

DESCRIPTION	REVISIONS	DATE

**PEDESTAL POLE FOOTING DATA**

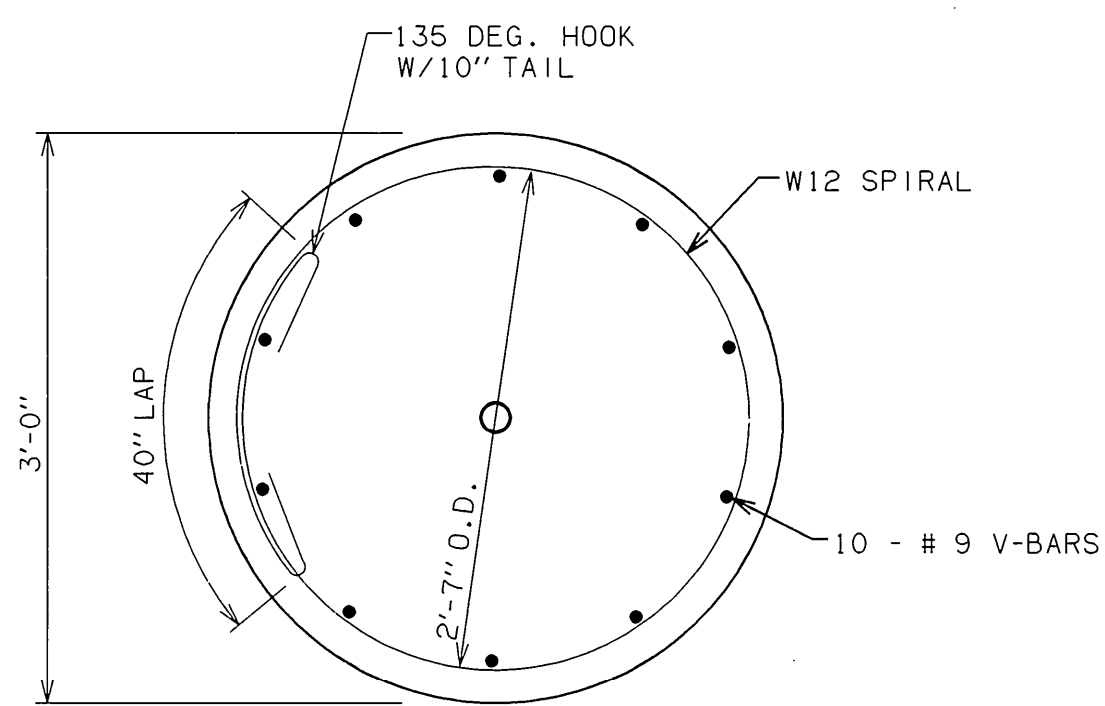
POLE HEIGHT FT.	DESIGN NO.	DIMENSIONS			QUANTITIES	
		"G"	V-BAR LENGTH	* W12 SPIRAL LENGTH	REINFORCING STEEL LBS	STRUCTURAL CONC. C.Y.
8	F-3	2'-6"	2'-0"	35	22.3	0.3
10	F-2	2'-6"	2'-0"	35	22.3	0.3
12	F-1	3'-0"	2'-6"	40	26.3	0.4

