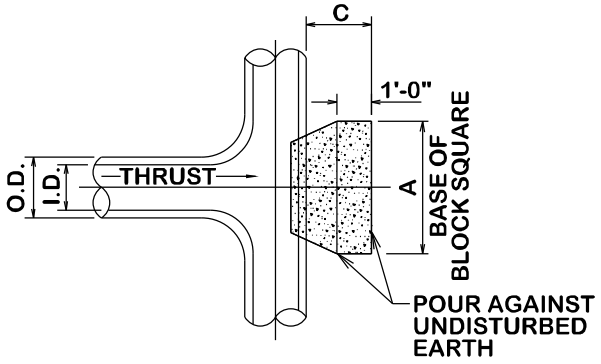
NOTE:
USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE & PLUG TO PREVENT CONCRETE FROM STICKING TO PLUG.




*TEE THRUST BLOCK*

THRUST BLOCK NOTES:

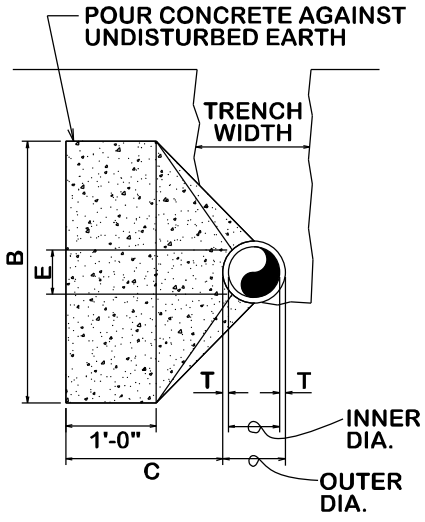
1. ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 psi FOR 24" AND SMALLER INNER DIAMETER PIPE.
2. ALL BEARING SURFACES OF THRUST BLOCKS SHALL BE PLACED AGAINST UNDISTURBED EARTH OR ROCK.
3. CONCRETE FOR BLOCKING SHALL BE 2000 psi.
4. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
5. WATER MAIN SHALL NOT BE PRESSURIZED UNTIL ALL CONCRETE BLOCKING HAS REACHED 1500 psi.

| TEE SCHEDULE | | | | |
|---|---|---|---|---|
| ID (in) | THRUST (tons) | C (ft) | A (ft) | VOLUME (c.y.) |
| 4,6,8 | 5.1 | 1.5 | 2.5 | 0.3 |
| 10,12 | 11.3 | 1.5 | 3.5 | 0.6 |

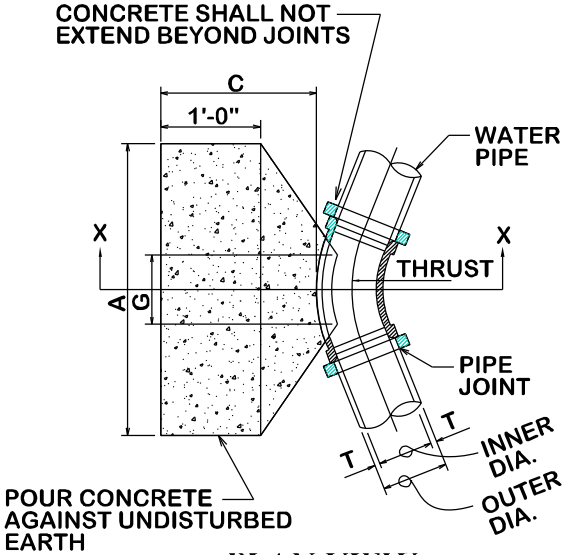
HORIZONTAL THRUST BLOCK SCHEDULE

| BEND | SIZE | A (ft) | B (ft) | C (ft) | E (ft) | G (ft) | VOLUME (c.y.) |
|---|---|---|---|---|---|---|---|
| 90° | 6,8" | 5.0 | 1.5 | 1.5 | 0.9 | 2.7 | 0.4 |
| | 10,12" | 6.5 | 2.5 | 1.5 | 1.2 | 4.0 | 1.0 |
| 45° | 6,8" | 2.0 | 2.0 | 1.5 | 0.9 | 1.5 | 0.2 |
| | 10,12" | 3.5 | 2.5 | 1.5 | 1.2 | 2.2 | 0.5 |
| 22.5° | 6,8" | 1.5 | 1.5 | 1.5 | 0.9 | 0.8 | 0.1 |
| | 10,12" | 2.0 | 2.5 | 1.5 | 1.2 | 1.1 | 0.3 |
| 11.25° | 6,8" | 1.0 | 1.5 | 1.5 | 0.9 | 0.4 | 0.1 |
| | 10,12" | 1.5 | 1.5 | 1.5 | 1.2 | 0.6 | 0.1 |

# *THRUST BLOCK DETAILS*




*SECTION X-X*




*PLAN VIEW*

CITY OF BRYAN
The Good Life, Texas Style.

# TYPICAL HORIZONTAL THRUST BLOCK

| DATE | | DETAIL NO. |
|---|---|---|
| AUG. 2012 | B/CS UNIFIED STANDARD DETAIL | W2-00 |

CITY OF COLLEGE STATION