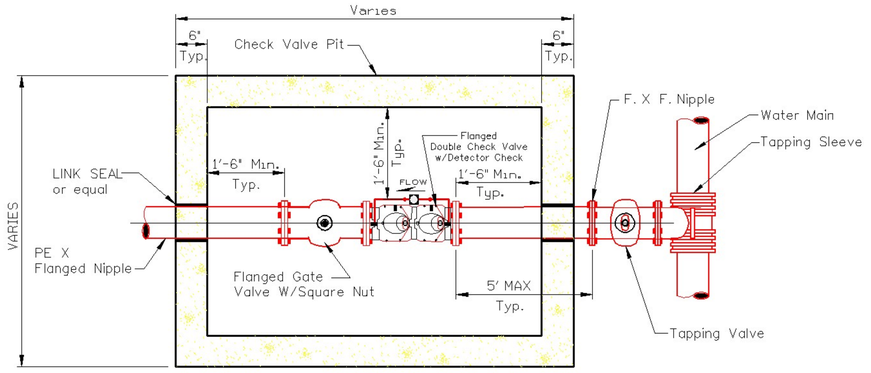
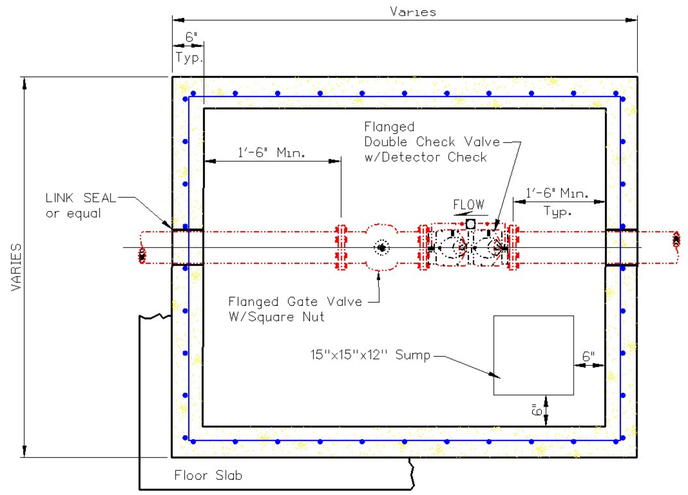
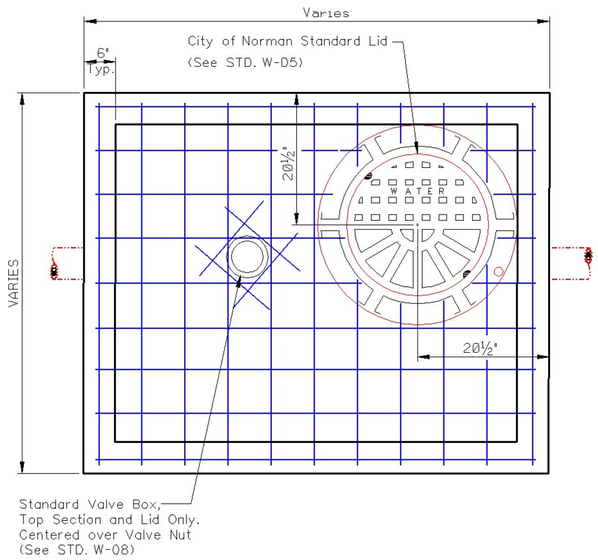
Rev. No. 4



