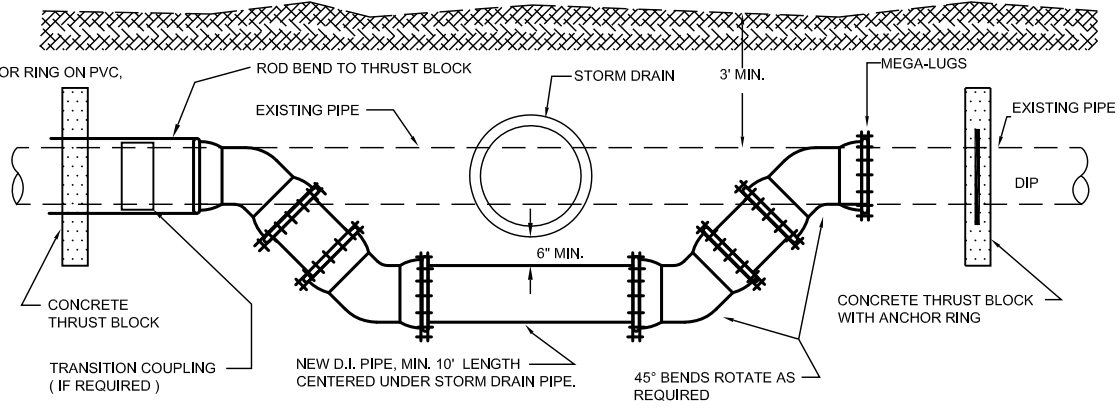
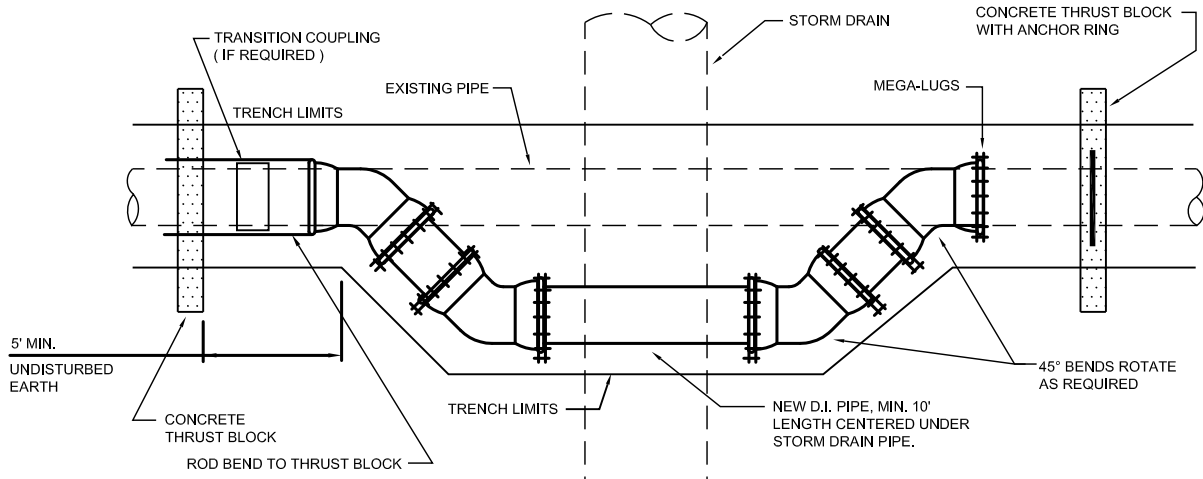


NOTE:
DO NOT USE ANCHOR RING ON PVC,
CIP, OR AC PIPE.



PROFILE VIEW
NTS



PLAN VIEW
NTS

NOTE:

1. FITTINGS SHALL BE RESTRAINED USING MEGALUGS, STAINLESS STEEL TIE RODS, OR RESTRAINED JOINT PIPE, AS APPROVED BY ENGINEER.
2. BEARING AREAS (AxB) DETERMINED BY ACTUAL SOIL CONDITIONS. SHOULD BE BASED ON 200 PSI TEST PRESSURE. SEE CHART BELOW.

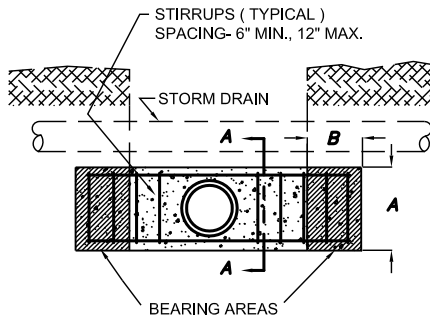
RESULTANT THRUST AT FITTINGS AT 200 PSI WATER PRESSURE.

NOM. PIPE DIAMETER	TOTAL POUNDS.	
	45° BEND	
4 INCH	2770	
6 INCH	5724	
8 INCH	9846	
10 INCH	14812	
12 INCH	20948	

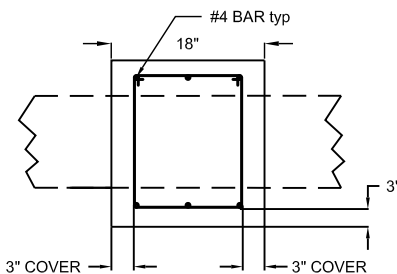
THE FOLLOWING OFTEN-USED SOIL VALUES FOR THE DEPTHS OF 4 FEET ARE LISTED ONLY AS A GUIDE*. THE ENGINEER SHOULD SELECT THESE BEARING VALUES FOR EACH SOIL TYPE AND DEPTH OF COVER ENCOUNTERED ON THE SPECIFIC PIPELINE PROJECT. APPROPRIATE SAFETY FACTORS SHOULD BE APPLIED TO COVER FUTURE CHANGES IN PIPE DEPTH, SOIL BEARING CAPACITIES, ETC.

SOIL	BEARING LOAD (lbs/sq.ft.)
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000
HARD CLAY	9,000

* NO RESPONSIBILITY CAN BE ASSUMED FOR THE ACCURACY OF THE DATA IN THIS TABLE DUE TO THE WIDE VARIATION OF BEARING LOAD CAPABILITIES FOR EACH SOIL TYPE.



THRUST BLOCK DETAIL
NTS



SECTION A-A

**CHARLOTTE-MECKLENBURG
UTILITY DEPARTMENT
ENGINEERING DIVISION
CHARLOTTE, NORTH CAROLINA**

Job No. _____ File No. _____		STANDARD DETAIL WATER	
PLAN _____ NTS _____	PROFILE _____ NTS _____		
Hor. _____	Vert. _____	LOWERING OF 6" TO 12" WATER MAIN	
As Built _____	Date _____		
Surveyed By _____	Designed By _____	BDM _____	Sheet _____ Of _____
Drawn By _____	Project-Engr _____	Approved By _____	Date 29 _____

No.	Date	By	Revision