ER-43K2(004)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	1	28

INDEX OF 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

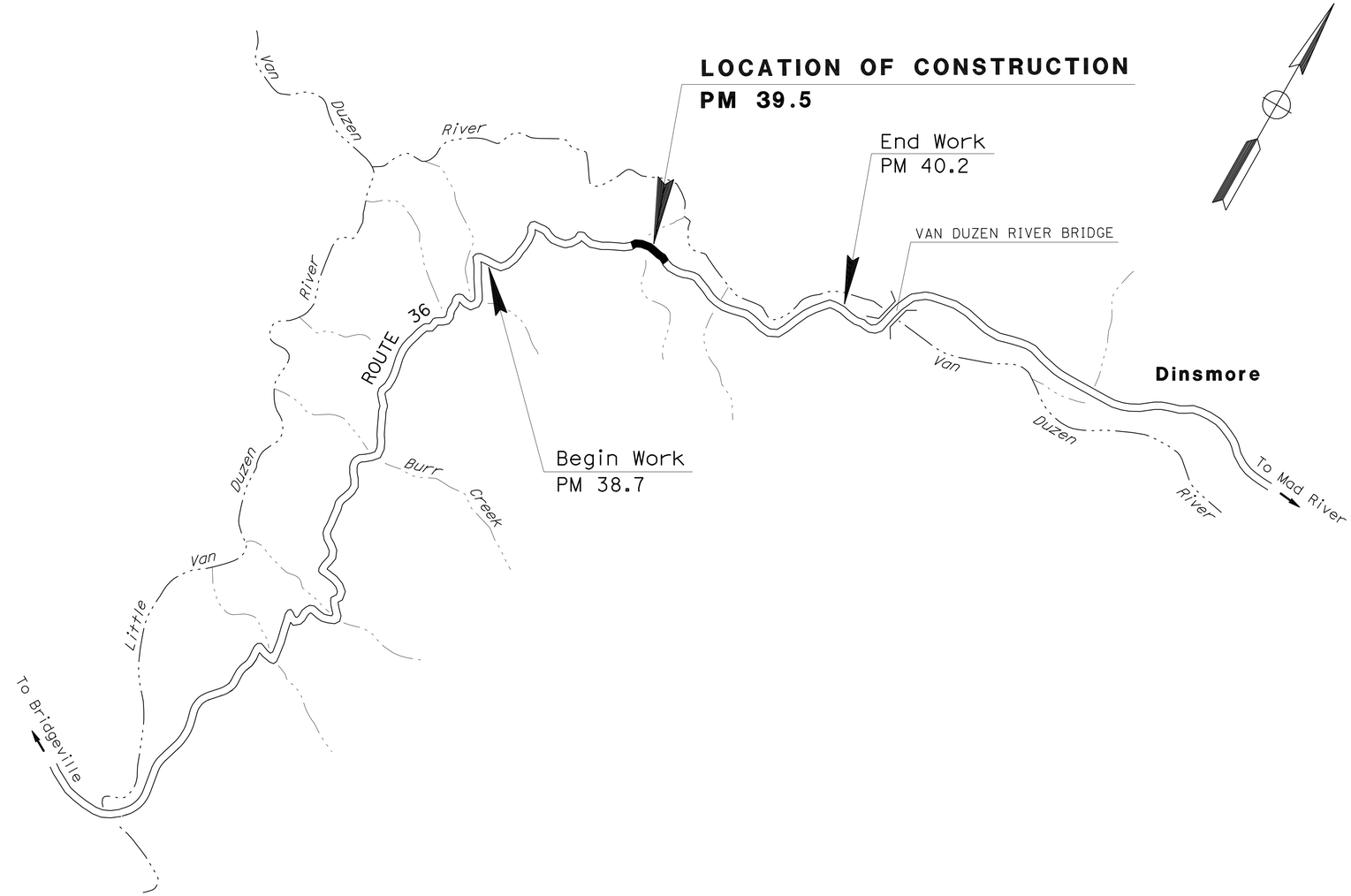
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN HUMBOLDT COUNTY
NEAR DINSMORE
1.0 MILE WEST OF
VAN DUZEN RIVER BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



NO SCALE

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

Caren Coonrod 8-17-09
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

April 12, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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

PROJECT MANAGER: FRANK DEMLING
DESIGN ENGINEER: DENNIS P. McBRIDE

CONTRACT No. 01-475804

LAST REVISION 00-00-00
DATE PLOTTED => 18-MAY-2010
TIME PLOTTED => 09:59

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 AC DIKE AND UNDERDRAIN INFORMATION SEE SHEETS Q-1 & DD-1.

ABBREVIATIONS

SR = SUPERELEVATION RATE
CP = CATCH POINT

LEGEND

COLD PLANE AC PAVEMENT

DESIGN DESIGNATION (ROUTE 36)

2008 ADT = 1010 D = 60%
2028 ADT = 1390 T = 5%
V = 30
DHV = 130
ESAL = 164,000
TI_{20} = 5.5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	2	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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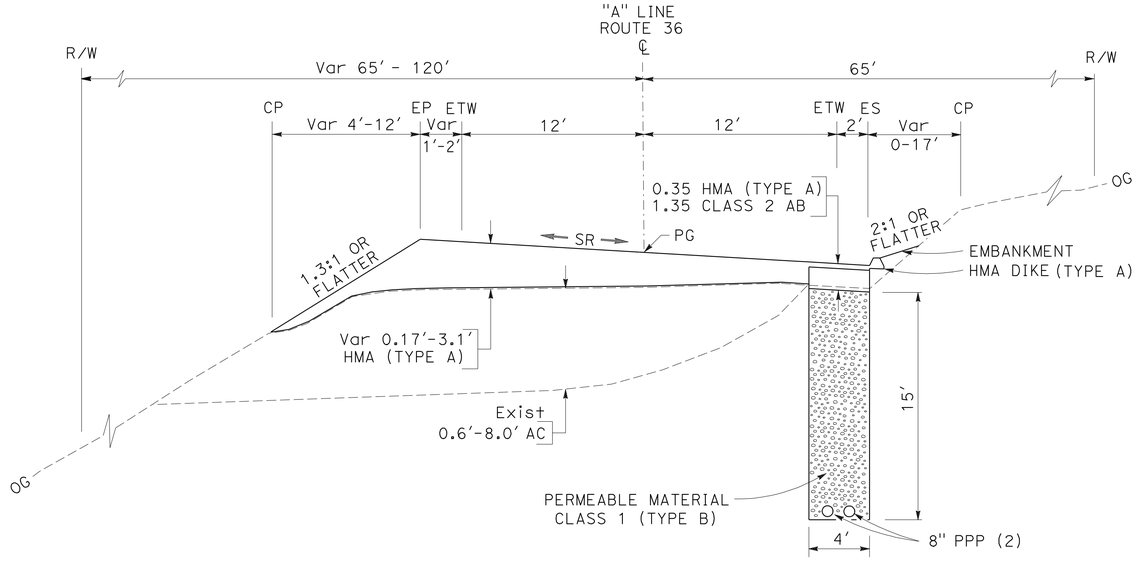
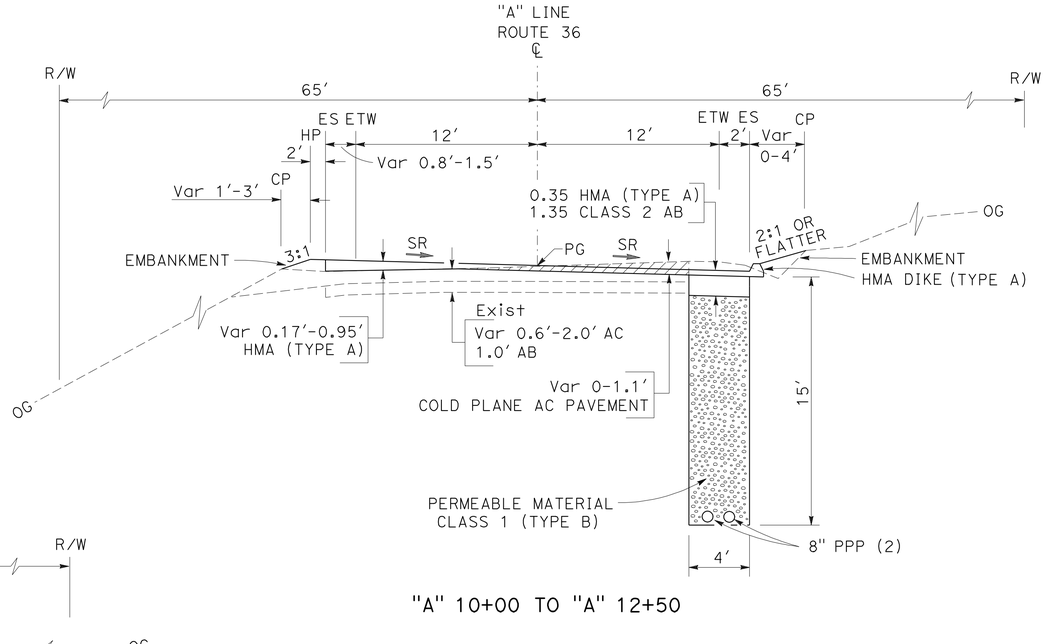
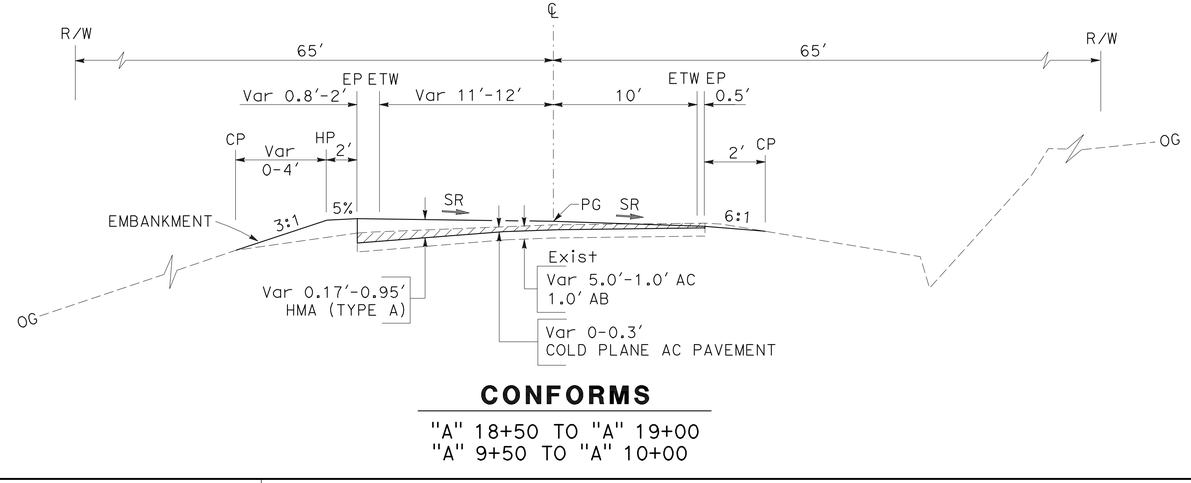


"A" 12+50 TO "A" 14+15



"A" 10+00 TO "A" 12+50



CONFORMS

"A" 18+50 TO "A" 19+00
"A" 9+50 TO "A" 10+00

TYPICAL CROSS SECTIONS X-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: Dennis P. McBride
CALCULATED-DESIGNED BY: SCOTT MORRIS
CHECKED BY: CAREN E. COONROD
REVISED BY
DATE REVISED

P:\proj1\01\47580\drafting\sheets\147580ca001.dgn

LAST REVISION DATE PLOTTED => 19-APR-2010
00-00-00 TIME PLOTTED => 06:58

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmnguye
DGN FILE => 147580ca001.dgn
CU 03 231
EA 475801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	3	28

Caren Coonrod — REGISTERED CIVIL ENGINEER — 8-17-09 DATE

4-12-10 PLANS APPROVAL DATE

CAREN E. COONROD No. 63231 Exp. 6-30-10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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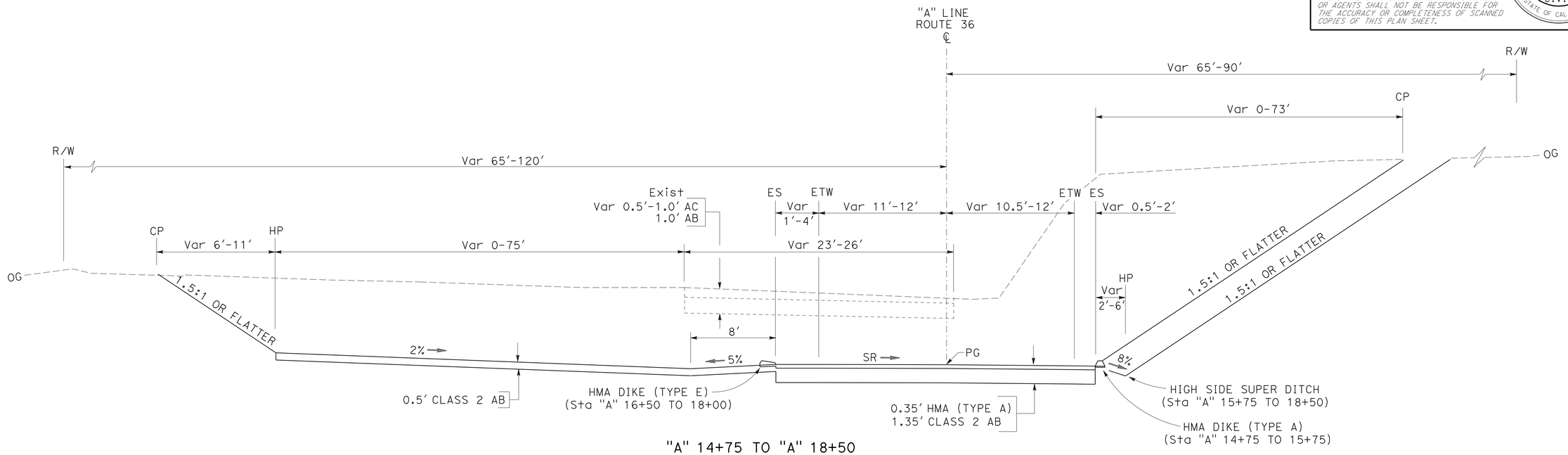
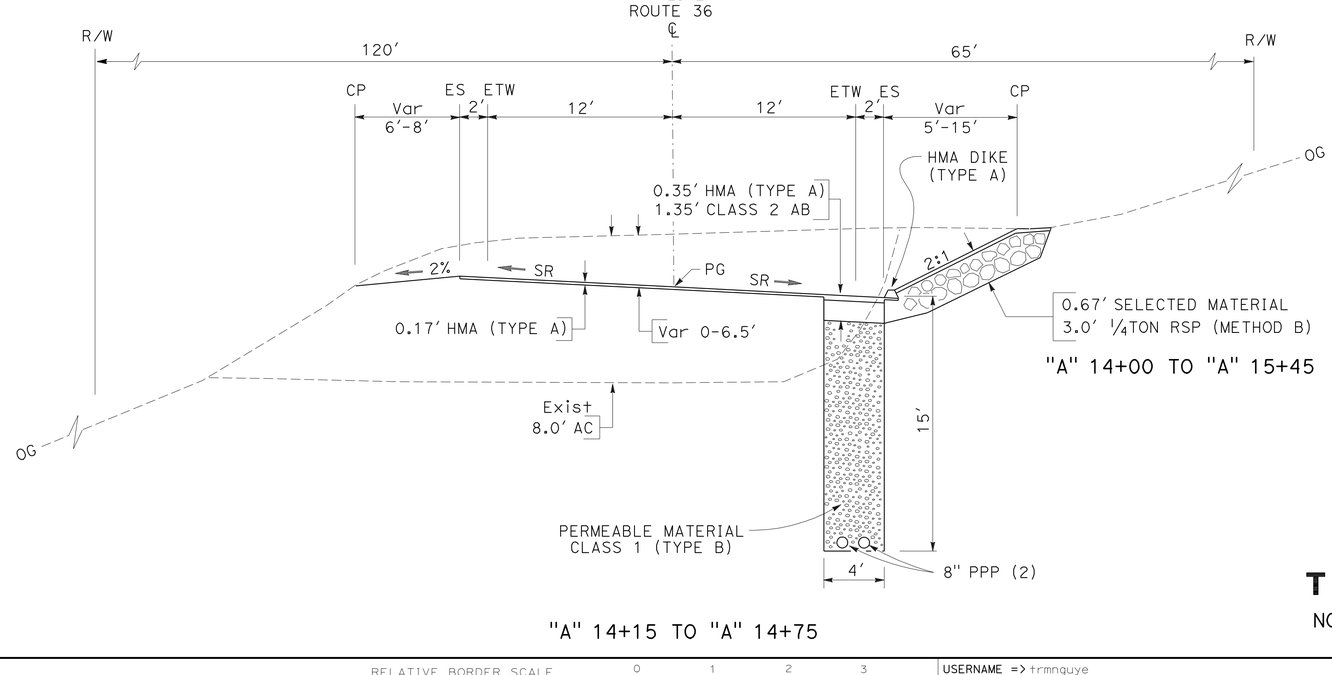


"A" 14+75 TO "A" 18+50



"A" 14+00 TO "A" 15+45

"A" 14+15 TO "A" 14+75

TYPICAL CROSS SECTIONS

NO SCALE

X-2

REVISED BY | DATE REVISED

SCOTT MORRIS | CAREN E. COONROD

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: Dennis P. McBride

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION | DATE PLOTTED => 19-APR-2010 | TIME PLOTTED => 06:58 | 00-00-00

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmnguye
DGN FILE => 147580ca002.dgn

CU 03 231

EA 475801

NOTES:

1. FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. FOR AC DIKE AND UNDERDRAIN INFORMATION SEE SHEET DD-1 AND Q-1.
3. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. UTILITY OWNERSHIP ON THIS PROJECT:

