

NOTE NO. 1 BLOCKING OF TYPICAL HORIZONTAL BEND WILL INCLUDE ALL BENDS 11 1/4 (1/32) TO 90 (1/4).

NOTE NO. 2 BLOCK TEE AS SHOWN. IN THE EVENT THAT ONE SIDE OF THE MAIN IS PLUGGED, 2 THRUST BLOCKS WILL BE REQUIRED.

NOTE NO. 3 BLOCKING OF PLUG IS TO INCLUDE PLYBOARD BETWEEN THE PLUG AND THE CONCRETE.

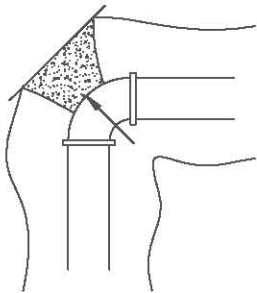
NOTE NO. 4 BLOCKING OF CROSS WITH 2 PLUGS IS AS SHOWN. WITH ONLY ONE PLUG, PROCEED SAME AS TEE.

NOTE NO. 5 INSTALL CONCRETE ANCHOR AS SHOWN IF SIZE IS REDUCED BY 2 PIPE SIZES.

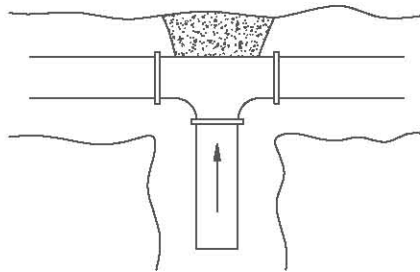
NOTE NO. 6 ALL VERTICAL BENDS TO BE BLOCKED AS SHOWN.

NOTE NO. 7 ALL HYDRANTS TO BE BLOCKED AS SHOWN. KEEP CONCRETE AWAY FROM WEEP HOLES.

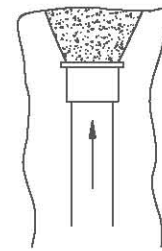
NOTE NO. 8 THE END AREA OF CONCRETE THRUST BLOCKS SHALL BE SUBMITTED WITH SOIL BEARING CHARACTERISTICS TO THE ENGINEER FOR APPROVAL.



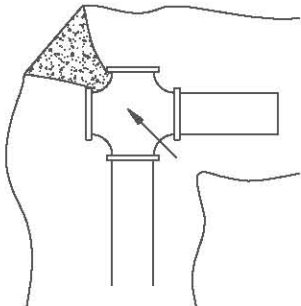
TYPICAL HORIZONTAL BEND  
NOTE NO. 1



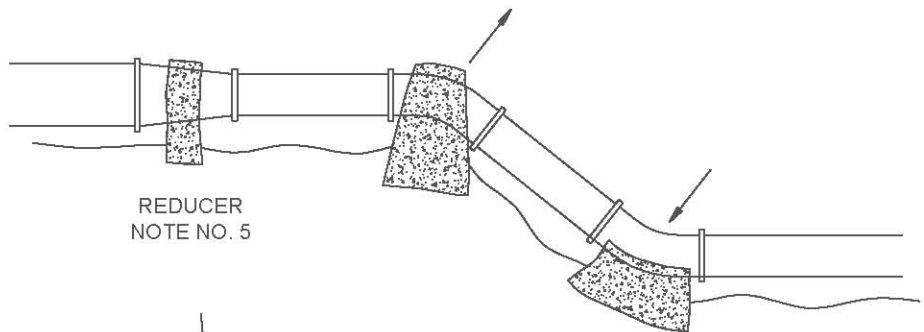
TEE AND WYE  
NOTE NO. 2



DEAD END OR PLUG  
NOTE NO. 3

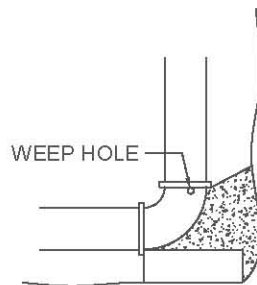


CROSS  
NOTE NO. 4



REDUCER  
NOTE NO. 5

TYPICAL VERTICAL BENDS  
NOTE NO. 6



WEEP HOLE

HYDRANT  
NOTE NO. 7

NOT TO SCALE



ENGINEERING &  
PUBLIC WORKS

## TYPICAL CONCRETE THRUST BLOCKING

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Andrew B. Stone, PE, City Engineer & Director of Public Works

STD. DRAWING #:

# 306

DRAWN BY: Alex Ray, EI

DATE: 8/16/12