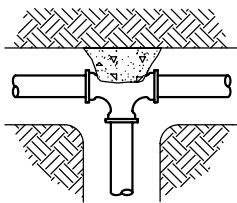
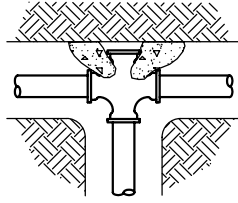


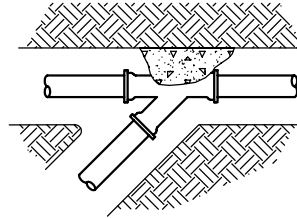
# COUNTY OF HENRICO DEPARTMENT OF PUBLIC UTILITIES



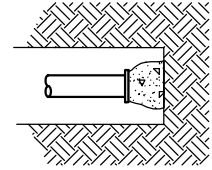
TEE



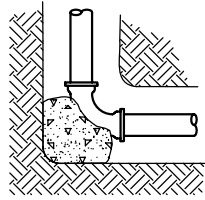
PLUGGED  
CROSS



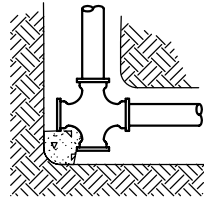
WYE



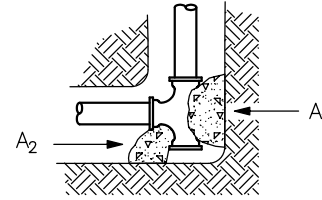
PLUG OR CAP



BEND



PLUGGED  
CROSS



TEE

**NOTES:**

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
3. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.

**BEARING AREA OF THRUST BLOCKS IN SQ. FT.**

FITTING SIZE	TEE, WYE PLUG OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN		45° BEND	22 1/2° BEND	11 1/4° BEND
			A <sub>1</sub>	A <sub>2</sub>			
6	2.1	3.0	4.3	3.0	2.0	2.0	---
8	3.8	5.3	7.6	5.4	2.9	2.0	2.0
10	5.9	8.4	11.8	8.4	4.6	2.4	2.0
12	8.5	12.0	17.0	12.0	6.6	3.4	2.0
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8
20	23.5	33.3	47.0	33.3	18.1	9.4	4.7
24	34.0	48.0	68.0	48.0	26.2	13.6	6.8

**NOTES:**

1. ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 200 P.S.I. AND AN ALLOWABLE SOIL BEARING STRESS OF 3,500 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION:

$$\text{BEARING AREA} = (\text{TEST PRESSURE}/200) \times (3500/\text{SOIL BEARING STRESS}) \times (\text{TABLE VALUE})$$

2. CONCRETE SHALL BE A-3 CONC. MEETING REQUIREMENTS OF ASTM C94.

SIZE OF FITTING	MIN. C.Y. - CONC. FOR BLOCKING
3" - 8"	3/4
10" - 12"	1 1/2
16" - 24"	2

REVISIONS  
06/20/2014

## THRUST BLOCKING DETAILS

DRWG. NO.  
D-700