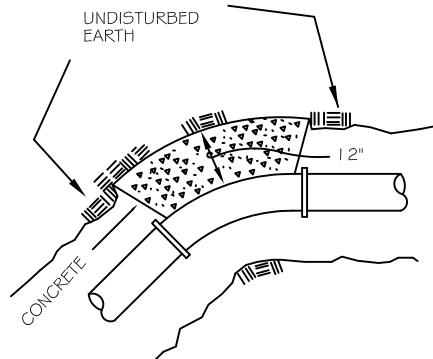


PLAN VIEW AT TEE



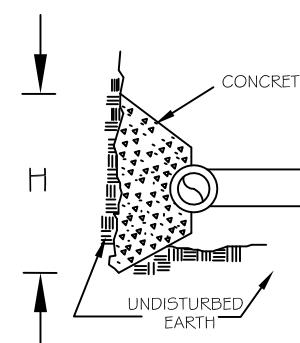
PLAN 45° BENDS
ALSO 90°, 22 1/2°, 11 1/2°

| PIPE SIZE | 1 1/4° BEND | | 22 1/2° BEND | | 45° BEND | | 90° BEND | | TEE | | TEST PRESSURE (PSI) |
|--------------|-------------|-------|--------------|-------|----------|-------|----------|-------|-------|-------|---------------------------|
| | L | H | L | H | L | H | L | H | L | H | |
| 6" | 1'-3" | 1'-0" | 2'-3" | 1'-0" | 2'-6" | 1'-6" | 2'-9" | 1'-6" | 2'-0" | 1'-6" | 200 |
| 8" | 1'-6" | 1'-6" | 2'-6" | 1'-9" | 3'-0" | 2'-0" | 3'-9" | 2'-0" | 2'-6" | 2'-0" | 200 |
| 12" | 2'-6" | 1'-9" | 4'-0" | 2'-3" | 4'-3" | 3'-0" | 5'-0" | 3'-3" | 4'-0" | 3'-0" | 200 |
| 14" | 3'-0" | 1'-0" | 4'-0" | 3'-0" | 4'-6" | 3'-9" | 6'-0" | 3'-9" | 4'-6" | 3'-6" | 200 |
| 16" | 3'-0" | 2'-9" | 4'-6" | 3'-6" | 5'-0" | 4'-6" | 7'-0" | 4'-3" | 5'-0" | 4'-0" | 200 |

THRUST BLOCKING SCHEDULE

NOTES:

1. THRUST BLOCK DIMENSIONS ARE BASED ON SOIL BEARING CAPACITY OF 2000 P.S.F. AND A TEST PRESSURE OF 200 PSI. SIZES OF THRUST BLOCKS MAY BE REVISED BY THE DESIGN ENGINEER AND APPROVAL BY THE WATER RESOURCES ENGINEERING MANAGER WHERE BEARING CAPACITY OF SOIL VARIES.
2. ALL PIPES AND FITTINGS WHICH COME INTO CONTACT WITH CONCRETE SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT.
3. ALL CONCRETE THRUST BLOCKS SHALL BE 3500 PSI PORTLAND CEMENT CONCRETE.
4. JOINTS SHALL REMAIN FREE OF CONCRETE FOR INSPECTION, REPAIR OR REPLACEMENT OF JOINTS.
5. NO THRUST BLOCKING OF VERTICAL BENDS SHALL BE PERMITTED. THE CONTRACTOR SHALL UTILIZE WEDGE ACTION RESTRAINER GLANDS FOR JOINT RESTRAINT.



ELEVATION AT FITTINGS

| | | | | | | | |
|---|------------|------------------|--------------------------------|--|--|--|--|
| # | REVISED | DATE: 7/1/04 | STANDARD DETAIL | WATER RESOURCES DEPARTMENT CITY OF MONROE, NC | | | |
| 1 | 11/1/2013 | SCALE: NONE | | | | | |
| 2 | 10/27/2015 | DRAWN BY: DSW | WATER MAIN THRUST BLOCK DETAIL | | | | |
| 3 | 1/26/2017 | CHECKED BY: RKS | | | | | |
| | | APPROVED BY: RKS | FILE NO. 10.02.00 | DIV. NO. 10 | | | |