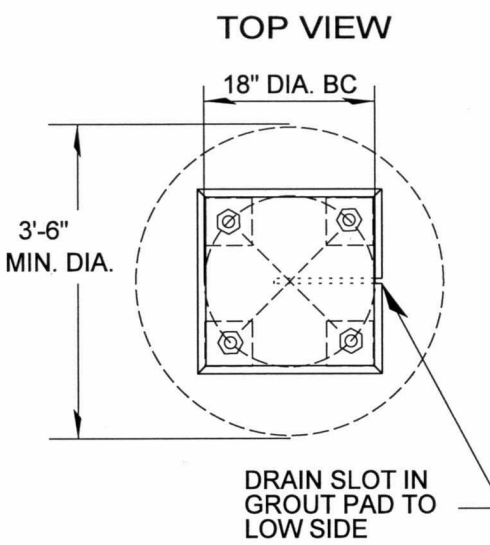
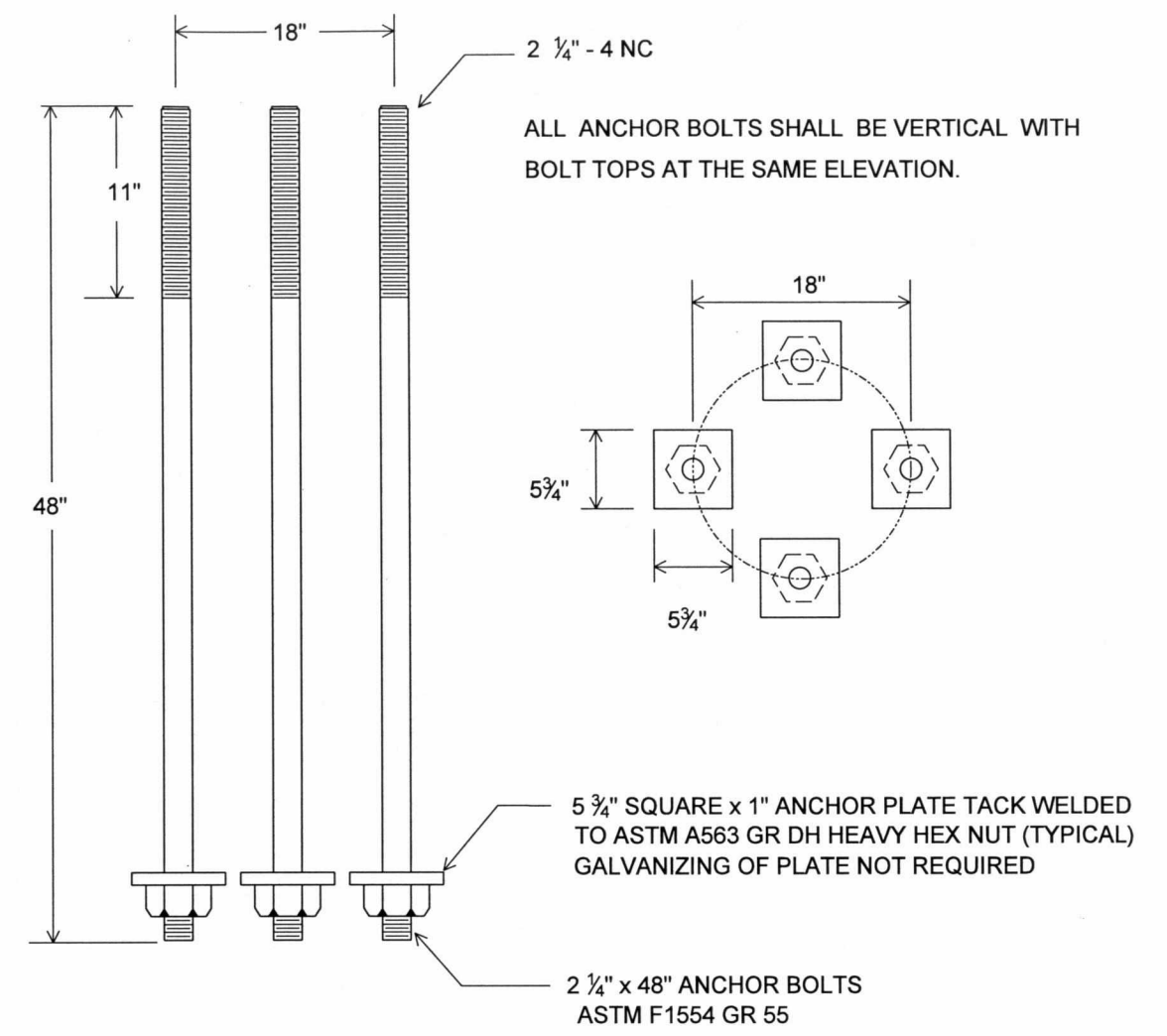


STEEL SIGNAL POLE FOOTING DETAILS - TYPE 1



NOTES :

- STANDARD FOUNDATION DESIGN IS BASED ON THE FOLLOWING SOIL PARAMETERS, WHICH ARE CHARACTERISTIC OF THE PREDOMINANTLY SILTY SOILS LOCATED THROUGHOUT THE GREATER PORTLAND AREA: SOIL INTERNAL FRICTION ANGLE = 26 DEGREES, SOIL EFFECTIVE UNIT WEIGHT = 110 PCF.
- PROJECT BIDS FOR FOUNDATIONS SHALL BE BASED ON STANDARD DESIGN DEPTH AS SHOWN ON THIS DRAWING. ADDITIONAL FOUNDATION DEPTH, IF REQUIRED FOR CONDITIONS AS OUTLINED BELOW IN NOTES 3-6, WILL BE PAID FOR BY CONTRACT CHANGE ORDER.
- SHAFTS THAT ENCOUNTER UP TO 3 FEET OF FILL SOIL REQUIRE THE TOTAL FOUNDATION DEPTH BE INCREASED BY AN AMOUNT EQUAL TO THE THICKNESS OF THE FILL.
- SHAFTS THAT ENCOUNTER MORE THAN 3 FEET OF FILL SOIL REQUIRE A SITE OBSERVATION AND SPECIAL FOUNDATION DESIGN PROVIDED BY THE CITY. CONTRACTOR TO CONTACT THE CITY'S PROJECT ENGINEER TO COORDINATE.
- SHAFTS THAT ENCOUNTER GROUNDWATER LEVEL IN LOWER HALF OF SHAFT REQUIRE A 2-FOOT INCREASE IN TOTAL FOUNDATION DEPTH.
- SHAFTS THAT ENCOUNTER GROUNDWATER LEVEL IN UPPER HALF OF SHAFT REQUIRE A TOTAL FOUNDATION DEPTH OF 1.5 TIMES THE STANDARD DEPTH.



NOTE : HOT DIP GALVANIZED NUTS & ANCHOR ASSEMBLY.

ANCHOR BOLTS - TYPE 1

NOT TO SCALE

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.	 BUREAU OF TRANSPORTATION CITY OF PORTLAND, OREGON Chief Engineer	
	Standard Drawing Title	
Note: All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.	SIGNAL POLE FOOTING & ANCHOR BOLTS TYPE 1	
	Effective Date: 10-10-2013	Standard Drawing No. P-606
	Calc. Book No.:	
Baseline Report Date:		