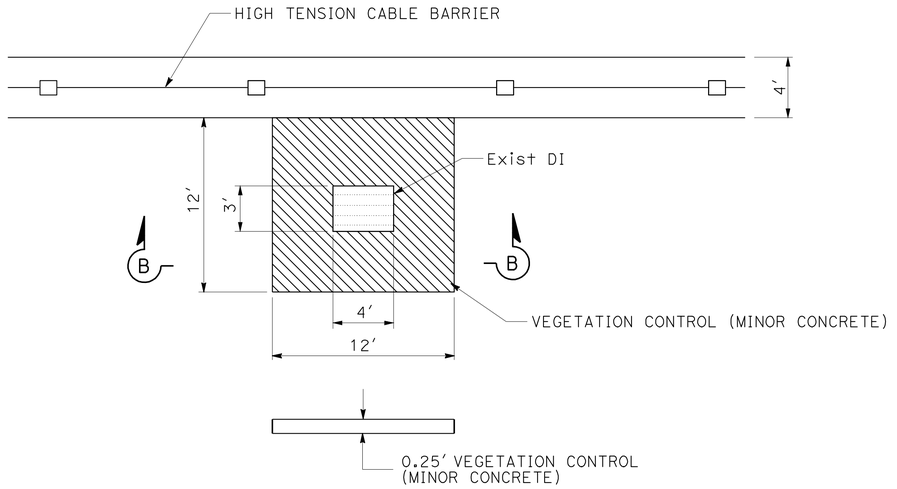
DRAINAGE INLET LOCATIONS

PM	GRATE TYPE
21.05	RECTANGULAR
21.21	RECTANGULAR
21.55	RECTANGULAR
21.65	RECTANGULAR
21.67	RECTANGULAR
21.84	RECTANGULAR
22.44	RECTANGULAR
22.96	CIRCULAR
23.22	RECTANGULAR
23.42	RECTANGULAR
23.72	RECTANGULAR
24.45	RECTANGULAR
24.85	RECTANGULAR
25.12	CIRCULAR
25.23	RECTANGULAR
25.36	RECTANGULAR
25.51	RECTANGULAR
25.88	RECTANGULAR
26.31	RECTANGULAR
26.46	RECTANGULAR
26.53	RECTANGULAR
26.60	RECTANGULAR
26.92	RECTANGULAR
27.16	RECTANGULAR
27.26	RECTANGULAR DOUBLE GRATE
27.30	RECTANGULAR
27.53	RECTANGULAR
27.75	RECTANGULAR
28.19	RECTANGULAR
28.38	RECTANGULAR
28.48	RECTANGULAR
28.57	RECTANGULAR
28.68	RECTANGULAR
28.81	RECTANGULAR
28.96	RECTANGULAR
29.10	RECTANGULAR
29.28	RECTANGULAR
29.39	RECTANGULAR
29.52	RECTANGULAR
29.62	RECTANGULAR
29.82	RECTANGULAR
29.89	RECTANGULAR
29.97	RECTANGULAR
30.22	RECTANGULAR
30.38	RECTANGULAR
30.45	RECTANGULAR
30.54	RECTANGULAR
30.61	RECTANGULAR



SECTION A-A

CONCRETE APRON DETAIL (CIRCULAR DI)



SECTION B-B

CONCRETE APRON DETAIL (RECTANGULAR DI)

CONSTRUCTION DETAILS

NO SCALE **C-5**

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
BILL LEHMAN
JUSTIN BORDERS
FUNCTIONAL SUPERVISOR
AL TRUJILLO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
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LAST REVISION DATE PLOTTED => 28-JUL-2010
TIME PLOTTED => 13:18
07-14-10

BORDER LAST REVISED 7/2/2010
USERNAME => trstrk
DGN FILE => 249990ga005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0316
PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	8	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

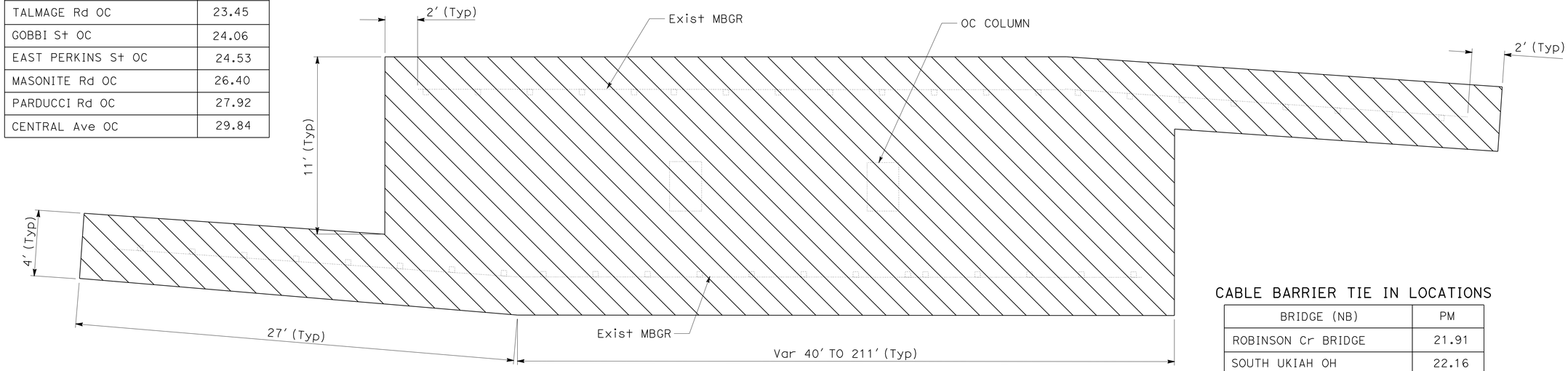
7-26-10
PLANS APPROVAL DATE

JUSTIN W. BORDERS No. C65918 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.

COLUMN LOCATIONS

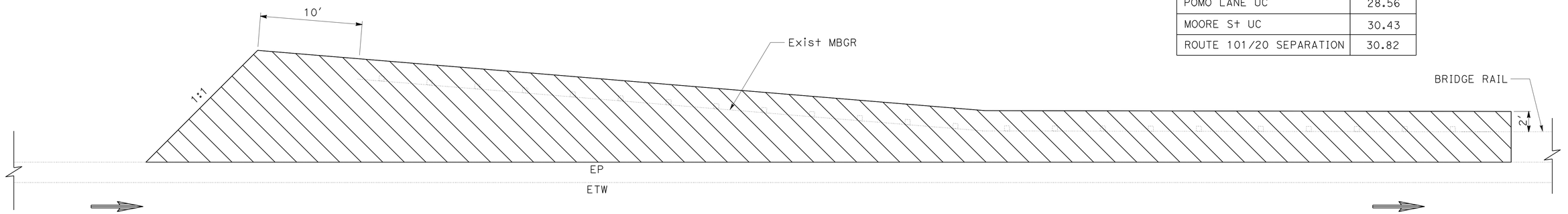
BRIDGE	PM
EL ROBLE Rd OC	19.68
FRACCHIA Rd OC	20.65
ROUTE 253/101 SEPARATION	21.59
TREATMENT PLANT OC	21.80
TALMAGE Rd OC	23.45
GOBBI St OC	24.06
EAST PERKINS St OC	24.53
MASONITE Rd OC	26.40
PARDUCCI Rd OC	27.92
CENTRAL Ave OC	29.84



TYPICAL VEGETATION CONTROL AT STRUCTURE OVERCROSSINGS

CABLE BARRIER TIE IN LOCATIONS

BRIDGE (NB)	PM
ROBINSON Cr BRIDGE	21.91
SOUTH UKIAH OH	22.16
DOOLIN Cr BRIDGE	23.59
GIBSON Cr BRIDGE	24.30
ORRS Cr BRIDGE	25.01
PRESSWOOD OH	25.72
NORTH STATE UC	26.16
ACKERMAN Cr BRIDGE	26.66
HENSLEY Cr BRIDGE	27.00
LAKE MENDECINO Dr UC	27.41
YORK Cr BRIDGE	28.26
POMO LANE UC	28.56
MOORE St UC	30.43
ROUTE 101/20 SEPARATION	30.82



TYPICAL VEGETATION CONTROL AT STRUCTURE CONNECTIONS

CONSTRUCTION DETAILS

NO SCALE **C-6**

REVISED BY | DATE REVISED
BILL LEHMAN | JUSTIN BORDERS
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: AL TRUJILLO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

P:\proj1\01\49990_plans\pse\249990ga006.dgn

LAST REVISION | DATE PLOTTED => 28-JUL-2010
07-14-10 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 249990ga006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	9	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

7-26-10
PLANS APPROVAL DATE

JUSTIN W. BORDERS No. C65918 Exp. 6-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: BILL LEHMAN
CHECKED BY: JUSTIN BORDERS
FUNCTIONAL SUPERVISOR: AL TRUJILLO

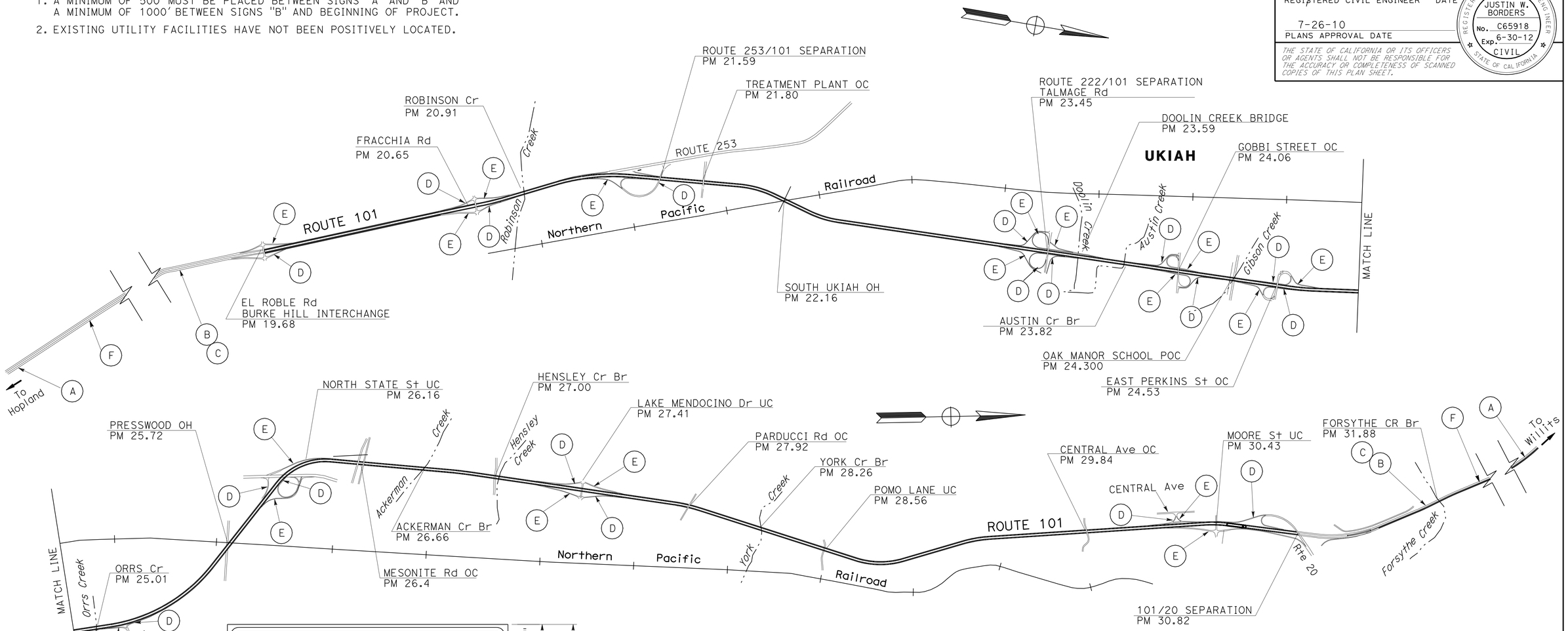
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

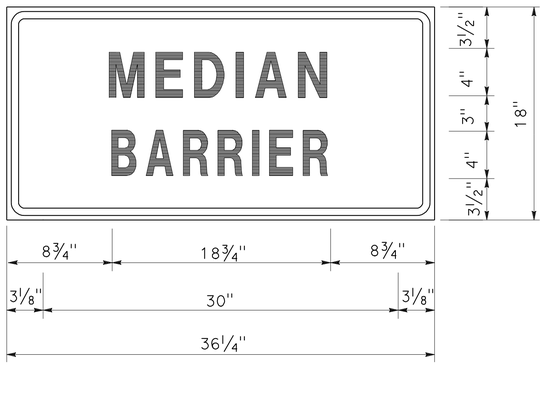
Caltrans®

P:\proj\01\499901_plans\pse\2499901a001.dgn

NOTES:

1. A MINIMUM OF 500' MUST BE PLACED BETWEEN SIGNS "A" AND "B" AND A MINIMUM OF 1000' BETWEEN SIGNS "B" AND BEGINNING OF PROJECT.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN POSITIVELY LOCATED.





