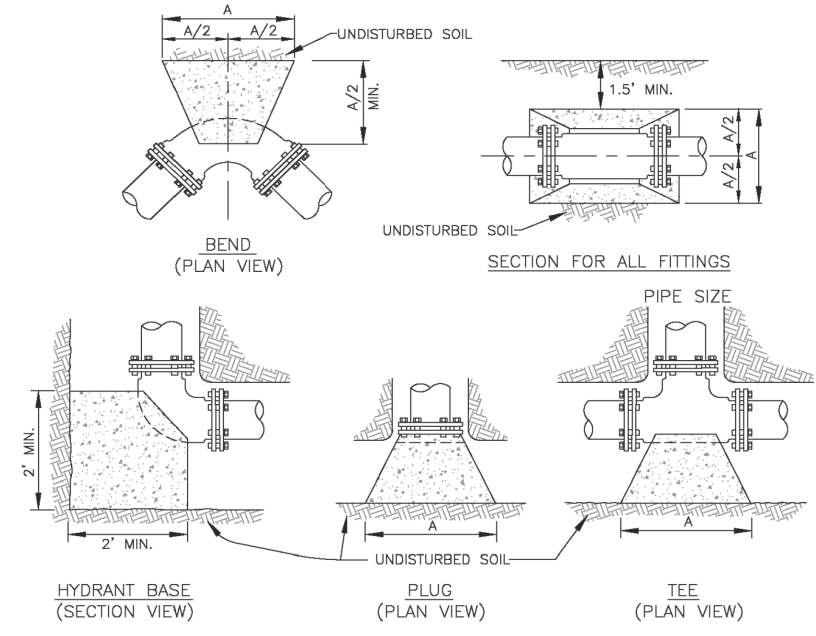


MISCELLANEOUS DETAILS

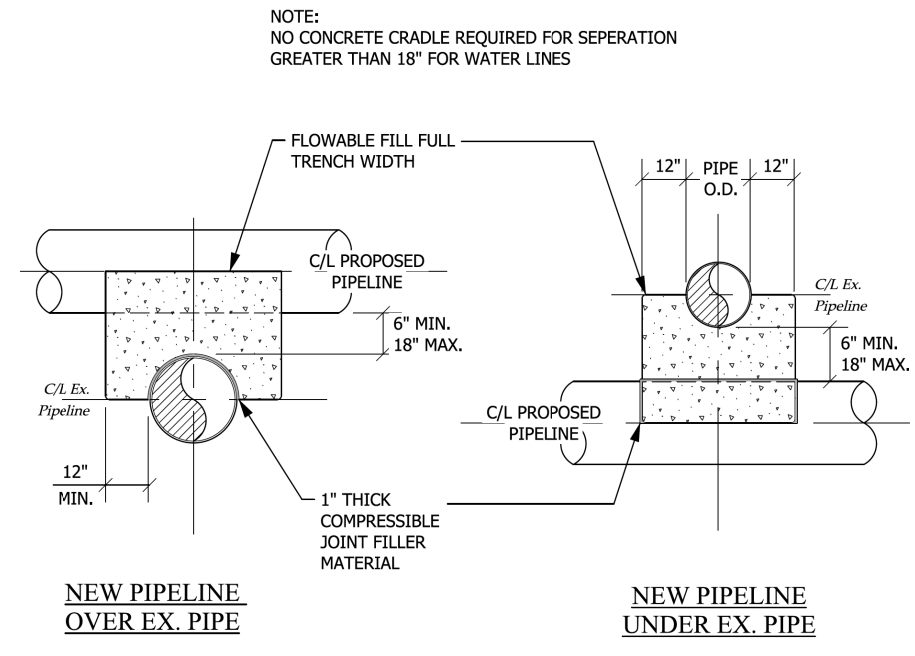


FITTING	MINIMUM "A" DIMENSION (FEET)											
	PIPE SIZE (INCHES)											
90° BEND	1.0	2.0	2.5	3.5	5.0	6.5	8.0	10.0	12.0	14.5		
45° BEND	1.0	1.5	2.0	2.5	4.0	5.0	6.0	7.0	9.0	10.5		
22 1/2° BEND	0.5	1.0	1.5	2.0	3.0	3.5	4.5	5.0	6.5	7.5		
15 1/4° BEND	0.5	1.0	1.0	1.5	2.0	2.5	3.0	4.0	4.5	5.5		
PLUG/TEE	1.0	1.5	2.5	3.0	4.5	5.5	7.0	8.0	10.0	12.0		

NOTE: ABOVE DIMENSIONS BASED ON THE FOLLOWING: 250 PSI WATER PRESSURE AND 2000 LB/SQ. FT. SOIL BEARING CAPACITY (SOFT CLAY)

CITY OF WINSTON-SALEM
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 CONCRETE THRUST BLOCKS FOR HORIZONTAL BENDS
NOT TO SCALE



2 CONCRETE CRADLE PROTECTION FOR WATER LINE CROSSINGS
NOT TO SCALE

PREPARED IN THE OFFICE OF:	PROJECT REFERENCE NO.	SHEET NO.
	U-2729	UC-3C
	DESIGNED BY: JPM	
	DRAWN BY: BTH	
	CHECKED BY: JPM	
	APPROVED BY: JCG	
	REVISED:	
VERTICAL SCALE 5' 0 5' 10'		HORIZONTAL SCALE 25' 0 25' 50'
WATER LINE AND SEWER LINE CONSTRUCTION SHOWN ON THIS SHEET		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		SEAL 18097 NORTH CAROLINA PROFESSIONAL ENGINEER J. W. [Signature] 08537

UTILITY CONSTRUCTION

5/14/99