   COMMUNICATION CABLE - AT&T
   WATER - PRIVATE

CURVE DATA

No.	R	Δ	T	L	N	E
(1)	400.00′	13°36′51"	47.75′	95.05′	2064342.27	6104609.30
(2)	525.00′	48°10′11"	234.68′	441.38′	2064232.62	6104675.29
(3)	299.99′	23°41′09"	62.91′	124.02′	2064850.86	6105257.81
(4)	319.99′	27°8′20"	77.24′	151.57′	2064856.38	6105400.62

COORDINATE SYSTEM IS NAD 83 AND VERTICAL DATUM IS NAVD 88.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	4	28

Caren Coonrod — REGISTERED CIVIL ENGINEER — 8-17-09 DATE

4-12-10 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CAREN E. COONROD No. 63231 Exp. 6-30-10 CIVIL — STATE OF CALIFORNIA

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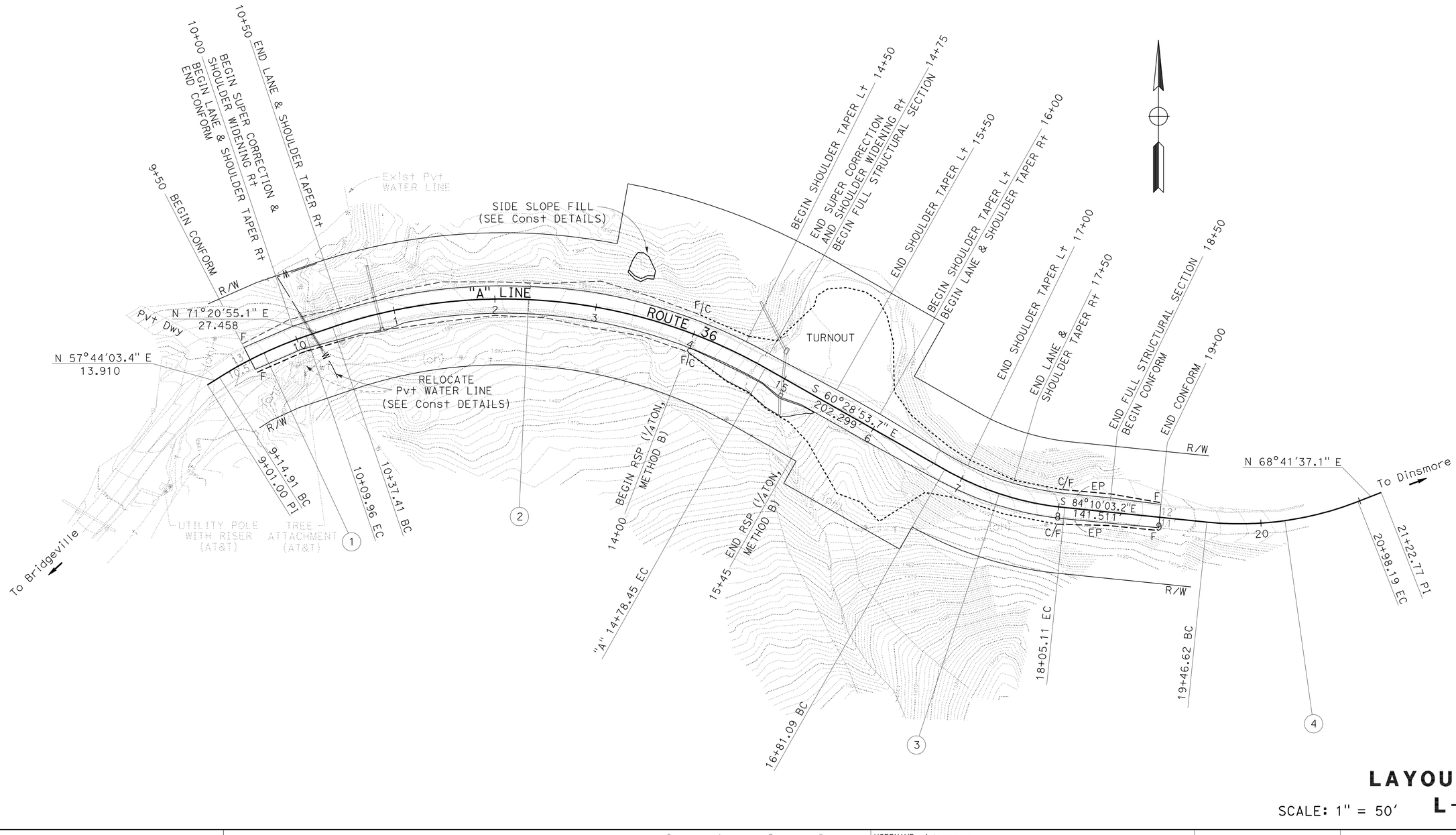

LAYOUT

SCALE: 1" = 50′ **L-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

SCOTT MORRIS — CALCULATED-DESIGNED BY
CAREN E. COONROD — CHECKED BY
Dennis P. McBride — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

LAST REVISION | DATE PLOTTED => 19-APR-2010 | 00-00-00 | TIME PLOTTED => 06:58

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	5	28

Caren Coonrod — REGISTERED CIVIL ENGINEER — 8-17-09 DATE

4-12-10 PLANS APPROVAL DATE

CAREN E. COONROD No. 63231 Exp. 6-30-10 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.

REVISED BY | DATE REVISED

SCOTT MORRIS | CAREN E. COONROD

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: Dennis P. McBride

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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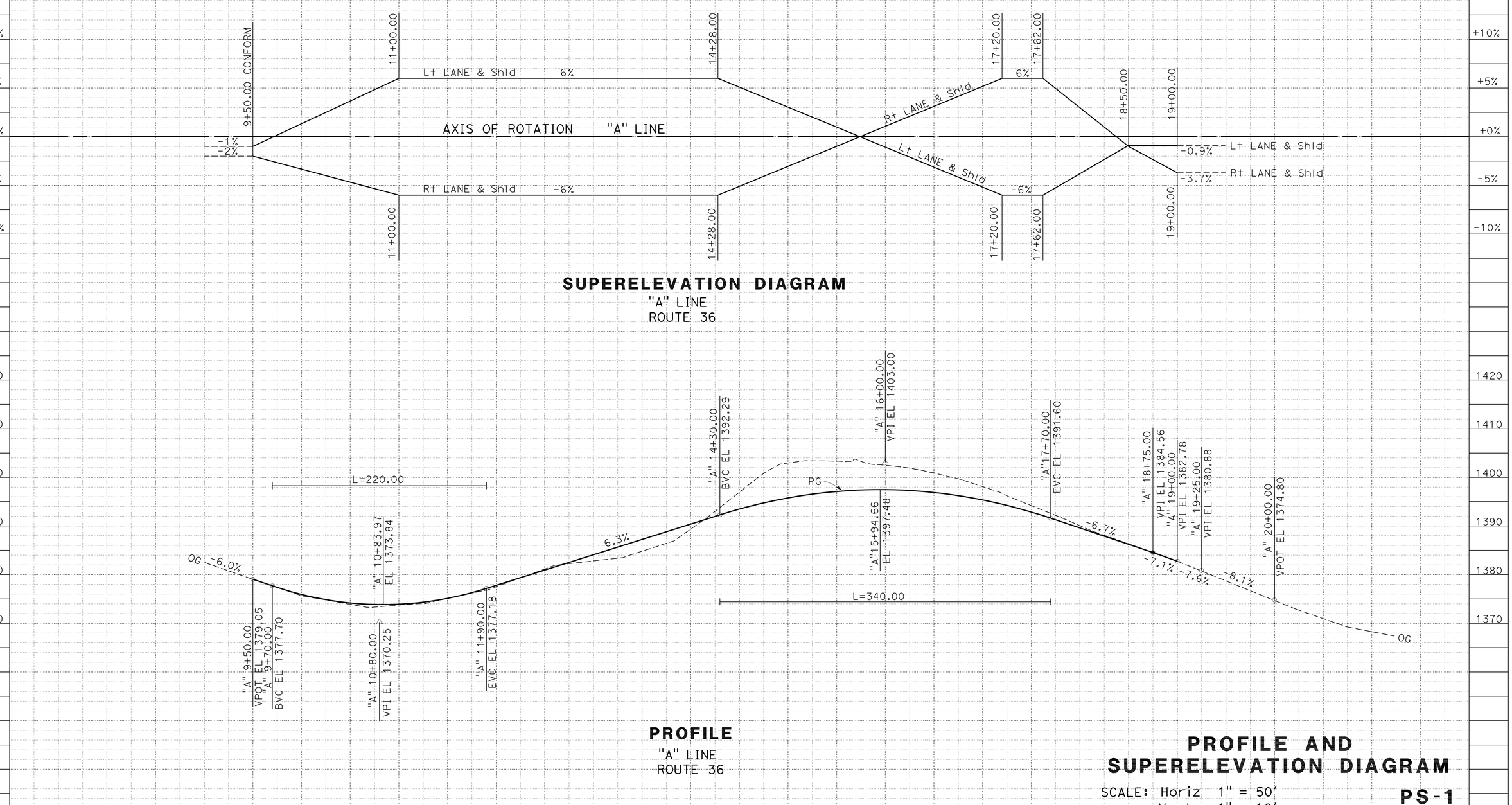

SUPERELEVATION DIAGRAM

"A" LINE
ROUTE 36

PROFILE

"A" LINE
ROUTE 36

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 50'
Vert 1" = 10'

PS-1

STATION	9	10	11	12	13	14	15	16	17	18	19	20	TOTAL
CY Exc		422					7506						7928
CY Emb		76											76

LAST REVISION: 00-00-00
DATE PLOTTED => 19-APR-2010
TIME PLOTTED => 07:25

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DGN FILE => 147580fb001.dgn

CU 03 231

EA 475801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	6	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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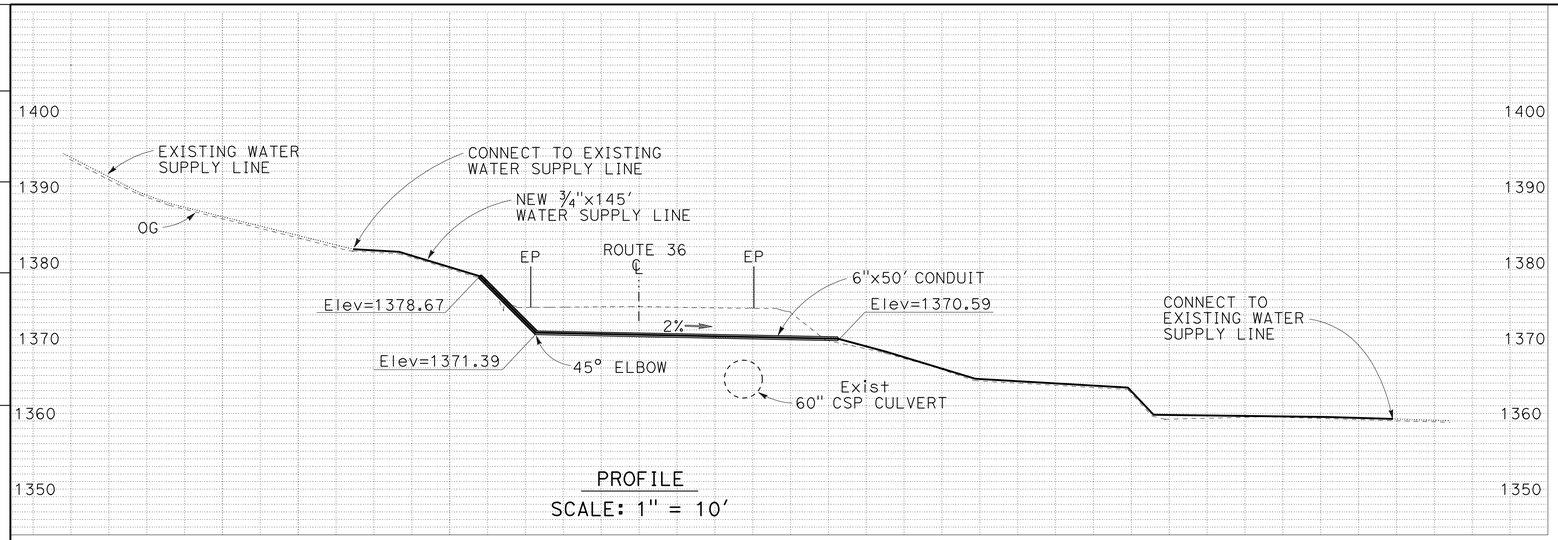
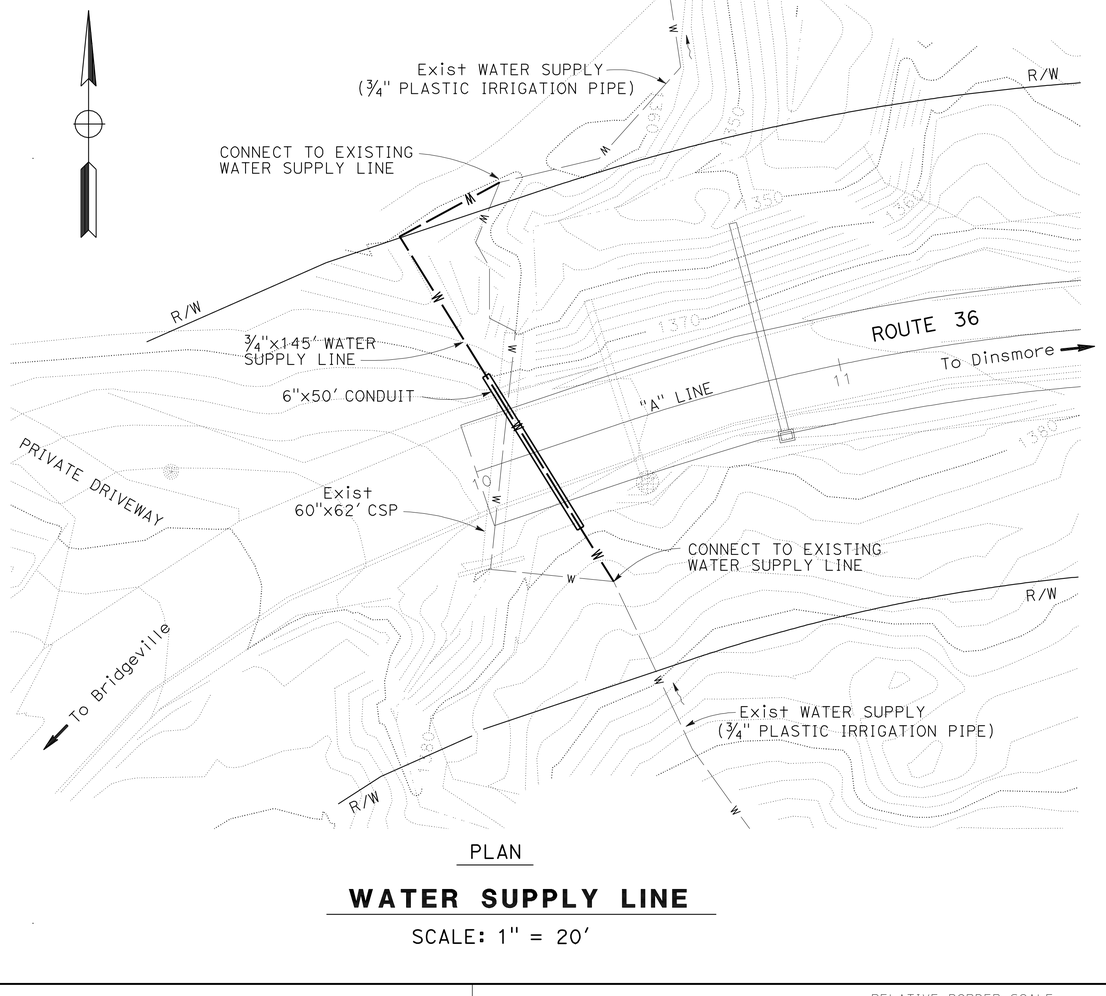


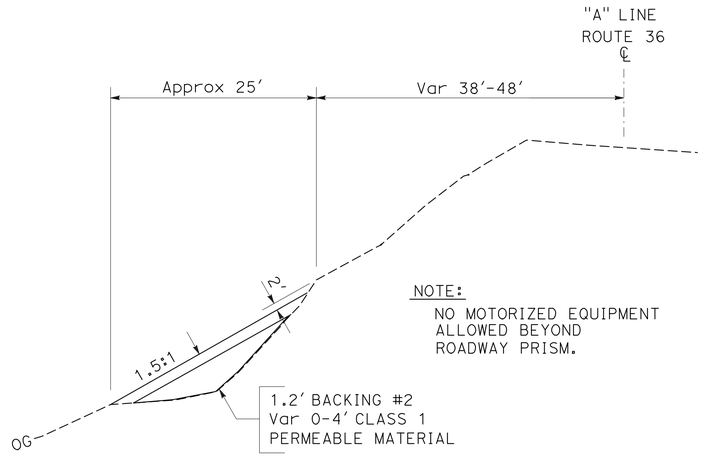
PROFILE
SCALE: 1" = 10'



PLAN

WATER SUPPLY LINE

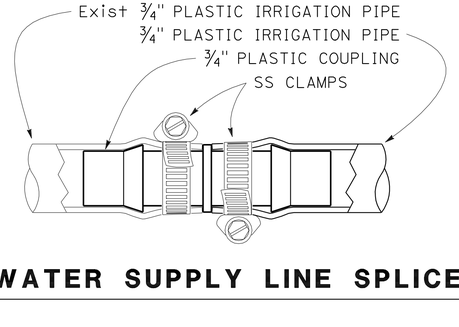
SCALE: 1" = 20'



SIDE SLOPE FILL

"A" 13+30 TO 13+55

NO SCALE



WATER SUPPLY LINE SPLICE

HMA OVERLAY CONFORM DETAIL

NO SCALE

CONSTRUCTION DETAILS

SCALE AS SHOWN

C-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: SCOTT MORRIS
CHECKED BY: CAREN E. COONROD
FUNCTIONAL SUPERVISOR: Dennis P. McBride