1.5" RADIUS, 0.6" BORDERS, 0.4" INDENT, BLACK ON ORANGE;

C23B SIGN PANEL DETAIL
PLACE UNDER G20-1 SIGN

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	No. AND SIZE OF POSTS	No. OF SIGNS	COMMENTS
(A)	C40A (CA)	48" x 48"	TRAFFIC FINES DOUBLED IN WORK AREA	2 - 4" x 6"	2	
(B)	G20-1	48" x 48"	ROAD WORK NEXT 11 MILES	2 - 4" x 6"	2	PLACE "MEDIAN BARRIER" SIGN ON "ROAD WORK NEXT 11 MILES" SIGN POST
(C)	C23B (CA)	36" x 18"	MEDIAN BARRIER			
(D)	W20-1	48" x 48"	ROAD WORK AHEAD	17 - 4" x 6"	18	
(E)	G20-2	36" x 18"	END ROAD WORK	17 - 4" x 4"	18	
(F)	W11-1	48" x 48"	BICYCLE SYMBOL	2 - 4" x 6"	2	PLACE "SHARE THE ROAD" SIGN ON "BICYCLE SYMBOL" SIGN POST
	W16-1	24" x 30"	SHARE THE ROAD		2	

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS
NO SCALE

CS-1

LAST REVISION | DATE PLOTTED => 28-JUL-2010
07-14-10 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 2499901a001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	10	24

Justin W Borders 07-14-10
REGISTERED CIVIL ENGINEER DATE

7-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JUSTIN W. BORDERS — No. C65918 — Exp. 6-30-12 — CIVIL — STATE OF CALIFORNIA

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NOTE:

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

ROADWAY QUANTITIES

PM TO PM	HIGH TENSION CABLE BARRIER	VEGETATION CONTROL (MINOR CONCRETE)	ROADWAY EXCAVATION	MINOR HMA	CLASS 2 AGGEGRATE BASE	HIGH TENSION CABLE BARRIER TERMINAL	(N) SILICONE JOINT SEALANT
	LF	SQYD	CY	TON	CY	EA	LF
19.68 TO 21.0	6970	3407	258			2	3717
21.0 TO 22.2	6336	3098	235			2	3379
22.2 TO 24.3	11088	5421	411			2	5914
24.3 TO 25.0	3696	1807	137			2	1971
25.0 TO 25.7	3696	1807	137			2	1971
25.7 TO 26.1	2112	1033	78			2	1126
26.1 TO 26.7	3168	1549	117			2	1690
26.7 TO 27.0	1584	774	59			2	845
27.0 TO 27.4	2112	1033	78			2	1126
27.4 TO 28.3	4752	2323	176			2	2534
28.3 TO 28.6	1584	774	59			2	845
28.6 TO 30.5	10032	4905	371			2	5350
30.5 TO 30.8	1584	774	59			2	845
CHP TURNAROUND PM28.5			233	188	141		
DRAINAGE INLETS		705	58				
MBGR		3983					
TOTAL	58714	33392	2465	188	141	26	31314

MBGR

LOCATION	REMOVE MBGR	DOUBLE THRIE BEAM BARRIER (WOOD POST)
PM TO PM	LF	LF
28.26 TO 28.56		1438
28.26	81	
28.56	81	
TOTAL	162	1438

ADJUST INLET

LOCATION	ADJUST INLET	(N) ADDITIONAL HEIGHT TO EXISTING INLET	COMMENTS
PM	EA	FT	
21.05	1	0.5	REUSE GRATE (N)
21.21	1	0.5	
21.55	1	0.5	
22.44	1	1.0	
25.94	1	0.75	
27.16	1	0.5	
29.52	1	0.75	
TOTAL	7		

DRAINAGE INLETS

LOCATION	* VEGETATION CONTROL (MINOR CONCRETE)	MARKER (CULVERT)	GRATE TYPE
PM	SQYD	EA	
21.05	14.7	1	RECTANGULAR
21.21	14.7	1	RECTANGULAR
21.55	14.7	1	RECTANGULAR
21.65	14.7	1	RECTANGULAR
21.67	14.7	1	RECTANGULAR
21.84	14.7	1	RECTANGULAR
22.44	14.7	1	RECTANGULAR
22.96	15.2	1	CIRCULAR
23.22	14.7	1	RECTANGULAR
23.42	14.7	1	RECTANGULAR
23.72	14.7	1	RECTANGULAR
24.45	14.7	1	RECTANGULAR
24.85	14.7	1	RECTANGULAR
25.12	15.2	1	CIRCULAR
25.23	14.7	1	RECTANGULAR
25.36	14.7	1	RECTANGULAR
25.51	14.7	1	RECTANGULAR
25.88	14.7	1	RECTANGULAR
26.31	14.7	1	RECTANGULAR
26.46	14.7	1	RECTANGULAR
26.53	14.7	1	RECTANGULAR
26.60	14.7	1	RECTANGULAR
26.92	14.7	1	RECTANGULAR
27.16	14.7	1	RECTANGULAR
27.26	13.3	1	RECTANGULAR DOUBLE GRATE
27.30	14.7	1	RECTANGULAR
27.53	14.7	1	RECTANGULAR
27.75	14.7	1	RECTANGULAR
28.19	14.7	1	RECTANGULAR
28.38	14.7	1	RECTANGULAR
28.48	14.7	1	RECTANGULAR
28.57	14.7	1	RECTANGULAR
28.68	14.7	1	RECTANGULAR
28.81	14.7	1	RECTANGULAR
28.96	14.7	1	RECTANGULAR
29.10	14.7	1	RECTANGULAR
29.28	14.7	1	RECTANGULAR
29.39	14.7	1	RECTANGULAR
29.52	14.7	1	RECTANGULAR
29.62	14.7	1	RECTANGULAR
29.82	14.7	1	RECTANGULAR
29.89	14.7	1	RECTANGULAR
29.97	14.7	1	RECTANGULAR
30.22	14.7	1	RECTANGULAR
30.38	14.7	1	RECTANGULAR
30.45	14.7	1	RECTANGULAR
30.54	14.7	1	RECTANGULAR
30.61	14.7	1	RECTANGULAR
TOTAL	705.2	48	

* TOTALS ARE INCLUDED ON ROADWAY QUANTITIES

MBGR (VEGETATION CONTROL)

LOCATION	* VEGETATION CONTROL (MINOR CONCRETE)	DIRECTION	BRIDGE TYPE
PM	SQYD	NB/SB	
19.68	103		OC
20.65	103		OC
21.59	103		OC
21.80	103		OC
21.91	100	NB	UC
	100	SB	
22.16	100	NB	UC
	100	SB	
23.45	103		OC
23.59	100	NB	UC
	100	SB	
24.06	103		OC
24.30	100	NB	UC
	100	SB	
24.53	103		OC
25.01	100	NB	UC
	100	SB	
25.72	100	NB	UC
	100	SB	
26.16	100	NB	UC
	100	SB	
26.40	456		OC
26.66	100	NB	UC
	100	SB	
27.00	100	NB	UC
	100	SB	
27.41	100	NB	UC
	100	SB	
27.92	103		OC
28.26	100	NB	UC
28.56	100	SB	UC
29.84	103		OC
30.43	100	NB	UC
	100	SB	
30.82	100	NB	UC
	100	SB	
TOTAL	3983		

* TOTALS ARE INCLUDED ON ROADWAY QUANTITIES

EROSION CONTROL

LOCATION	EROSION CONTROL (HYDROSEED)	FIBER (ERSOSION CONTROL) (N)	PURE LIVE SEED (EROSION CONTROL) (N)	STABALIZING EMULSION (N)	ORGANIC FERTILIZER (N)
PM TO PM	ACRE	LB	LB	LB	LB
19.7 TO 30.8	16	48000	1456	3200	1600

TEMPORARY WATER POLLUTION CONTROL

TEMPORARY FIBER ROLL	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CHECK DAM	TEMPORARY SOIL BINDER
LF	EA	LF	SQYD
368	48	384	87718

ROADSIDE SIGN (ONE POST)

PM	EA	SIGN CODE	NO TURN OFFICIAL VEHICLES EXEMPT
28.5	2	R34-2 (CA)	
TOTAL	2		

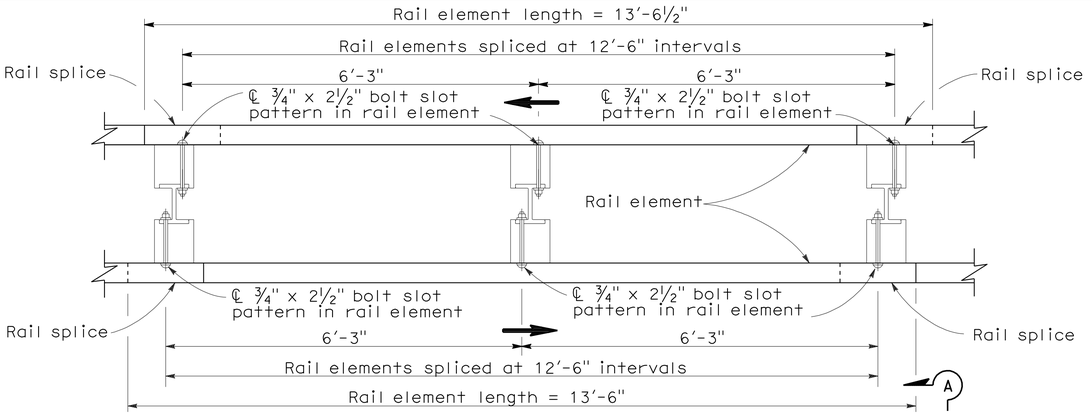
SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
BILL LEHMAN | JUSTIN BORDERS
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: AL TRUJILLO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

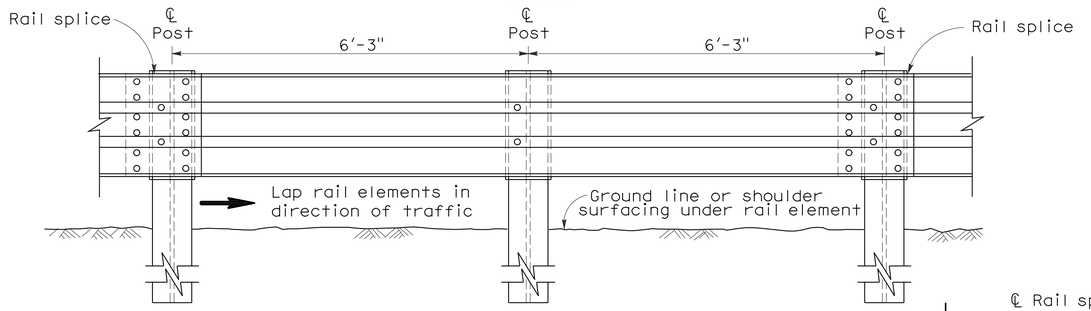
P:\proj1\01\v4990_plans\pse\249990pa001.dgn

LAST REVISION | DATE PLOTTED => 28-JUL-2010
07-14-10 | TIME PLOTTED => 13:18

BORDER LAST REVISED 7/2/2010 | USERNAME => trstrk | DGN FILE => 249990pa001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0316 | PROJECT NUMBER & PHASE 01000201071



