

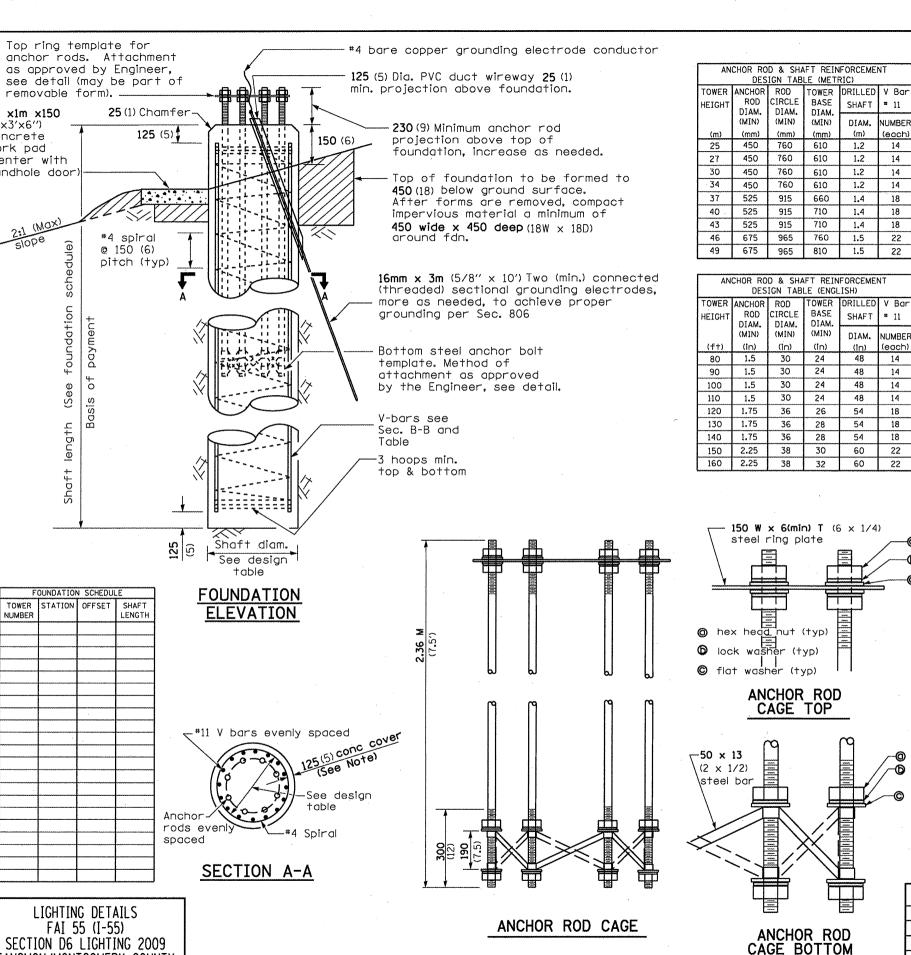
SHAFT LENGTH DESIGN TABLE (ENGLISH) (LENGTH IN FEET)											
	SOIL CONSISTENCY AVERAGE STRENGTH		LIGHT TOWER HEIGHT (feet)								
		(Qu in tsf)	80	90	100	110	120	130	140	150	160
sive	SOFT	< 0.5	20.4	21.5	22.5	23.6	25.0	26.1	27.2	28.5	29,8
	MEDIUM	0.5 to 1	16.8	17.5	18.3	19.0	20.3	21.1	21.8	23.1	24.0
esi	STIFF .	1 to 2	14.3	14.8	15.4	15.9	17.1	17.6	18.1	19.3	19.9
ohe	VERY STIFF	2 to 4	12.6	13.0	13.3	13.7	14.8	15.2	15.6	16.7	17.1
ٽ -	HARD	> 4	11.4	11.6	11.9	12.2	13.2	13.5	13.8	14.9	15.2
		(N in BLOWS/FT.)									
	VERY LOOSE	< 5 ⋅	16.4	17.1	17.8	18.5	18.9	19.6	20.2	20.7	21.4
ř.	L00SE	5 to 10	15.0	15.6	16.2	16.8	17.3	17.9	18.4	18.9	19.5
anular	MEDIUM	10 to 25	14.3	14.9	15.5	16.0	16.4	17.0	17.5	17.9	18.5
	DENSE	25 to 50	13.6	14.1	14.6	15.1	15.5	16.1	16.5	16.9	17.5
ঠ	VERY DENSE	> 50	12.9	13.4	13.9	14.4	14.8	15.3	15.7	16.1	16.6

## GENERAL NOTES

- 1) The shaft length(s) provided in the foundation schedule are based on the soil borings included in the plans. If different soils are encountered, the engineer shall be notified to provide a revised length.
- 2) Use 8 rods min., see design table for minimum anchor rod diameter. Anchor rod quantity, diameter, and length shall be determined by the approved drawings furnished by pole
- 3) All foundation reinforcement steel to be epoxy coated. Use \*11 vertical bars and \*4 spiral reinforcement - see design table.
- 4) The cost of reinforcing is incidental to the foundation.
- 5) Steel anchor bolt forms shall not be removed for a minimum of 3 days after concrete is poured and the tower shall not be set for a minimum of 7 days or as approved by the Engineer.
- 6) Coordinate bolt circle diameter of the tower with the bolt circle diameter of the anchor bolt cage.
- 7) Foundation shall be in accordance with applicable portions of Section 516 and 837 of the Standard Specifications.
- 8) Foundation shall be poured monolithically with no construction ioints allowed.
- 9) Place grounding electrodes in an access well, if there is a conflict in using the wireway window.
- 10) Diameters listed in the tables are based upon a 125 (5") concrete cover. The minimum cover is 75 (3") in a dry shaft excavation or 100 (4") in a wet hole. When rock is encountered, a 125 (5") cover is required against soil to allow a 50 (2") cover against rock

All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS						
	Corrected 4/12/06	LIGHT TOWER					
		FOUNDATION					
	·						



1m x1m x150

(center with

handhole door

(3'x3'x6")

Concrete

work pad

NUMBER

SANGMON/MONTGOMERY COUNTY