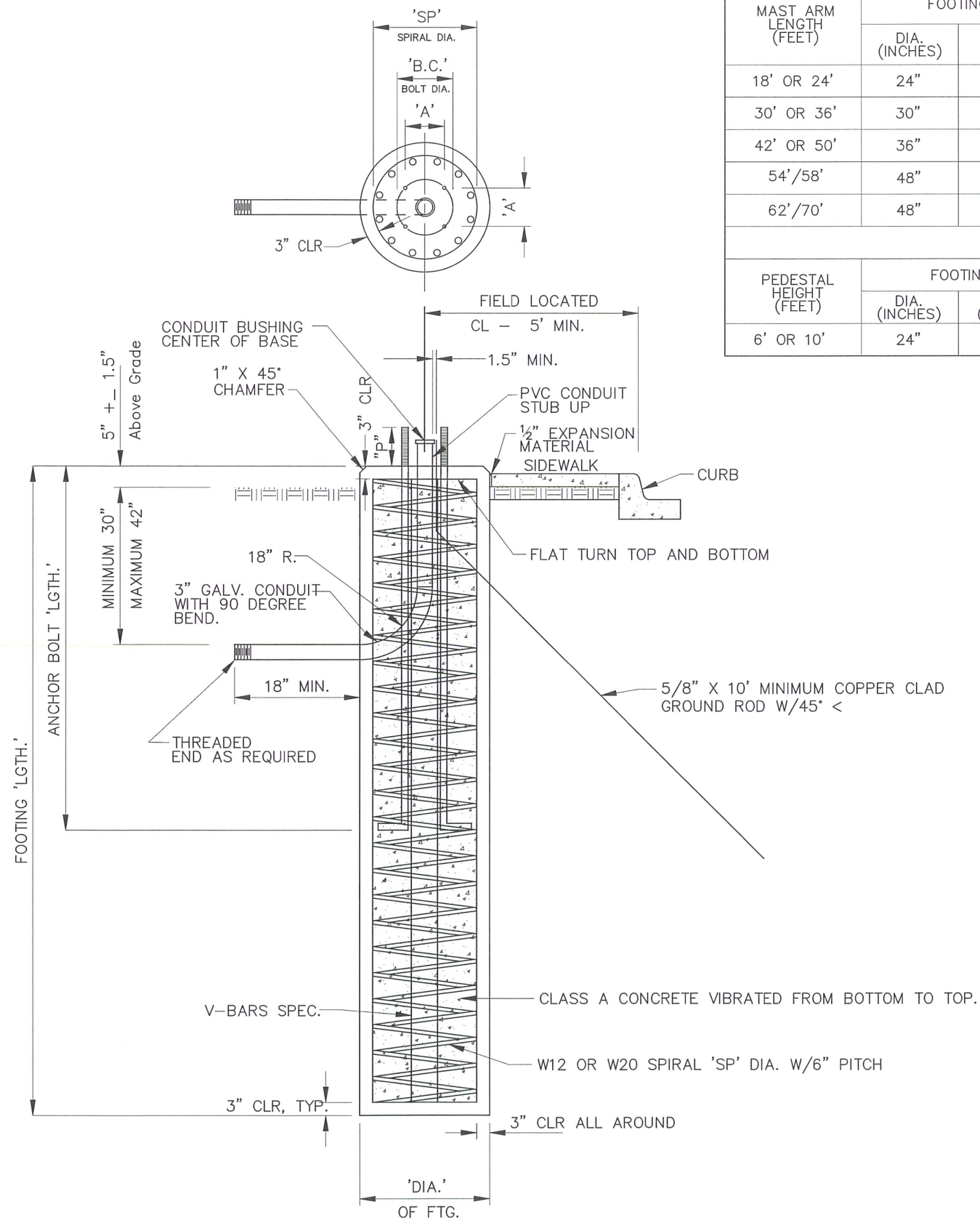


MAST ARM BASE AND PEDESTAL BASE

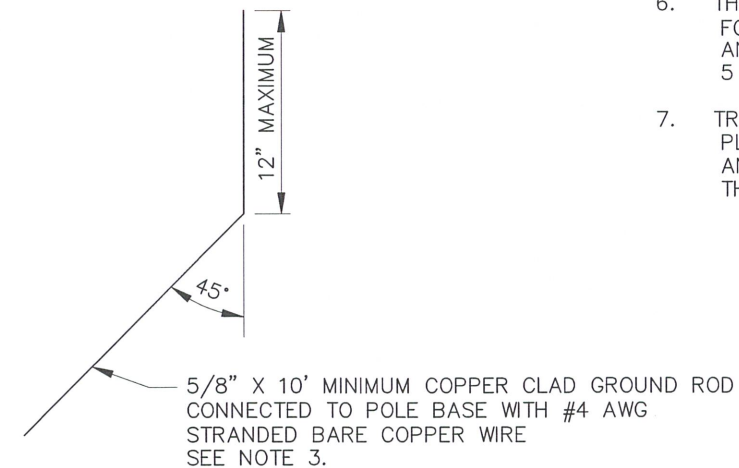
MAST ARM LENGTH (FEET)	FOOTING		RE-BAR			ANCHOR BOLTS (INCHES)			TEMPLATE (INCHES)				FOOTING DESIGN NO.
	DIA. (INCHES)	LGTH. (FEET)	"SP" (INCHES)	V-BARS	SPIRAL	DIA.	LGTH.	"P"	B.C.	SQ.#1	"A"	B. HOLE	
18' OR 24'	24"	9.0'	18"	6-#8	W-12	1.5"	54"	7.5"	16.5"	17"	11-11/16"	1.625"	S-18/24
30' OR 36'	30"	10.5'	24"	9-#8	W-12	1.5"	54"	7.5"	18.5"	19"	13-1/16"	1.625"	S-30/36
42' OR 50'	36"	12.0'	30"	10-#9	W-12	1.75"	84"	8.5"	20.5"	21"	14-1/2"	1.875"	S-42/50
54'/58'	48"	18.5'	42"	15-#10	W-20	1.75"	84"	9.5"	22.5"	23"	15-15/16"	2.00"	S-54/58
62'/70'	48"	18.5'	42"	15-#10	W-20	2.00"	90"	9.5"	26"	27"	18-3/8"	2.25"	S-62/70

PEDESTAL HEIGHT (FEET)	FOOTING		RE-BAR				REINFORCING STEEL	STRUCTURAL CONC.	ANCHOR BOLTS (INCHES)			FOOTING DESIGN NO.	
	DIA. (INCHES)	LGTH. (INCHES)	"SP" (INCHES)	V-BARS	LGTH. (INCHES)	SPIRAL			W12 SPIRAL LGTH.	DIA.	LGTH.		"P"
6' OR 10'	24"	36"	18"	6-#8	30"	W-12	40 FEET	27 LBS.	0.35 C.Y.	3/4"	12"	6.5"	F-1



NOTE:

1. POLE LOCATIONS SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO DRILLING