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

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LAST REVISION | DATE PLOTTED => 19-APR-2010
00-00-00 | TIME PLOTTED => 06:58

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmnguye | DGN FILE => 147580ga001.dgn | CU 03 231 | EA 475801

NOTES:
1. FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND

(X) DRAINAGE SYSTEM NUMBER

(X) DRAINAGE UNIT NUMBER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	7	28

Caren Conrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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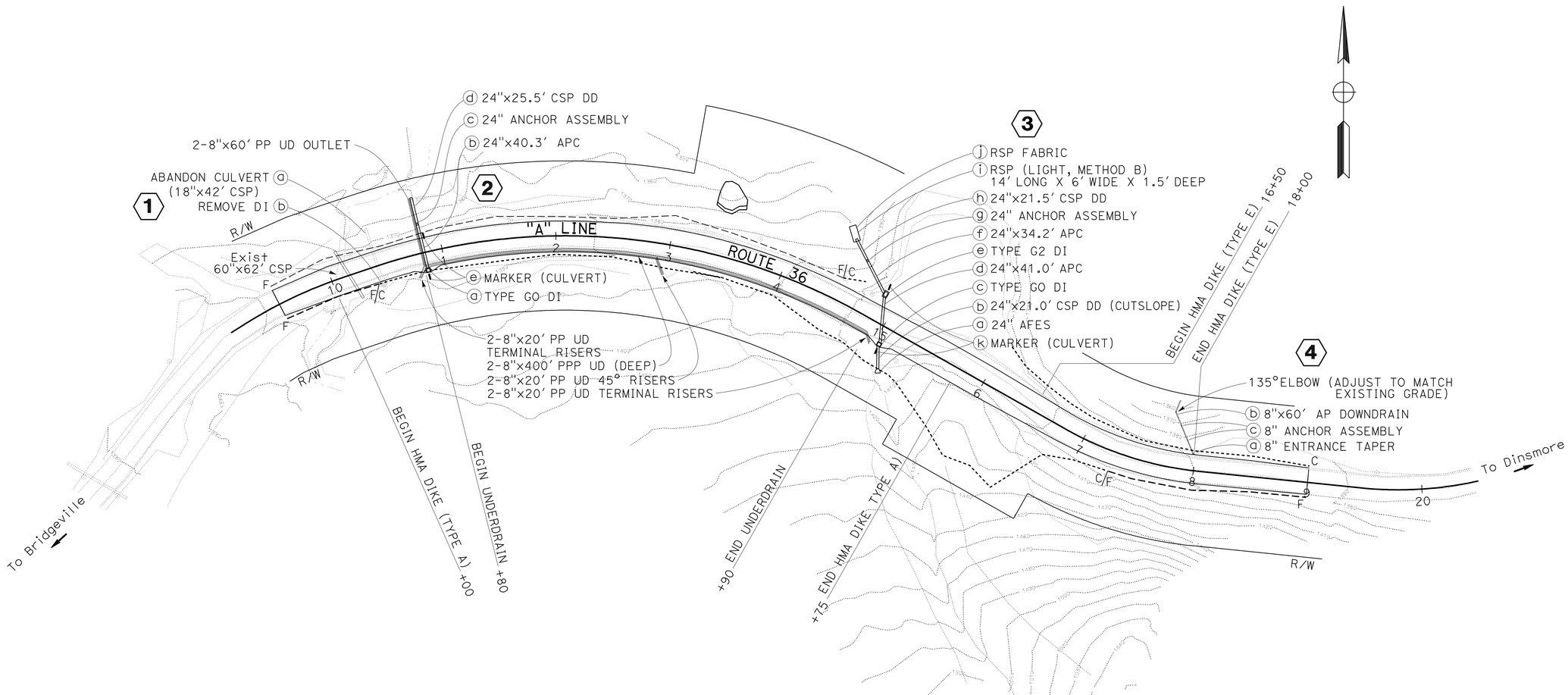

DRAINAGE PLAN

SCALE: 1" = 50' **D-1**

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SCOTT MORRIS | CAREN E. COONROD
FUNCTIONAL SUPERVISOR: Dennis P. McBride
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

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LAST REVISION 00-00-00 | DATE PLOTTED => 19-APR-2010 | TIME PLOTTED => 06:59

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmnguye | DGN FILE => 147580ia001.dgn | CU 03 231 | EA 475801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	8	28

Caren Coonrod — 8-17-09
REGISTERED CIVIL ENGINEER — DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CAREN E. COONROD — No. 63231 — Exp. 6-30-10 — CIVIL — STATE OF CALIFORNIA

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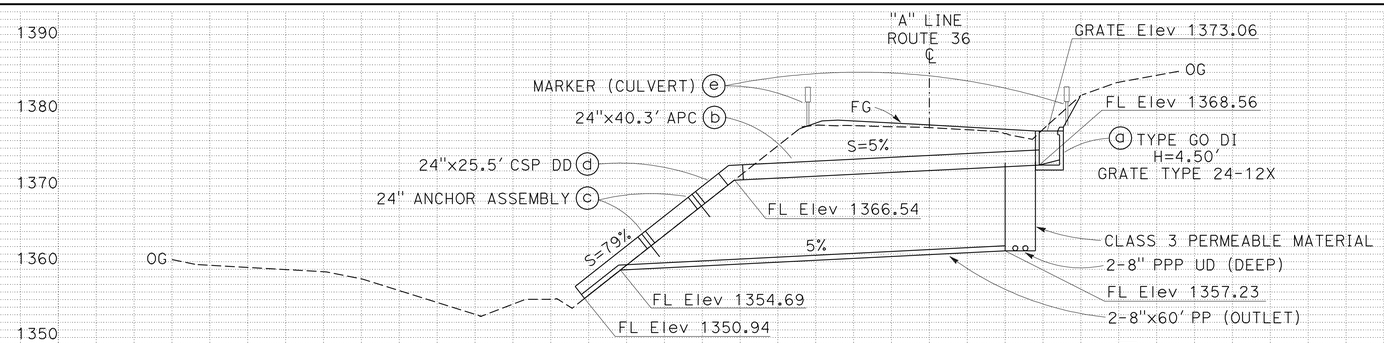
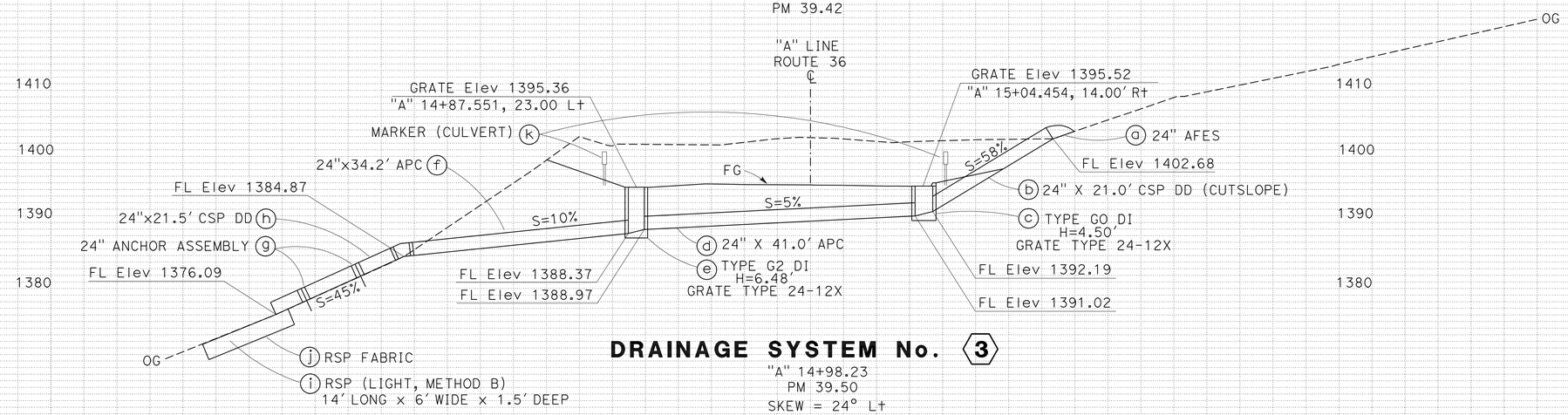


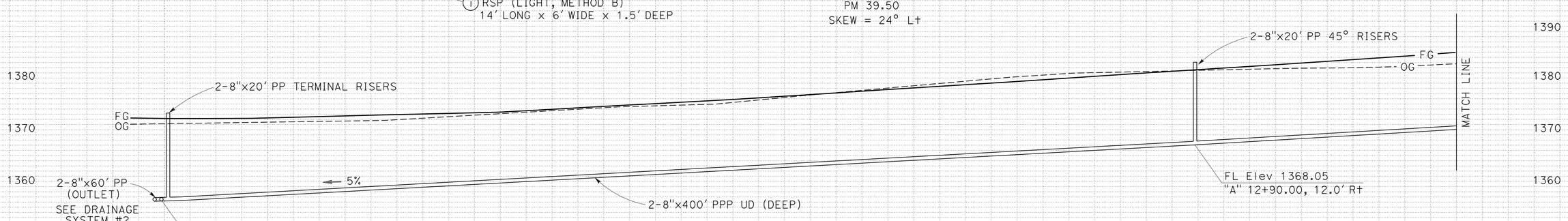
DRAINAGE SYSTEM No. 2

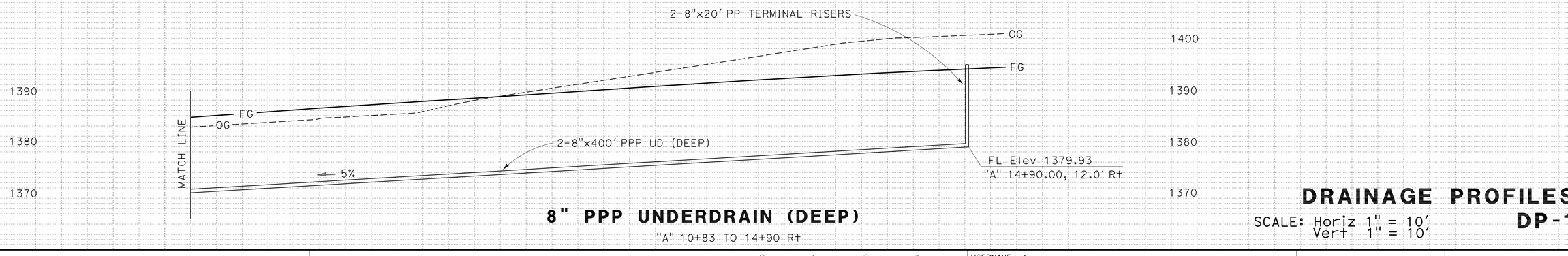
"A" 10+83.97
PM 39.42



DRAINAGE SYSTEM No. 3

"A" 14+98.23
PM 39.50
SKEW = 24° L℄





8" PPP UNDERDRAIN (DEEP)

"A" 10+83 TO 14+90 R℄

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
SCOTT MORRIS — CALCULATED-DESIGNED BY
CAREN E. COONROD — CHECKED BY
Dennis P. McBride — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED
LAST REVISION — DATE PLOTTED => 19-APR-2010 — TIME PLOTTED => 07:03 — 00-00-00

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DGN FILE => 147580ib001.dgn
CU 03 231
EA 475801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	9	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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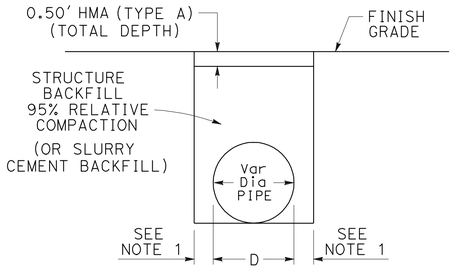
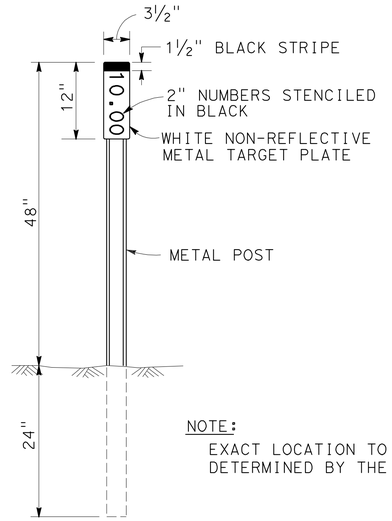


NOTES:

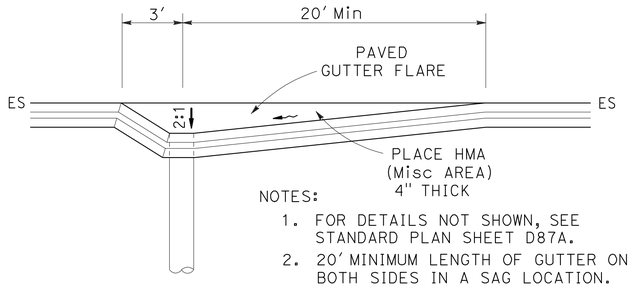
1. STRUCTURE BACKFILL
   TRENCH WIDTH SHALL ALLOW 2' Min CLEARANCE BETWEEN EXCAVATION AND SIDES OF PIPE.
   SLURRY CEMENT BACKFILL
   TRENCH WIDTH SHALL ALLOW 0.5' Min CLEARANCE BETWEEN EXCAVATION AND SIDES OF PIPES.
2. SEE Std PLAN A62F FOR EXCAVATION AND BACKFILL DETAILS.

STRUCTURE BACKFILL OR SLURRY CEMENT BACKFILL



NOTE:
EXACT LOCATION TO BE DETERMINED BY THE ENGINEER

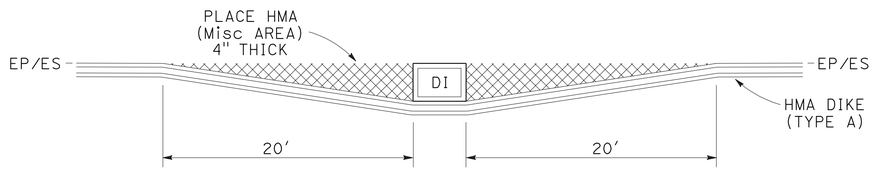
MARKER (CULVERT)



NOTES:

1. FOR DETAILS NOT SHOWN, SEE STANDARD PLAN SHEET D87A.
2. 20' MINIMUM LENGTH OF GUTTER ON BOTH SIDES IN A SAG LOCATION.

TYPE 1 OVERSIDE DRAIN



HMA APRON DETAIL

"A" 10+83.97
"A" 15+04.45

DRAINAGE DETAILS

NO SCALE **DD-1**

LAST REVISION	DATE PLOTTED => 19-APR-2010
00-00-00	TIME PLOTTED => 06:59

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
SCOTT MORRIS	CAREN E. COONROD		

FUNCTIONAL SUPERVISOR: Dennis P. McBride

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trrene
DGN FILE => 147580ic001.dgn

CU 03 231

EA 475801

NOTES:

1. ALL CULVERT JOINTS SHALL BE WATER TIGHT AND POSITIVE.
2. LENGTHS OF PIPES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. PLASTIC PIPE SHALL BE CORRUGATED INTERIOR WALL TYPE.
4. (N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	10	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

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8" PPP UNDERDRAIN (DEEP)

LOCATION	8" PPP	8" PP			PERMEABLE MATERIAL
	UNDERDRAIN	45° RISER	TERMINAL RISER	OUTLET	CLASS 1 (TYPE B) (N)
STATION TO STATION	LF				CY
"A" 10+83 TO 14+90 R†	800	40	80	120	890
TOTAL	1040				-

ALLOWABLE CULVERT ALTERNATIVES

SYSTEM No.	0.168" THICK	CSP: POLYMERIC SHEET COATED 0.109" THICK	CSP: PLASTIC PIPE
2	X	X	X
3	X	X	X

DRAINAGE SUMMARY

SYSTEM NUMBER	DRAINAGE UNIT	ABANDON CULVERT (EA)	REMOVE INLET (EA)	PLACE HMA (Misc AREA) (SQYD)	MINOR CONCRETE (MINOR STRUCTURES) (CY)	24" APC (LF)	8" ENTRANCE TAPER (EA)	8" ANCHOR ASSEMBLY (EA)	24" ANCHOR ASSEMBLY (EA)	8" CSP DOWNDRAIN (LF)	24" CSP DOWNDRAIN (0.064" THICK) (LF)	24" AFES (EA)	RSP (LIGHT, METHOD B) (CY)	RSP FABRIC (SQYD)	Misc IRON AND STEEL (LB)	MARKER (CULVERT) (EA)	INLET "H" (N) (FT)	STATION	REMARKS	SYSTEM NUMBER	DRAINAGE UNIT
1	a	1																"A" 10+41.91	18"x42' CSP	1	a
	b		1															"A" 10+41.92, 15.5' R†	TYPE GMP, 36RX GRATE		b
2	a			9	1.6										239		4.50	"A" 10+83.97, 14.0' R†	TYPE GO DI, 24-12X GRATE	2	a
	b					40.3															b
	c							2													c
	d									25.5											d
	e															2			PM 39.42		e
3	a											1								3	a
	b									21.0									CUTSLOPE		b
	c			9	1.6										239		4.50	"A" 15+04.45, 14.0' R†	TYPE GO DI, 24-12X GRATE		c
	d					41.0															d
	e				2.3										239		6.99	"A" 14+87.55, 23.0' L†	TYPE G2 DI, 24-12X GRATE		e
	f					34.2															f
	g							2													g
	h									21.5											h
	i												5								i
	j													17							j
	k															2			PM 39.50		k
4	a			2			1											"A" 18+00, 15.5' L†		4	a
	b								60												b
	c							2													c
TOTAL		1	1	20	5.5	115.5	1	2	4	60	68.0	1	5	17	717	4					

DRAINAGE QUANTITIES
DQ-1

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REVISED BY
DATE REVISED
SCOTT MORRIS
CAREN E. COONROD

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LAST REVISION: DATE PLOTTED => 19-APR-2010
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BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrene
DGN FILE => 147580id001.dgn
CU 03 231
EA 475801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	11	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

