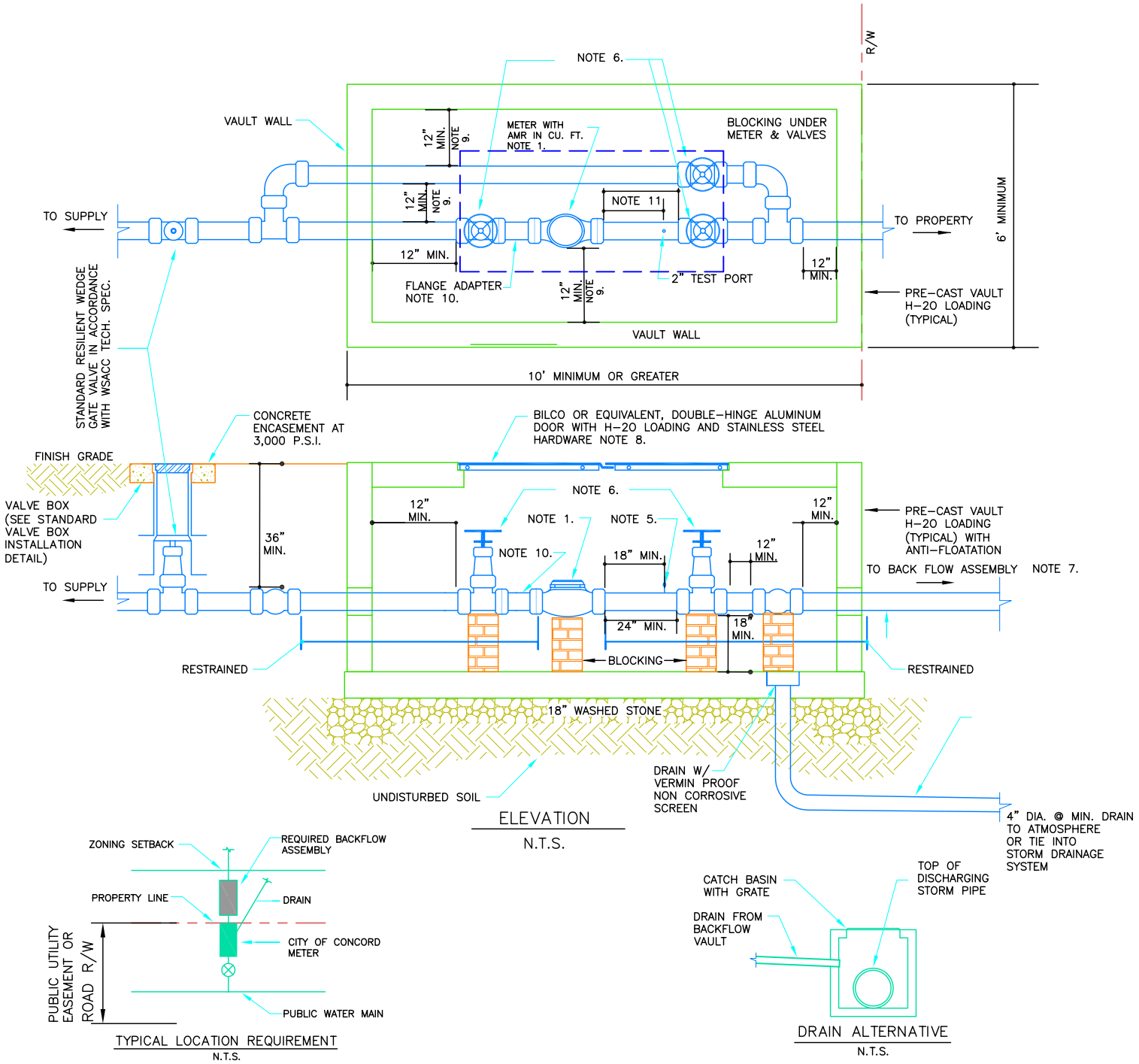

ELEVATION

N.T.S.

TYPICAL LOCATION REQUIREMENT

N.T.S.

DRAIN ALTERNATIVE

N.T.S.

TIE INTO CATCH BASIN OR STORMWATER MANHOLE PER DETAIL SHOWN ABOVE. NO TIE IN TO STORMWATER PIPE WILL BE ACCEPTED.

GENERAL NOTES:

1. HERSEY MVR WATER METER EQUIPPED WITH AMR READ CUBIC FEET REGISTRATION OR EQUAL. THE LOCATION OF THE FITTINGS MUST COMPLY WITH THE MANUFACTURES 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 WEGDE 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. 24-INCHES TOTAL FROM METER FLANGE TO GATE VALVE.
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.

CONCORD NORTH CAROLINA
a city meeting the future...

MASTER WATER METER FOR PRIVATE WATER DISTRIBUTION SYSTEMS

4-INCH WATER METER AND VAULT STANDARD DETAIL

No.	Date	By	REVISION
2.	3/8/07	SM	FLUSH MOUNT DOOR
1.	9/18/06	SM	ANTI-FLOATATION,NOTE 12, STEM GATE VALVE

Drawn By:	Checked By:	Approved By:	Date	Sht	of
SM	JS 9/5/06	MSH	09/06		