



REQUIRED BEARING AREA OF THRUST BLOCKS

PIPE SIZE	TEE & DEAD END	90° BEND	45° BEND	22-1/2° BEND
6"	8 SQ. FT.	12 SQ. FT.	6 SQ. FT.	3 SQ. FT.
8"	14 SQ. FT.	20 SQ. FT.	11 SQ. FT.	5 SQ. FT.
10"	23 SQ. FT.	32 SQ. FT.	17 SQ. FT.	9 SQ. FT.
12"	32 SQ. FT.	45 SQ. FT.	24 SQ. FT.	12 SQ. FT.

Notes:

1. ALL CONCRETE TO BE CLASS A, 3,000 PSI COMPRESSIVE STRENGTH.
2. CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL TEES, CROSSES, BENDS(HORIZONTAL OR VERTICAL), AT SIZE CHANGES, AND AT ALL FIRE HYDRANTS AND PLUGS. BEARING SURFACE OF BLOCKS TO EXTEND TO UNDISTURBED GROUND.
3. ANCHOR BLOCKS WITH TIE-DOWN ROD FOR VERTICAL BENDS SHALL BE INSTALLED WHERE REQUIRED BY THE ENGINEER. BLOCK MASS SHALL BE DESIGNED TO RESIST THRUST AND SHALL BE APPROVED BY THE CITY ENGINEER.
4. AREAS SHOWN ARE FOR EACH THRUST BLOCK.
- ③ 5. CONCRETE THRUST BLOCKS SHALL NOT BE USED ON THE "BACKBONE" WATER SYSTEM. - RESTRAIN JOINTS SHALL BE USED.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING

NO. 704

REVISION

DATE

CONCRETE ANCHOR BLOCK WITH
CAPPED END ASSEMBLY

DATE : 6/15/10

①

1991

②

2001

③

2010

③

APPROVED BY:

PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283

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