

TOP VIEW

OPTION: TOP 12" MIN. OF THE FOUNDATION MAY BE FORMED SQUARE

BOLT CIRCLE

GROUNDING ELECTRODE

6"

BOLT PROJECTION AS REQUIRED BY SIGNAL POLE MANUFACTURER, HOWEVER DISTANCE BETWEEN BOTTOM OF BASE PLATE AND TOP OF PEDESTAL SHALL BE NO GREATER THAN THE DIAMETER OF ANCHOR BOLT PLUS ONE INCH.

SQUARE OR HEX NUTS UNDER BASE CASTING SERVE AS A MEANS OF LEVELING OR RAKING POLE

ALL CONDUITS AS SPECIFIED ON PLANS. IN ADDITION ONE 1" CONDUIT REQUIRED FOR GROUNDING CONDUCTOR. 2 - 2" PVC CONDUITS REQUIRED FOR FUTURE USE. NOTE THAT ADDITIONAL SPARE CONDUITS MAY BE REQUIRED BY PLANS

FOUNDATION TO EXTEND 4" ABOVE GROUND WHEN IN EARTH AND SHALL BE FLUSH WITH SURFACE WHEN IN SIDEWALK.

WELDED WIRE FABRIC AS REQUIRED BY FOUNDATION DESIGNER

HYDRAULIC CEMENT CONCRETE

CONDUITS TO EXTEND 8" ABOVE FOUNDATION

GROUNDING CONDUCTOR

GROUNDING ELECTRODE (SUPPLEMENTARY)

18"

ANCHOR RODS/BOLTS

NOTES:

ANCHOR BOLTS AND BOLT PATTERN SHALL BE FURNISHED WITH POLE. POLE SHALL BE CENTERED ON FOUNDATION.

EACH FOUNDATION SHALL BE PERMANENTLY MARKED TO INDICATE ALL SIDES FROM WHICH CONDUITS PASS. THIS MARK SHALL BE MADE WITH A TROWEL WHEN FINISHING THE CONCRETE AND SHALL BE 1/4" DEEP AND 4" TO 6" LONG. LOCATIONS OF EMPTY CONDUITS SHALL HAVE AN ADDITIONAL 2" LONG MARK MADE PERPENDICULAR TO AND CENTERED ON THIS MARKING.

WHEN FOUNDATION EXTENDS 4" ABOVE FINISHED GRADE ALL EDGES SHALL BE CHAMFERED 3/4" AND FOR SIDEWALKS SHALL BE FLUSH.

GROUNDING BUSHINGS SHALL BE INSTALLED ON EACH END OF METAL CONDUITS.

EMPTY CONDUITS SHALL BE PLUGGED TO PREVENT MOISTURE AND RODENT ENTRY.

BELL ENDS SHALL BE INSTALLED ON EACH END OF PVC CONDUITS.

OPEN ENDS OF CONDUITS WITH CONDUCTORS INSTALLED SHALL BE SEALED WITH AN APPROVED SOFT, PLIABLE, AND EASILY REMOVABLE WATERPROOF SEALANT. THE SEALANT SHALL NOT HAVE A DELETERIOUS EFFECT ON CABLE COVERINGS.

NO MORTAR, GROUT, OR CONCRETE SHALL BE PLACED BETWEEN BOTTOM OF BASE PLATE AND TOP OF FOUNDATION.

HEIGHT, WIDTH, AND DEPTH OF FOUNDATION SHALL BE AS REQUIRED BY FOUNDATION DESIGNER

SIDE VIEW  
CIRCULAR FOUNDATION



ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1

REVISION DATE

1310.10

SIGNAL POLE FOUNDATION  
INSTALLATION DETAILS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION  
REFERENCE

700