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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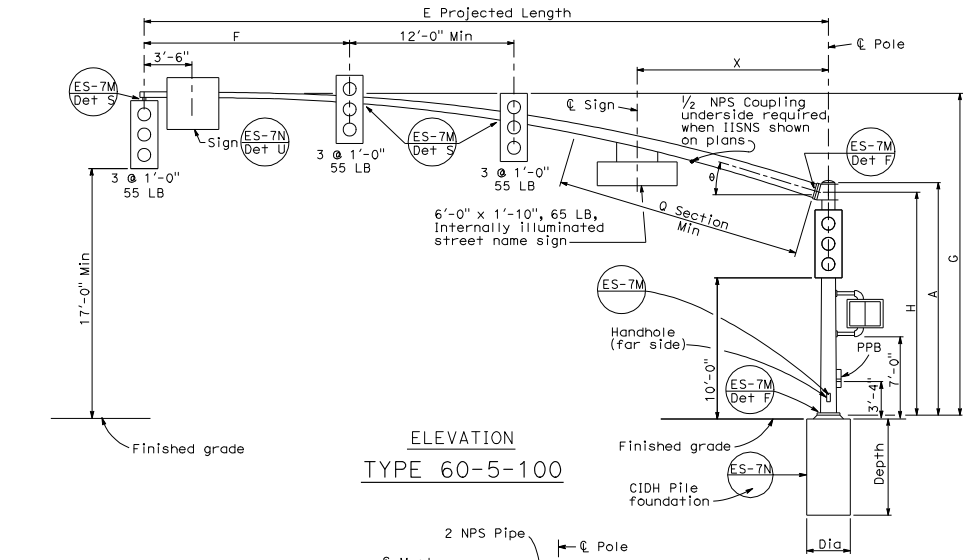
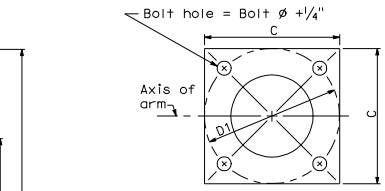
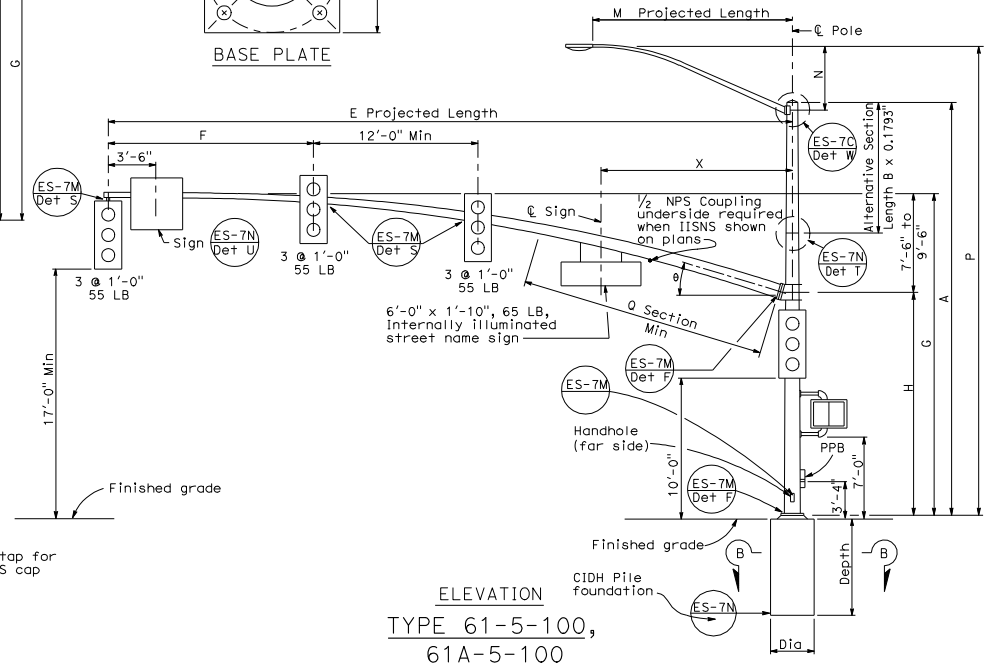


