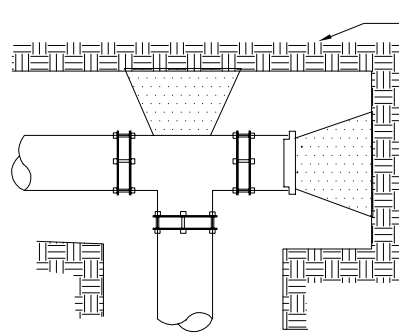


**TABLE A**

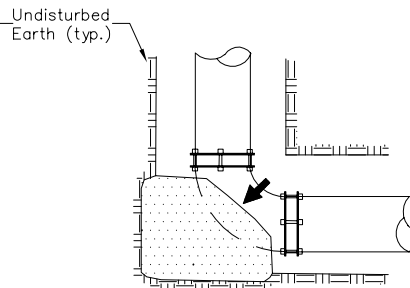
MINIMUM THRUST BLOCK BEARING AREAS (SQ. FT.)					
FITTING SIZES	TEES & PLUGS	90° BEND	45° BEND & WYES	REDUCERS & 22-1/2° BEND	11 1/4° BEND
4"	1.4	2.0	1.1	0.6	0.4
6"	2.8	4.0	2.2	1.6	1.0
8"	5.0	7.0	3.7	2.0	1.0
10"	8.0	10.3	5.6	2.9	1.0
12"	10.3	14.6	8.0	4.0	1.5

**NOTES**

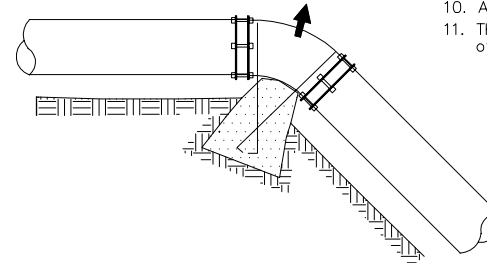
1. The concrete for thrust blocks shall be a 5 bag mix with 2500 P.S.I. or greater strength.
2. All thrust blocks shall be constructed of concrete not less than 6" thick.
3. All water lines shall have a minimum cover of not less than 6 feet.
4. All water lines shall be ductile iron Class 51 or AWWA P.V.C. (C-900).
5. No trench backfill shall be placed until the pipe and fittings are inspected by the Engineer.
6. Thrust blocks may be formed with plywood to prevent concrete from covering flange bolts or drain holes (typ.).
7. Table A is based on 150 P.S.I. main pressure 2500 P.S.F. Soil Bearing Pressure.
8. Wrap all fittings with polyethylene prior to placing concrete thrust blocks.
9. Thrust block shall bear against undisturbed earth with a minimum bearing area that conforms to Table A.
10. All fittings shall be cast iron.
11. Thrust Blocks are Allowed only with the Permission of the Water Department.



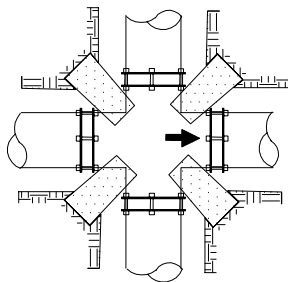
**TEE (Plugged)**



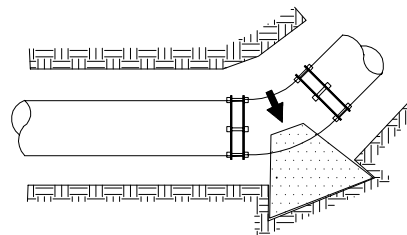
**90° ELBOW**



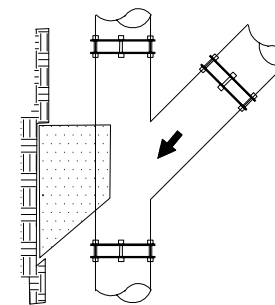
**VERTICAL 45° ELBOW**



**CROSS**



**22-1/2° OR 45°**



**"Y"**

REVISIONS

2006 CITY OF HAILEY  
IMPROVEMENT STANDARD  
DRAWINGS

THRUST BLOCKING FOR  
WATER MAIN FITTINGS

403

DWG. NO.