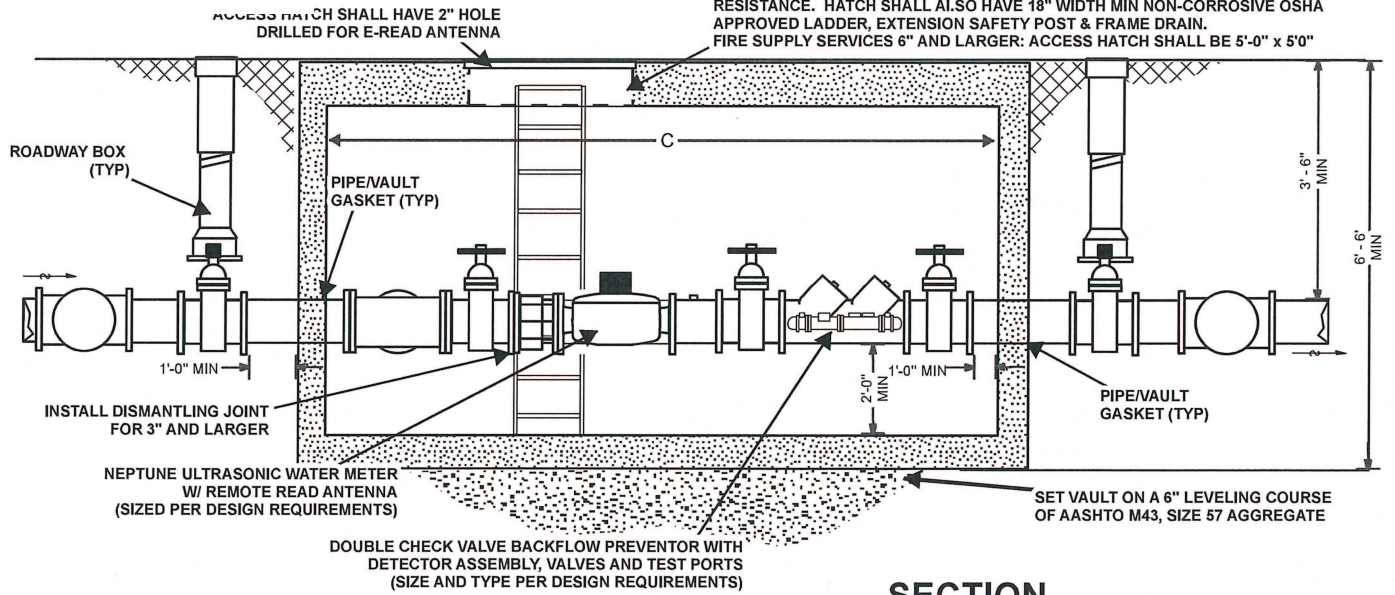


**PLAN**

LIMIT OF CITY OF ABERDEEN MAINT. & RESPONSIBILITY. (ALL ITEMS WITHIN VAULT OTHER THAN THE METER ITSELF ARE THE RESPONSIBILITY OF THE PROPERTY OWNER.)

FOR FIRE SUPPLY SERVICE LESS THAN 6": PROVIDE 4'-0" x 4'-0" ACCESS HATCH W/H-20 LOAD DESIGN, w/BUILT IN PNEUMATIC CYLINDER TO KEEP HATCH OPEN UNDER RESISTANCE. HATCH SHALL ALSO HAVE 18" WIDTH MIN NON-CORROSIVE OSHA APPROVED LADDER, EXTENSION SAFETY POST & FRAME DRAIN. FIRE SUPPLY SERVICES 6" AND LARGER: ACCESS HATCH SHALL BE 5'-0" x 5'-0"

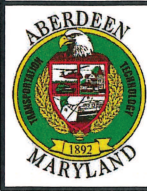


**SECTION**

**NOTES:**

1. PERMANENT BRICK, CONCRETE OR APPROVED PRECAST PIPE SUPPORTS (NOT SHOWN) TO BE PLACED UNDER ALL FLANGED FITTINGS AND AS DIRECTED BY CITY AND COUNTY.
2. LOADS: LL = AASHTO H-20, D.L = EARTH @ 110 LBS PER CU FT AND 42 LBS PER CU FT EQUIVALENT FLUID PRESSURE. CONCRETE AND REINFORCING SHALL CONFORM TO STANDARD SPECIFICATIONS.
3. PROVIDE POSITIVE DRAINAGE AWAY FROM VAULT.
4. FOR INTERIOR COMMERCIAL INSTALLATION, A REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY MAY BE REQUIRED.
5. ALL PIPE WITHIN THE VAULT SHALL BE FLANGED. FLANGES AND METERS SHALL RECEIVE STAINLESS STEEL BOLTS AND BRASS NUTS.
6. ALL FITTINGS TO BE BRASS OR DUCTILE IRON.
7. SUMP SHALL HAVE AN 8" MIN DIA AND A 4" MIN DEPTH.
8. PRIOR TO ORDERING THE METER AND BACKFLOW PREVENTER, THE CONTRACTOR SHALL MEET WITH CITY AND COUNTY PERSONNEL TO DISCUSS THE INSTALLATION REQUIREMENTS.
9. THE EXTERIOR OF THE CONCRETE VAULT SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.

FIRE SERVICE BACKFLOW PREVENTER SIZE	A	B	C
3"	72	24	96
4"	73	31	108
6"	74	34	126
8"	78	36	138
10"	78	36	156



CITY OF ABERDEEN  
DEPARTMENT OF PUBLIC WORKS

*Kyle Joubert*

**STANDARD WATER DETAILS**

**CLOSED SYSTEM  
DOMESTIC WATER SERVICE  
WITH FIRE SUPPLY**

**CITY OF ABERDEEN  
ADDENDUM TO  
HARFORD COUNTY  
STANDARD DETAILS**

**PLATE W-24b**