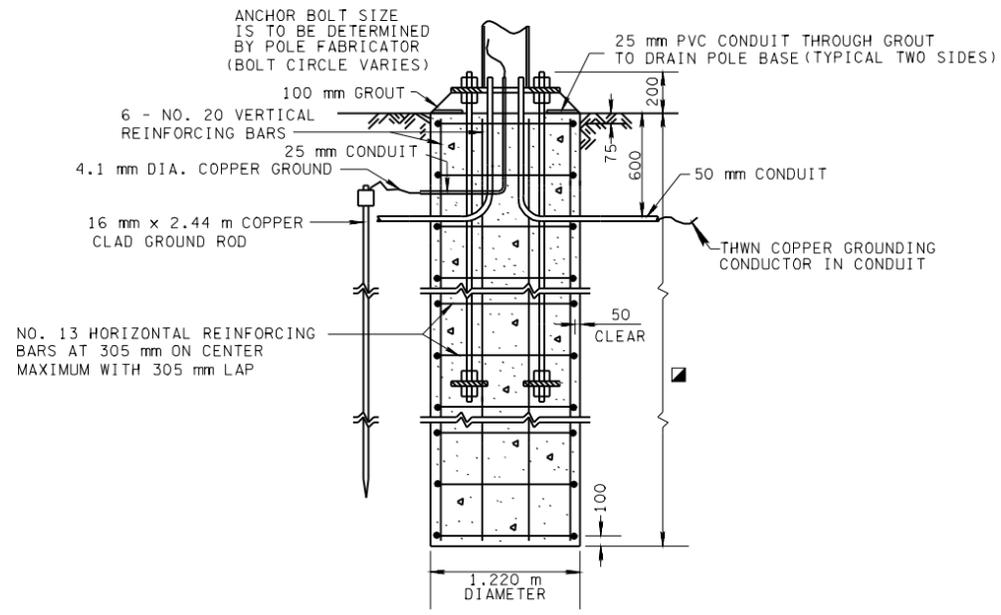


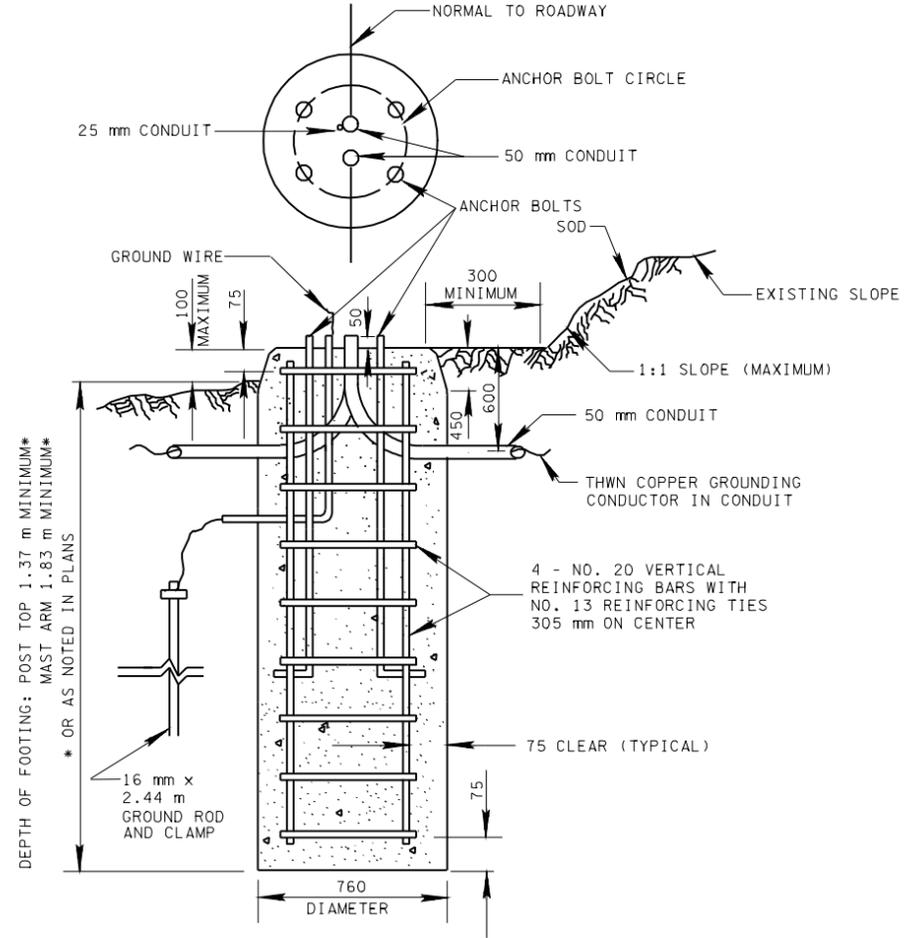
METAL FOUNDATION DETAIL ALTERNATE



HIGH MAST FOUNDATION DETAIL

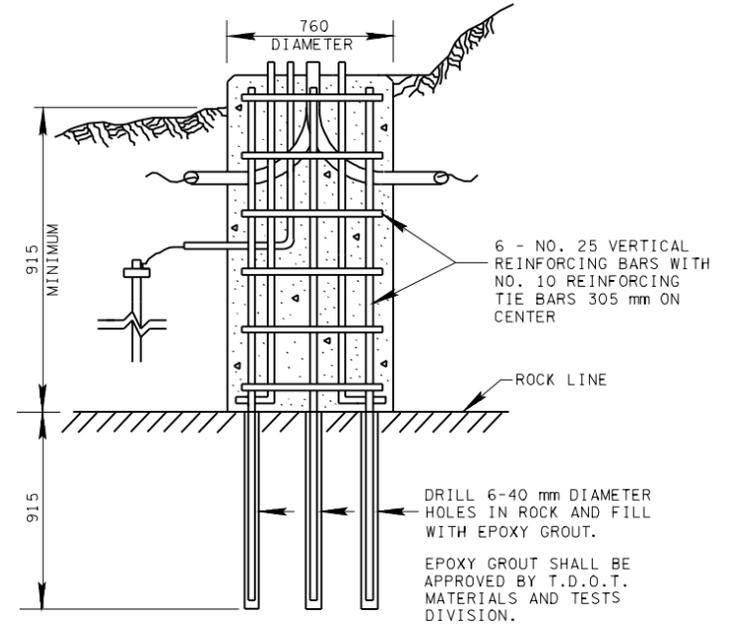
MINIMUM HIGH MAST FOOTING DEPTH	
TOWER HEIGHT	MINIMUM FOOTING DEPTH
30 m	4.3 m
31 m - 37 m	5.5 m
37 m - 43 m	6.7 m
43 m - 46 m	8.0 m

THE ABOVE FOOTING DEPTHS ARE FOR BIDDING PURPOSES ONLY. THE FINAL FOOTING DEPTH WILL BE DETERMINED BY AN ANALYSIS OF THE SOIL INFORMATION OBTAINED BY THE CONTRACTOR AND SUPPLIED TO THE ENGINEER OF STRUCTURES. SEE SPECIAL NOTES FOR HIGH MAST POLES.



LIGHT STANDARD FOUNDATION DETAIL

GROUNDING CONDUCTOR SIZE	
PHASE/NEUTRAL CONDUCTOR SIZE	GROUNDING CONDUCTOR SIZE
6.5 mm DIA.	3.3 mm DIA.
7.3 mm DIA. OR 8.3 mm DIA.	4.1 mm DIA.
9.3 mm DIA. OR 10.4 mm DIA.	5.2 mm DIA.



LIGHT STANDARD FOUNDATION DETAIL (IN ROCK)

- GENERAL NOTES**
- (A) ANCHOR BOLT CIRCLE DIAMETER SHALL COMPLY WITH POLE MANUFACTURER'S ANCHOR BOLT PATTERN FOR THE SPECIFIC POLE AND BREAKAWAY BASE.
 - (B) THE TOP 300 mm OF THE FOUNDATION MAY BE FORMED SQUARE.
 - (C) WHEN NECESSARY DUE TO ROCK, THE GROUND ROD SHALL BE PLACED HORIZONTALLY IN THE CONDUIT TRENCH, MAINTAINING A 75 mm MINIMUM SEPARATION FROM CONDUIT.
 - (D) FOUNDATION SHALL BE PLACED AGAINST UNDISTURBED SOIL. IF ROCK OR WATER IS ENCOUNTERED DURING EXCAVATION FOR FOUNDATION, THE CONTRACTOR MAY PROPOSE MODIFICATIONS TO THE FOUNDATION DESIGN, SUBJECT TO THE REVIEW AND APPROVAL OF THE ENGINEER.



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

STANDARD LIGHTING DETAILS FOUNDATIONS