CAREN E. COONROD No. 63231 Exp. 6-30-10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCHES)	No. OF POSTS AND SIZE (NOMINAL INCHES)	No. OF SIGNS
A	W20-1	ROAD WORK AHEAD	36 x 36	1-4 x 6	2
	C23B(CA)	CURVE IMPROVEMENT	36 x 18		
B	G20-2	END ROAD WORK	36 x 18	1-4 x 4	2
D	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGN		90 x 60	2-6 x 6	2
E	W11-1	BICYCLE SYMBOL	36 x 36	1-4 x 6	2
	W16-1	SHARE THE ROAD	24 x 30		

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CHANGEABLE MESSAGE SIGNS

LOCATION COUNTY-Rte-PM	ORIENTATION	CMS*	PCMS	ADVANCE CLOSURE NOTICE PCMS	SIGN MESSAGE
Hum-101-55.96	FNBT	X			ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Hum-101-58.00	FSBT	X			ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Hum-36-28.00	FEBT		X		ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Hum-36-38.00	FEBT		X		ROAD CLOSED AHEAD
Hum-36-41.00	FWBT		X		ROAD CLOSED AHEAD
Tri-36-27.00	FWBT			X	ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Tri-36-5.00	FWBT		X		ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Teh-5-26.40	FNBT	X			ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Teh-5-26.60	FSBT	X			ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM
Tri-3-30.60	FSBT			X	ROUTE 36 CLOSED NEAR DINSMORE FROM 9 PM TO 5 AM

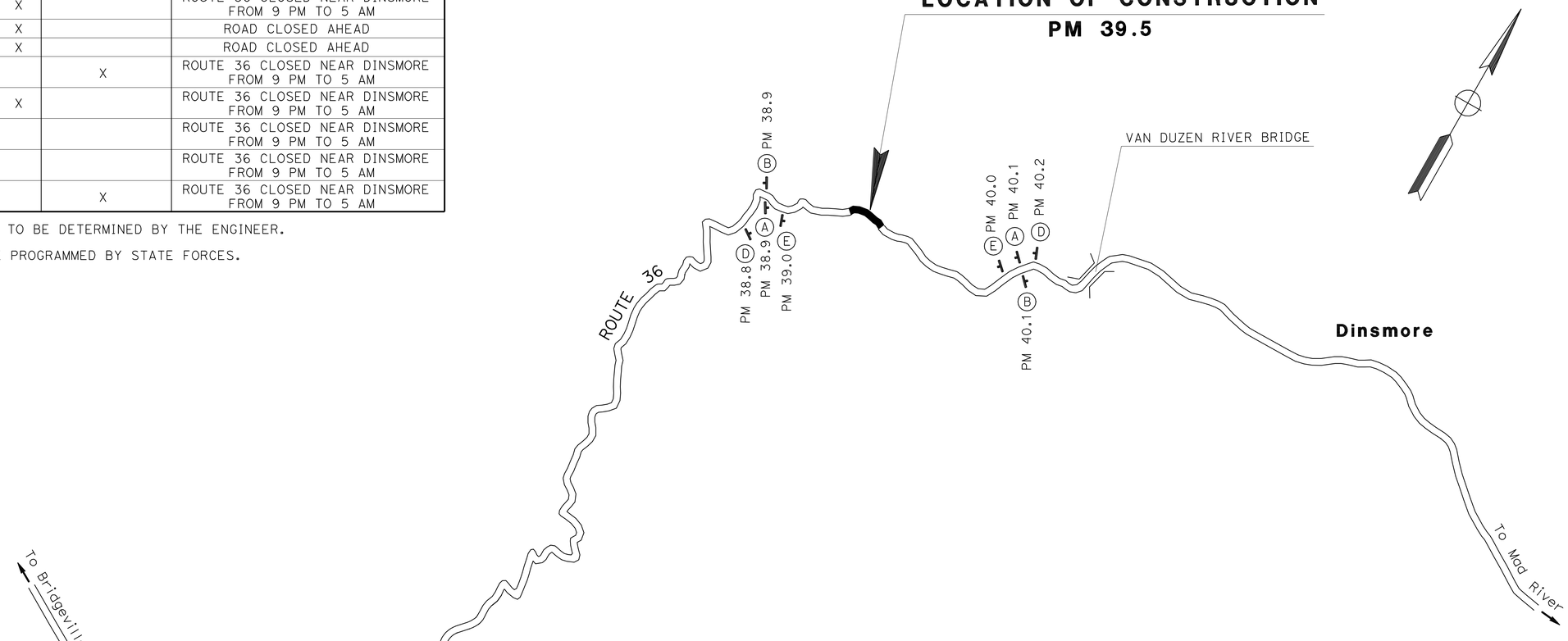
EXACT PCMS LOCATIONS & MESSAGES TO BE DETERMINED BY THE ENGINEER.

* EXISTING STATE-OWNED CMS's TO BE PROGRAMMED BY STATE FORCES.

ABBREVIATIONS

PCMS - PORTABLE CHANGEABLE MESSAGE SIGN
CMS - CHANGEABLE MESSAGE SIGN

LOCATION OF CONSTRUCTION
PM 39.5



CONSTRUCTION AREA SIGNS
NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

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4-12-10
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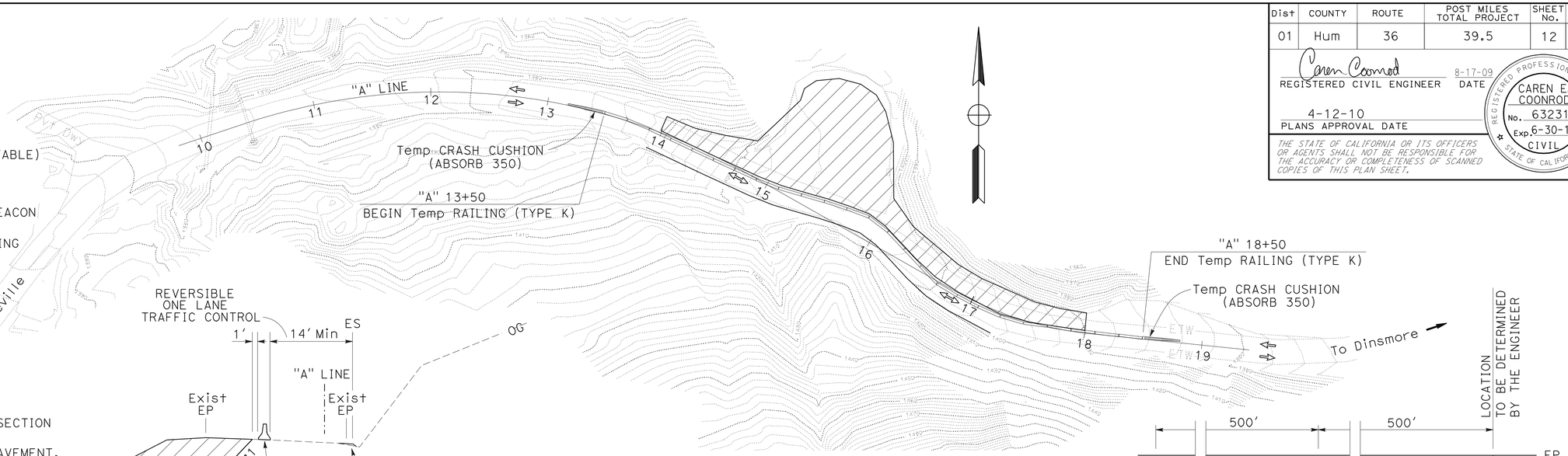
LEGEND

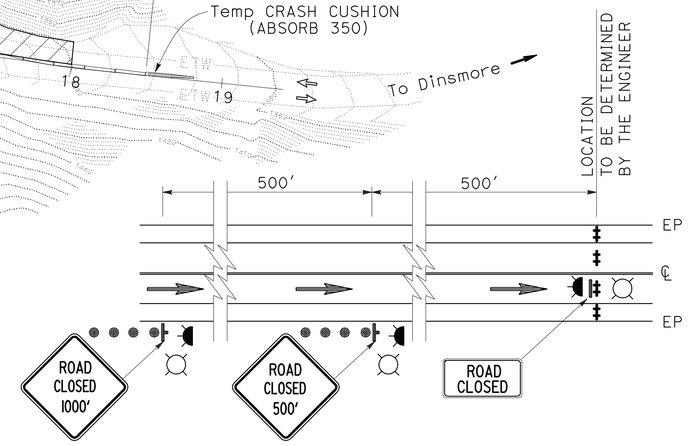
- STAGE 1 ROADWAY EXCAVATION
- STAGE 2 ROADWAY EXCAVATION
- TRAFFIC CONE
- TEMPORARY SIGN (PORTABLE)
- TYPE III BARRICADE
- PORTABLE FLASHING BEACON
- Temp PORTABLE LIGHTING



NOTE:
STAKE EACH 20' Temp RAILING SECTION WITH 4-1"x2'-0" STAKES.
EMBED STAKES 1'-6" INTO AC PAVEMENT.

TYPICAL CROSS SECTION

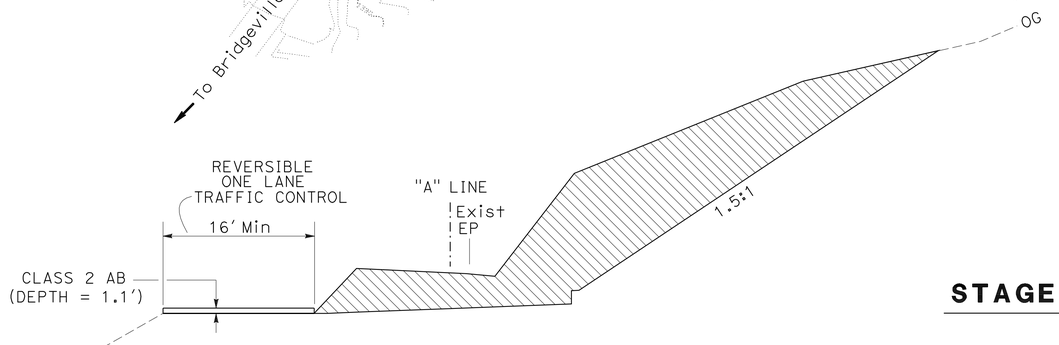
STAGE 1



COMPLETE CLOSURE

NOTES:

1. EACH ADVANCE WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE. EACH FLAG SHALL BE AT LEAST 16" x 16" IN SIZE AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR. FLASHING BEACONS SHALL BE PLACED AT THE LOCATIONS INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
2. A MINIMUM OF TWO TYPE III BARRICADES SHALL BE PLACED ACROSS EACH CLOSED LANE AND SHOULDER AT THE LOCATIONS SHOWN.
3. ALL COMPLETE CLOSURE SIGNS SHALL BE ILLUMINATED AND CLEARLY VISIBLE TO APPROACHING TRAFFIC. THE ILLUMINATION FOOTPRINT OF THE LIGHTING ON THE GROUND SHALL BE AT LEAST 20' IN DIAMETER. PLACE A MINIMUM OF FOUR CONES AT 50' INTERVALS IN ADVANCE OF SIGNS.



TYPICAL CROSS SECTION

STAGE 2

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE CONSTRUCTION

SCALE: 1" = 50'

SC-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: SCOTT MORRIS
CHECKED BY: CAREN E. COONROD
FUNCTIONAL SUPERVISOR: Dennis P. McBride

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CU 03 231

EA 475801

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Caren Coonrod 8-17-09
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4-12-10
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No. 63231
Exp. 6-30-10
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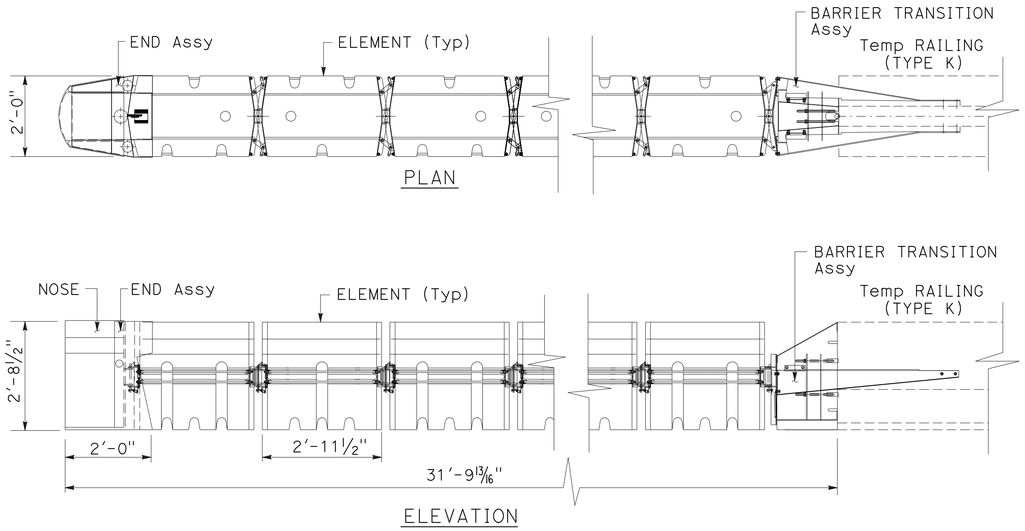
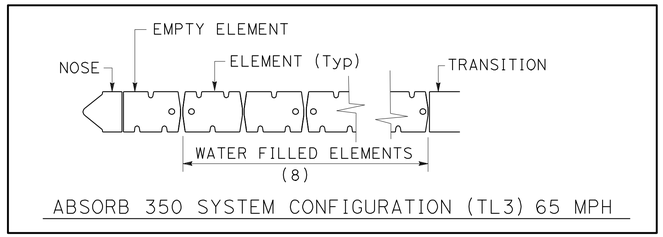
NOTE:

FOR DETAILS NOT SHOWN, REFER TO MANUFACTURER'S INSTALLATION MANUAL.

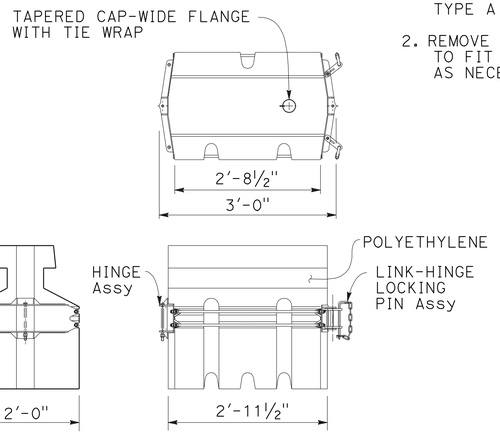




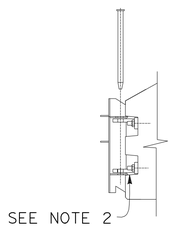
ABSORB 350 SYSTEM CONFIGURATION (TL3) 65 MPH

NOTES:

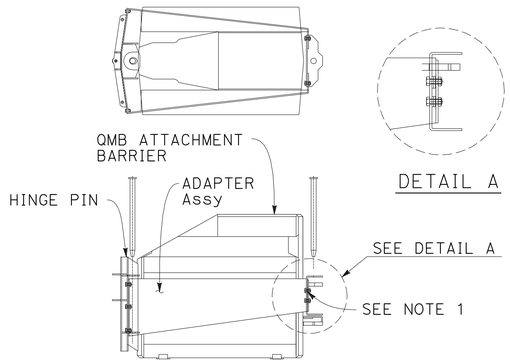
1. SHIM WITH TWO 5/8" WASHERS AT EACH BOLT AS NECESSARY. TYPE A - W.
2. REMOVE CONCRETE IN THIS AREA TO FIT PIN HINGE PLATE ADAPTER, AS NECESSARY.