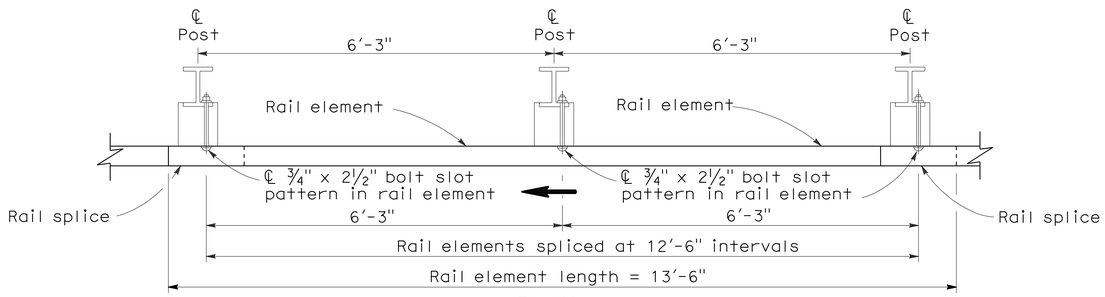
PLAN



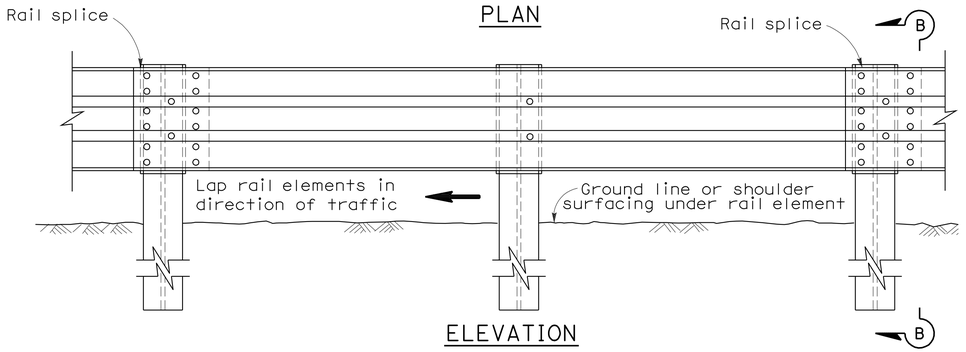
ELEVATION

DOUBLE THRIE BEAM BARRIER

(Steel post with notched wood or notched plastic blocks)
See Note 1



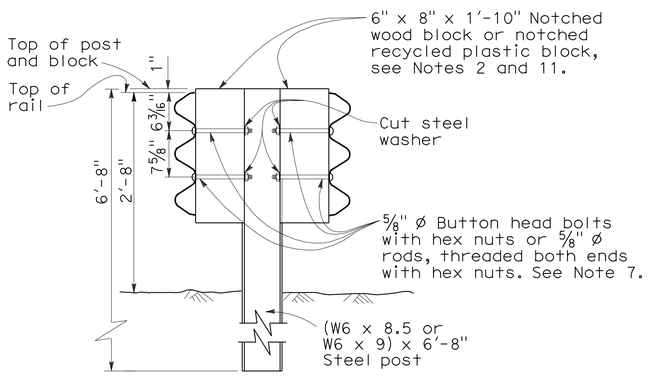
PLAN



ELEVATION

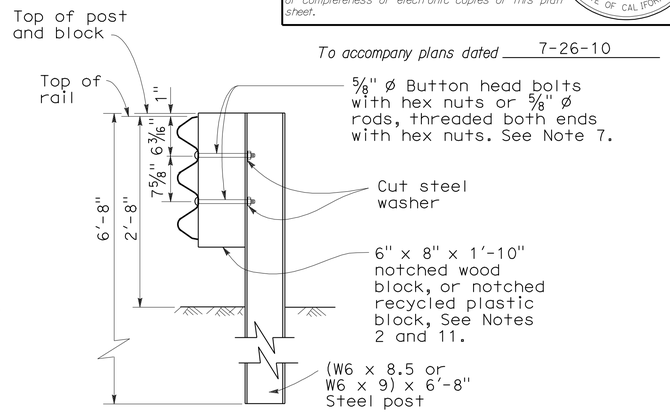
SINGLE THRIE BEAM BARRIER

(Steel post with notched wood or notched plastic blocks)
See Note 1



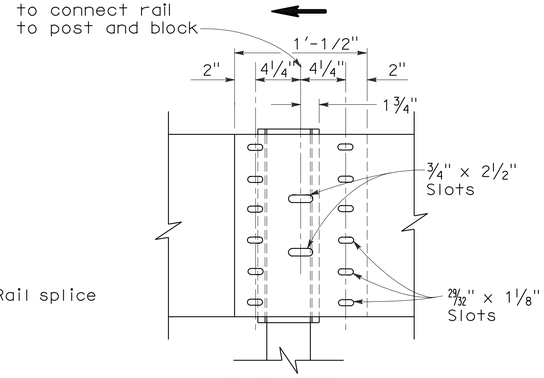
SECTION A-A

TYPICAL STEEL LINE POST INSTALLATION



SECTION B-B

TYPICAL STEEL LINE POST INSTALLATION



ELEVATION

RAIL ELEMENT SPLICE DETAIL

a) Connect the overlapped ends of the thrie beam rail elements with ⅝" Ø x 1⅛" button head oval shoulder bolts inserted into the 29/32" x 1⅛" slots and bolted together with ⅝" Ø x 1⅛" recessed hex nuts. Recess of hex nut points toward rail element. A total of 12 bolts and nuts are to be used at each rail splice connection.

b) The ends of the rail elements are to be overlapped in the direction of traffic (see details).

c) Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used. Where a return cap is to be attached to the ends of rail elements, a total of 8 of the above described splice bolts and nuts are to be used.

NOTES:

1. For details of the cross section of the thrie beam rail element and details for wood post with wood block installations, see Standard Plan A78A.
2. For details of standard hardware, posts and blocks used to construct thrie beam barrier, see Revised Standard Plan RSP A78C1 and Standard Plan A78C2.
3. Thrie beam barrier post spacing to be 6′-3" center to center, except as otherwise noted.
4. Top of barrier rail to be 2′-8" above ground line or shoulder surfacing under the rail element.
5. For barrier end treatments and barrier connections, see Standard Plans A78E1, A78E2 and A78E3, Revised Standard Plans RSPs A78F1 and A78F2, Standard Plan A78G and Revised Standard Plan RSP A78H.
6. For connection to Concrete Barrier, see Revised Standard Plan RSP A78I.
7. Attach rail element to block and steel post with 2 bolts or rods on approaching traffic side of block and post web. No washer on rail face for rod or bolted connections to line post.
8. For details of thrie beam barrier on bridges, see Standard Plan A78D2. For details of thrie beam barrier at fixed objects, see Standard Plan A78D1.
9. Direction of traffic indicated by →.
10. Notched face of block faces steel post.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	11	24

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 7-26-10

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

THRIE BEAM BARRIER STANDARD BARRIER RAILING SECTION (STEEL POST WITH NOTCHED WOOD BLOCK OR NOTCHED RECYCLED PLASTIC BLOCK)

NO SCALE

RSP A78B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A78B DATED MAY 1, 2006 - PAGE 84 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A78B

2006 REVISED STANDARD PLAN RSP A78B

5-14-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	19.7/30.8	12	24

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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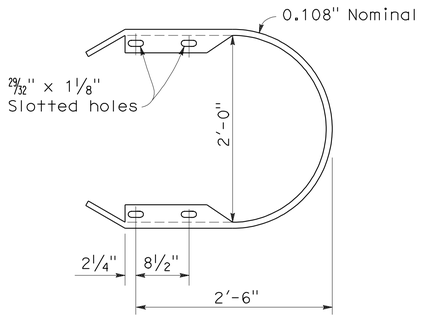
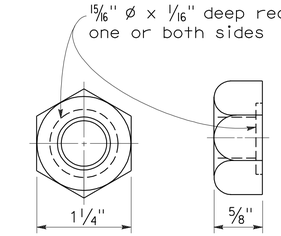
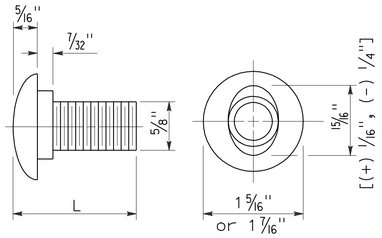
To accompany plans dated 7-26-10



RETURN CAP
(TYPE TA)

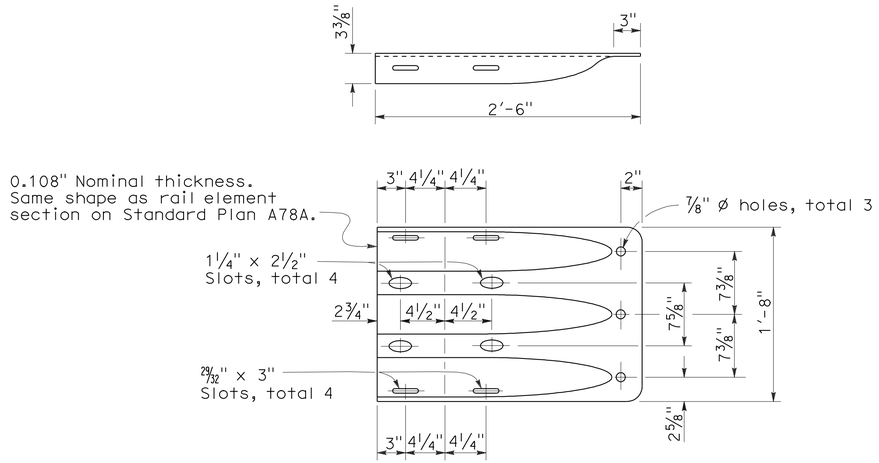


5/8" ø RECESS NUT



5/8" ø BUTTON HEAD BOLT

L	THREAD LENGTH
1 1/4"	full thread length
2"	full thread length
9 1/2"	4" Min thread length
18"	4" Min thread length



END CAP
(TYPE TC)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

THRIE BEAM BARRIER
STANDARD HARDWARE DETAILS

NO SCALE

RSP A78C1 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A78C1
DATED MAY 1, 2006 - PAGE 85 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A78C1

2006 REVISED STANDARD PLAN RSP A78C1

4-21-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	13	24

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 20, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-07 — CIVIL — STATE OF CALIFORNIA

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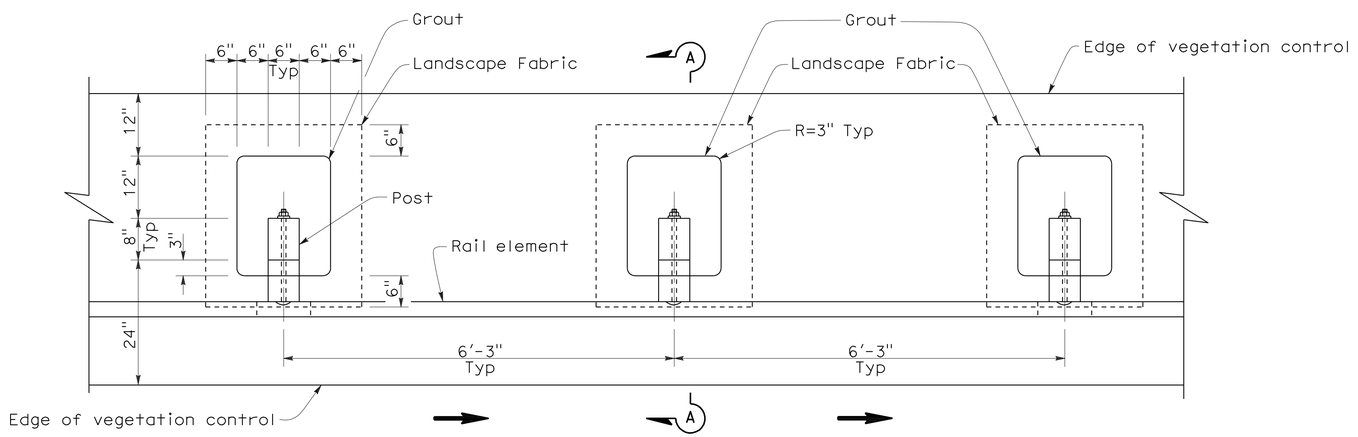
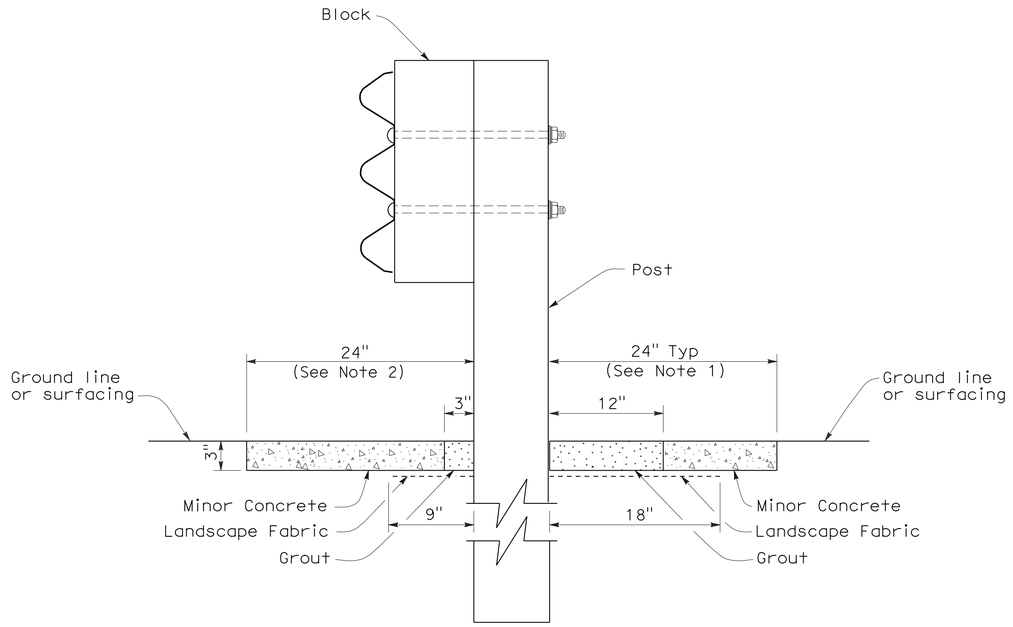
To accompany plans dated 7-26-10



PLAN

NOTES:

1. Where the distance between back of post and hinge point is less than 24", vegetation control to be constructed flush with the back edge of the post.
2. Where dike is constructed under barrier, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 24" in front of the post, construct vegetation control to the edge of paved shoulder.
3. Direction of adjacent traffic indicated by ➡.



