DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 1999
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jeffrey B. Woody No. C41260 Exp. 3-31-03 CIVIL STATE OF CALIFORNIA

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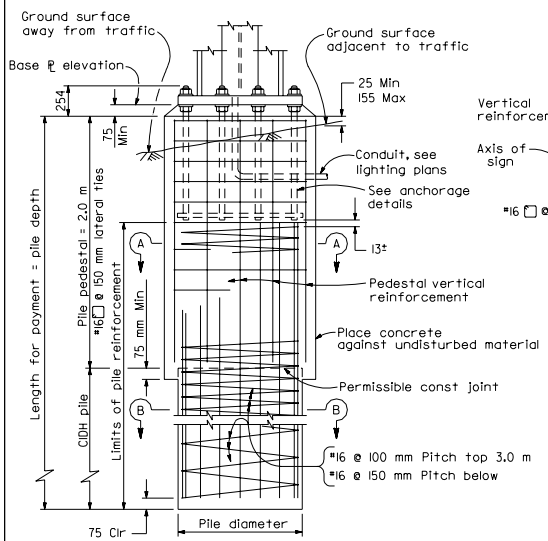
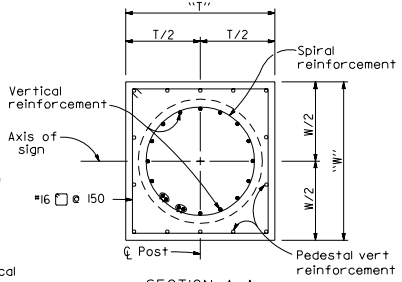
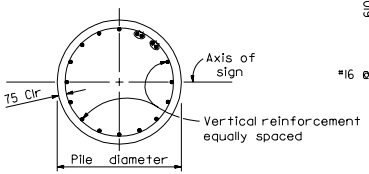


ELEVATION

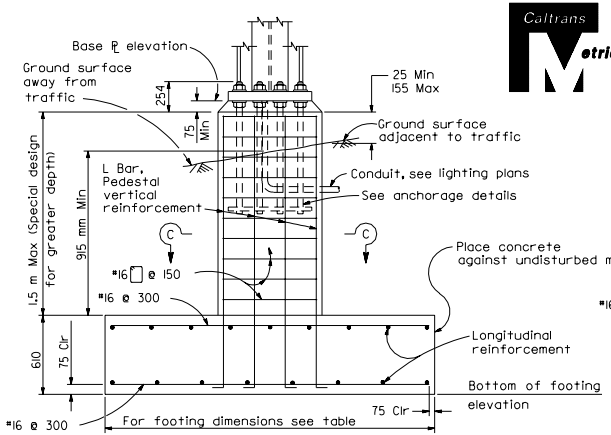


SECTION A-A



SECTION B-B

PILE FOUNDATION



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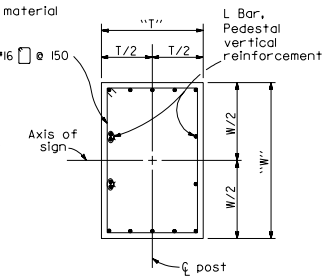

