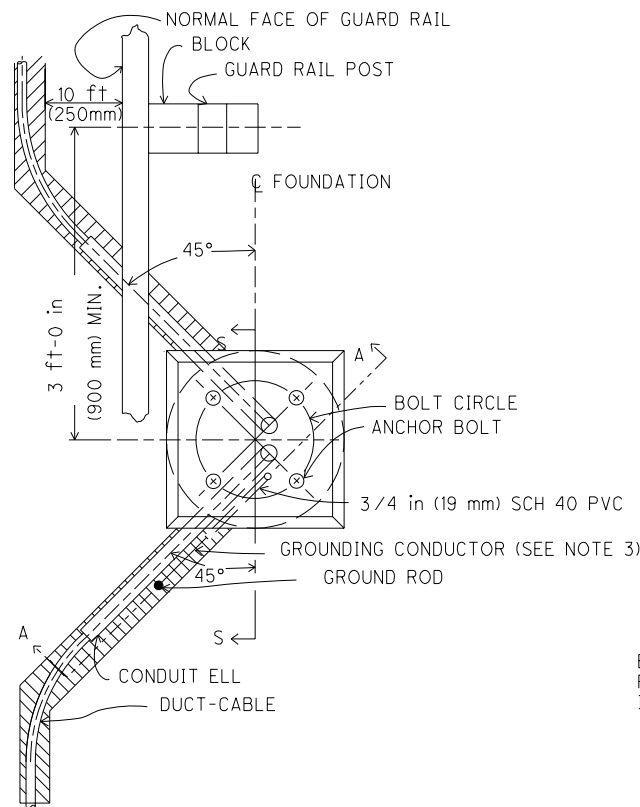
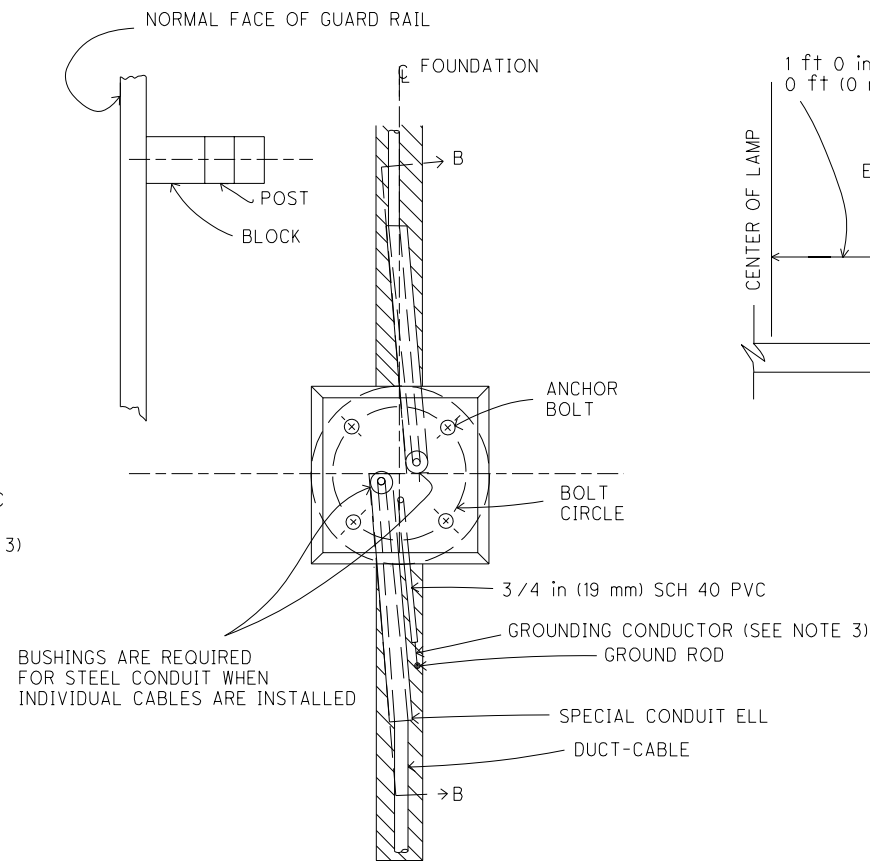


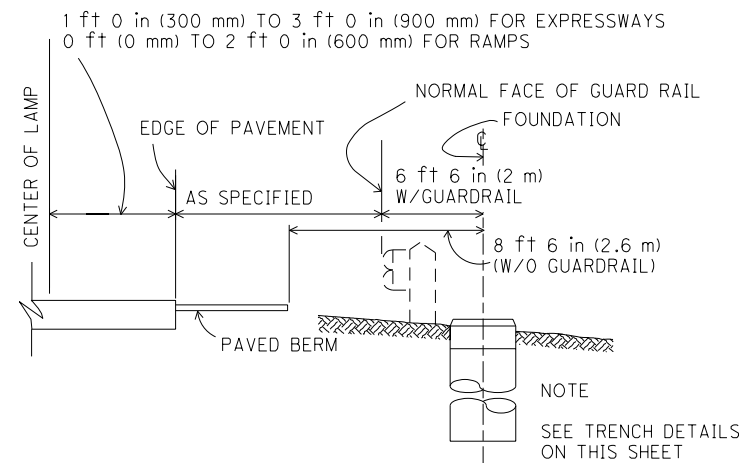
DATE: 19-Nov-09 10:50
 FILE: J:\BJob\6087 MAH-170-4.80\Plan_Sheet\ODOT STD_DWG_HL2011.dgn
 SCALE: 1" = 10'