SECTION A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SINGLE THRIE BEAM BARRIER
TYPICAL VEGETATION CONTROL
STANDARD BARRIER RAILING SECTION

NO SCALE

NSP A78C3 DATED OCTOBER 20, 2006 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A78C3

2006 NEW STANDARD PLAN NSP A78C3

7-17-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	14	24

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 20, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

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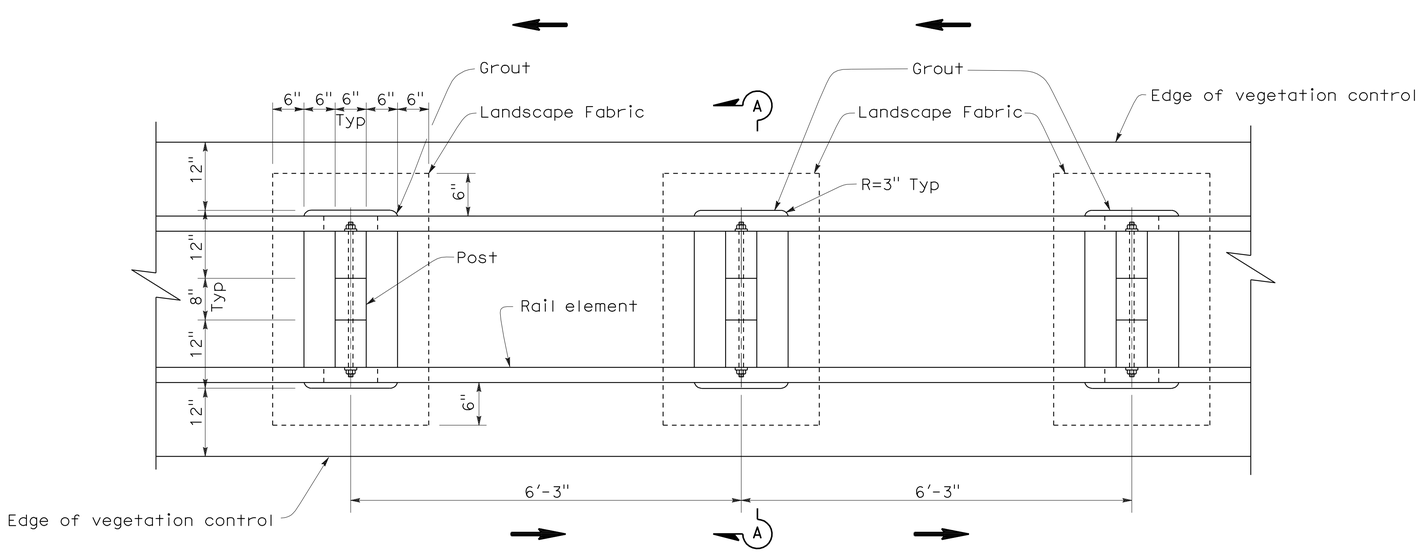
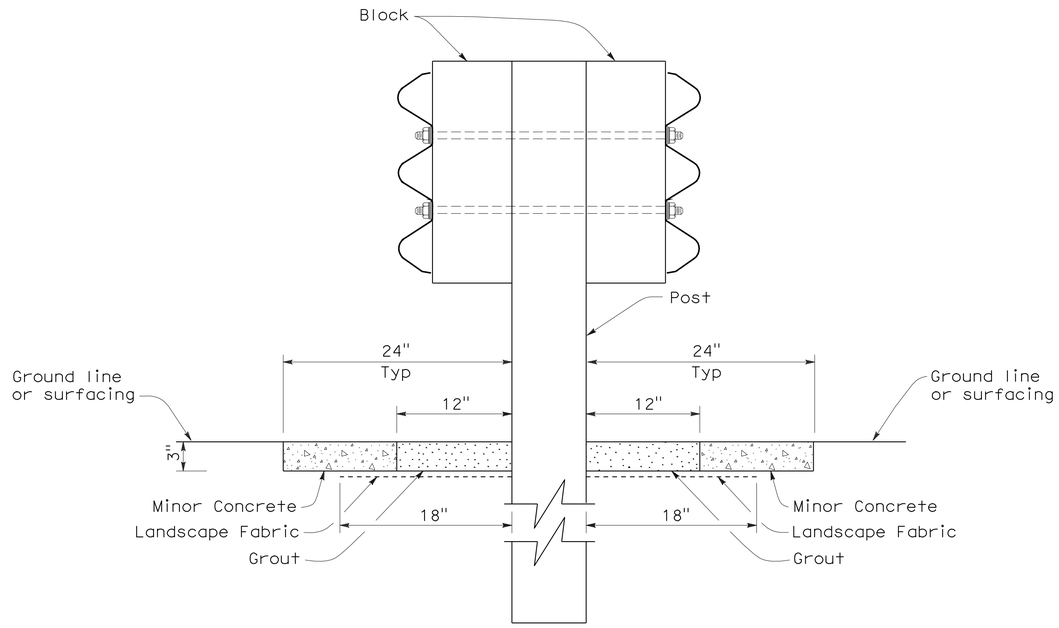
To accompany plans dated 7-26-10



PLAN



SECTION A-A

NOTE:

1. Direction of adjacent traffic indicated by →.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DOUBLE THRIE BEAM BARRIER
TYPICAL VEGETATION CONTROL
STANDARD BARRIER RAILING SECTION

NO SCALE

NSP A78C4 DATED OCTOBER 20, 2006 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A78C4

2006 NEW STANDARD PLAN NSP A78C4

7-17-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	15	24

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 20, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

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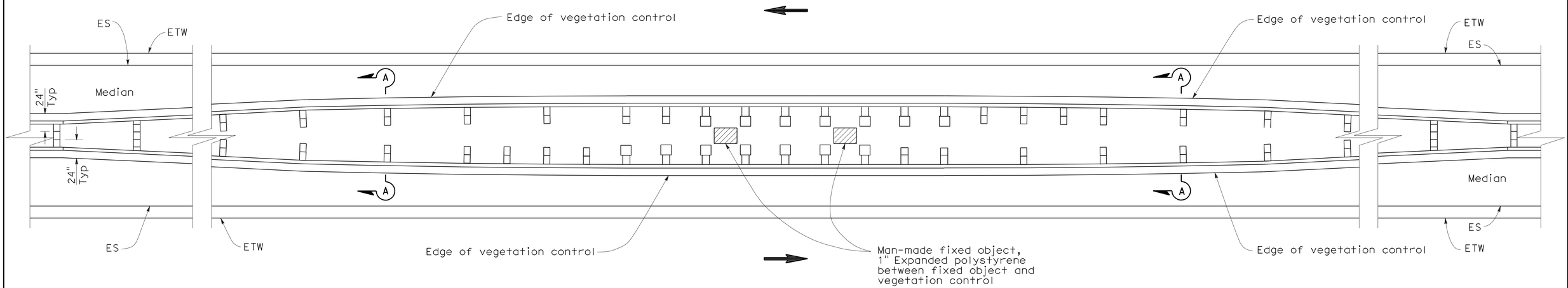
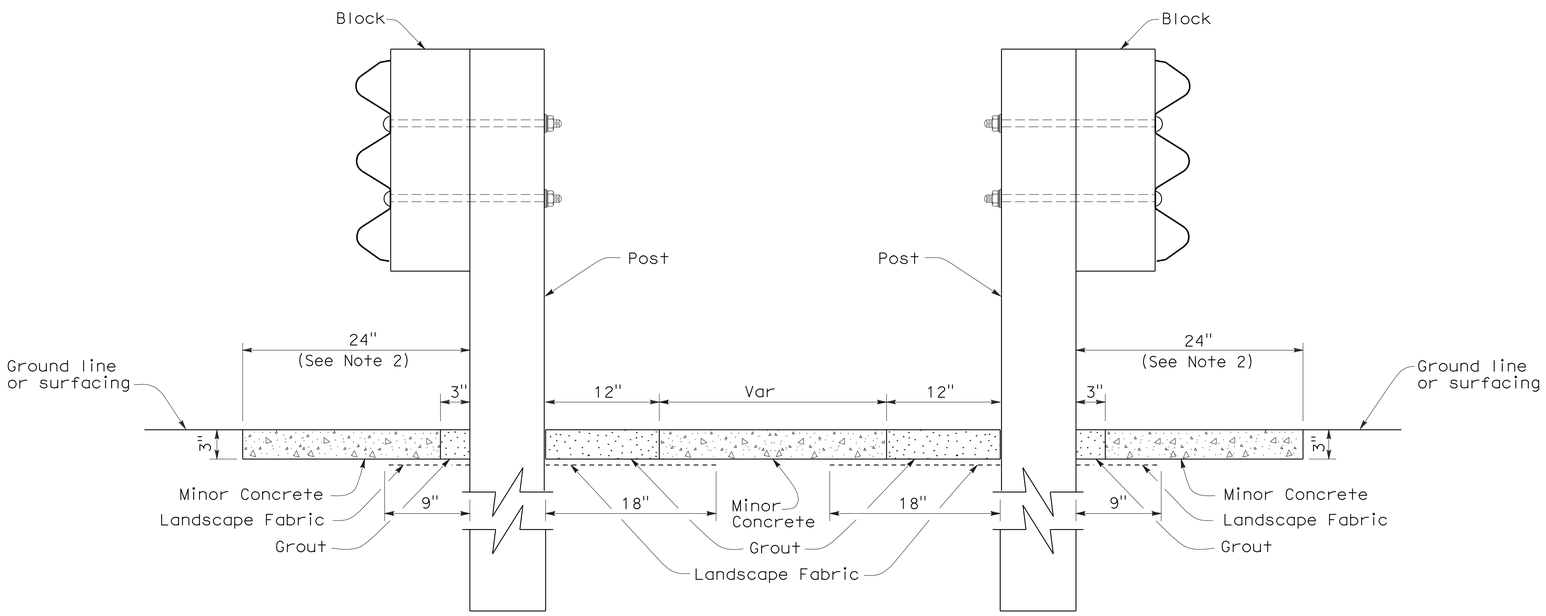
To accompany plans dated 7-26-10



PLAN



SECTION A-A

NOTES:

1. See New Standard Plan NSP A78C3 for additional vegetation control.
2. Where dike is constructed under barrier, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 24" in front of the post, construct vegetation control to the edge of paved shoulder.
3. Direction of adjacent traffic indicated by ←.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

THRIE BEAM BARRIER TYPICAL VEGETATION CONTROL AT FIXED OBJECTS IN MEDIAN

NO SCALE

NSP A78C5 DATED OCTOBER 20, 2006 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A78C5

2006 NEW STANDARD PLAN NSP A78C5

7-17-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	16	24

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 20, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