2. USE A MIN. 1/2" THICK STEEL H FRAME TEMPLATE WITH 6" MIN. CENTER HOLE OR APPROVED EQUAL.
3. A MINIMUM LENGTH OF 8FT OF THE GROUND ROD SHALL BE EMBEDDED INTO AND IN DIRECT CONTACT WITH SOIL. INCREASE THE OVERALL LENGTH OF THE GROUND ROD AS NEEDED.
4. A MINIMUM OF 3 FULL THREADS OF THE ANCHOR BOLTS SHALL EXTEND ABOVE THE TOP OF THE NUTS.
5. A BOTTOM TEMPLATE MAY BE USED ON THE ANCHOR BOLT ASSEMBLY TO HELP KEEP THE ANCHOR BOLTS IN PLACE.
6. THE PVC CONDUIT STUB UP SHALL BE CENTERED IN THE FOOTING WITH A MAX TOLERANCE OF PLUS OR MINUS 1/2", AND PLUMB WITH A MAX TOLERANCE OF PLUS OR MINUS 5 DEGREES OUT OF PLUMB.
7. TRAFFIC OPERATIONS PERSONNEL SHALL INSPECT FOR PROPER PLACEMENT OF GROUND ROD, CONDUIT, REINFORCING STEEL, AND PROPER ALIGNMENT OF ANCHOR BOLTS AND APPROVE THE INSTALLATION PRIOR TO POURING CONCRETE.



GROUND ROD DETAIL

PATH NAME: /E1/PARTS/STD/DGN-STD/603-signal-pole-foot-det.dgn RSB 02/11/2025

REVISION	BY	DATE

Toll
CITY ENGINEER

Kurt W. Kemp
CITY TRAFFIC ENGINEER

CITY OF TULSA, OKLAHOMA

SIGNAL POLE FOOTING
DETAILS

DATE: FEBRUARY 2025

STD. 603