**\*\*SINGLE MAST ARM FOOTING DATA**

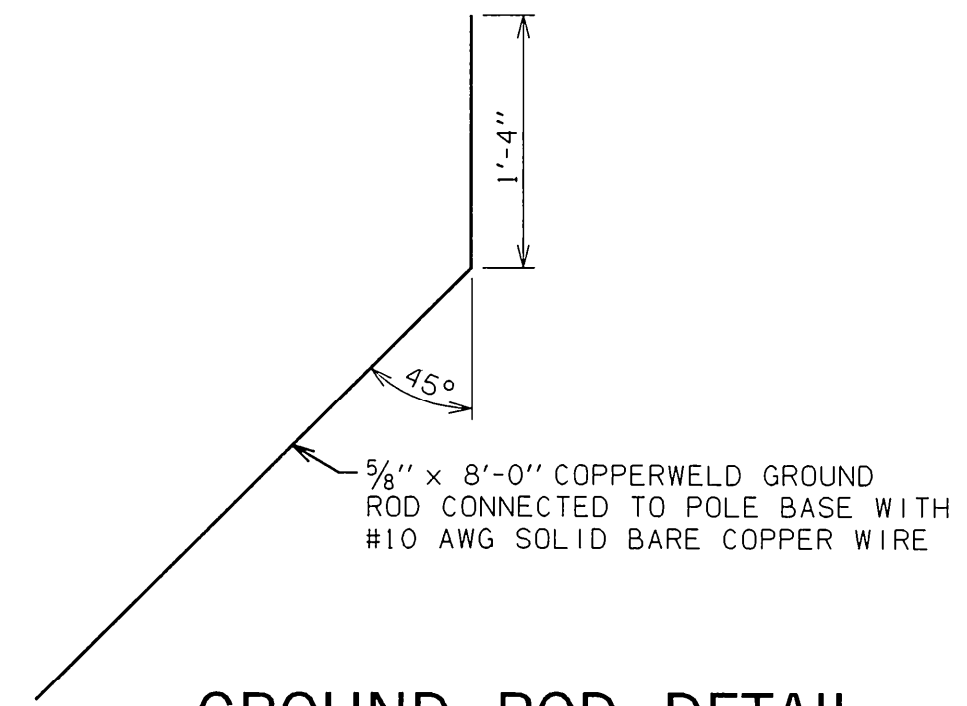
SIGNAL MAST ARM LENGTH FT.	DESIGN NO.	DIMENSIONS			QUANTITIES	
		"G"	V-BAR LENGTH	* W12 SPIRAL LENGTH	REINFORCING STEEL LBS	STRUCTURAL CONC. C.Y.
20	S-20	9'-0"	8'-6"	163	355.5	2.4
25	S-25	9'-6"	9'-0"	170	375.4	2.5
30	S-30	10'-0"	9'-6"	179	396.0	2.6
35	S-35	10'-6"	10'-0"	187	416.3	2.7
40	S-40	11'-0"	10'-6"	195	436.6	2.9
45	S-45	12'-0"	11'-6"	211	477.1	3.1
50	S-50	12'-0"	11'-6"	211	477.1	3.1
55	S-55	12'-6"	12'-0"	219	497.3	3.3

\*LENGTH INCLUDES 1/2 INCH FLAT TURN AT TOP AND BOTTOM

\*\*FOR TWIN MAST ARM FOOTING DATA, THE FOUNDATION SHALL BE ONE SIZE LARGER THAN THE LONGEST MAST ARM.



