

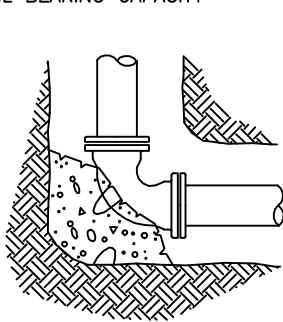
(HORIZONTAL)  
BEARING AREA OF THRUST BLOCKS IN SQ FT

FITTING SIZE	TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.3	1.8	1.0	1.0	1.0
6	2.8	4.0	2.2	1.1	1.0
8	5.0	7.1	3.8	2.0	1.0
12	11.3	16.0	8.7	4.4	2.2
16	20.1	28.4	15.4	7.8	3.9
20	31.1	44.4	24.0	12.3	6.2
24	45.2	64.0	34.6	17.7	8.9

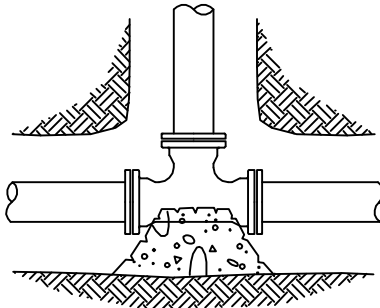
VOLUME OF THRUST BLOCK  
IN CU YDS (VERTICAL)

FITTING SIZE	BEND ANGLE		
	45°	22.5°	11.25°
4	1.1	0.4	0.2
6	2.7	1.0	0.4
8	4.0	1.5	0.6
12	8.5	3.2	1.3
16	14.8	5.6	2.3

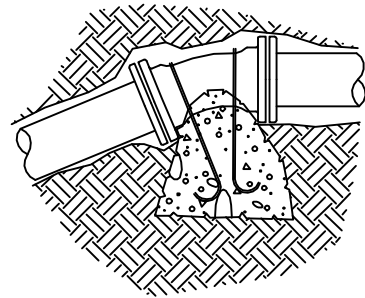
VALUES BASED ON 200 PSI  
WATER PRESSURE AND 2000 PSF  
SOIL BEARING CAPACITY



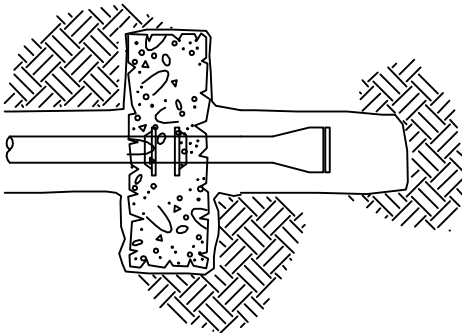
BEND



TEE



VERTICAL BEND



STRADDLE BLOCK

SEE DETAIL W-30

FITTING SIZE	ROD SIZE	EMBEDMENT
4"-12"	#6	30"
14"-16"	#8	36"

NOTES:

- 1) THRUST BLOCKING AT ALL TEES, BENDS AND ENDS OF PIPING
- 2) CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH
- 3) ALL CONCRETE TO BE CLASS 3000
- 4) INSTALL 12 MIL TOTAL THICKNESS POLYTHENE SHEET AROUND FITTING. SECURE SHEET ENDS TO PREVENT INFILTRATION OF DIRT BETWEEN SHEET AND PIPE FITTING PRIOR TO POURING THRUST BLOCKING
- 5) PROTECT MECHANICAL JOINT FOLLOWERS AND BOLTS FROM CONCRETE WITH TEMPORARY FORMS AND POLYTHENE SHEETING SEE NOTE 3



STANDARD DRAWING TITLE

THRUST BLOCKING DETAILS

Any alteration of this drawing may not be associated in any way with the City of Sherwood Standard Drawings.

SCALE

N.T.S.

DRAWING NUMBER

W-12

DATE

JUL' 09