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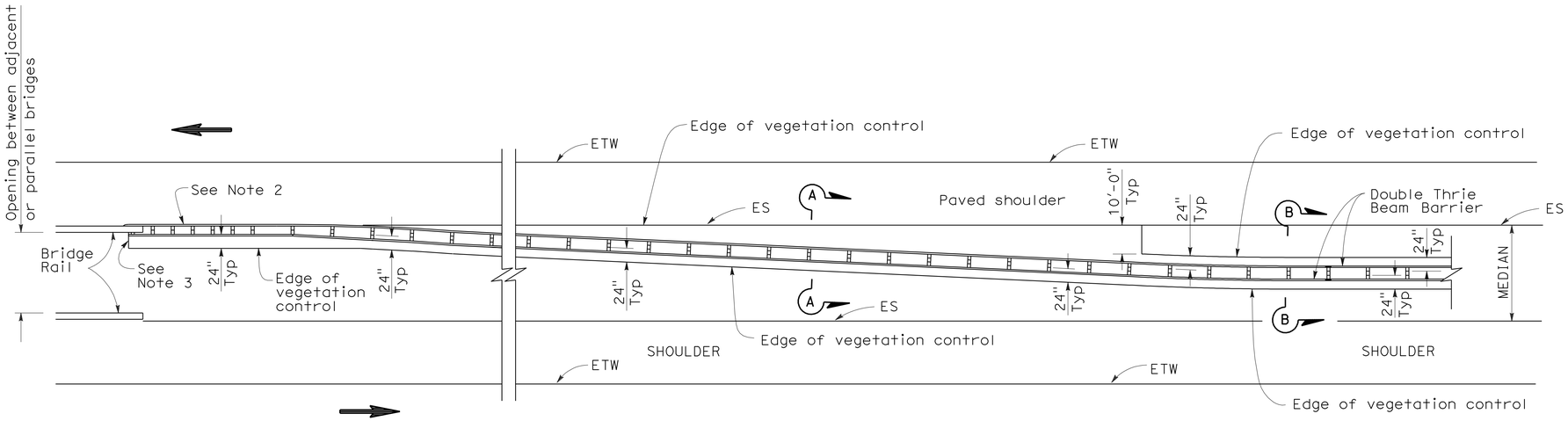
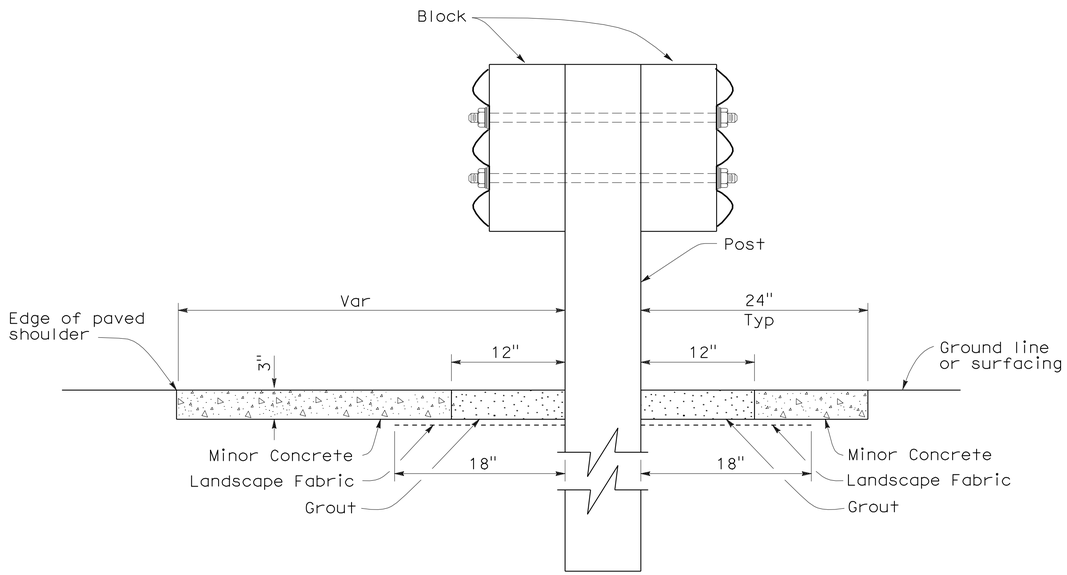
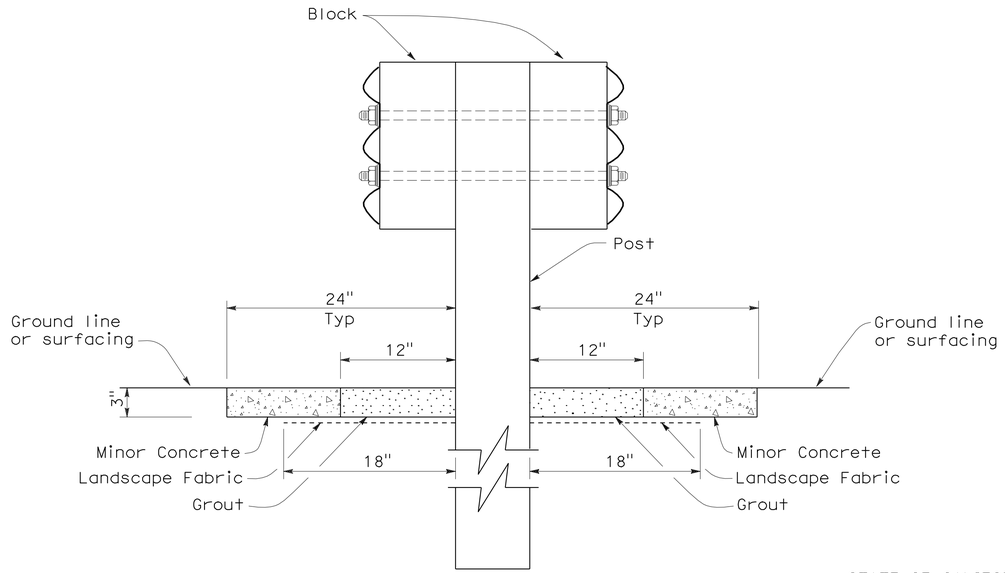
To accompany plans dated 7-26-10



PLAN



SECTION A-A



SECTION B-B

NOTES:

1. See New Standard Plan NSP A78C4 for additional vegetation control details.
2. Where dike is constructed under barrier, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 24" in front of the post, construct vegetation control to the edge of paved shoulder.
3. End vegetation control at end of backside rail element attached to bridge railing.
4. Direction of adjacent traffic indicated by ←.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

THRIE BEAM BARRIER TYPICAL VEGETATION CONTROL AT STRUCTURE APPROACH

NO SCALE

NSP A78C6 DATED OCTOBER 20, 2006 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A78C6

2006 NEW STANDARD PLAN NSP A78C6

7-17-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	17	24

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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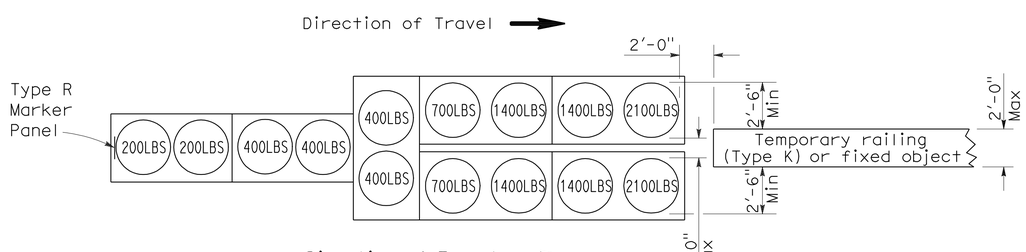
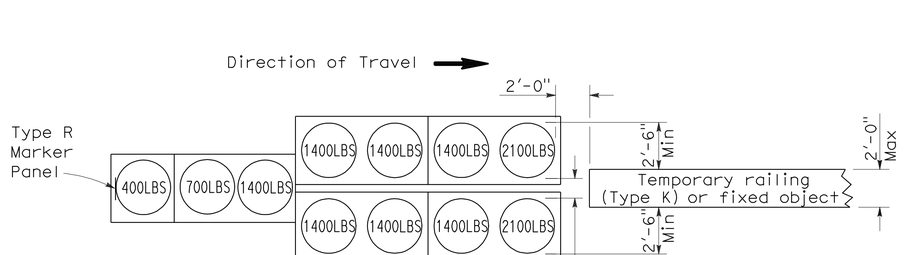
To accompany plans dated 7-26-10



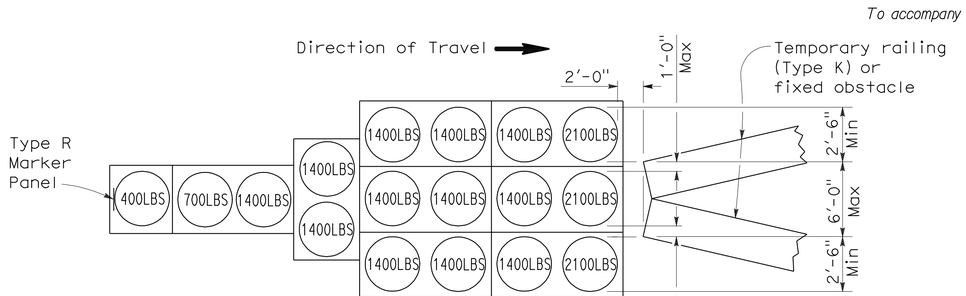
ARRAY 'TU14'

Approach speed 45 mph or more



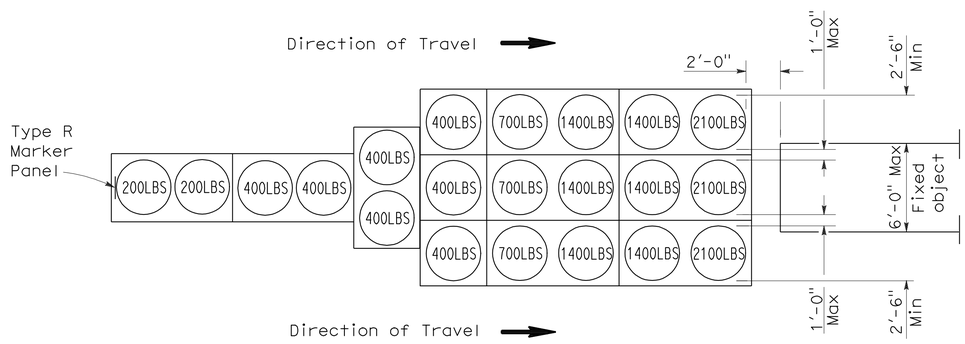
ARRAY 'TU11'

Approach speed less than 45 mph



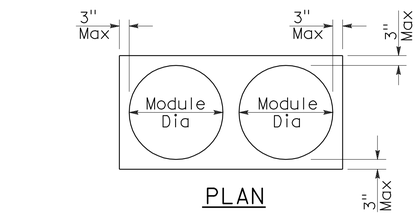
ARRAY 'TU17'

Approach speed less than 45 mph

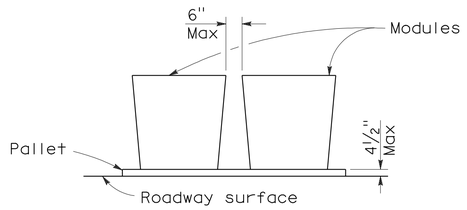


ARRAY 'TU21'

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
01	Men	101	19.7/30.8	18	24

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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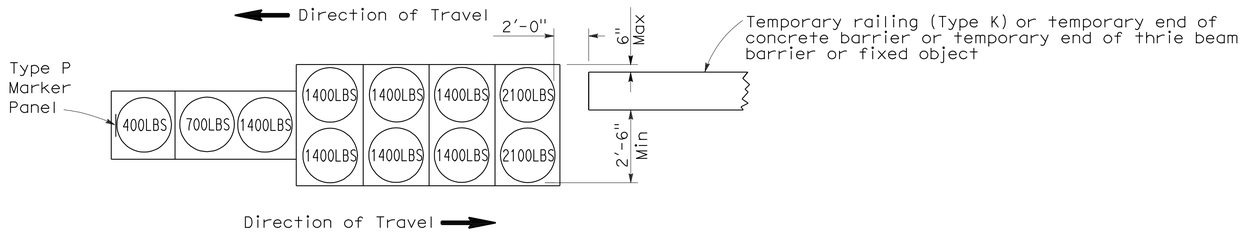
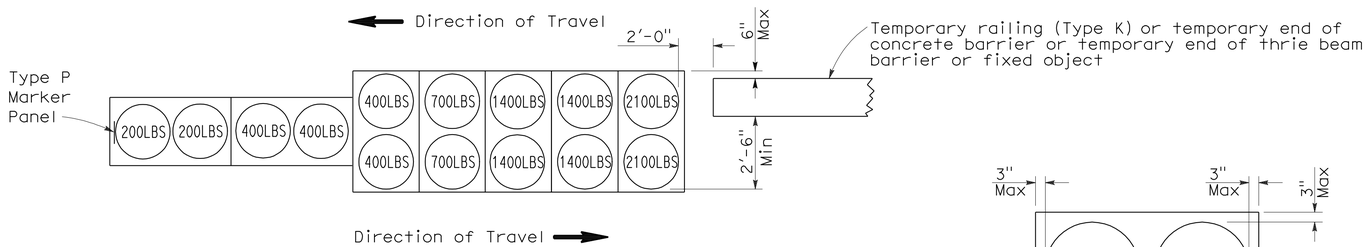
To accompany plans dated 7-26-10