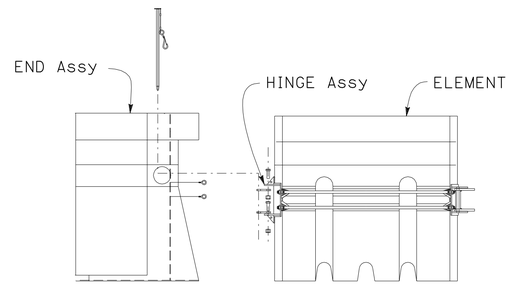
ELEMENT



HINGE PIN DETAIL



BARRIER TRANSITION ASSEMBLY



END ASSEMBLY

TEMPORARY CRASH CUSHION (ABSORB 350)

STAGE CONSTRUCTION DETAILS

NO SCALE

SCD-1

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	14	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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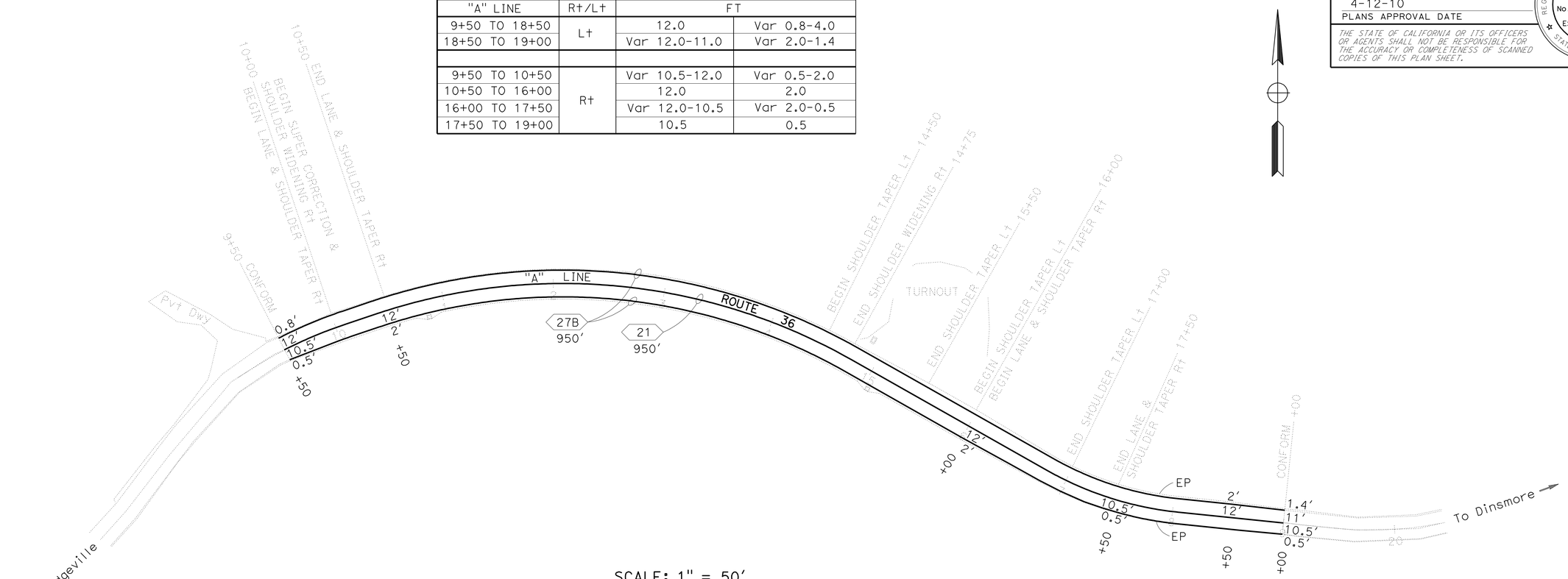
LANE AND SHOULDER WIDTHS

LOCATION STATION		LANE WIDTH	SHOULDER WIDTH
"A" LINE	R+/L+	FT	
9+50 TO 18+50	L+	12.0	Var 0.8-4.0
18+50 TO 19+00		Var 12.0-11.0	Var 2.0-1.4
9+50 TO 10+50	R+	Var 10.5-12.0	Var 0.5-2.0
10+50 TO 16+00		12.0	2.0
16+00 TO 17+50		Var 12.0-10.5	Var 2.0-0.5
17+50 TO 19+00		10.5	0.5



SCALE: 1" = 50'

PAVEMENT DELINEATION

LOCATION "A" LINE		DETAIL NUMBER	DETAIL LENGTH	4" THERMOPLASTIC TRAFFIC STRIPE	
				SOLID WHITE	SOLID YELLOW
STATION	R+/L+		LF		
9+50 TO 19+00	℄	21	950		1900
9+50 TO 19+00	L+	27B	950	950	
9+50 TO 19+00	R+	27B	950	950	
			SUBTOTAL	1900	1900
			TOTAL	3800	

NOTE: THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.

PAVEMENT DELINEATION PLAN AND QUANTITIES

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

SCOTT MORRIS
CAREN E. COONROD
Dennis P. McBride

FUNCTIONAL SUPERVISOR
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36	39.5	15	28

Caren Coonrod 8-17-09
REGISTERED CIVIL ENGINEER DATE

4-12-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CAREN E. COONROD
No. 63231
Exp. 6-30-10
CIVIL
STATE OF CALIFORNIA

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TEMPORARY TRAFFIC CONTROL DEVICES

LOCATION "A" LINE		TEMPORARY RAILING (TYPE K)	TEMPORARY CRASH CUSION (ABSORB 350)	FLASHING BEACONS (PORTABLE)	TEMPORARY SIGN (PORTABLE) (N)	TYPE III BARRICADE (N)	TEMPORARY LIGHT (PORTABLE) (N)	REMARKS
STATION/PM	L†/R†	LF	EA					
13+50 TO 18+50		500	2					
PM 38.5 TO PM 39.4	R†			4			4	24 hr REVERSING TRAFFIC CONTROL
PM 39.8 TO PM 40.4	L†			4			4	
PM 39.2 TO PM 39.4	R†				3	4	3	COMPLETE CLOSURE
PM 39.6 TO PM 39.8	L†				3	4	3	
	TOTAL	500	2	8	-	-	-	

NOTE: PLACE FLASHING BEACONS (PORTABLE) WITH TRAFFIC CONTROL SIGNS.
(N) - NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.

CONDUIT

LOCATION "A" LINE	6" CONDUIT
STATION	LF
10+16.10	50
TOTAL	50

HMA DIKE

LOCATION "A" LINE	L†/R†	PLACE HMA DIKE		HMA (TYPE A)
		TYPE A	TYPE E	
STATION		LF		TON
10+00 TO 15+75	R†	575		17
16+50 TO 18+00	L†		150	4
TOTAL		575	150	21

COLD PLANE AC PAVEMENT

LOCATION "A" LINE	COLD PLANE AC PAVEMENT	MAXIMUM DEPTH (N)	REMARKS
STATION	SQYD	FT	
9+50 TO 10+00	135	0.38	CONFORM
10+00 TO 12+50	675	1.10	PROFILE GRIND AND SUPERELEVATION REPAIR
14+00 TO 14+75	229	6.40	PROFILE GRIND AND SUPERELEVATION REPAIR
18+50 TO 19+00	129	0.17	CONFORM
TOTAL	1168	-	

ROADWAY QUANTITIES

STATION "A" LINE	ROADWAY EXCAVATION	CLASS 2 AGGREGATE BASE	HOT MIX ASPHALT (TYPE A)	TACK COAT	EMBANKMENT (N)	REMARKS
STATION	CY		TON	TON	CY	
9+50 TO 14+75	422	90	1016	0.71	76	R† SHOULDER AND SUPERELEVATION REPAIR
13+00 TO 19+00		44				TEMPORARY SHOULDER (STAGE CONSTRUCTION)
14+75 TO 19+00	5086	547	383	0.27		STRUCTURAL SECTION RECONSTRUCTION
14+75 TO 16+50	2420	142				PULLOUT
10+00 TO 18+00			26	0.02		HMA DIKE & Misc AREA
TOTAL	7928	823	1425	1.00	-	

TEMPORARY WATER POLLUTION CONTROL

LOCATION "A" LINE	TEMPORARY MULCH	TEMPORARY FIBER ROLL	TEMPORARY SILT FENCE	TEMPORARY GRAVEL BAG BERM	TEMPORARY FENCE (TYPE ESA)	TEMPORARY DI PROTECTION	TEMPORARY CHECK DAM
STATION/PM	SQYD	LF				EA	LF
10+00 to 16+00 R†				600			40
10+41.91		20	20			1	
10+83.97	30	20	20			1	
14+00 to 17+00 R†		730			340		45
14+98.23	50	20	20			2	
16+00 to 18+00 L†		160		200			
18+00						1	
TOTAL	80	950	60	800	340	5	85

EROSION CONTROL

LOCATION "A" LINE	L†/R†	STRAW (N)	FIBER (N)	COMPOST BLANKET	PURE LIVE SEED (N)	STABILIZING EMULSION (N)	HYDROSEED
STATION		TON	LB	CY	LB		SQFT
9+50 TO 19+00	L†	0.5	535.0	36	28.1	30.0	10,800
9+50 TO 19+00	R†	0.9	1005.8	69	52.9	56.4	20,700
TOTAL		-	-	105	-	-	31,500

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

ROCK SLOPE PROTECTION

LOCATION "A" LINE	RSP (BACKING #2, METHOD B)	RSP (¼TON METHOD B)	CLASS 1 PERMEABLE MATERIAL
STATION	CY		
13+30 TO 13+55 L†	23		38
14+00 TO 15+45 R†		210	
TOTAL	23	210	38

RESET MILE POST MARKER

LOCATION "A" LINE	RESET MILEPOST MARKER	REMARKS
STATION	EA	
14+80 L†	1	PM 39.5
14+80 R†	1	PM 39.5
TOTAL	2	

SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
SCOTT MORRIS | CAREN E. COONROD
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: Dennis P. McBride
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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01	Hum	36	39.5	16	28

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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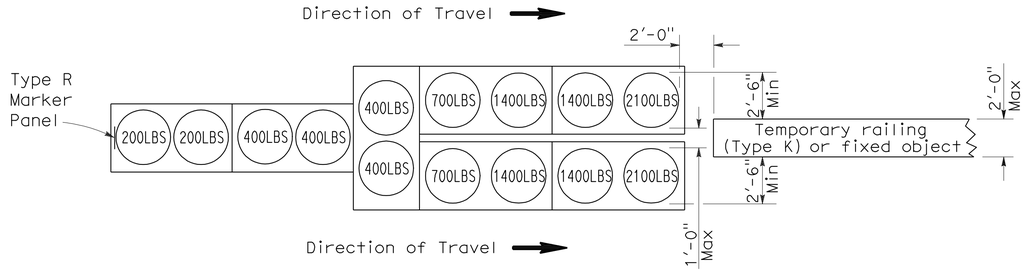
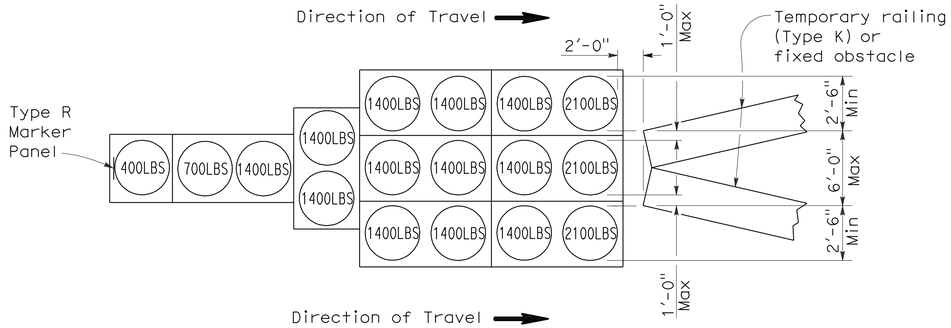
To accompany plans dated 4-12-10



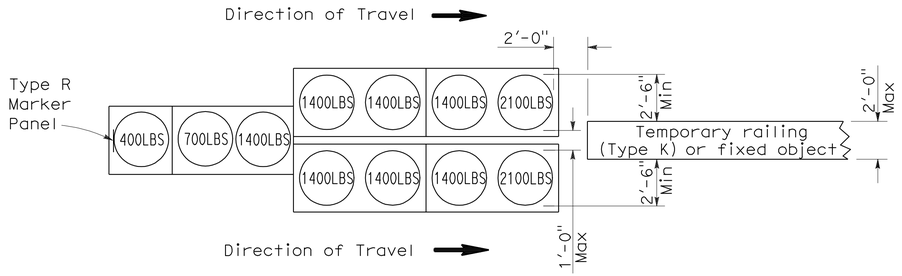
ARRAY 'TU14'

Approach speed 45 mph or more



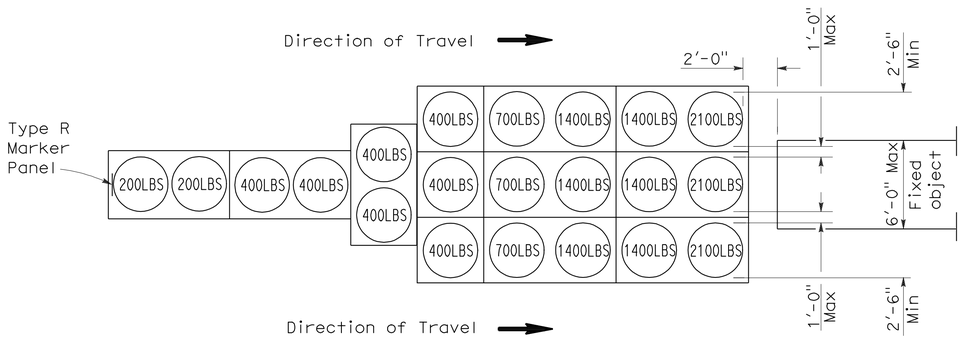
ARRAY 'TU17'

Approach speed less than 45 mph



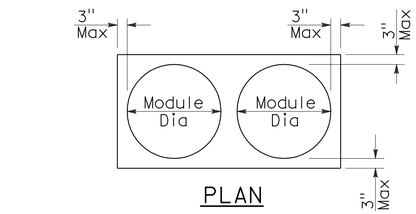
ARRAY 'TU11'

Approach speed less than 45 mph

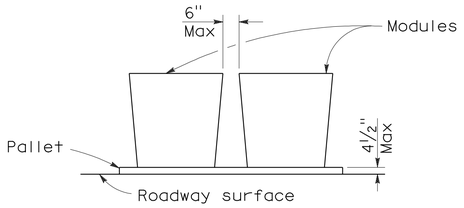


ARRAY 'TU21'

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

2006 REVISED STANDARD PLAN RSP T1A

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	17	28

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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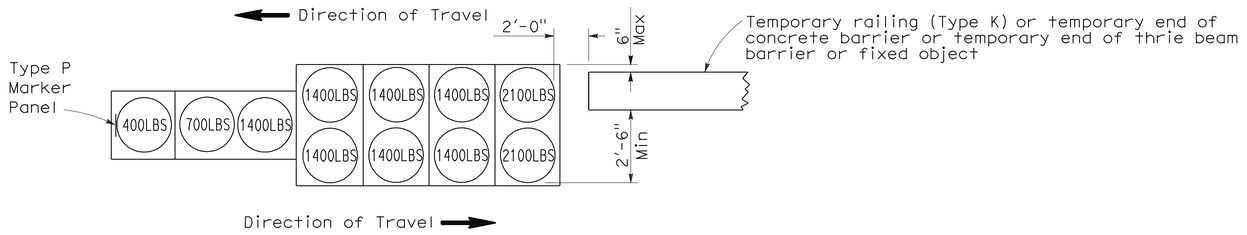
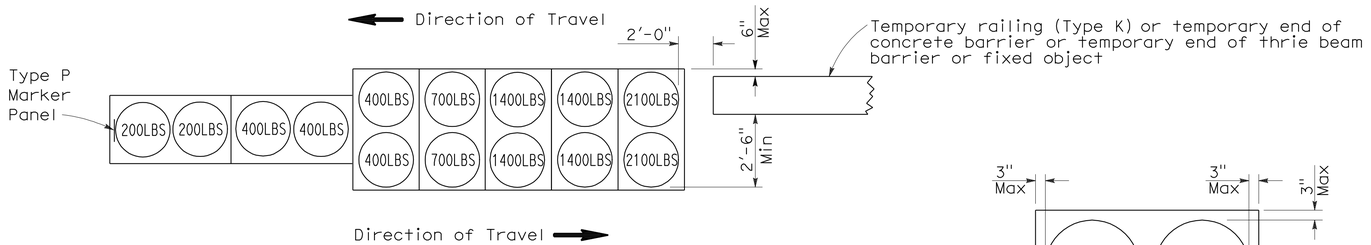
To accompany plans dated 4-12-10



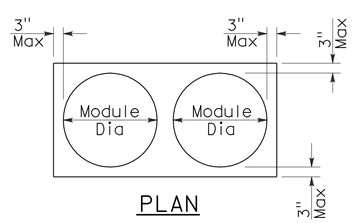
ARRAY 'TB11'

Approach speed less than 45 mph

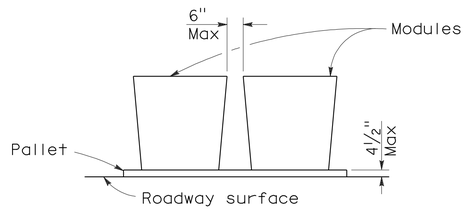


ARRAY 'TB14'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	18	28

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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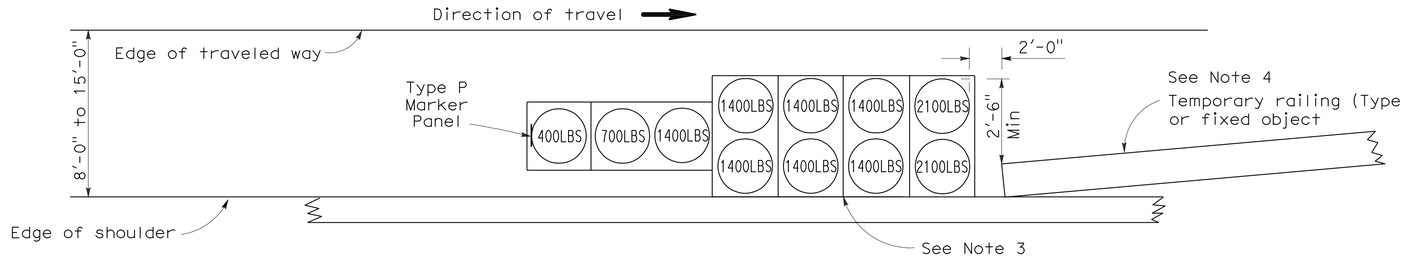
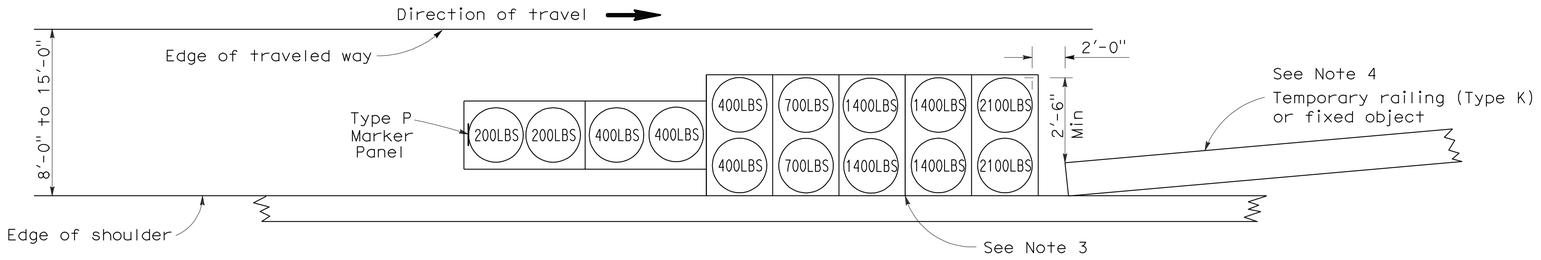
To accompany plans dated 4-12-10



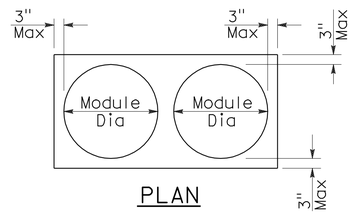
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

