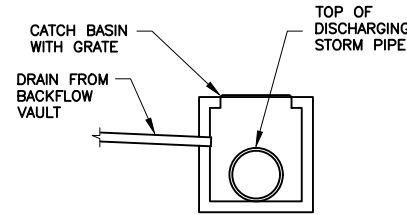
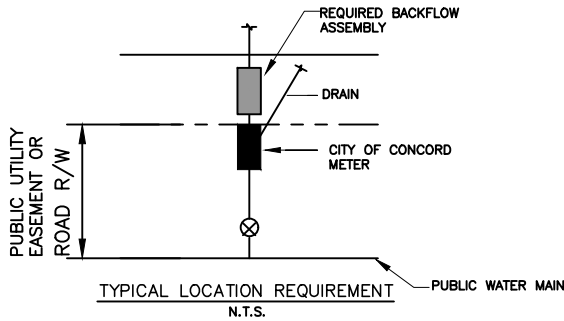


ELEVATION
N.T.S.



DRAIN ALTERNATIVE
N.T.S.

GENERAL NOTES:

1. HERSEY FM3 4" DIAMETER METER WITH 1" RESIDENTIAL FIRE METER (RFM) BY-PASS 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.
2. MASTER METER ASSEMBLY TO BE RESTRAINED DUCTILE IRON FLANGE PIPE WITHIN VAULT
3. WATER MAIN AND FITTINGS TO BE A MAXIMUM OF 3.5 BELOW FINISHED GRADE
4. PRECAST CONCRETE BELOW-GROUND VAULT WITH H-20 LOADING. VAULT AND OPENINGS SHALL BE WATER TIGHT AND SEALED. MASTIC GASKETS, NON-SHRINKING GROUT AND RESILENT PIPE CONNECTORS SHALL BE USED, AS REQUIRED. ANTI-FLOATATION MEASURES MUST BE PROVIDED
5. 2-INCH TEST PORT BY TAP-SADDLE, BALL VALVE, AND PLUG
6. RESILENT WEDGE GATE VALVE NON-RISING STEM WITH HAND WHEEL
7. 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.
8. THE DOORS MUST BE FLUSH MOUNT, LOCKABLE AND SIZED SUCH THAT THE VALVES, METER, AND TEST PORT ARE LOCATED WITHIN THE DOOR OPENING AND ACCESSIBLE TO CITY OF CONCORD STAFF.
9. 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 BAY-PASS ASSEMBLY FITTINGS AND THE METER ASSEMBLY FITTINGS.
10. ROMAC DJ405 DISMANTLING JOINT OR EQUIVALENT.
11. 18-INCHES FROM METER FLANGE TO TEST PORT CONNECTION.
12. 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.
13. MAINTAIN A 18" MIN CLEARANCE FROM INTERIOR HATCH DOOR/VAULT LID TO THE TOP OF THE METER ASSEMBLY & VALVE STEM.
14. RESTRAINED DUCTILE IRON WITH MECHANICAL JOINT PIPING AND FITTINGS SHALL BE UTILIZED FROM THE SERVICE CONNECTION AT THE PUBLIC MAIN THROUGH VAULT WALLS AND AT LEAST 5-FT BEYOND THE VAULT ON THE SERVICE SIDE OF THE SYSTEM.

4-INCH WATER METER WITH 1" BY-PASS ASSEMBLY AND H-20 LOADED VAULT AND HATCH STANDARD DETAIL



MASTER WATER METER
FOR
PRIVATE WATER
DISTRIBUTION SYSTEMS

No.	Date	By	REVISION			
Drawn By:	BCC	Checked By:	SVM	Approved By:	MSH	Date
						05/21
						Sht of