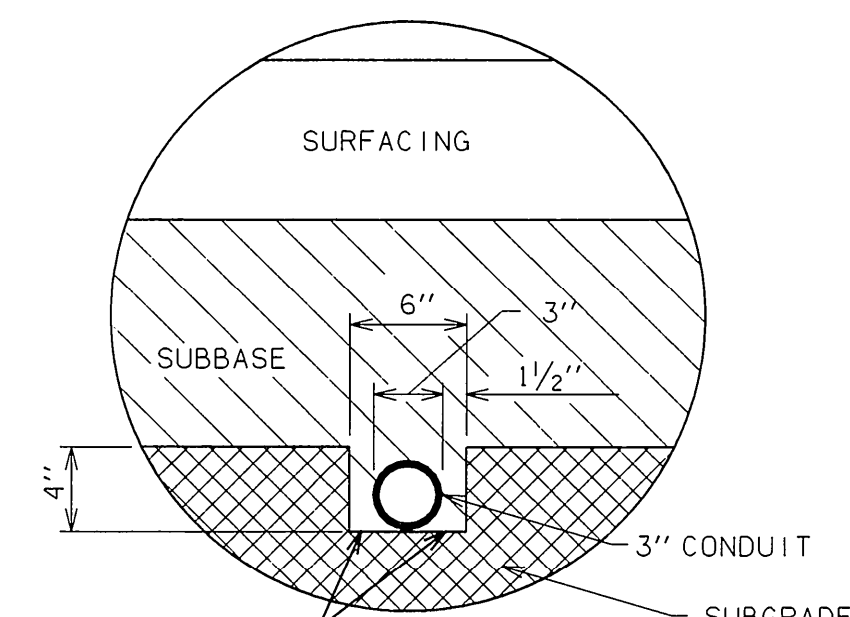
PLAN VIEW



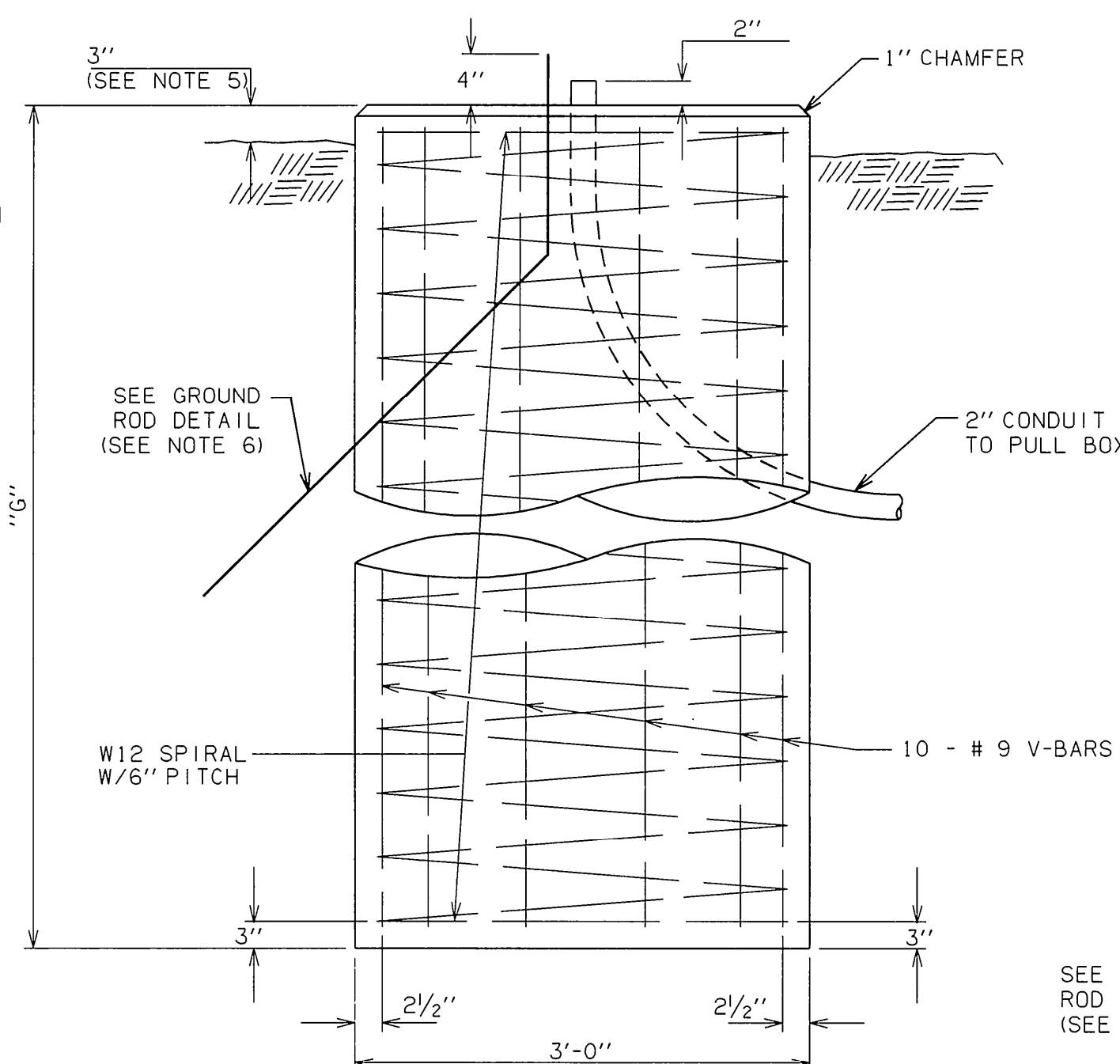
GROUND ROD DETAIL

GENERAL NOTES

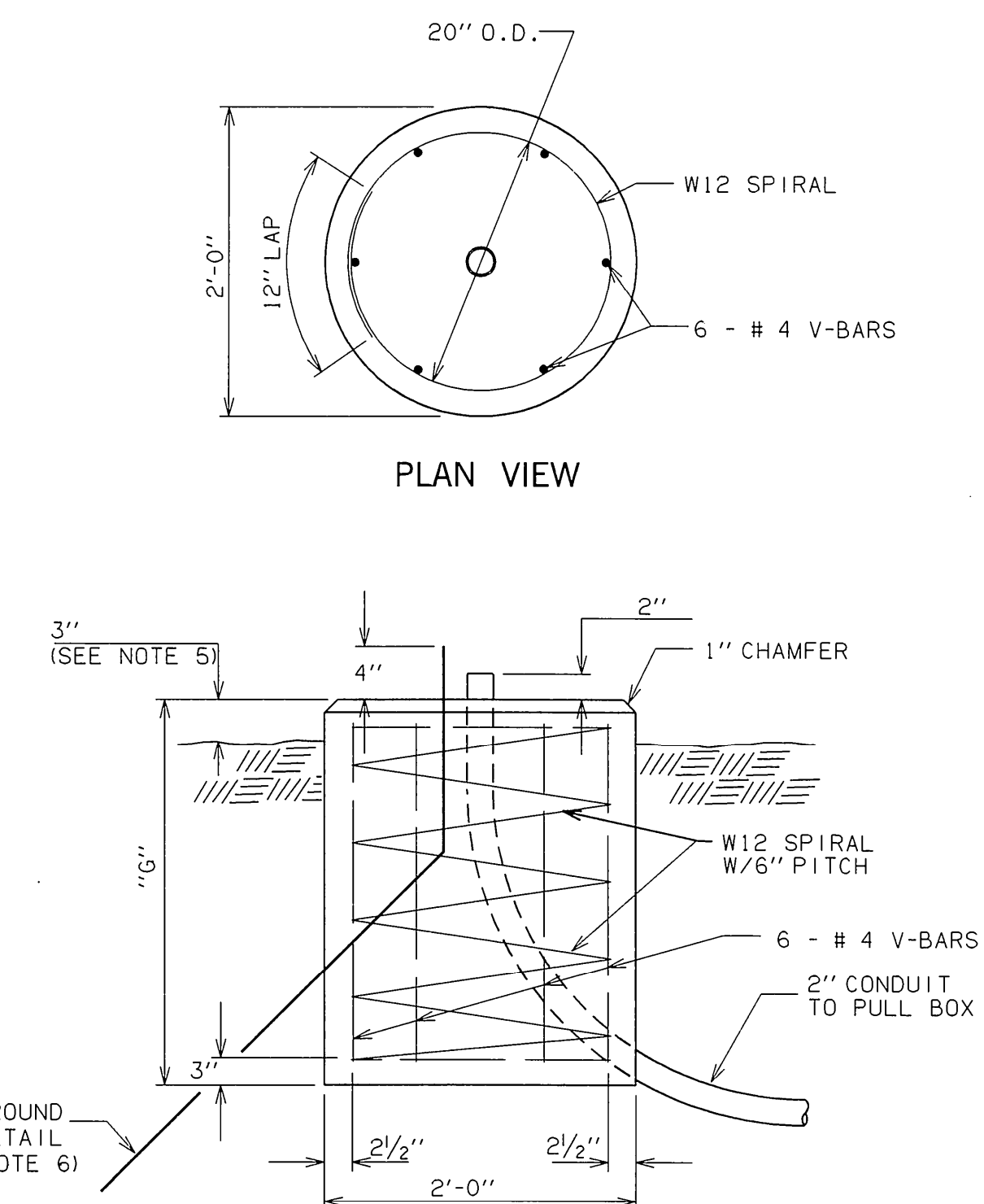
1. WHEN CONDUIT IS INSTALLED IN SUBGRADE TRENCHING IT SHALL BE NEAT, CLEAN CUT TO A 4" DEPTH AND 6" WIDE. THE CUT SHALL BE MADE WITHOUT DISTURBING ANY OF THE SURROUNDING SUBGRADE. WHERE SUBBASE MATERIAL MUST BE TRANSPORTED OVER CONDUIT WHICH IS IN PLACE, PROTECTION MUST BE PROVIDED BY BRIDGING IT WITH STEEL PLATES OR OTHER SUITABLE MATERIAL TO ELIMINATE DEFORMING OF CONDUIT OR SETTLEMENT OF BACKFILL. AFTER THE CONDUIT IS PLACED IN THE TRENCH IT SHALL BE BACKFILLED WITH MATERIAL FROM THE TRENCH. BACKFILL IN AREAS TO BE PAVED SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY AASHTO T99 METHOD C. ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE WORKING AREA TO A SITE DESIGNATED BY THE ENGINEER.
2. 3" CONDUIT SHALL BE BURIED IN FINISHED SUBGRADE AFTER ALL NECESSARY CONSTRUCTION WORK HAS BEEN COMPLETED. IT SHALL BE INSTALLED JUST PRIOR TO LAYING DOWN THE BASE COURSE.
3. IF GRADE FROM CURB TO RIGHT-OF-WAY SLOPES TOWARD STREET, SURFACE OF PULL BOX SHALL BE 1" ABOVE GRADE. IF IN SIDEWALK AREA OR PAVED AREA IT SHALL BE INSTALLED FLUSH WITH THE SURFACE.
4. WHEN CONTROLLER PEDESTAL POLE IS REQUIRED, F-3 FOOTING SHALL BE USED.
5. WHEN POLE FOUNDATIONS ARE PLACED IN SOIL AREAS, THE FOUNDATION SHALL EXTEND A MAXIMUM HEIGHT OF 3" ABOVE THE GROUND LINE. WHEN FOUNDATIONS ARE PLACED IN SIDEWALKS OR OTHER LIKE SURFACE AREAS, IT SHALL BE CONSTRUCTED FLUSH WITH SURFACE.
6. EACH POLE SHALL BE GROUNDED TO A GROUND ROD AS SHOWN.