SECTION C-C

SPREAD FOOTING

TWO POST TYPE												
Post Type	Pedestal Size "T" x "W" (m) x (m)	Pile Foundation			Spread Footing							
		Vertical Reinf	Pile Dia (mm)	Pile Depth (m)	Pedestal Vert Reinf	Footing Dimension (m)	Top Reinf		Bottom Reinf			
							Longit	Transv	Longit	Transv		
A-1	1050 x 1250	16-#25	920	4.3	14-#22	2.2 x 4.9	7-#16	#16 @ 300	6-#29	#16 @ 300		
A-2		16-#29		4.9	14-#25	2.5 x 5.2	10-#16		10-#29			
A-3		16-#36		6.1	14-#29	2.5 x 5.5	8-#19		9-#36			
A-4		*24-#36		6.4	14-#29	2.5 x 6.1	8-#25		11-#36			
A-5		*24-#36		6.4	14-#32	2.5 x 6.1	8-#25		11-#36			
B-1	1.05 x 1.35	*16-#36		6.1	14-#25	2.5 x 5.5	8-#19		9-#36			
B-2	1.05 x 1.35	*24-#36		6.7	14-#29	2.5 x 6.1	10-#19		11-#36			
B-3	1.05 x 1.40	*28-#36		7.4	14-#32	2.5 x 6.4	7-#25		13-#36			
B-4	1.20 x 1.40	*24-#36	1070	6.7	14-#32	2.5 x 6.7	7-#25		14-#36			
B-5	1.20 x 1.40	*24-#36	1070	7.0	14-#32	2.5 x 7.1	8-#25		15-#36			
C-1	1.05 x 1.05	16-#29	920	4.9	14-#22	2.2 x 4.9	6-#19		7-#36			
C-2	1.05 x 1.15	16-#36		5.8	14-#29	2.5 x 5.2	8-#19		9-#36			
C-3	1.05 x 1.15	*24-#36		6.4	14-#32	2.5 x 5.8	9-#19		11-#36			
C-4	1.05 x 1.15	*28-#36		7.4	14-#32	2.5 x 6.4	7-#25		13-#36			
C-5	1.20 x 1.20	*24-#36	1070	6.7	14-#36	2.5 x 6.7	8-#25		15-#36			
C-6		*24-#36		7.1	14-#36	2.5 x 7.1	8-#25		16-#36			
C-7		*28-#36		7.4	14-#36	2.5 x 7.1	8-#25		12-#43			
C-8		*34-#36		7.7	*28-#32	2.5 x 7.4	9-#25		13-#43			
D-1	1.05 x 1.25	*24-#36	920	6.4	14-#29	2.5 x 5.8	9-#19		10-#36			
D-2	1.05 x 1.30	*28-#36	920	7.4	14-#32	2.5 x 6.4	7-#25		13-#36			
D-3	1.20 x 1.30	*24-#36	1070	7.4	14-#36	2.5 x 7.1	8-#25		16-#36			
D-4		*34-#36		8.3	14-#36	2.5 x 7.1	8-#25		18-#36			
D-5		*34-#36		9.2	*28-#32	2.5 x 7.7	9-#25		14-#43			
D-6	1.30 x 1.40	*34-#36		9.2	14-#36	2.5 x 8.0	10-#25		14-#43			
D-7		*34-#36		9.2	14-#36	2.5 x 8.0	10-#25	#16 @ 300	15-#43	#16 @ 300		

* Bundled bars

SINGLE POST TYPE												
Post Type	Pedestal Size "T" x "W" (m) x (m)	Pile Foundation			Spread Footing							
		Vertical Reinf	Pile Dia (mm)	Found-ation Depth (m)	Pedestal Vert Reinf	Footing Dimension (m)	Top Reinf		Bottom Reinf			
							Longit	Transv	Longit	Transv		
E-1	1.02 x 1.12	16-#25	920	4.0	14-#25	2.5x 4.3	6-#16	#16 @ 300	9-#22	#16 @ 300		
E-2	1.02 x 1.12	16-#29		4.6	14-#29	2.8 x 4.6	6-#19		9-#29			
E-3	1.12 x 1.12	16-#32		5.5	14-#32							
E-4	1.12 x 1.12	16-#36		6.1	14-#36							
F-1	1.02 x 1.12	16-#25		4.0	14-#22	2.5 x 4.0	8-#16	#16 @ 300	10-#22	#16 @ 300		
F-2		16-#29		4.6	14-#22	2.5 x 4.6	8-#16		11-#25			
F-3		16-#29		4.9	14-#25	2.5 x 4.9	9-#16		10-#29			
F-4		16-#36		5.8	14-#29	2.5 x 5.8	6-#19		10-#36			
F-5		16-#36		6.7	14-#32	2.5 x 6.1	10-#19	#16 @ 300	12-#36	#16 @ 300		

NOTES

1. Base plates, pedestals and footings; longer sides shall be normal to axis of sign.
2. For anchor bolt layout see Standard Plans S40F and S40J.
3. For base plate elevation see Format sheet.
4. Prior to erection of the post, backfill which is equivalent to the surrounding material shall be in place.
5. Pile pedestal shall be formed 155 mm minimum below ground surface. Remainder to be placed against undisturbed material.
6. Pile footing - use foundation depth shown in table unless otherwise shown on Format sheet.
7. On single post sign structures the post shall be raked out of plumb with the use of the levelling nuts to make the bottom of the sign frame level.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-BOX BEAM CLOSED TRUSS FOUNDATION DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

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1999 STD. PLAN S39