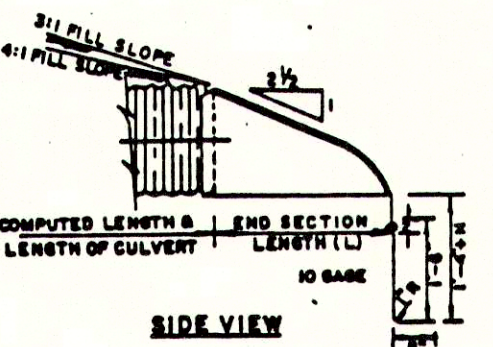


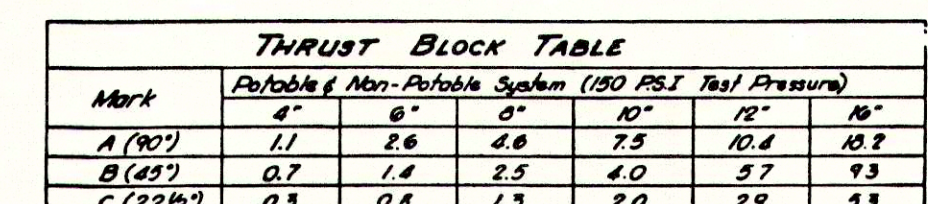
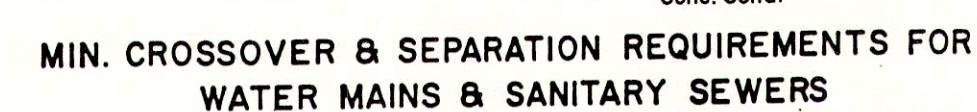
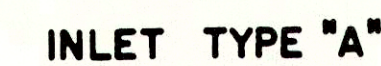
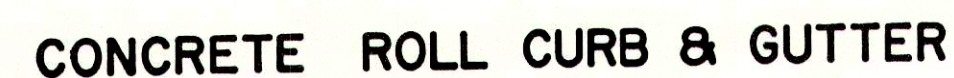
PIPE DIA.	S.A. 1/2"	DIMENSIONS					SLOPE (APP)	FOOT
		1	2	3	4	5		
12	16	6	6	6	21	24	2 1/2	1 PC
18	18	7	8	9	28	30	2 1/2	1 PC
18	18	8	10	6	31	36	2 1/2	1 PC
21	18	9	12	6	36	42	2 1/2	1 PC
24	18	10	13	6	41	48	2 1/2	1 PC
30	14	12	16	8	60	72	2 1/2	1 PC
36	14	14	18	8	81	96	2 1/2	1 PC

[illegible]

HOOK BOLT MATERIAL SHALL MEET THE CURRENT A.S.T.M. A-307. THREADS SHALL BE AMERICAN STANDARD AND COARSE THREAD SERIES, CLASS II FREE FIT. BOLTS SHALL BE BAKED TO PREVENT CORROSION. SPECIFICATION A-157. THE THREADED PORTION SHALL NOT PREVENT TURNING THE NUT BY HAND.

NUT AND WASHERS SHALL BE CARBON STEEL HOT DIP GALVANIZED TO MEET A.S.T.M. SPECIFICATION A-153. NUT THREADS SHALL BE AMERICAN STANDARD COARSE THREAD SERIES (1/4" MAXIMUM OVERSIZE), CLEANED AFTER GALVANIZING TO PROVIDE A FREE RUNNING FIT ON THE CLASS II BOLT. NUTS SHALL BE 1/4" ACROSS FLAT. 5/16" THICK. CURVE GROWN TO AN APPROXIMATE 1/4" RADIUS.

METAL END SECTION



1. Above table indicates cu.ft of concrete required with a soil pressure of 2000 P.S.F. Minimum.
2. Place paper or plastic between fitting & concrete.

Designed by: DBH	
Drawn by:	
Checked by: RF	
Approved by: RF	Date 7/6/89

Title:

DETAIL SHEET

111 0000 10 00 10