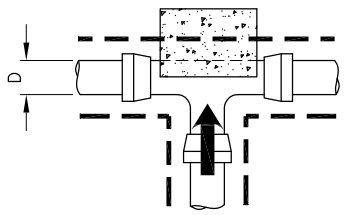
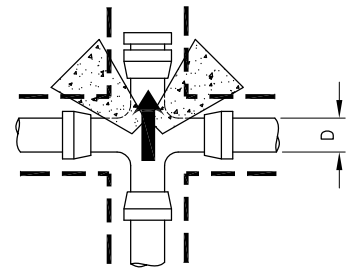
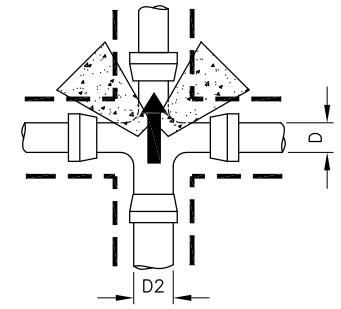


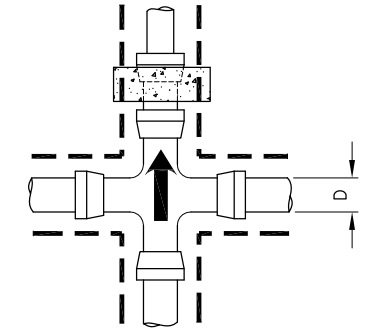

TYPE A
(SEE SECTION A)
n.t.s.




TYPE B
(SEE SECTION A)
n.t.s.




TYPE C
(SEE SECTION A)
n.t.s.




TYPE D
(SEE SECTION B)
n.t.s.

General Notes

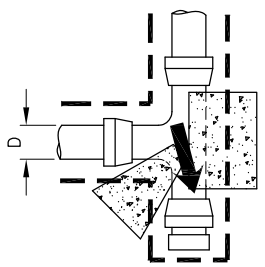
1. Thrust block must be formed against a solid hand excavated trench wall undamaged by mechanical equipment.

2. All thrust blocks shall be constructed of concrete, and the space between the pipe and trench wall shall be filled with concrete to a height not less than the outside diameter of the pipe or as specified by manufacturer.

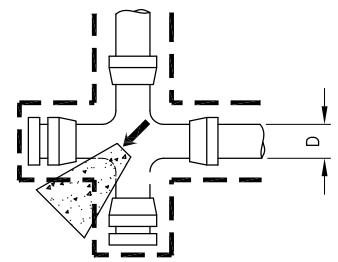
3. The concrete shall have a compression strength of at least 2000 psi.

4. The concrete mix shall be one part cement, two parts washed sand and four parts gravel.

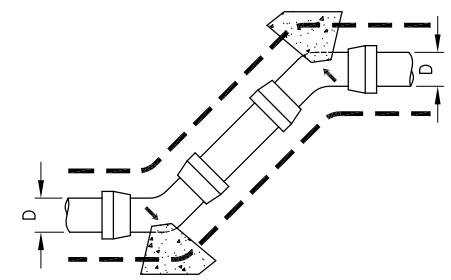
5. The thrust blocks shall be constructed so that the bearing surface is in direct line of anticipated thrust.



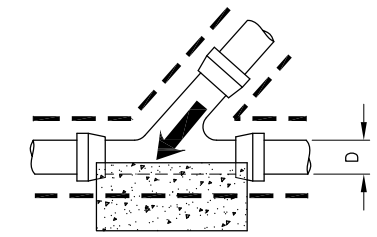

TYPE E
(SEE SECTION A)
n.t.s.



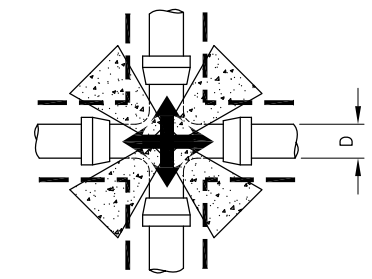

TYPE F
(SEE SECTION A)
n.t.s.



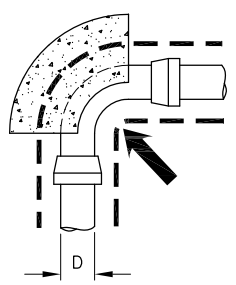

TYPE G
(SEE SECTION A)
n.t.s.



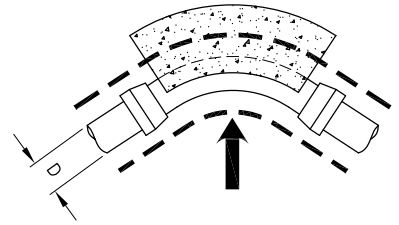

TYPE H
(SEE SECTION A)
n.t.s.



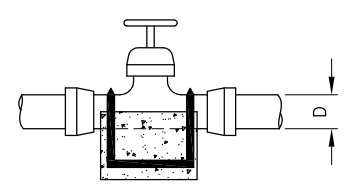

TYPE I
(SEE SECTION A)
n.t.s.



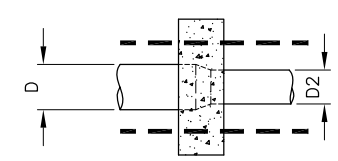

TYPE J
(SEE SECTION A)
n.t.s.



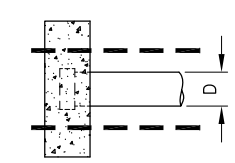

TYPE K
(SEE SECTION A)
n.t.s.




TYPE L
(SEE SECTION A)
n.t.s.




TYPE M
(SEE SECTION B)
n.t.s.




TYPE N
(SEE SECTION B)
n.t.s.

Note: This standard drawing requires supporting technical documentation prior to use and must be adapted to the specific site. Arrows indicate direction of anticipated thrust.

| Thrust Block Specifications | | | | |
|---|---|---|---|---|
| Location | Type | D(in.) | D2(in.) | A($ft^2$) |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
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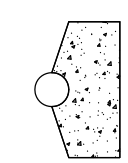
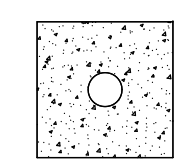
| | | | | |
| | | | | |

| | |
|---|---|
| Type A. | Thru line connection, tee |
| Type B. | Thru line connection, cross used as tee |
| Type C. | Change line size, cross used as reducer |
| Type D. | Change line size, reducer |
| Type E. | Direction change, tee used as elbow |
| Type F. | Direction change, cross used as elbow |
| Type G. | Direction change |
| Type H. | Thru line connection, wye |
| Type I. | Direction varies, cross used |
| Type J. | Direction change, 90 degree elbow used |
| Type K. | Direction change, 45 degree elbow used |
| Type L. | Valve |
| Type M. | Change line size, reducer |
| Type N. | End cap |



SECTION A
n.t.s.



SECTION B
n.t.s.

Legend

Trench Walls

Thrust Block Details

Standard DWG. No. FL-430A.dwg

Date 1/25/2011 | Sheet 2 of 2

| Revisions | | |
|---|---|---|
| Date | Approved | Title |
| 1/11 | J.T. Wilson | St. Con. Eng. |
| | | |
| | | |

Date

Designed

Drawn

Checked

Approved

Thrust Block Details

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File No.
FL-430A.dwg

Drawing No.

1/25/2011

Sheet of