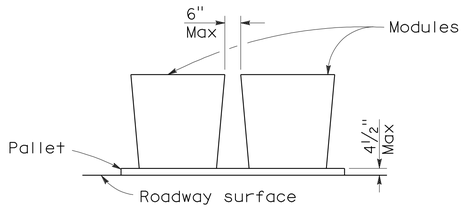


ARRAY 'TS14'

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	Hum	36	39.5	19	28

Greg W. Edwards
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

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

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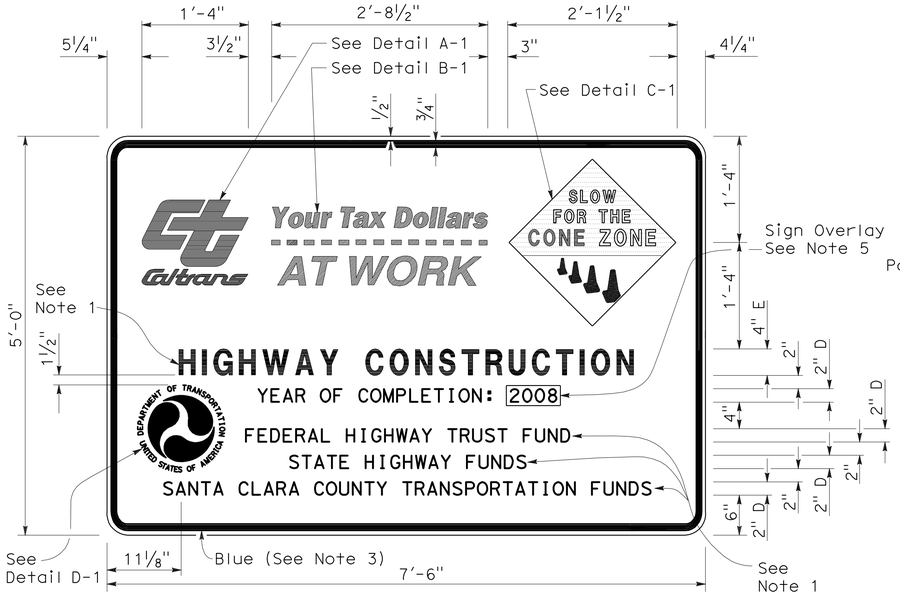
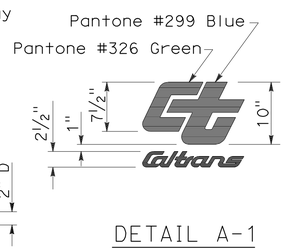
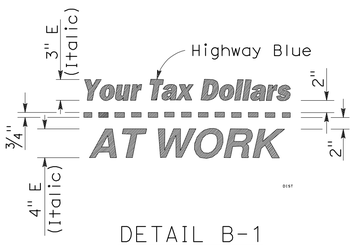
To accompany plans dated 4-12-10



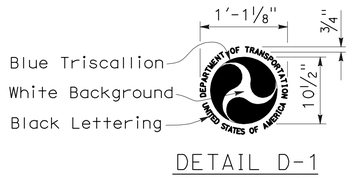
TYPE 1



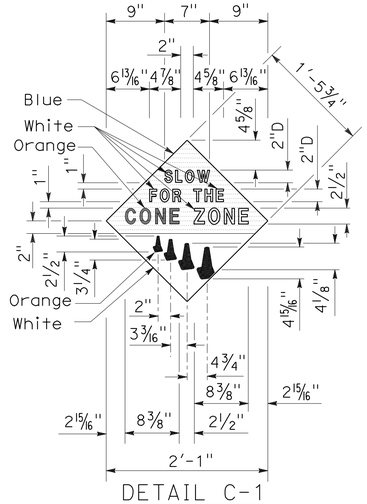
DETAIL A-1



DETAIL B-1
(See Note 3)



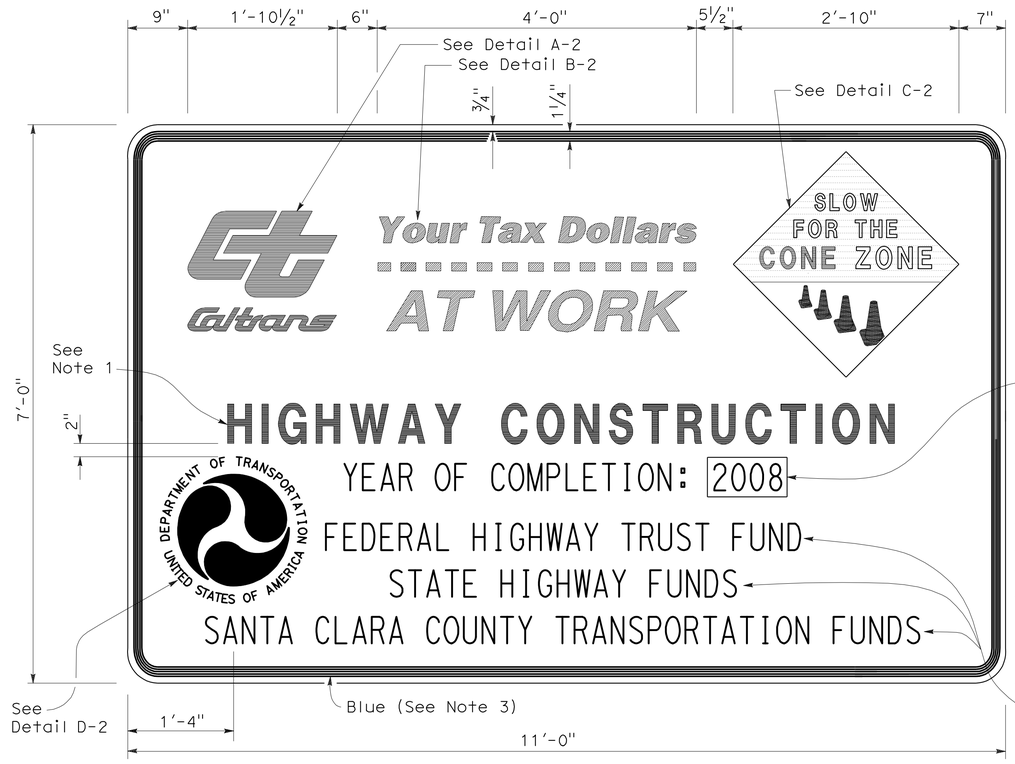
DETAIL D-1
(See Note 6)



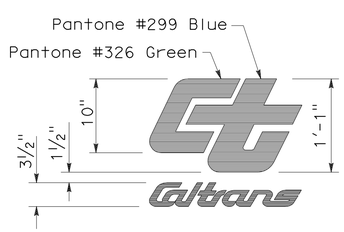
DETAIL C-1
(See Note 4)

NOTES:

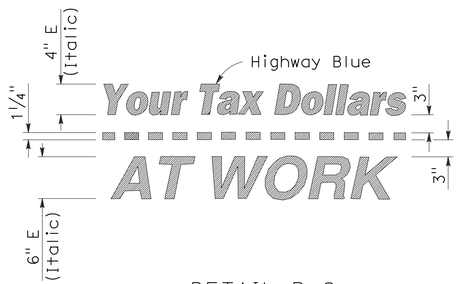
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the 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.



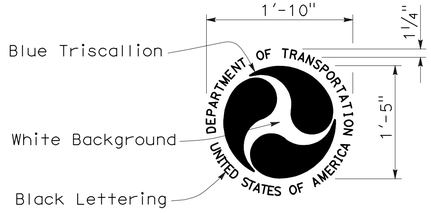
TYPE 2



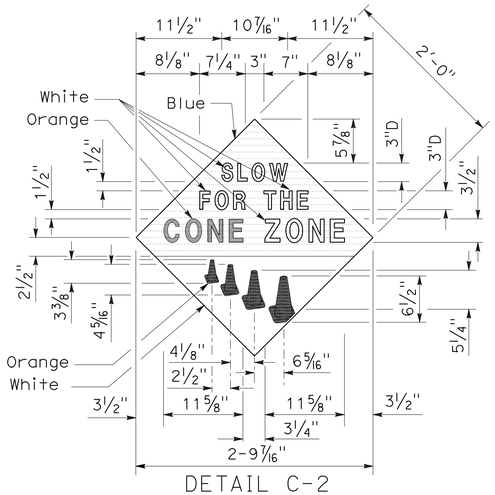
DETAIL A-2



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
01	Hum	36	39.5	20	28

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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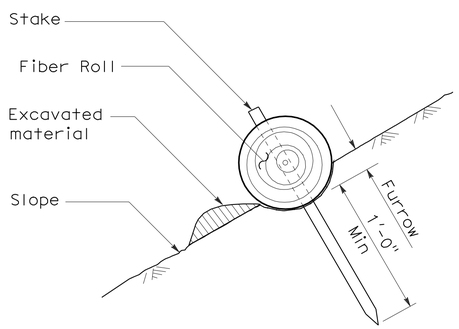
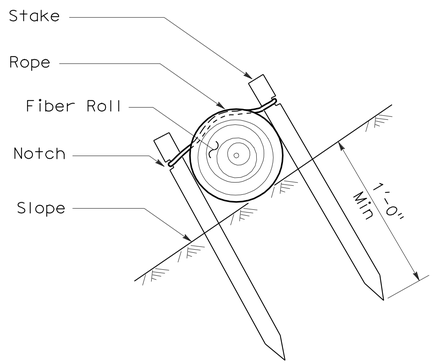
To accompany plans dated 4-12-10

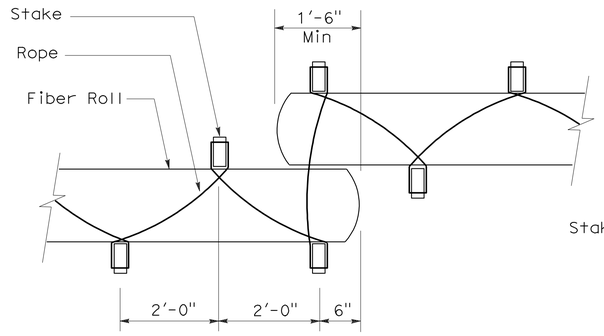


SECTION

TEMPORARY FIBER ROLL (TYPE 1)

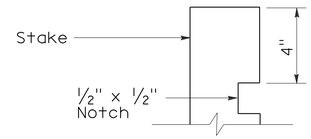


SECTION



PLAN

TEMPORARY FIBER ROLL (TYPE 2)

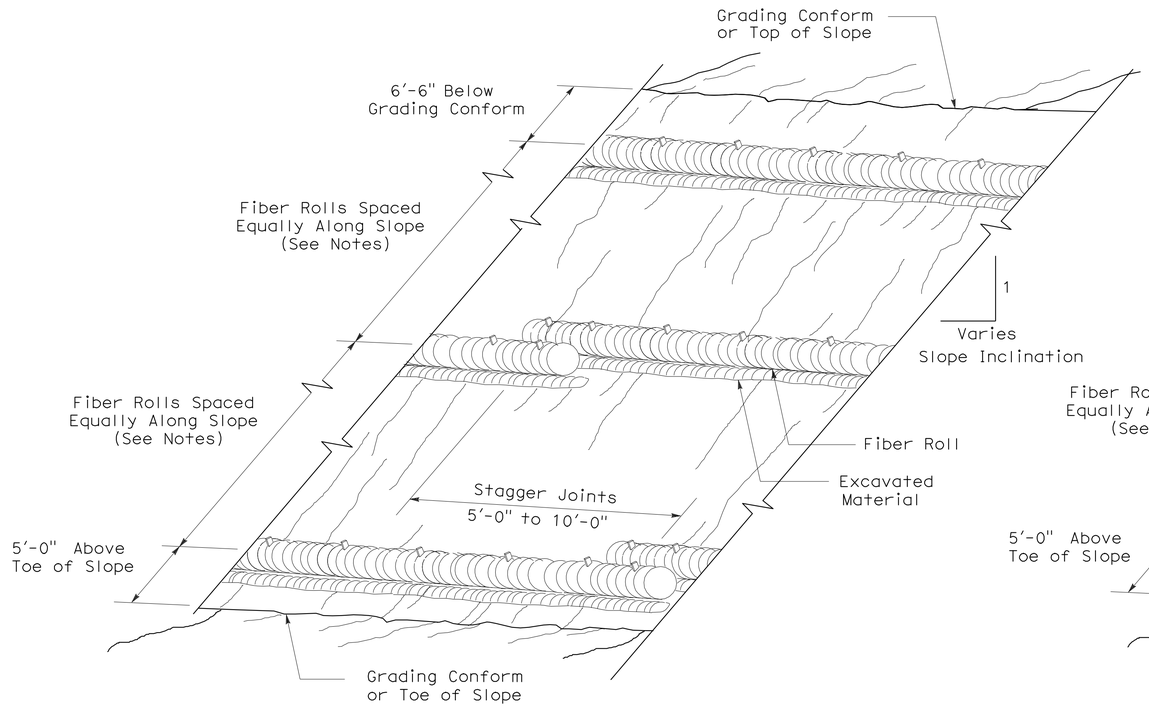


ELEVATION

STAKE NOTCH DETAIL

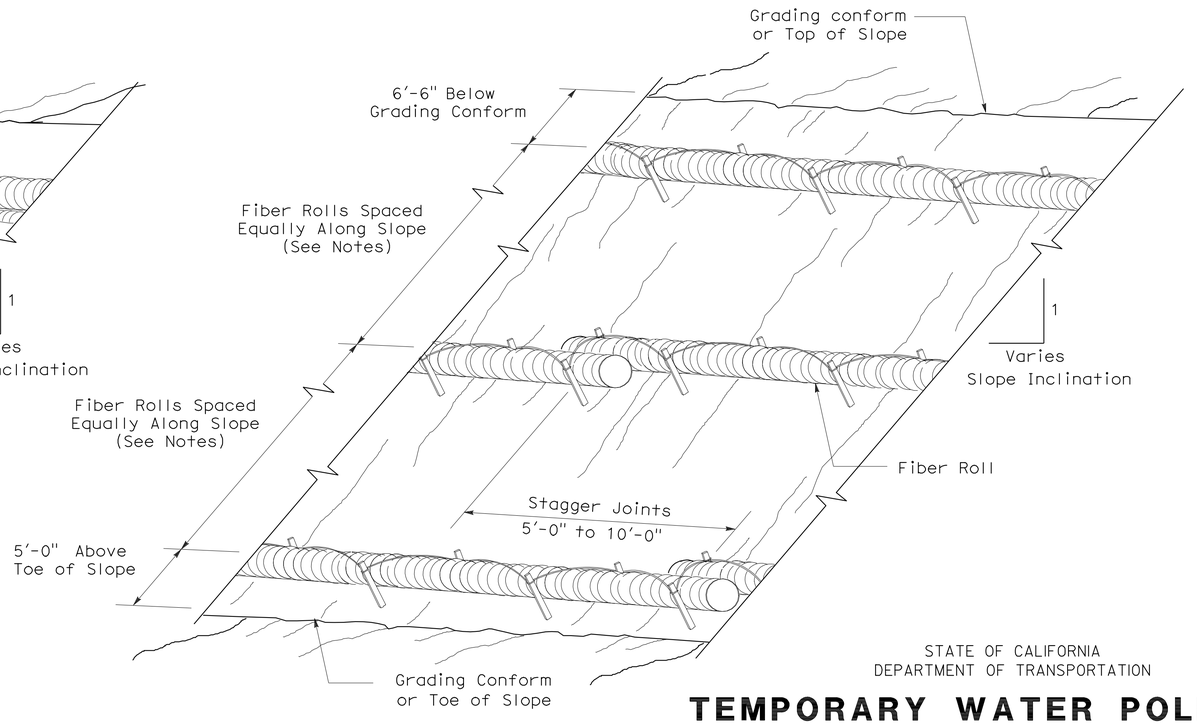
NOTES:

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	Hum	36	39.5	21	28

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS Approval DATE

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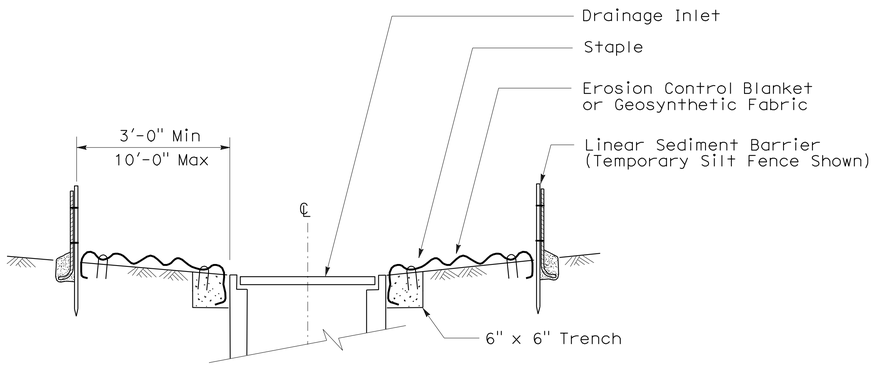
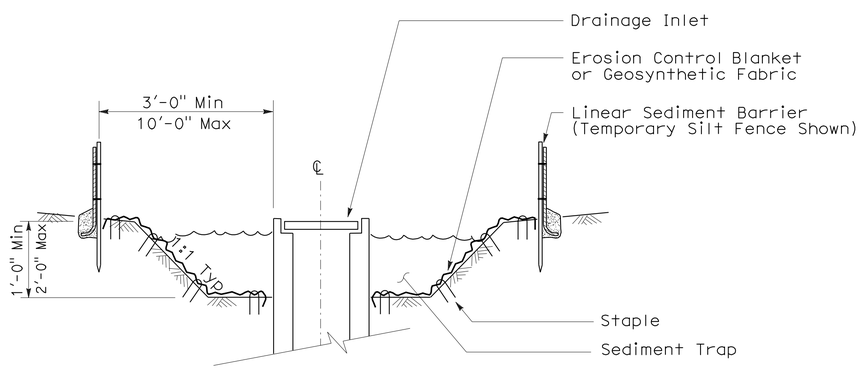
LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