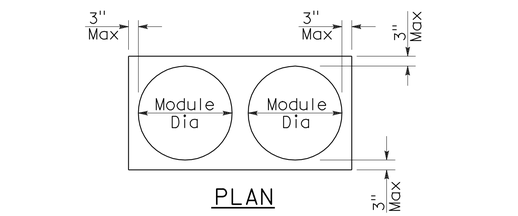
ARRAY 'TB11'

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
01	Men	101	19.7/30.8	19	24

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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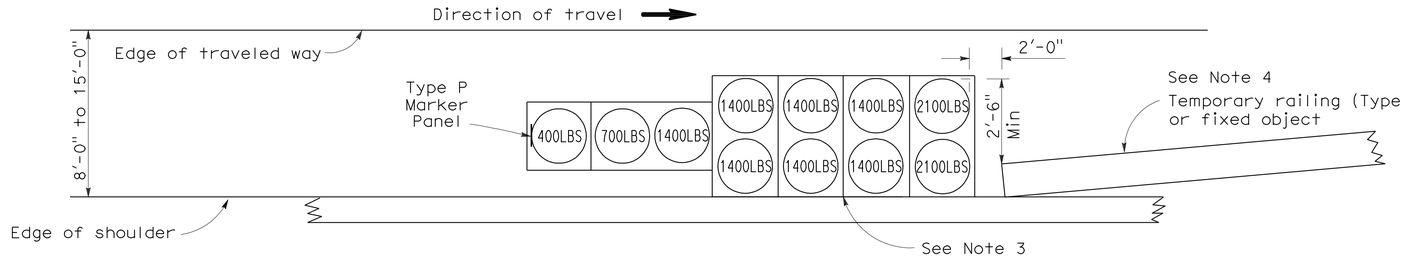
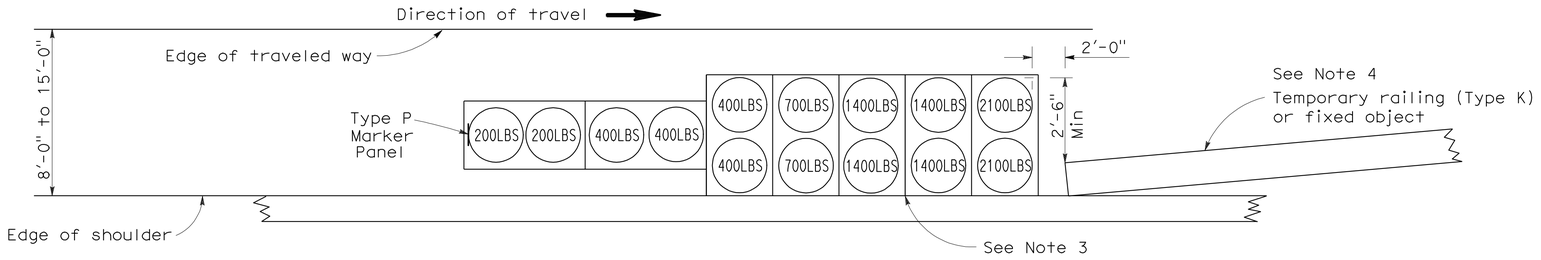
To accompany plans dated 7-26-10



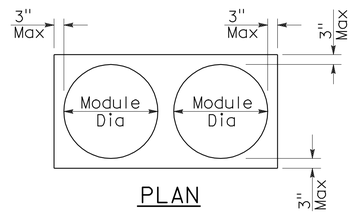
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

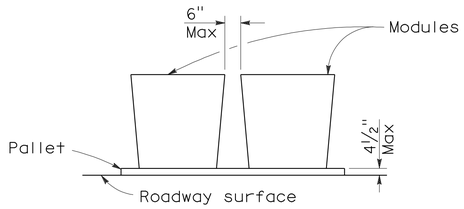


ARRAY 'TS14'

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
01	Men	101	19.7/30.8	20	24

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Registration Expires 11-30-10 Renewal Date — 2-25-09 Date — STATE OF CALIFORNIA

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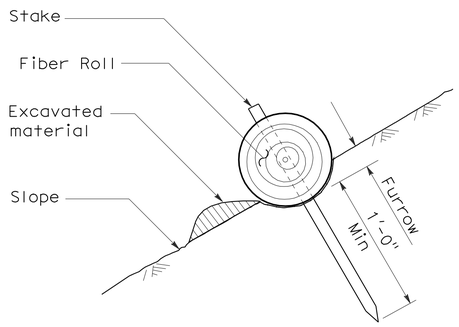
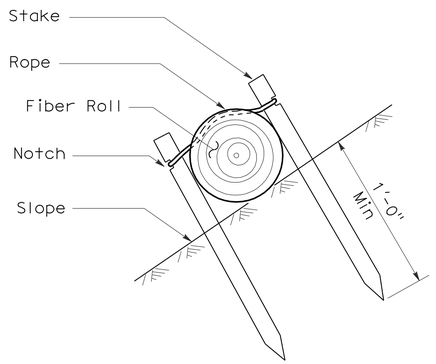
To accompany plans dated 7-26-10

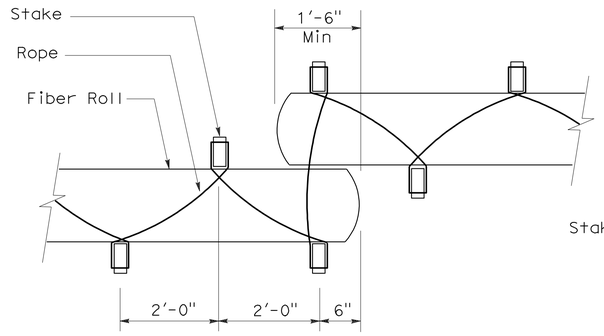


SECTION

TEMPORARY FIBER ROLL (TYPE 1)

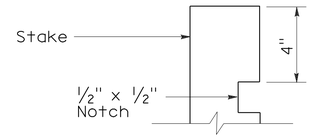


SECTION



PLAN

TEMPORARY FIBER ROLL (TYPE 2)

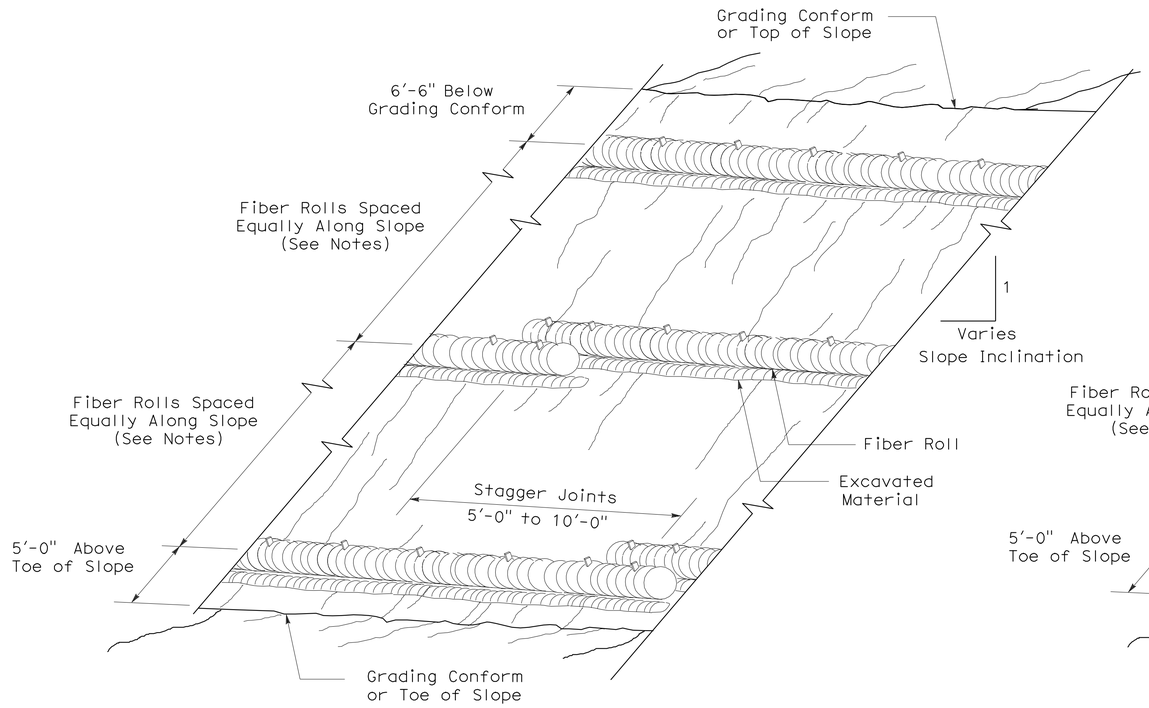


ELEVATION

STAKE NOTCH DETAIL

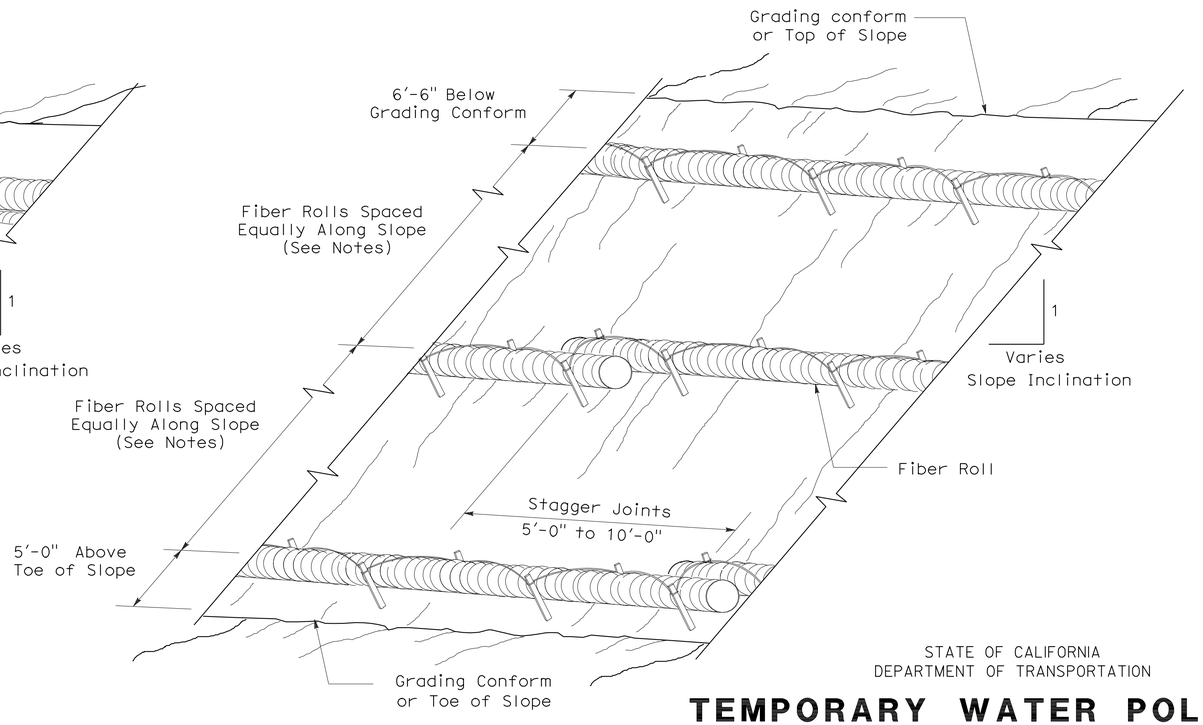
NOTES:

