



NOMINAL FITTING SIZE (IN)	TEE, WYE, PLUG OR CAP (CF)	90° BEND, PLUGGED CROSS (CF)	TEE PLUGGED ON RUN (CF)		45° BEND (CF)	22-1/2° BEND (CF)	11-1/4° BEND (CF)
			A <sup>1</sup>	A <sup>2</sup>			
4	1.0	1.4	1.9	1.4	1.0	-	-
6	2.1	3.0	4.3	3.0	1.6	1.0	-
8	3.8	5.3	7.6	5.4	2.9	1.5	1.0
10	5.9	8.4	11.8	8.4	4.6	2.6	1.2
12	8.5	12.0	17.0	12.0	6.6	3.4	1.7
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. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
3. IF NOT SHOWN ON PLANS, REQUIRED BEARING AREAS AT FITTING SHALL BE AS INDICATED ABOVE, ADJUSTED IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES).
4. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON THE PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD PLATE.
5. ABOVE BEARING AREAS BASED ON TEST PRESSURES OF 150 PSI AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS. PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE/150) X (2000/SOIL BEARING STRESS) X (TABLE VALUE).
6. ALL FITTINGS MUST HAVE MEGA LUGS AND FOLLOW 3.05.C.4 CITY OF LAKEVILLE UNDERGROUND CONSTRUCTION REQUIREMENTS.
7. POURED CONCRETE THRUST BLOCKING WILL BE REQUIRED ON ALL WATERMAIN PLUGS AND ON ALL FITTINGS FOR 12" DIAMETER PIPE AND LARGER.

NOTE: SEE STANDARD PLATE LV-ST-11 FOR MnOPS REQUIREMENTS RELATED TO FUTURE LOCATING.



WATERMAIN  
THRUST BLOCKING DETAIL

PLATE NO. LV-WM-6

DATE 02/2024