ELEVATION

TYPE 60-5-100

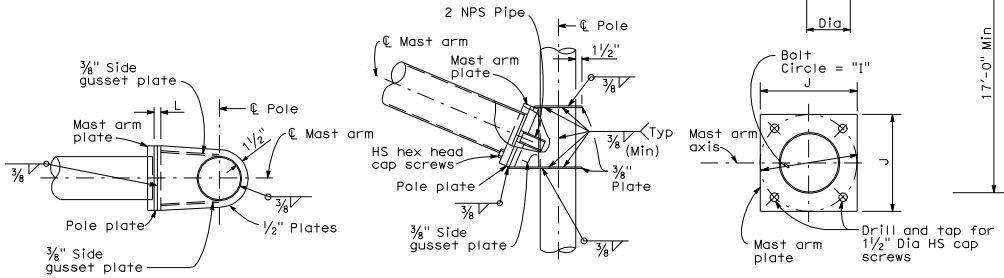


BASE PLATE



ELEVATION

TYPE 61-5-100, 61A-5-100



SIGNAL ARM CONNECTION DETAIL

NOTE:

The radial separation between the face of the pole and the adjacent insides of the top and bottom gusset plates shall not exceed 3/16". Fillet weld size to be increased by amount of gap.

SIGNAL ARM DATA														
E Projected Length	F Min Spacing	G Mounting Height	H	Min OD At Pole	Thickness	I Bolt Circle	HS Cap Screws	J Plate Size	K Arm ℙ Thickness	L Pole ℙ Thickness	θ	Q SECTION Length	Q SECTION Thickness	X Max
60'-0"	15'-0"	23'-7" to 25'-7"	16'-0"	1'-1½"	0.1793"	20"	1½"-6NC-4"	1'-8"	2"	2"	15°	24'-0"	0.2391"	14'-0"
65'-0"					0.2391"							29'-0"	0.3125"	

LUMINAIRE ARM DATA					
M Projected Length	N Rise	Min OD at Pole	Thickness	P Mounting Height 30'-0" Pole	P Mounting Height 35'-0" Pole
6'-0"	2'-0"±	3¼"	0.1196"	31'-6"±	36'-6"±
8'-0"	2'-6"±	3½"		32'-0"±	37'-0"±
10'-0"	3'-3"±	3⅞"		32'-9"±	37'-9"±
12'-0"	4'-3"±			33'-9"±	38'-9"±
15'-0"	4'-9"±	4¼"		34'-3"±	39'-3"±

Pole Type	Load Case	Wind Velocity mph	POLE DATA A Height	POLE DATA Min OD Base	POLE DATA Min OD Top	POLE DATA Thickness	BASE PLATE DATA C	BASE PLATE DATA D1 Bolt Circle	BASE PLATE DATA Thickness	BASE PLATE DATA Anchor Bolts Size	Luminaire Arm	Signal Arm	CIDH PILE FOUNDATION Diameter	CIDH PILE FOUNDATION Depth	CIDH PILE FOUNDATION Reinforced
60-5-100	5	100	17'-0"	16"	1'-1 11/16"	0.3125"	1'-11"	1'-11"	2"	2¼" ø x 5'-0" x 6"	None	60'-0", 65'-0"	3'-0"	16'-0"	Yes
61-5-100			30'-0"		11⅞"						6'-15' [15'-0"]				
61A-5-100			35'-0"		11"										

☐ Indicates arm length to be used unless otherwise noted on plans.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD CASE 5 ARM LOADING WIND VELOCITY=100 MPH ARM LENGTHS 60' TO 65')

NO SCALE

ES-7H

2-8-06

2006 STANDARD PLAN ES-7H