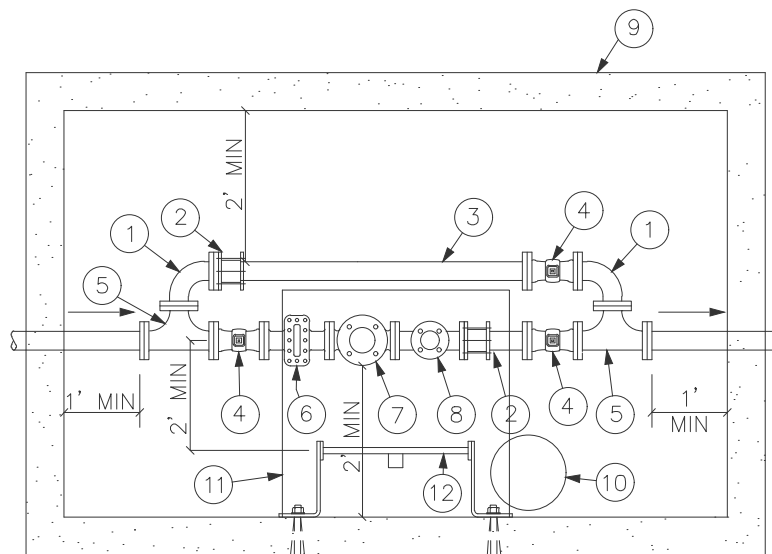


MATERIALS LIST:

- 1 – D.I. 90° BEND FLG. x FLG.
- 2 – SMITH-BLAIR NO. 912 FLEXIBLE ADAPTER OR APPROVED EQUAL.
- 3 – BYPASS LINE
- 4 – GATE VALVE OS&Y W/ CHAIN & LOCK FLG. X FLG.
- 5 – D.I. TEE FLG. X FLG.
- 6 – STRAINER
- 7 – COMPOUND OR TURBINE METER
- 8 – TESTING TEE FLG. X FLG. WITH 2" GATE VALVE AND FLG. X THREADED END DISCHARGE PIPE
- 9 – PRECAST METEER VAULT
- 10 – 12" SUMP x 24" DEEP (12" R.C.P. OR EQUAL)
- 11 – ACCESS DOOR
- 12 – GALVANIZED STEEL LADDER WITH BILCO LADDERUP SAFETY POST WHEN DEPTH OF VAULT EXCEEDS 5 FEET.

MINIMUM VAULT SIZE

METER	VAULT
3 INCH	6'X8'X6' VERTICAL
4 INCH	6'X8'X6' VERTICAL
6 INCH	8'X10'X6' VERTICAL



NOTES:

- 1. A J-5AL BILCO DOOR (3.5'x3.5') SHALL BE SPECIFIED FOR 3" AND 4" METER VAULTS. A JD-2AL BILCO DOOR (4'x4') SHALL BE SPECIFIED FOR 6" AND 8" METER VAULTS OR APPROVED EQUAL. DOOR SHALL BE DESIGNED FOR AASHTO H-20 WHERE APPLICABLE.
- 2. ALL VAULTS SHALL BE BROOKS, AMERICAN OR APPROVED EQUAL AND DESIGNED FOR AASHTO H-20 OR H-20-44 LIVE LOADS.
- 3. DOOR DRAIN SHALL BE PLUMBED TO OUTSIDE OF VAULT.
- 4. ALL WALL PENETRATIONS SHALL BE SEALED WITH LINK SEAL OR APPROVED EQUAL.
- 5. PIPE AND FITTINGS SHALL BE CONSTRUCTED A MIN. OF 1' ABOVE THE VAULT FLOOR. A CONCRETE PEDESTAL SHALL BE INSTALLED AT THE MID POINT OF THE PIPING ASSEMBLY FOR HORIZONTAL SUPPORT.
- 6. BYPASS LINE SHALL BE SAME SIZE AS MAIN LINE.
- 7. CONTRACTOR SHALL COORDINATE WITH THE CITY REGARDING METER SPECIFICATIONS AND DIMENSIONS. CITY UTILITY BILLING DEPARTMENT WILL SUPPLY METERS AND CONTRACTOR SHALL INSTALL.



WATER CONSTRUCTION DETAILS
3" & LARGER METER VAULT

REVISION DATE:
2/1/2024

SHEET: W-13