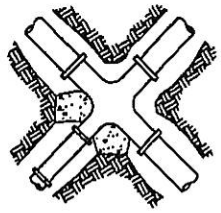
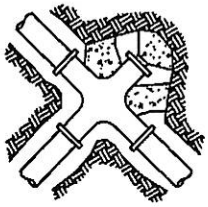
THRUST BLOCKING DETAILS

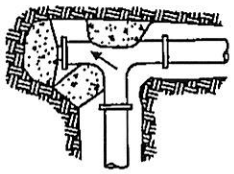


UNBALANCED CROSS

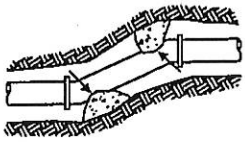
PLUGGED CROSS



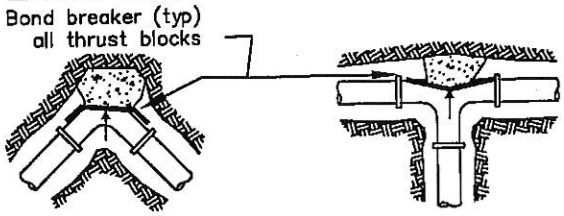
PLUGGED CROSS



PLUGGED TEE

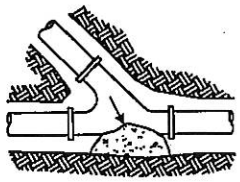


OFFSET

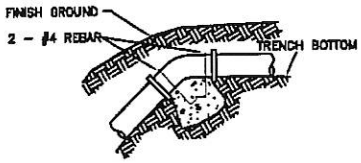


HORIZONTAL BEND

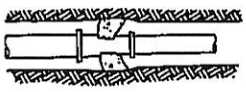
TEE



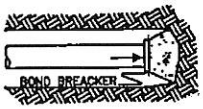
"Y" BRANCH



VERTICAL BEND



REDUCER



DEAD END

NOTES:
1. BEARING AREA IN SQUARE FEET (SF) SHALL BE VERTICAL, NOT SLANTED.
2. ALL THRUST BLOCKS SHALL HAVE EQUAL HEIGHT AND WIDTH DIMENSIONS.
3. FITTINGS TO BE GREASED AND WRAPPED WITH BOND BREAKER SUCH AS VISQUEEN OR POLY WRAP.
4. "MEGA-LUG" JOINTS SHALL BE USED IN ADDITION TO, NOT INSTEAD OF THRUST BLOCKS.
5. ARROWS INDICATE DIRECTION OF THRUST.

FITTING SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22 1/2° ELBOW
4"	1.6 SF	2.2 SF	1.1 SF	0.6 SF
6"	3.2 SF	4.7 SF	2.4 SF	1.1 SF
8"	5.6 SF	7.8 SF	4.3 SF	2.0 SF
10"	8.5 SF	12.0 SF	6.5 SF	3.1 SF
12"	12.0 SF	16.9 SF	9.2 SF	4.4 SF
14"	16.1 SF	22.7 SF	12.3 SF	6.1 SF
16"	20.7 SF	26.4 SF	15.9 SF	7.8 SF
18"	26.1 SF	36.9 SF	20.0 SF	10.1 SF

NOTE: TABLE BASED ON 125 psi MAINLINE PRESSURE W/50 psi SURGE ALLOWABLE AND SOIL BEARING PRESSURE (F'c) = 2000 psf.

THRUST BLOCK DIMENSIONS