To accompany plans dated 4-12-10



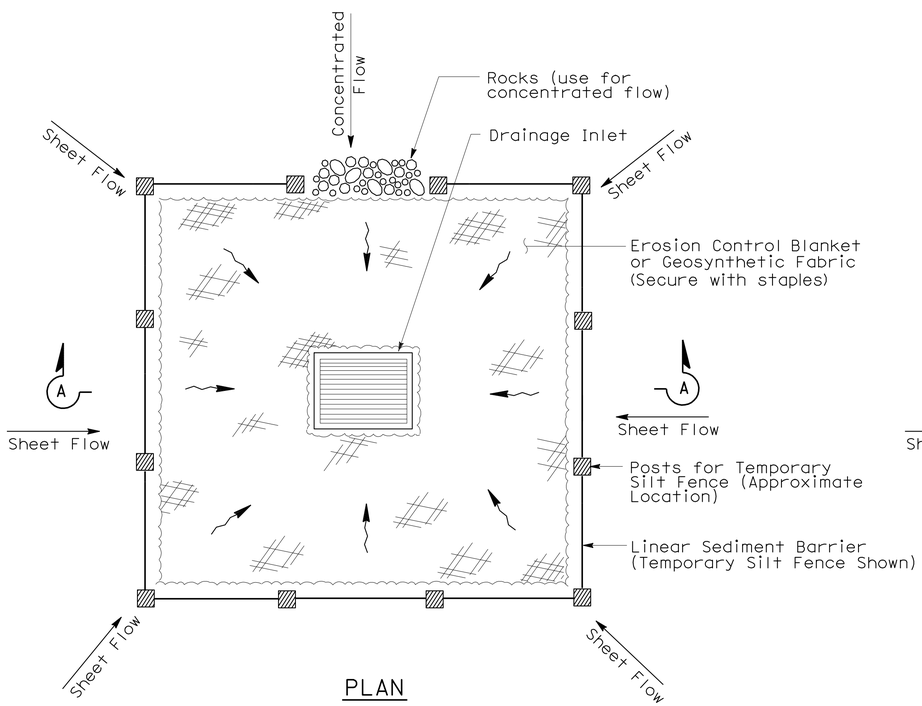
SECTION A-A



SECTION B-B

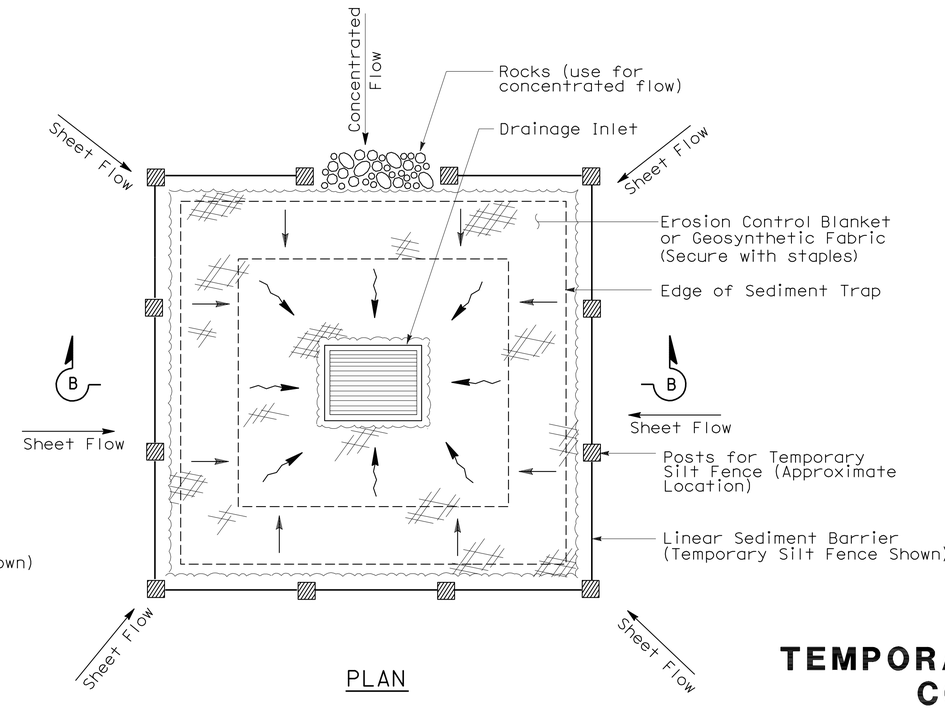
NOTES:

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



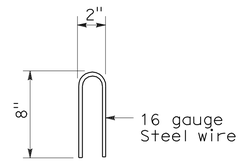
PLAN

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)

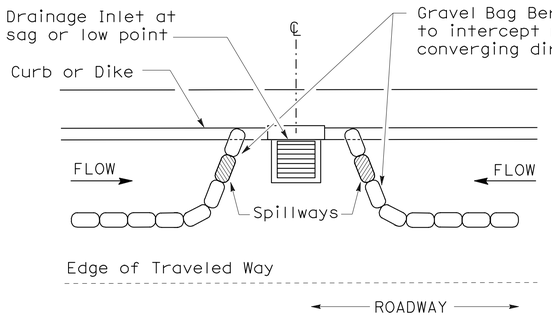
NO SCALE

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	22	28

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3025 Signature Date 11-04-08 Renewal Date 08-11-08 Date STATE OF CALIFORNIA

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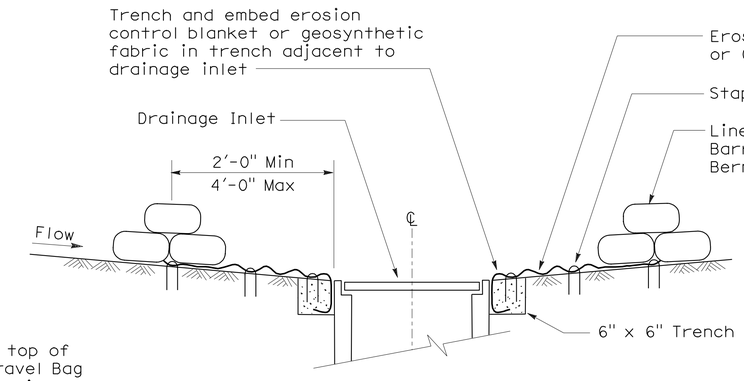
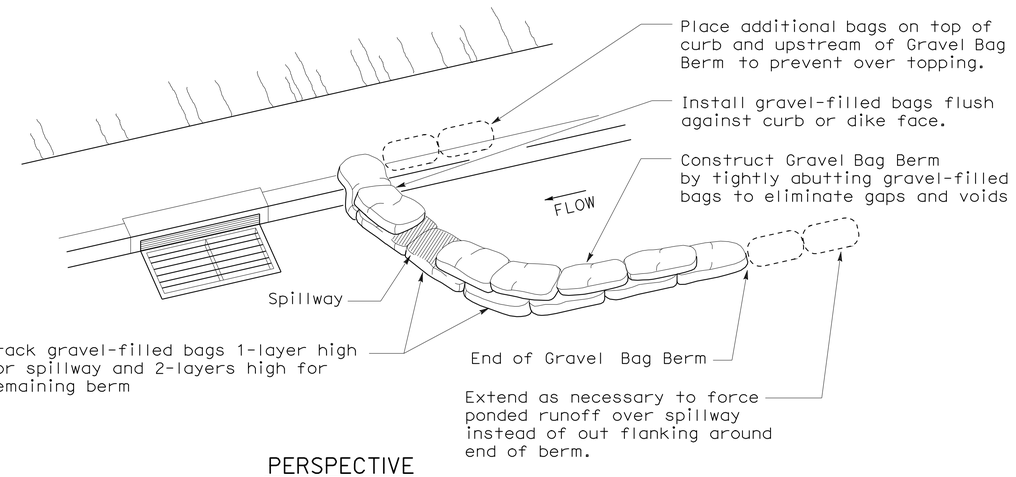
To accompany plans dated 4-12-10



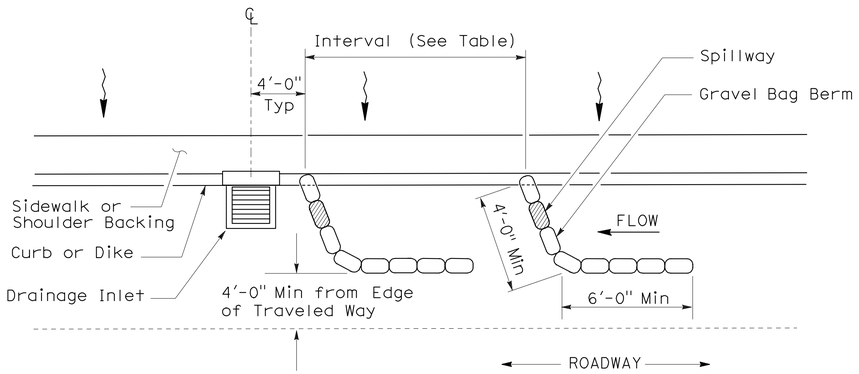
SECTION A-A

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.

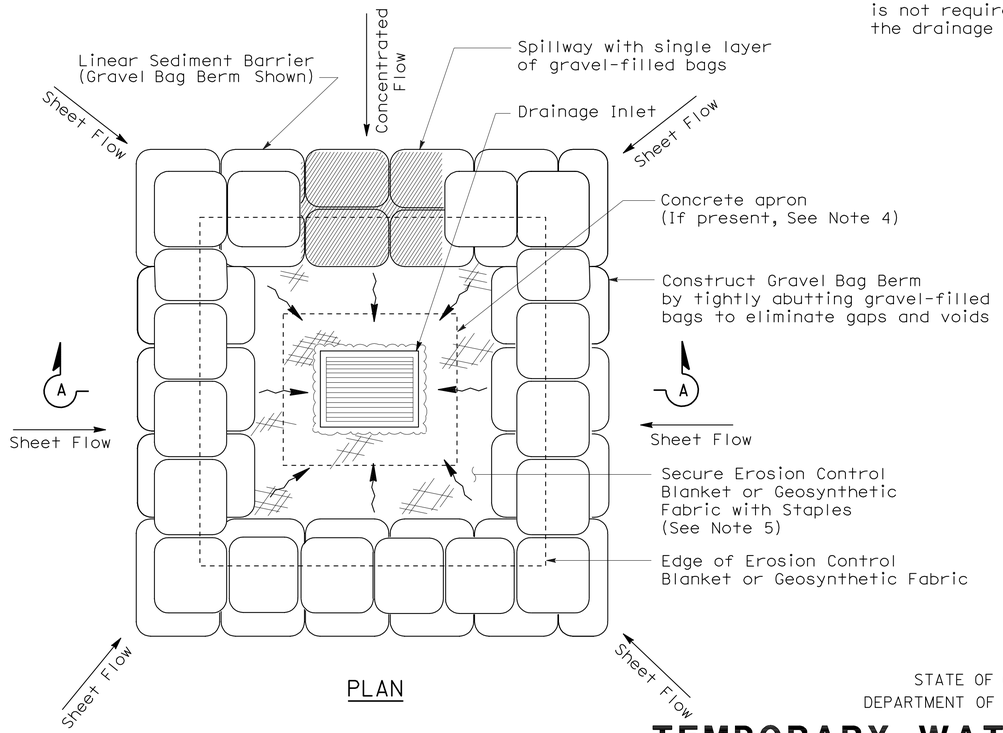


PERSPECTIVE



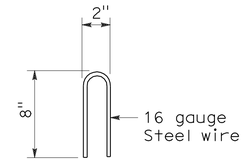
PLAN

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



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	23	28

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

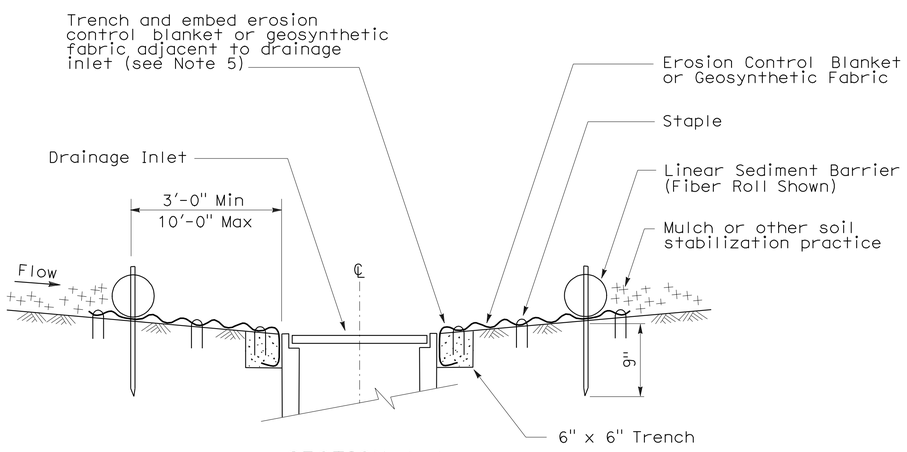
LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature Date 11-04-08 — Renewal Date 08-11-08 — Date — STATE OF CALIFORNIA

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.

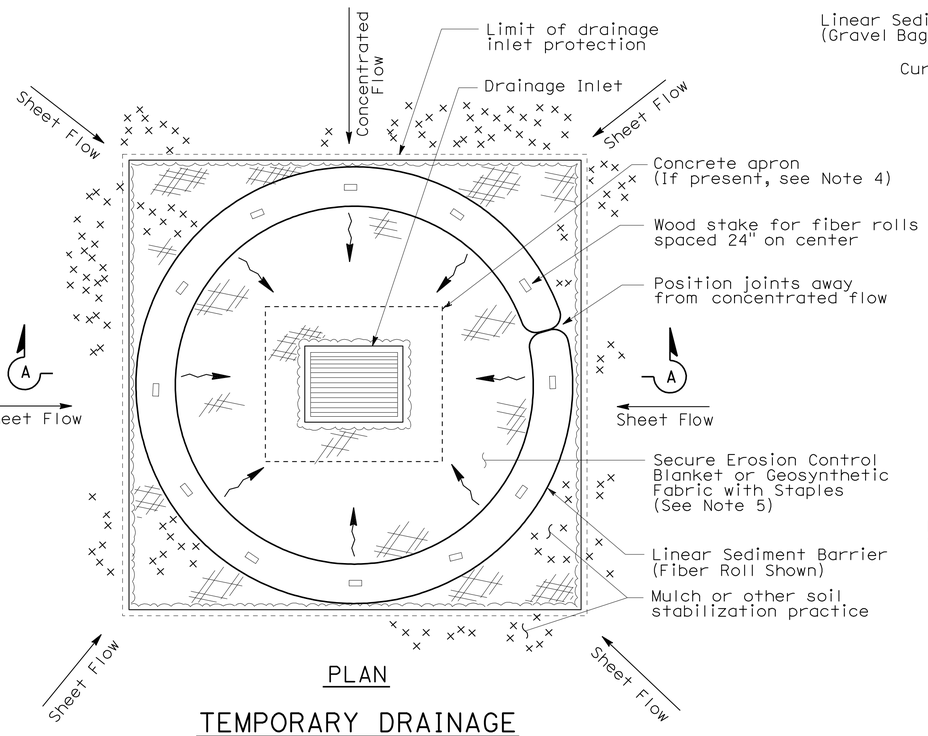
To accompany plans dated 4-12-10

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′

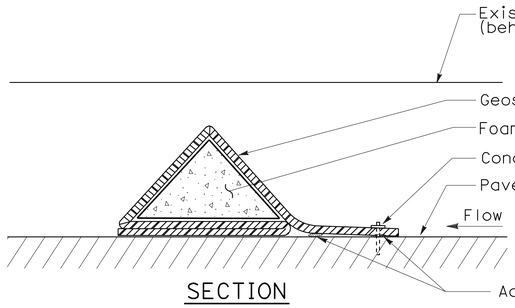


SECTION A-A



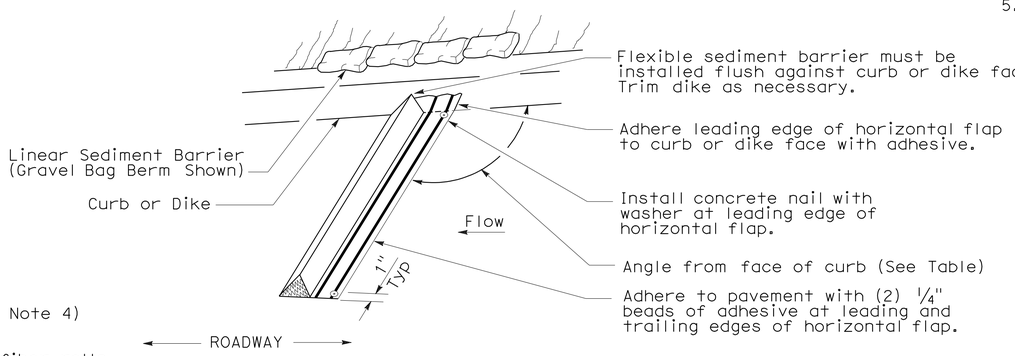
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A)

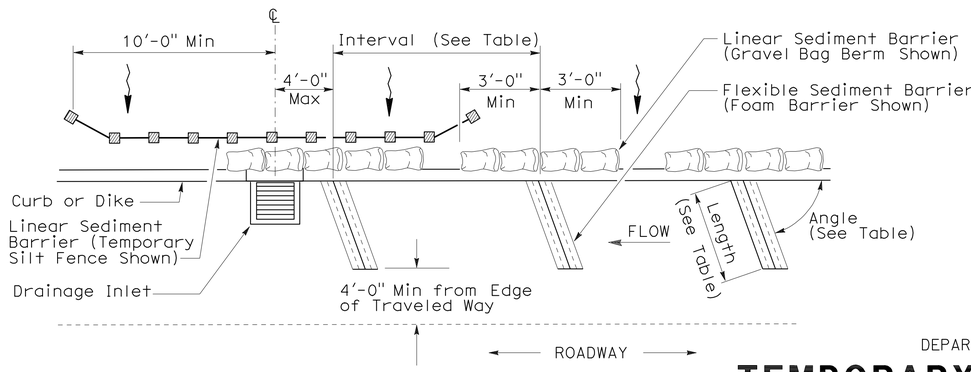


SECTION

FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)



PERSPECTIVE

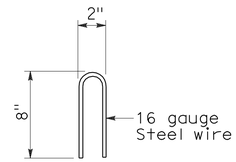


PLAN

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

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.



