


- GENERAL NOTES:**
- HERSEY FM3 8" WITH 2" MVR-30 BY-PASS METER WATER METER ASSEMBLY EQUIPPED WITH AMR READ CUBIC FEET REGISTRATION, OR EQUAL. THE LOCATION OF THE FITTINGS MUST COMPLY WITH THE MANUFACTURERS RECOMMENDATIONS FOR STRAIGHT PIPE CONDITIONS.
  - MASTER METER ASSEMBLY TO BE RESTRAINED DUCTILE IRON FLANGE PIPE WITHIN VAULT
  - WATER MAIN AND FITTINGS TO BE A MAXIMUM OF 3.5 BELOW FINISHED GRADE
  - PRECAST CONCRETE BELOW-GROUND VAULT(S) WITH H-20 LOADING. VAULT(S) AND OPENINGS SHALL BE WATER TIGHT AND SEALED. MASTIC GASKETS, NON-SHRINKING GROUT AND RESILENT PIPE CONNECTORS SHALL BE USED, AS REQUIRED. ANTI-FLOATION MEASURES MUST BE PROVIDED.
  - 2-INCH TEST PORT BY TAP-SADDLE, BALL VALVE, AND PLUG
  - RESILENT WEGDE GATE VALVE NON-RISING STEM WITH HAND WHEEL
  - APPROPRIATE BACKFLOW ASSEMBLY, IN ACCORDANCE WITH THE CITY OF CONCORD CODE OF ORDINANCE. BACKFLOW ASSEMBLY MUST BE LOCATED WITHIN 5-FEET OF METER UNLESS OTHERWISE APPROVED BY THE CITY OF CONCORD BACKFLOW ADMINISTRATOR.
  - THE DOOR(S) MUST BE FLUSH MOUNT, LOCKABLE AND SIZED SUCH THAT THE VALVES, METER, AND TEST PORT ARE LOCATED WITHIN THE DOOR(S) OPENING AND ACCESSIBLE TO CITY OF CONCORD STAFF.
  - 12-INCHES OF HORIZONTAL CLEARANCE MUST BE PROVIDED BETWEEN THE INTERIOR VAULT WALL AND ANY ASSOCIATED FITTINGS OR APPURTENANCES AND 12-INCHES OF HORIZONTAL CLEARANCE BETWEEN ALL INTERNAL BY-PASS ASSEMBLY FITTINGS AND THE METER ASSEMBLY FITTINGS.
  - ROMAC DJ405 DISMANTLING JOINT OR EQUIVALENT.
  - ALL BENDS AND/OR VALVE FITTINGS SHALL BE LOCATED AT LEAST 30-INCHES FROM THE COMPOUND METER'S FRONT FLANGE AND 20-INCHES FROM METER'S REAR FLANGE. THE TEST PORT CONNECTION SHALL BE LOCATED AT LEAST 24-INCHES FROM THE METER'S REAR FLANGE.
  - SHOP DRAWINGS FOR PROPOSED VAULT(S), METER, DOOR(S), AND ASSEMBLY MUST BE SUBMITTED TO THE CITY OF CONCORD ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.

**8" WATER METER WITH 2" BY-PASS ASSEMBLY WITH H-20 LOADING VAULT STANDARD DETAIL**



MASTER WATER METER FOR PRIVATE WATER DISTRIBUTION SYSTEMS

2	6-3-19	svm	COMPOUND METER DIMENSION REVISION
1	3-31-15.	svm	Removal of "Compound" text and title change
No.	Date	By	REVISION
Drawn By:	Checked By:	Approved By:	Date
SVM		MSH	01/13