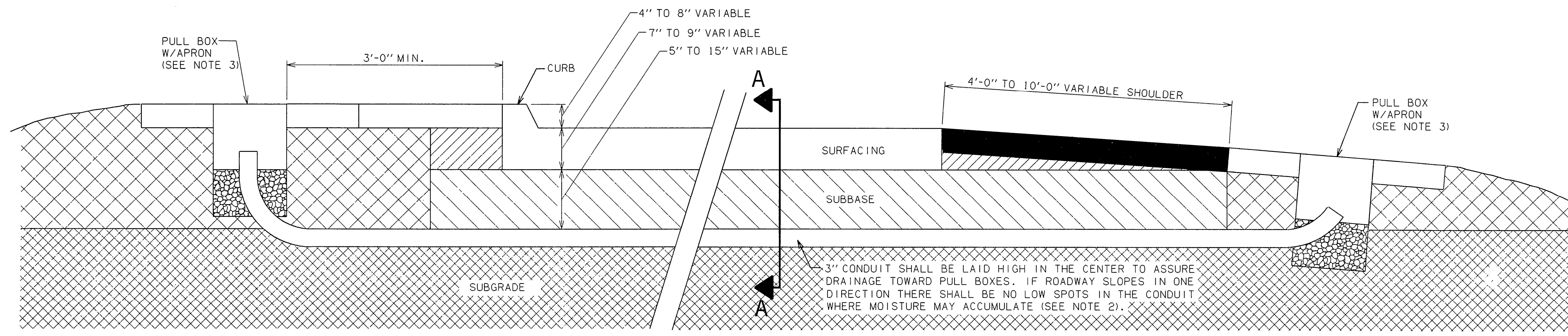
SECTION "A-A"



ELEVATION VIEW  
SIGNAL FOOTING DETAIL



ELEVATION VIEW  
PEDESTAL FOOTING DETAIL



CONDUIT PLACEMENT ON NEW ROADWAY CONSTRUCTION

APPROVED BY TRAFFIC ENGINEER *David Smith* DATE 10-1-99

OKLAHOMA DEPT. OF TRANSPORTATION  
TRAFFIC STANDARD (ENGLISH)

TYPICAL CONDUIT AND SIGNAL POLE FOOTING DETAILS

1999 SPECIFICATIONS	CFD1-1	00E
		T-427E

11/20/98 AM 10/7/99  
 11/20/98 AM 10/7/99  
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