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	24	28

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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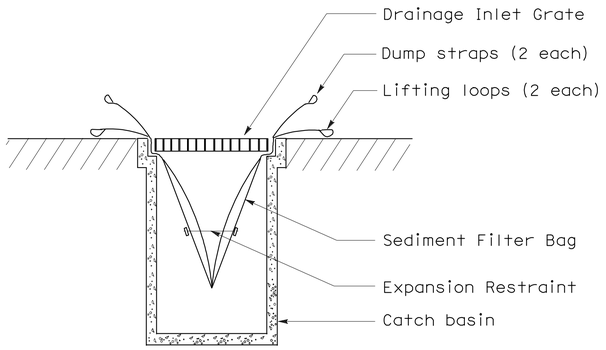
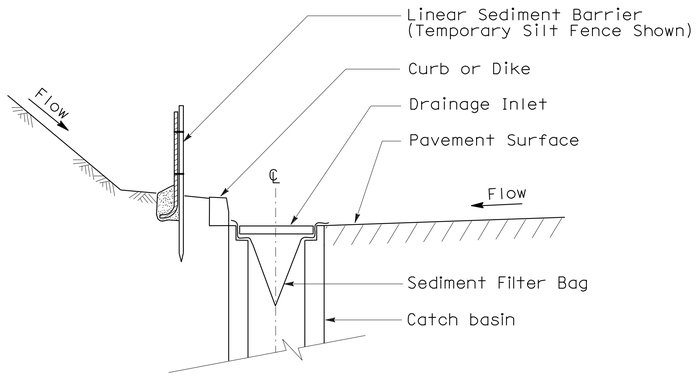
To accompany plans dated 4-12-10

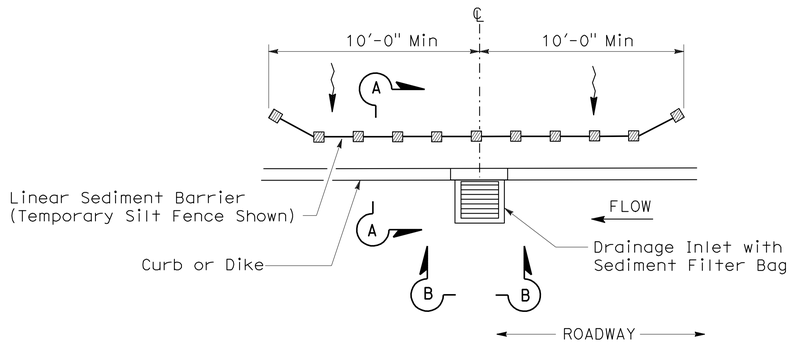


SECTION B-B

SEDIMENT FILTER BAG DETAIL

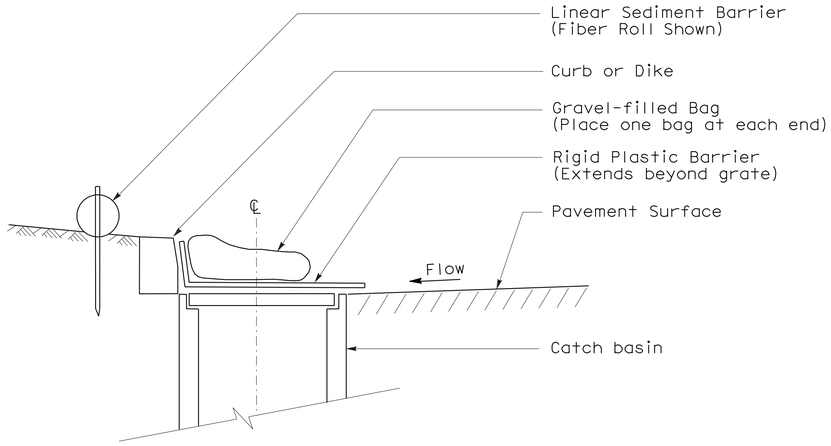


SECTION A-A



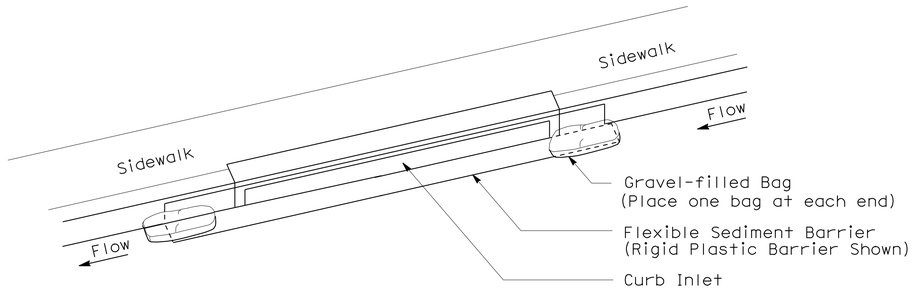
PLAN

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)

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	25	28

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

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

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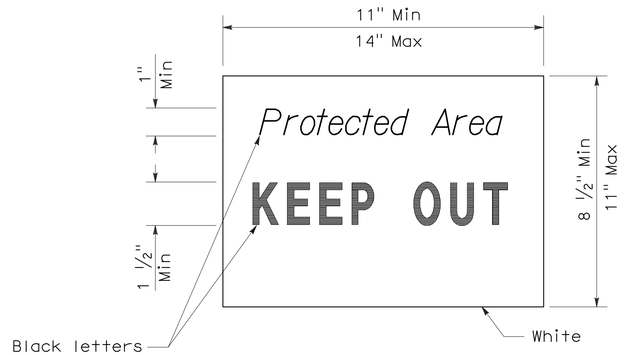
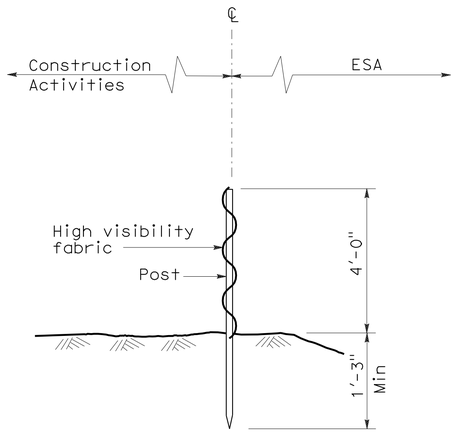
To accompany plans dated 4-12-10



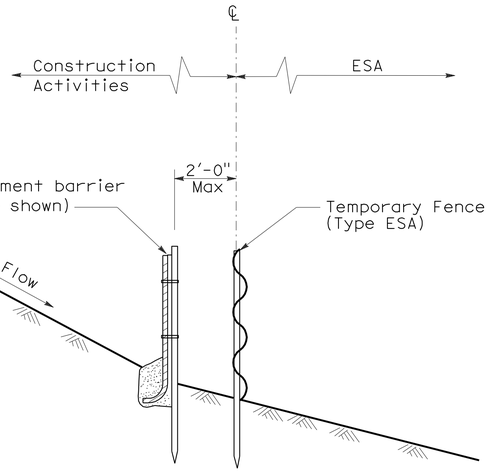
SIGN DETAIL

NOTE:

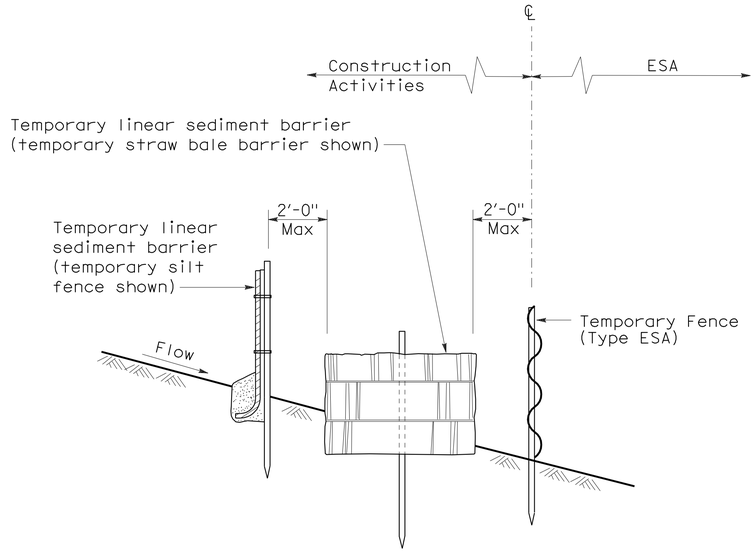
1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.



SECTION
TEMPORARY FENCE (TYPE ESA)



SECTION
PLACEMENT DETAIL FOR TEMPORARY LINEAR SEDIMENT BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)
(See Note 1)



SECTION
PLACEMENT DETAIL FOR TEMPORARY SILT FENCE AND TEMPORARY STRAW BALE BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)
(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS [TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T65

2006 NEW STANDARD PLAN NSP T65

1-7-09

ELECTROLIERS

STANDARD TYPES
15, 15D
15 STRUCTURE
21, 21D STRUCTURE
30
31
32
35
36-20A

High mast light pole

Double Arm lighting standard

Existing electrolier

Electrolier foundation (Future installation)

NOTES:

1. Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
2. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
3. Variations noted adjacent to symbol on project plans.

Electrolier (see project notes or project plans)

Luminaire on wood pole

STANDARD NOTES:

- AB Abandon. If applied to conduit, remove conductors.
- BC Install pull box in existing conduit run.
- BP Pedestrian barricade, type as indicated on plan.
- CB Install conduit into existing pull box.
- CC Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH Detector handhole.
- FA Foundation to be abandoned.
- IS Install sign on signal mast arm.
- NS No slip base on standard.
- PEC Photoelectric control.
- PEU Photoelectric unit.
- RC Equipment or material to be removed and become the property of the Contractor.
- RE Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL Relocate equipment.
- RR Remove and reuse equipment.
- RS Remove and salvage equipment.
- SC Splice new to existing conductors.
- SD Service disconnect.
- SF Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED	EXISTING	
BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces,
MAS-4B	mas-4B	side attachment - 4 signal section
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces,
MAS-5B	mas-5B	side attachment - 5 signal section
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	26	28

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

To accompany plans dated 4-12-10

SOFFIT AND WALL MOUNTED LUMINAIRES

- Pendant, 70 W HPS unless otherwise specified.
- Flush, 70 W HPS unless otherwise specified.
- Wall surface, 70 W HPS unless otherwise specified.
- Existing soffit or wall luminaire to remain unmodified.
- (M) Existing soffit or wall luminaire to be modified as specified.

NOTE:
Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A
DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	27	28

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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To accompany plans dated 4-12-10

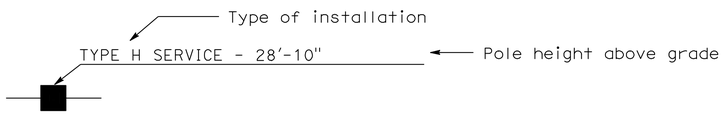
CONDUIT

PROPOSED	EXISTING	
— — —	— — —	Lighting Conduit, unless otherwise indicated or noted
— - — - —	— - — - —	Traffic signal conduit
—C— —	—c— —	Communication conduit
—T— —	—t— —	Telephone conduit
—F— —	—f— —	Fire alarm conduit
—FO— —	—fo— —	Fiber optic conduit
— — —]	— — —]	Conduit termination (RSP ES-9A C)
R	r	Conduit riser in/on structure or service pole

SERVICE EQUIPMENT

PROPOSED	EXISTING	
—OH—	—oh—	Overhead lines
U	U	Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
III		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
T	t	Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
PV	PV	Modifications of basic symbols: "L" Indicates all non-arrow sections louvered "LG" Indicates louvered green section only "PV" Indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
R	Y	Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
●	○	Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.
3. Signal indication shall be LED.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

2006 REVISED STANDARD PLAN RSP ES-1B

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36	39.5	28	28

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jeffery G. McRae — No. E14512 — Exp. 6-30-08 — ELECTRICAL — STATE OF CALIFORNIA

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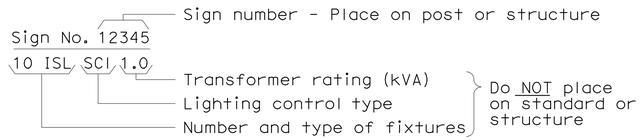
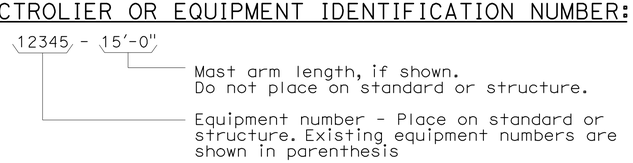
To accompany plans dated 4-12-10

EQUIPMENT IDENTIFICATION

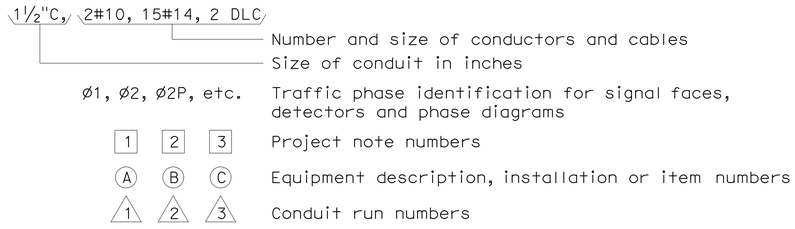
ILLUMINATED SIGN IDENTIFICATION NUMBER:



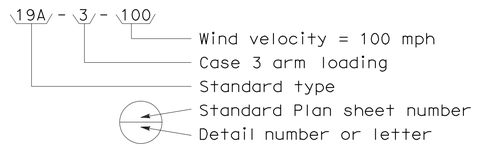
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



CONDUIT AND CONDUCTOR IDENTIFICATION:

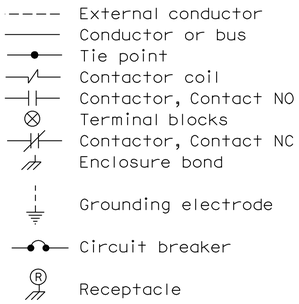


SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



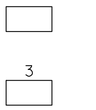
WIRING DIAGRAM LEGEND

P	Pole
CB	Circuit breaker
A	Ampere
V	Volt
M	Metered
UM	Unmetered
NB	Neutral bus
GB	Ground bus
G	Equipment grounding conductor
N	Grounded conductor (Neutral)



PULL BOXES

PROPOSED EXISTING



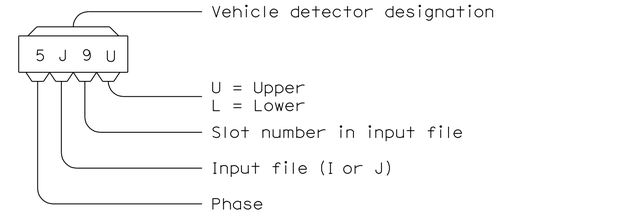
Pull box-No. 5 unless otherwise indicated or noted.

Pull box-Additional designations or descriptions

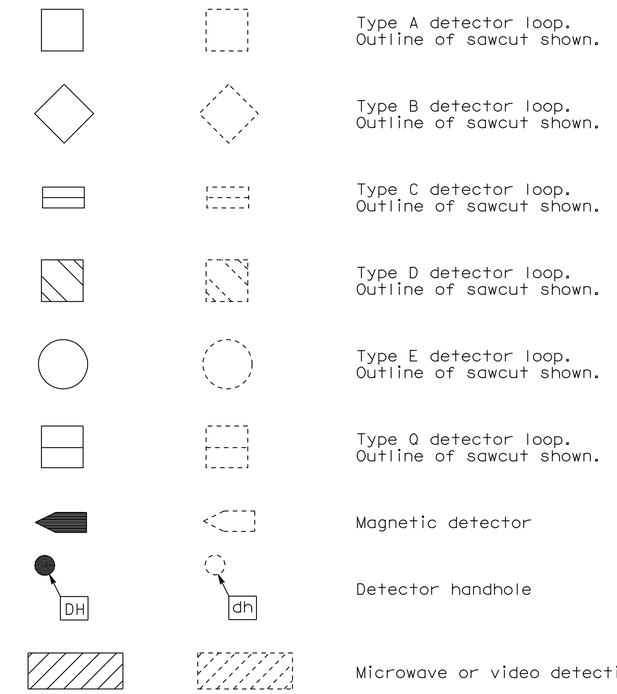
(C) = Communications pull box
(E) = Pull box with extension
(S) = Sprinkler control pull box
(21) = Anchor bolts and conduit for future installation of Type 21 Standard
(T) = Traffic pull box

3 = No. 3½ pull box
5 = No. 5 pull box
6 = No. 6 pull box
7 = No. 7 (Ceiling pull box)
8 = No. 8 (Pendant soffit pull box)
9 = No. 9 pull box
9A = No. 9A pull box

VEHICLE DETECTORS

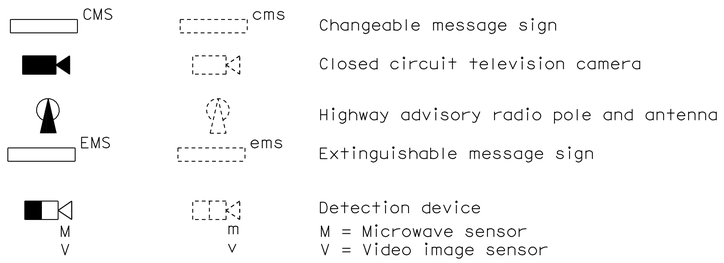


PROPOSED EXISTING



MISCELLANEOUS EQUIPMENT

PROPOSED EXISTING



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

7-10-07