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

2006 REVISED STANDARD PLAN RSP T56

2-23-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	21	24

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS Approval DATE

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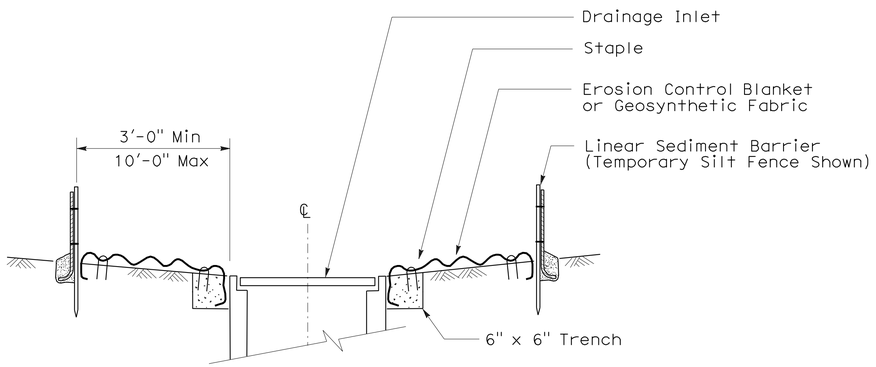
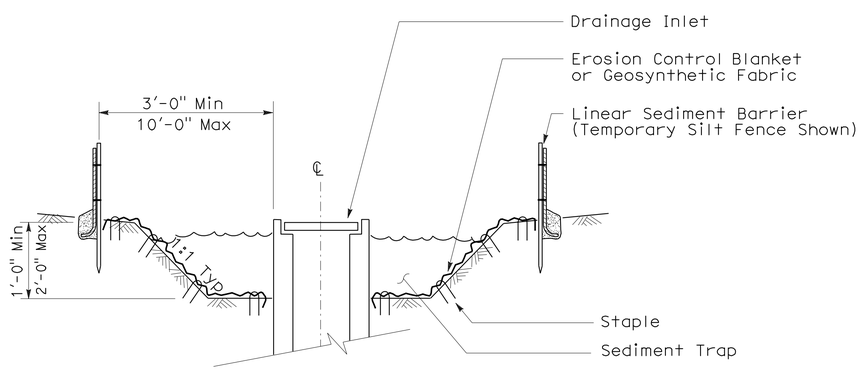
LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

To accompany plans dated 7-26-10



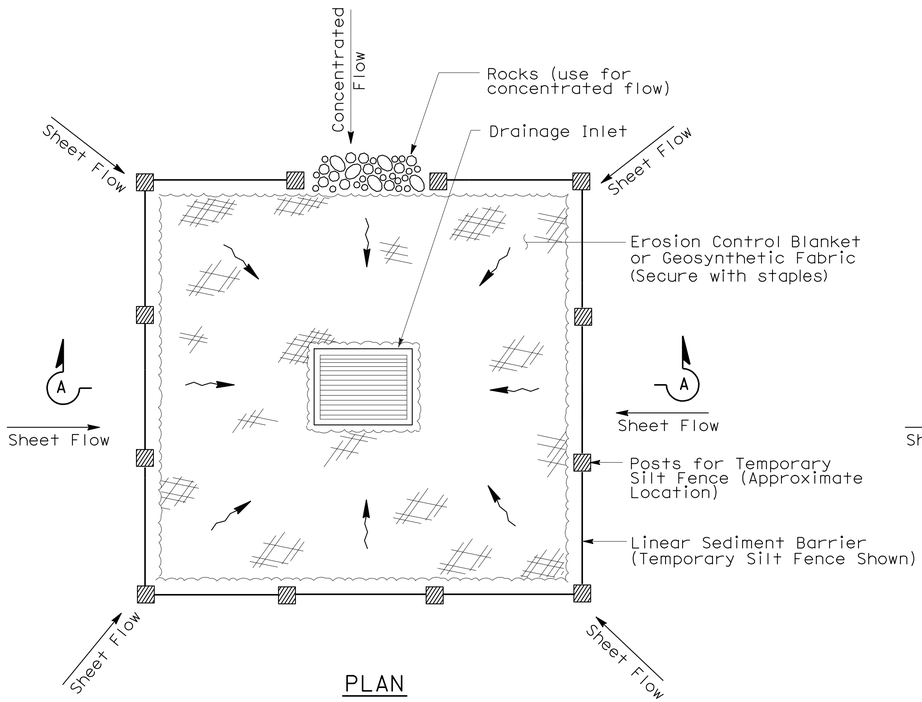
SECTION A-A



SECTION B-B

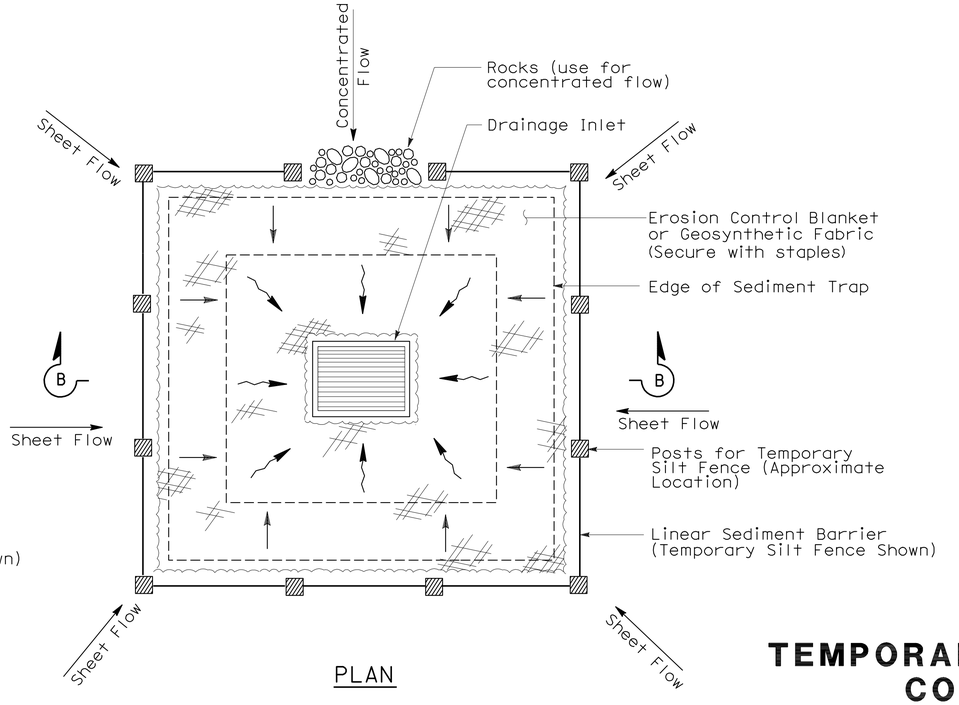
NOTES:

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



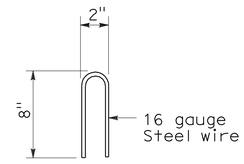
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

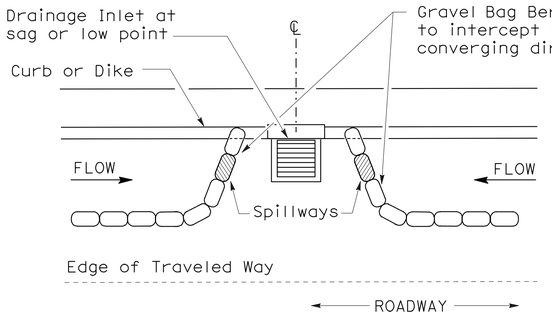
NO SCALE

NSP T61 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T61

2006 NEW STANDARD PLAN NSP T61

7-11-08



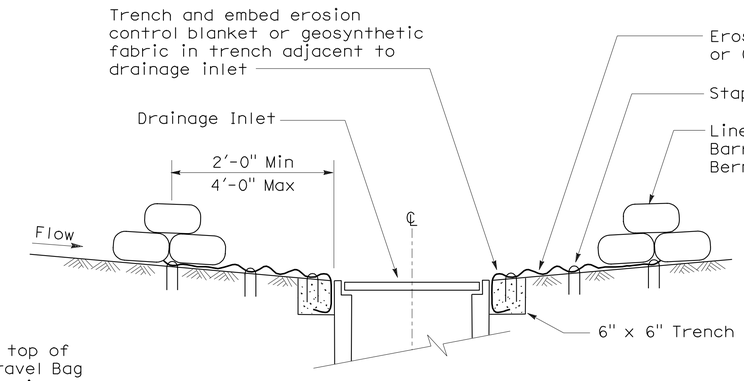
PLAN

CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)

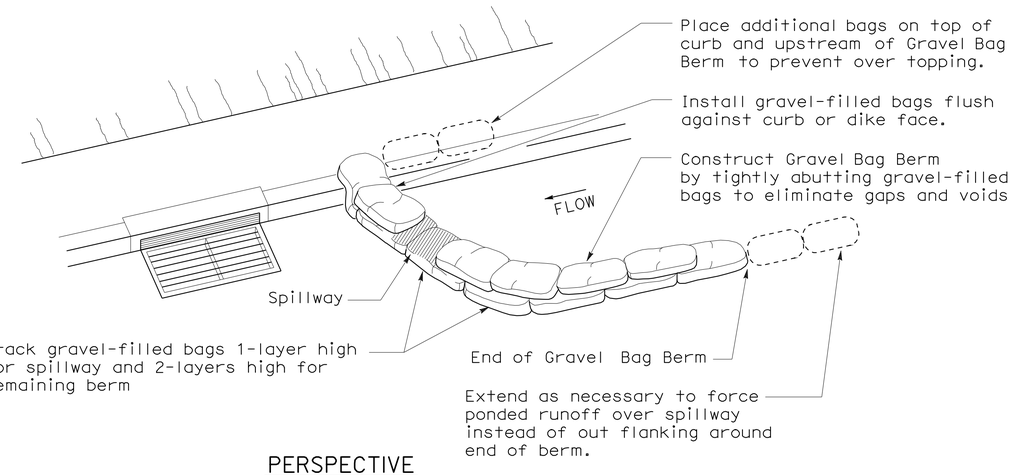
GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100′	75′	50′	25′	12′

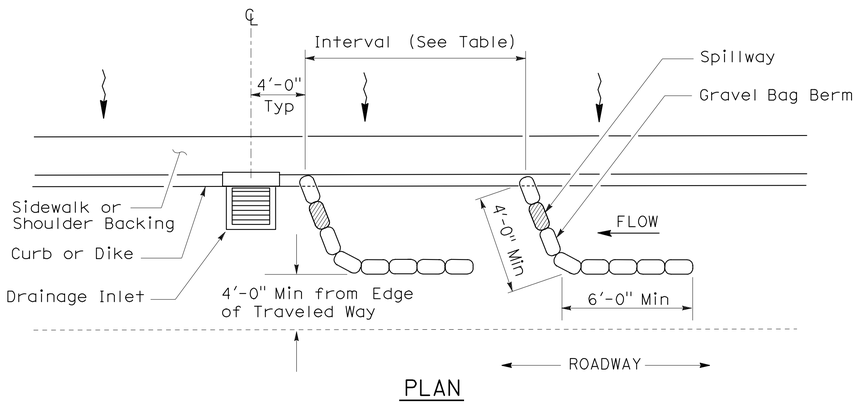
For slope of less than 1%, install barriers only if erosion/sediment is prevalent



SECTION A-A

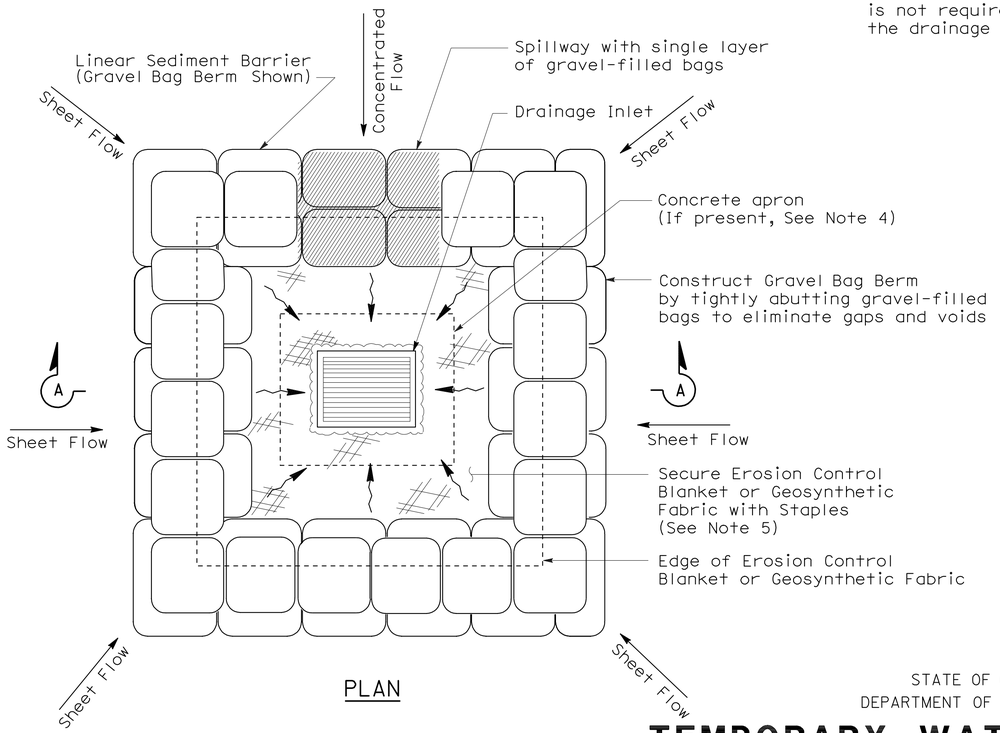


PERSPECTIVE



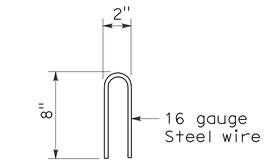
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