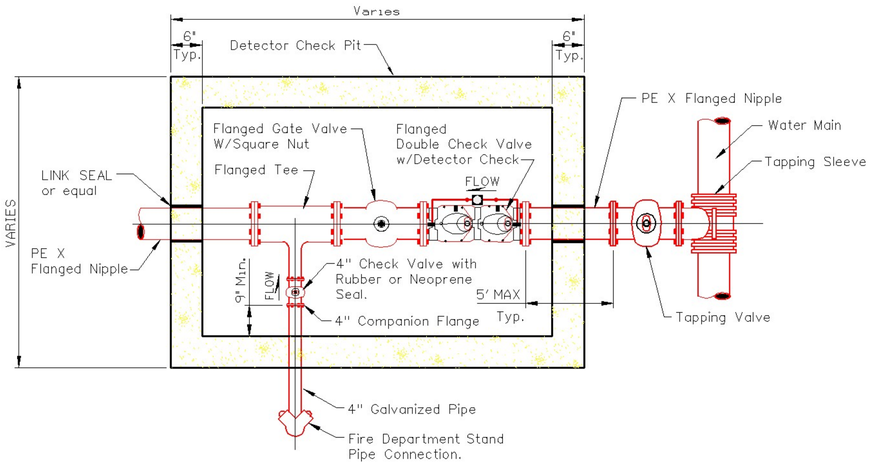
STANDARD CHECK VALVE



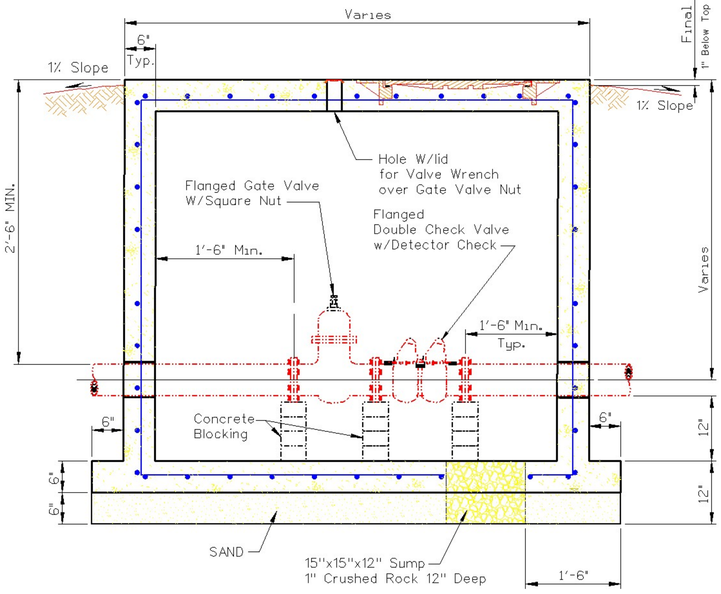
PLAN



PLAN OF TOP SECTION

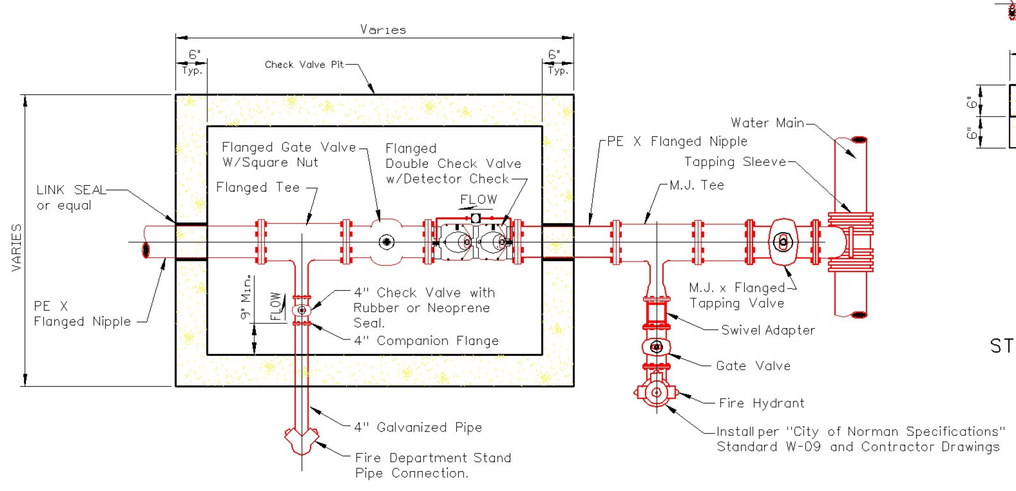


STANDARD CHECK VALVE AND STAND PIPE



ELEVATION

STANDARD METER PIT FOR STANDARD CHECK VALVE,
STANDARD CHECK VALVE WITH FIRE HYDRANT AND STAND PIPE
OR STANDARD CHECK VALVE AND STAND PIPE



STANDARD CHECK VALVE WITH FIRE HYDRANT AND STAND PIPE

NOTES:

1. A minimum clearance of 18" from the body or flanges of waterline valves and other devices to the inside wall of the pit except as shown or noted.
2. Vault to be constructed of Class A Concrete as per ODOT Section 701 with a minimum 28-day compressive strength of 3000 PSI
3. Reinforcing Steel shall be grade 60, #4 Bars at 8" Centers
4. Floor, Walls & Top may be poured separate with the use of Steel ties at all construction joints.
5. Valve vault to be located on public property or in a designated utility easement.
6. All Exterior metal surfaces to be painted a fire hydrant red.
7. All fire hydrants and stand pipe connections to have City of Norman standard thread.
8. If double detector check is installed as shown, the Fire Department does not require a double check valve in building. However, the owner has the option of installing only a single detector check valve at the water main and a double check valve in the building. If this option is chosen, then a remote read located on the exterior of the building is required.
9. The gate valve shown inside the vault may be located just outside this vault toward the building.
10. Alternate designs shall be reviewed by the City Engineer.

Engineering Division, City of Norman

FIRE LINE STANDARD

APPROVED BY:_____DATE_____
BOB HANGER, CITY ENGINEER

DRAWN: JB

DATE: 3/16/2006

Standard: W-14

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