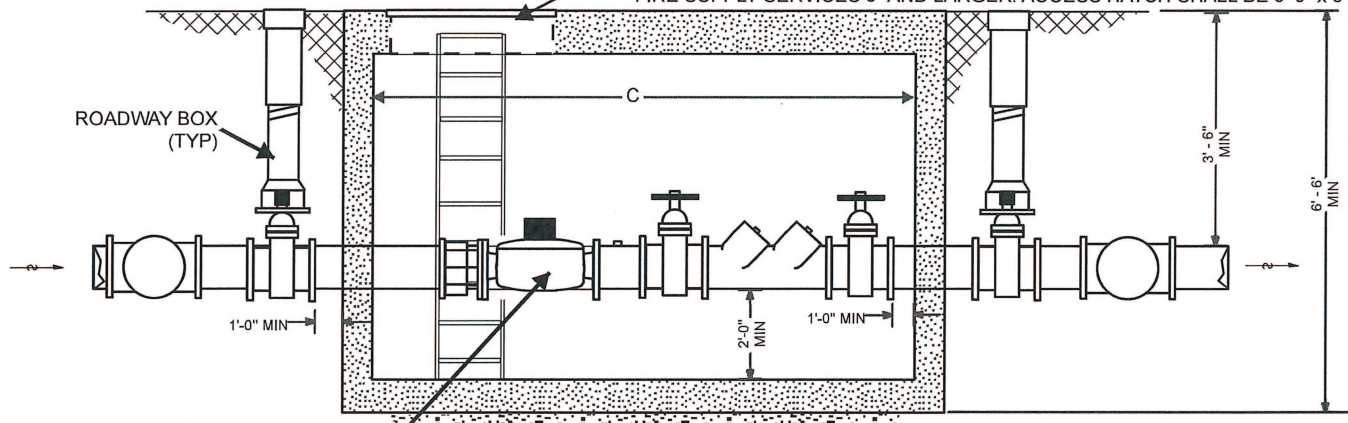


**PLAN**

**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:**

- PERMANENT BRICK, CONCRETE OR APPROVED PRECAST PIPE SUPPORTS (NOT SHOWN) TO BE PLACED UNDER ALL FLANGED FITTINGS AND AS DIRECTED BY CITY AND COUNTY.
- 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.
- PROVIDE POSITIVE DRAINAGE AWAY FROM VAULT.
- FOR INTERIOR COMMERCIAL INSTALLATION, A REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY MAY BE REQUIRED.
- ALL PIPE WITHIN THE VAULT SHALL BE FLANGED.
- ALL FLANGES AND METERS SHALL RECEIVE STAINLESS STEEL BOLTS AND BRASS NUTS.
- SUMP SHALL HAVE AN 8" MIN DIA AND A 4" MIN DEPTH.
- PRIOR TO ORDERING THE METER AND BACKFLOW PREVENTER, THE CONTRACTOR SHALL MEET WITH CITY AND COUNTY PERSONNEL TO DISCUSS THE INSTALLATION REQUIREMENTS.
- THE EXTERIOR OF THE CONCRETE VAULT SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.

BACKFLOW PREVENTER SIZE	A	B	C
3"	48	30	108
4"	47	37	120
6"	56	40	144
8"	60	42	168
10"	66	42	192
12"	66	42	192



**CITY OF ABERDEEN  
DEPARTMENT OF PUBLIC WORKS**

*Kyle Jorsts*

**STANDARD WATER DETAILS**

**STANDARD INSTALLATION FOR  
3" THRU 10" COMBINED  
FIRE AND DOMESTIC SERVICE**

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

**PLATE W-25**