NOTES:

1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	22	24

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3035 Signature Date 11-04-08 Renewal Date 08-11-08 Date STATE OF CALIFORNIA

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To accompany plans dated 7-26-10

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T62

2006 NEW STANDARD PLAN NSP T62

7-11-08

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50′	35′	30′	25′	20′
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6′	6′	6′	6′	6′

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	23	24

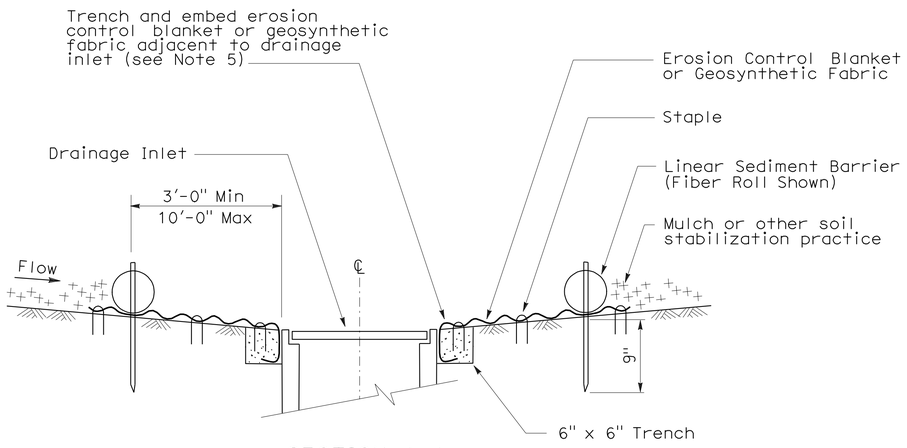
Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

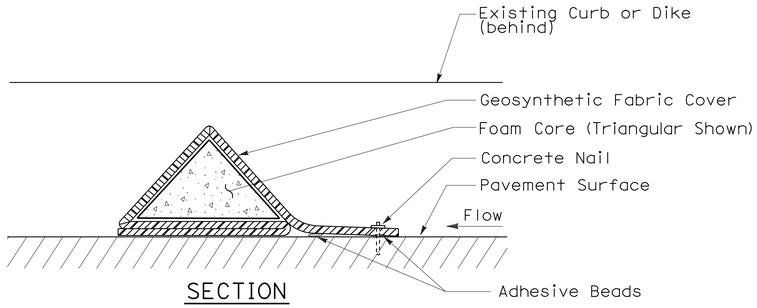
LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature Date 11-04-08 — Renewal Date 08-11-08 — Date — STATE OF CALIFORNIA

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 7-26-10



SECTION A-A

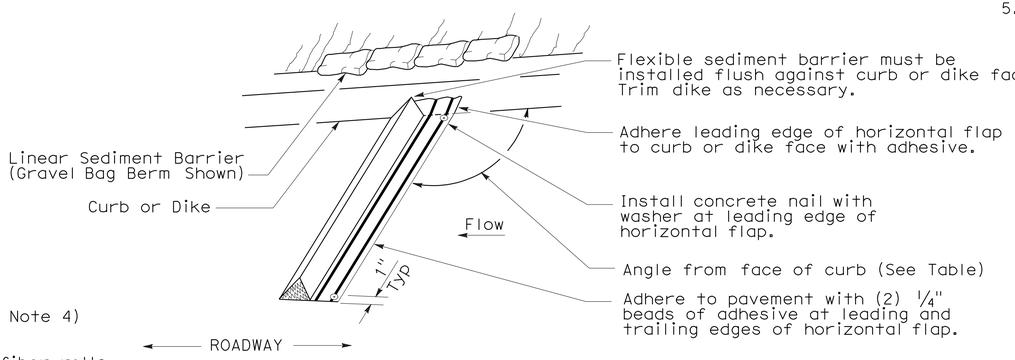


SECTION

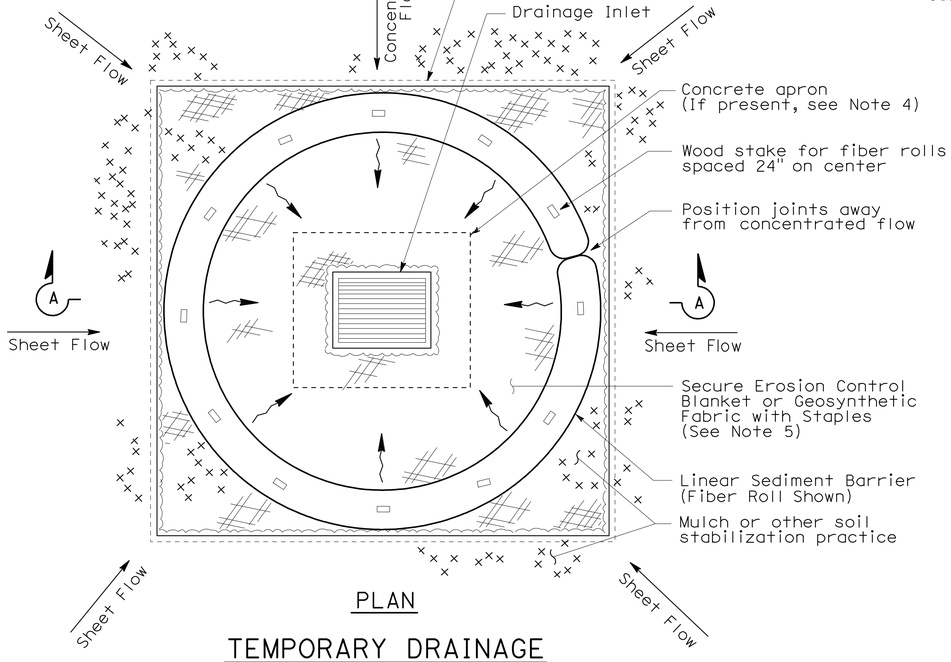
FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)

NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.

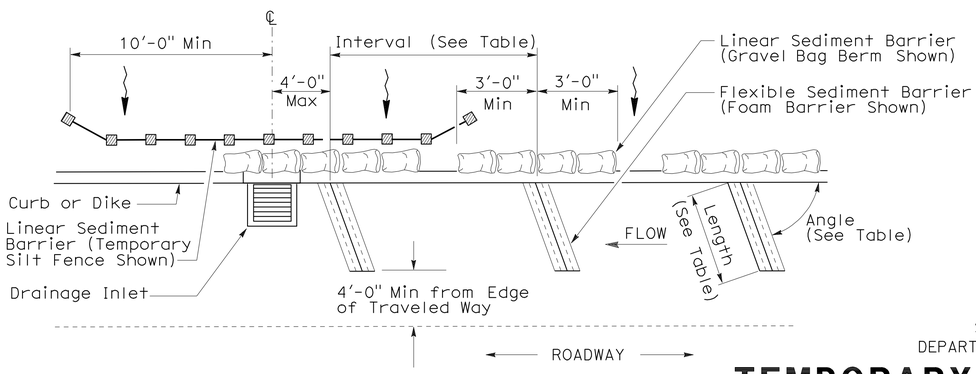


PERSPECTIVE



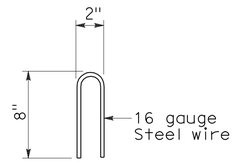
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4B) FLEXIBLE SEDIMENT BARRIER



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

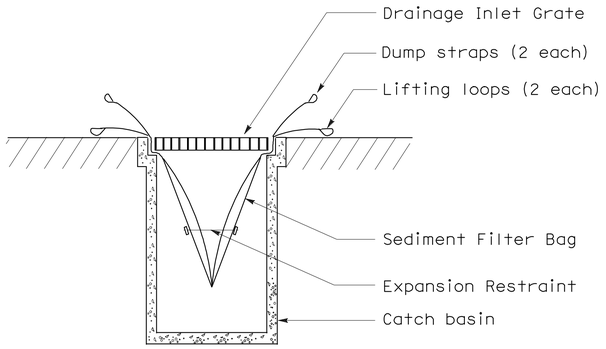
NO SCALE

NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T63

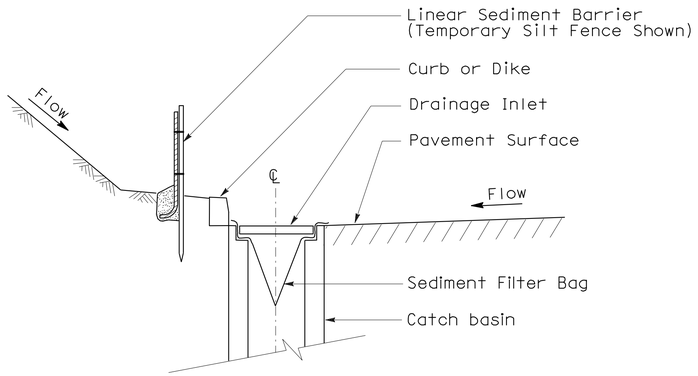
2006 NEW STANDARD PLAN NSP T63

7-11-08

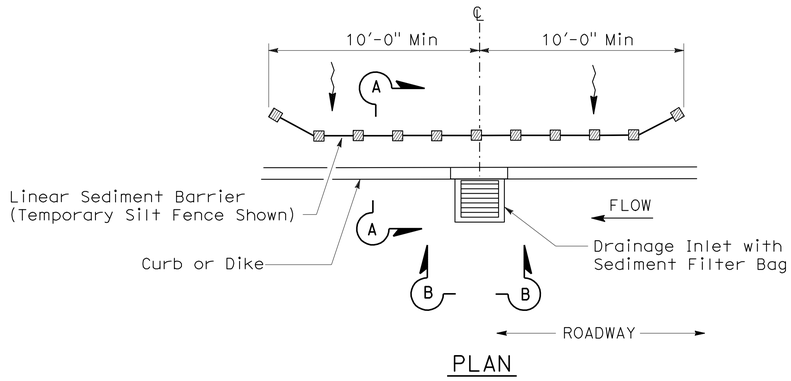


SECTION B-B

SEDIMENT FILTER BAG DETAIL

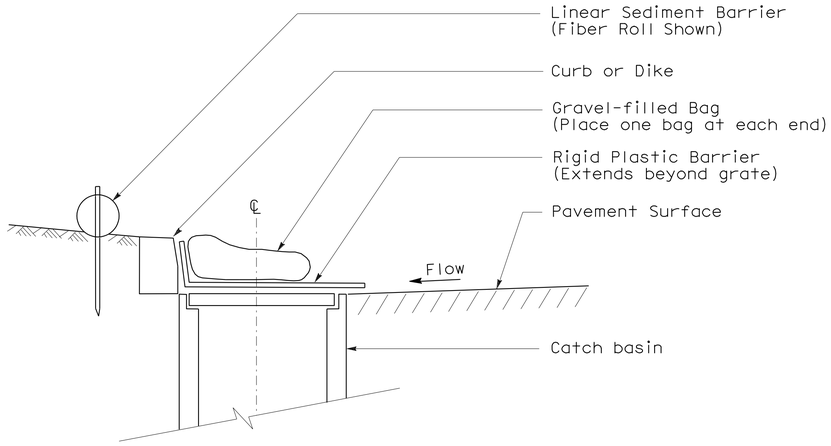


SECTION A-A



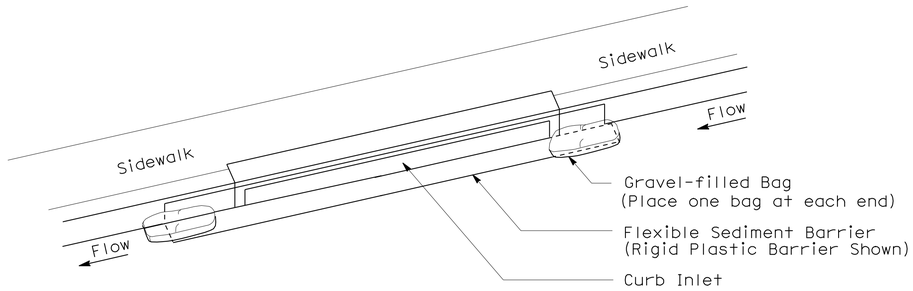
PLAN

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



SECTION

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



PERSPECTIVE

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	19.7/30.8	24	24

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

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To accompany plans dated 7-26-10

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

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

NEW STANDARD PLAN NSP T64

2006 NEW STANDARD PLAN NSP T64

7-11-08