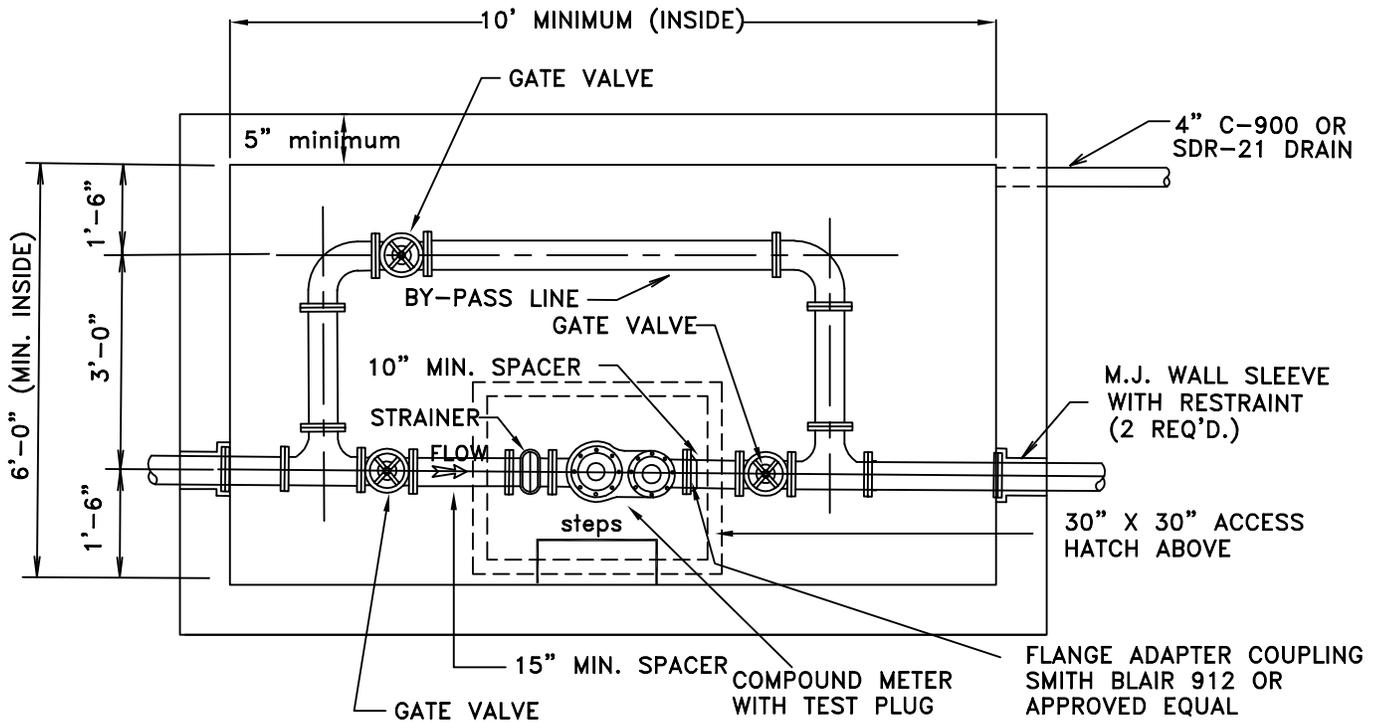


City of Cookeville
 Dept of Water Quality Control



MASTER METER PIT DETAIL FOR METERS OVER 2" IN SIZE

NOT TO SCALE

Date: 3-27-17

NOTES:

1. Slope floor to drain.
2. Tie floor drain to nearest storm drain or ditch. If this is not feasible as determined by the City the drain shall be installed with a check valve and drain to a pit with a minimum of two cubic yards of gravel with the top of the gravel below the floor of the meter pit. The gravel shall be covered with remay cloth.
3. Steps shall be cast-in-place (plastic w/encapsulated steel rod)
4. Water meter shall be a SENSUS Omni C2 Meter approved by the City of Cookeville, furnished with test plug and strainer. Meters must read U.S. Gallons. Maximum meter size is 6". If water demand is greater, additional meters must be installed.
5. Meter pit to be constructed of precast concrete with a minimum thickness of 5".
6. Access door to be placed over meter for ease in reading.
7. Access door shall be made of aluminum (Bilco or approved equal).
8. If pressure reducer is required, it must be installed downstream of the meter pit to also control the by-pass line.
9. Meter shall be set a minimum of 36" and a maximum of 48" below finished ground elevation.
10. All piping inside water meter pit shall be constructed of Ductile Iron pipe. DI to be extended a minimum of 4' outside of pit.
11. The floor of the water meter pit shall be a minimum of 24" below the bottom of the water meter.
12. Meter Pit bottom shall rest on a minimum of 6" of compacted crushed stone.
13. A shop drawing of the internal piping shall be submitted for approval.
14. A Kemp-Meek VL-9 remote reader for water meters shall be connected to the meter and the remote display shall be installed in a small water meter box adjacent to the master meter pit.