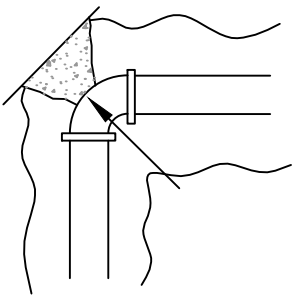
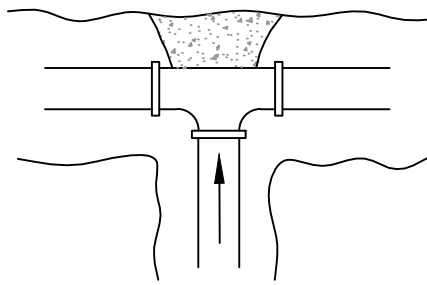


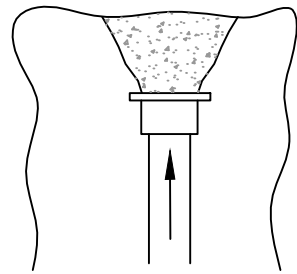
- NOTE NO. 1 BLOCKING OF TYPICAL HORIZONTAL BEND WILL INCLUDE ALL BENDS 11 1/4° (1/32) TO 90° (1/4)
- NOTE NO. 2 BLOCK TEE AS SHOWN. IN THE EVENT THAT ONE SIDE OF THE MAIN IS PLUGGED, 2 THRUST BLOCKS WILL BE REQUIRED.
- NOTE NO. 3 BLOCKING OF PLUG IS TO INCLUDE PLYBOARD BETWEEN THE PLUG AND CONCRETE.
- NOTE NO. 4 BLOCKING OF CROSS WITH 2 PLUGS IS AS SHOWN. WITH ONLY 1 PLUG PROCEED SAME AS TEE.
- NOTE NO. 5 INSTALL CONCRETE ANCHOR AND TIE DOWNS AS SHOWN IF SIZE IS REDUCED 2 PIPE SIZES OR MORE.
- NOTE NO. 6 ALL VERTICAL BENDS TO BE BLOCKED AND TIED DOWN 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.



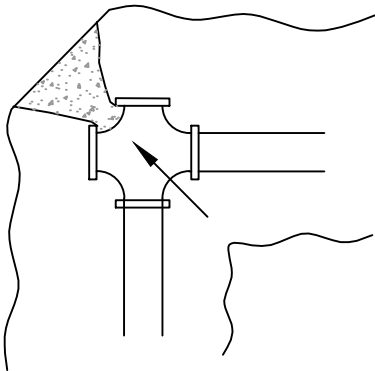
TYPICAL HORIZONTAL BEND
NOTE NO. 1



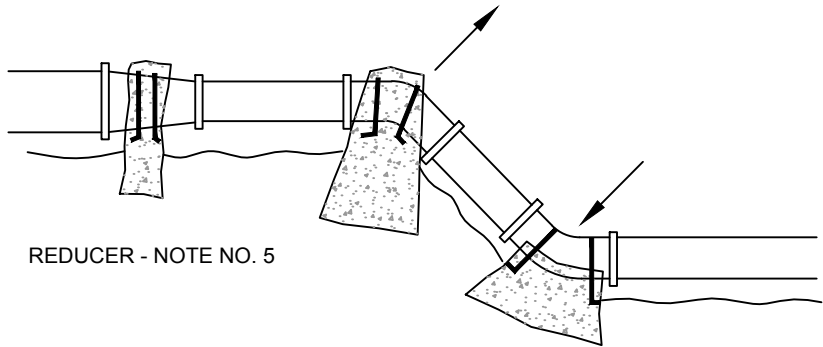
TEE AND WYE
NOTE NO. 2



DEAD END OR PLUG
NOTE NO. 3

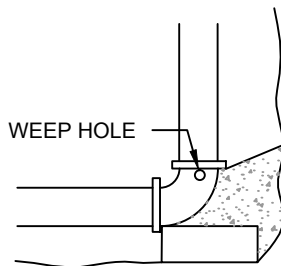


CROSS - NOTE NO. 4



REDUCER - NOTE NO. 5

TYPICAL VERTICAL BENDS
NOTE NO. 6



HYDRANT NOTE NO. 7

CITY OF WATFORD CITY, NORTH DAKOTA PUBLIC WORKS DEPARTMENT	
CONCRETE THRUST BLOCKING	
APPROVED FOR PUBLICATION	DWG. NO.
_____ City Engineer	_____ Date
900-1	