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

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jeffrey B. Woody No. C41260 Exp. 3-31-07 CIVIL STATE OF CALIFORNIA

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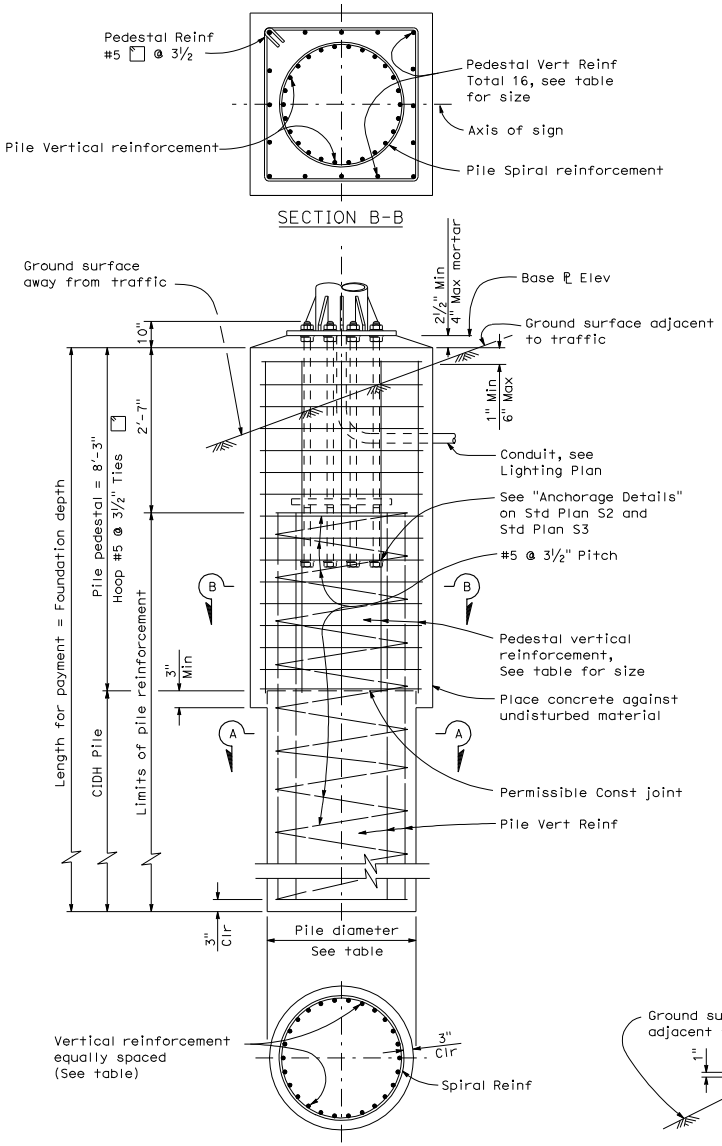
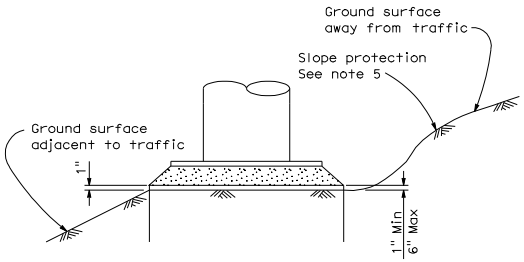
To get to the Caltrans web site, go to: http://www.dot.ca.gov



Post Type No.	Anchor Bolts			Square Pile Pedestal						CIDH Pile					Foundation Depth **
	Bolt Circle	Bolt Total and Dia	Total Length	Pedestal Square one side	Vertical Reinforcing			Hoop		Pile Dia	Vertical Reinforcing		Spiral		
					Total	Bar Size	# of bars each face	Bar Size	Spacing		Total	Bar Size	Bar Size	Pitch	
II	2'-0"	12-2"	4'-2"	5'-3"	16	#10	5	#5	3½"	4'-6"	26	#10	#5	3½"	14'-9"
III	2'-0"	12-2"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	16'-0"
IV	2'-0"	12-2"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	18'-0"
V	2'-10"	14-2"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	19'-0"
VI	↓	16-2½"	5'-0"	5'-9"	↓	#11	↓	↓	↓	5'-0"	28	#11	↓	↓	22'-0"
VII	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	23'-0"
VIII	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	25'-0"
IX	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	25'-0"

** Use Foundation Depth shown in table unless otherwise shown on the Project Plans.



DETAIL C

NOTES:

1. **For anchor bolt layout, see Standard Plan S3.**
2. For "Base ℄ elevation" see Project Plans.
3. Prior to erection of the post, backfill which is equivalent to the surrounding material shall be in place.
4. Pedestal shall be formed 6" minimum below ground surface Remainder to be placed against undisturbed material.
5. Slope protection required when indicated on the Project Plans.
6. Foundation design is based on 2001 AASHTO article 13.6 Broms' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30 degree and unit weight of soil used is 120 lb/ft^3.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS SINGLE POST TYPE SQUARE PEDESTAL PILE FOUNDATION

NO SCALE

S7

1-4-06

2006 STANDARD PLAN S7