ALTERNATE TRENCH ALIGNMENT
 (USE AS DIRECTED BY THE ENGINEER)



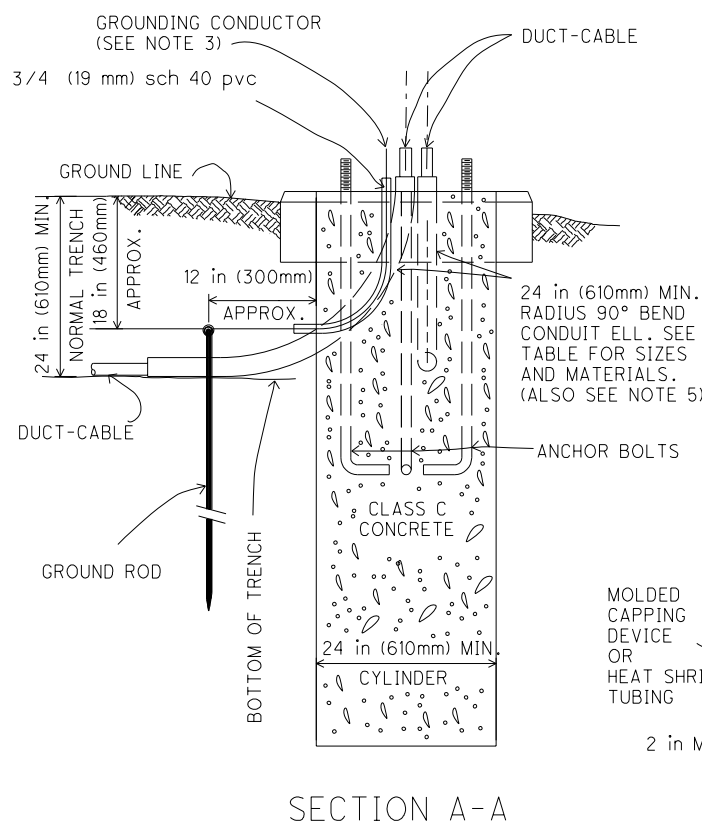
NORMAL TRENCH ALIGNMENT



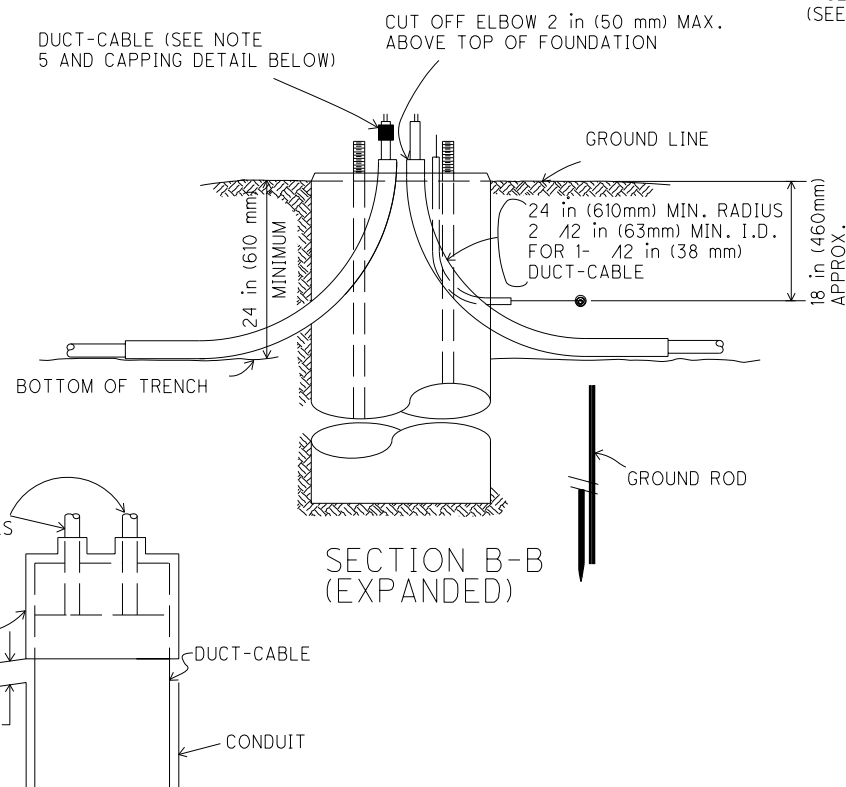
NORMAL LOCATION OF LIGHT POLE FOUNDATION

