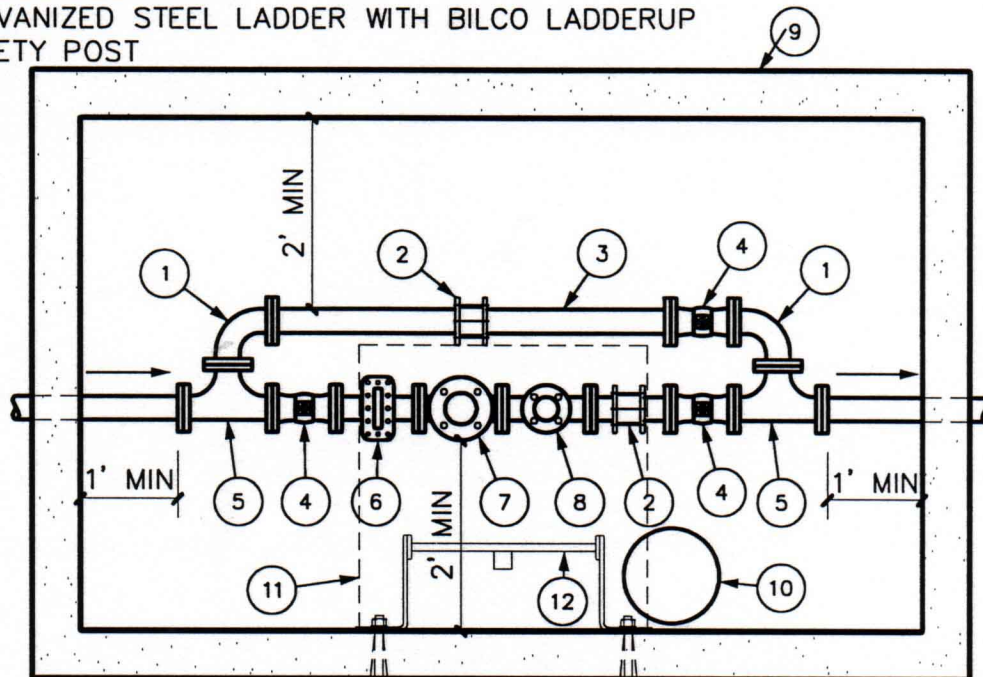


MATERIALS LIST:

- 1 - D.I. 90° BEND FLG. x FLG.
- 2 - RESTRAINED COUPLING OR EXPANSION JOINT
- 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

MINIMUM VAULT SIZE

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



NOTES:

1. A J-4AL BILCO DOOR (3'x3') SHALL BE SPECIFIED FOR 3" AND 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. METERS SHALL BE MASTER COMPOUND METERS OR APPROVED EQUAL.



**CITY OF
DECATUR**

WATER SYSTEM CONSTRUCTION DETAILS

3" AND LARGER METER VAULT

REVISED MAR 2000

SCALE: 1/2" = 1'

SHEET: **W-12**