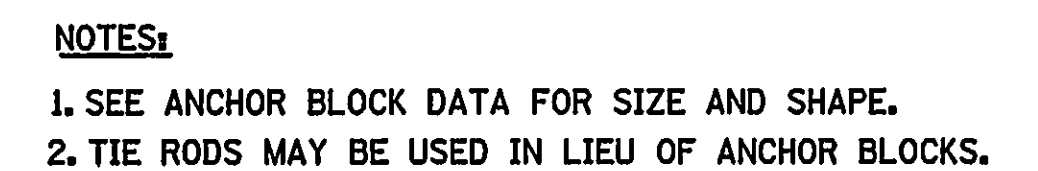
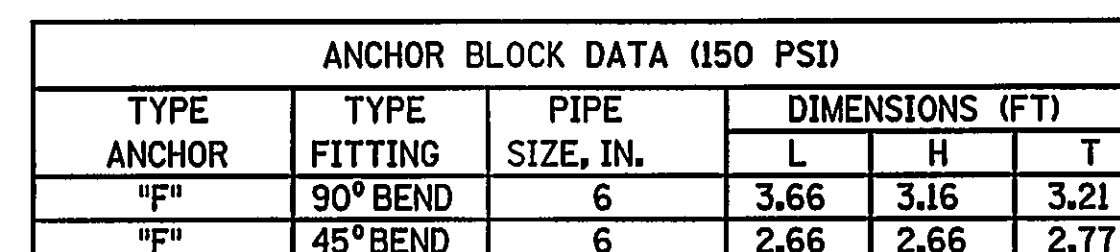
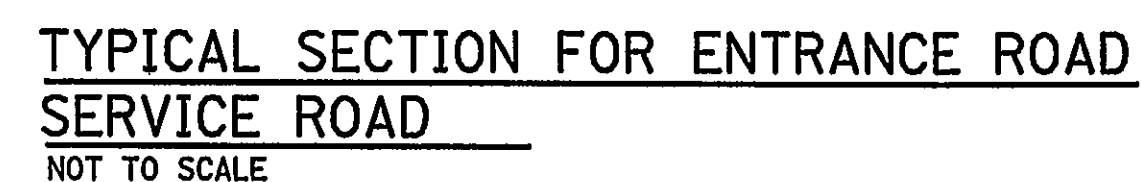
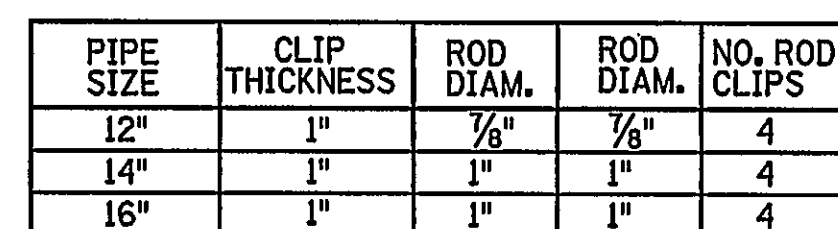




TIE ROD SCHEDULE (150 PSI)				
PIPE SIZE, INCHES	NO. BOLTS PER JOINTS	NO. RODS	ROD SIZE, INCHES	LENGTH L, FT.(MIN)
6	6	2	3/4	60
8	6	2	3/4	74
10	8	2	3/4	80
12	8	4	3/4	108
14	10	4	3/4	126
16	12	6	3/4	144



DESIGNED MKJ	DRAWN JLW	PROJECT CRYSTAL SPRING WATER TREATMENT PLANT FOR THE CITY OF ROANOKE, VIRGINIA		
CHECKED	REVIEWED			
COMM. NO. 200171.01				
CADD NO. 200171C09.DGN		TITLE DETAILS		
DATE AUG 26, 2001	DWG. NO. C-9	SHEET NO. 11 OF 72	REV. 0	