NOTES

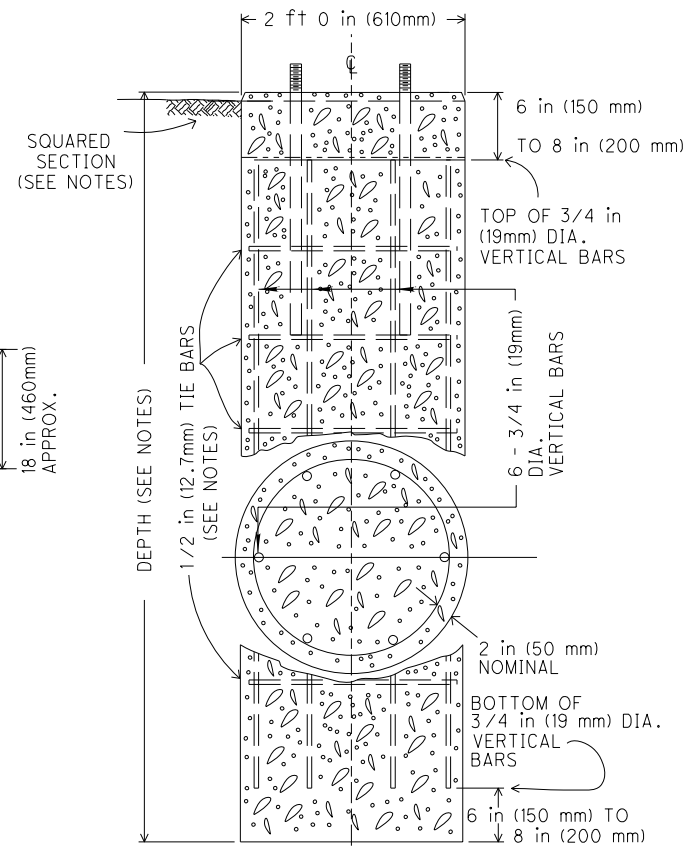
- Upslope side of foundation for pole with breakaway feature shall be flush with grade if pole is exposed to traffic.
- Minimum depth to be as follows:
 6 ft (1.8 m) for poles having a support height less than 40 ft (12.2 m).
 8 ft (2.4 m) for poles having a support height 40 ft (12.2 m) thru 44 ft (13.5 m).
 9 ft (2.7 m) for poles having a support height 45 ft (13.6 m) thru 49 ft (15 m).
 10 ft (3 m) for poles having a support height of 50 ft (15.1 m) thru 55 ft (16.8 m).
 1/2 in (12.7 mm) dia. tie bars required as follows:
 4 No. 4 (12.7 mm) dia. tie bars for 6 ft (1.8 m) depth
 5 no. 4 (12.7 mm) tie bars for 8 ft (2.4 m) and depth
 6 No. 4 (12.7 mm) tie bars for 10 ft (3 m) depth rotate bars to clear conduits.
- Grounding conductor shall be 4 AWG, insulated copper. Exothermically weld cable to ground rod, run free end through 3/4 in (19 mm) sch 40 PVC and connect as shown on Standard Construction Drawing HL-60.11. Use two coats of insulating varnish over exothermic weld and exposed conductor.
- For anchor bolt data see Standard Construction Drawing HL-10.13, Pole Base Details.
- Where 2 in (51 mm) or 3 in (76 mm) diameter conduit terminates in a foundation, the conduit elbows in the foundation shall be the same as the conduit. The ends of the conduit elbows containing distribution cable shall be closed as described in 625.12. When the terminating conduit is steel, the conduit elbows in the pole foundation shall also be steel. At the last light pole on a circuit, the vacant conduit elbow in the light pole foundation shall be stubbed out and capped.
- Reinforcing steel may be assembled in cages by approved welding of bars. Subject to approval of the Engineer cages may be assembled in a spiral conformation.
- Squared section in top 6 in of foundation required only when foundation is in tree lawn or contiguous toor in paved surround.



SECTION A-A



CAPPING DETAIL



SECTION S-S
 REINFORCING STEEL

SPECIAL CONDUIT ELLS 90° BEND IN INCHES (MM)			
R=BENDING RADIUS S=STRAIGHT SECTION Y=R+S	R S Y		
	24 (610)	11 (279)	35 (889)
30 (762)	11 (279)	41 (1041)	
36 (914)	11 (279)	47 (1194)	
42 (1067)	12 (305)	54 (1372)	
48 (1219)	12 (305)	60 (1524)	

OFFICE OF TRAFFIC
 ENGINEERING

HL-20.11

1/1

FOUNDATION AND
 TRENCH DETAILS

01-19-07

MAH-170-4.80

ODOT STANDARD CONSTRUCTION DRAWINGS

CALCULATED
 MJT
 CHECKED
 DTB

11
 14