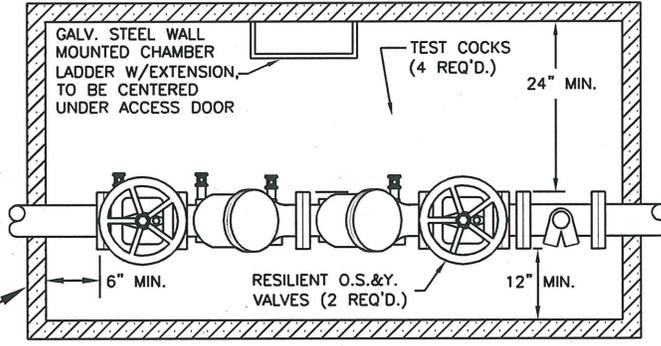


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UTILITY VAULT SIZING CHART
(OR APPROVED EQUAL)

PIPE DEPTH UP TO	DCVA SIZE	FDC TEE INSIDE VAULT	FDC TEE OUTSIDE VAULT
4'	4"	675-WA W/2-332P	575-WA W/2
6'	4"	676-WA	577-WA
4'	6"	687-WA	675-WA W/2
6'	6"	676-WA	676-WA
6'	8"	5106-WA	687-WA
6'	10"	5106-WA	5106-WA

PRE-CAST CONC.
VAULT H-20 LOADING
LID W/LADDER



TOP VIEW

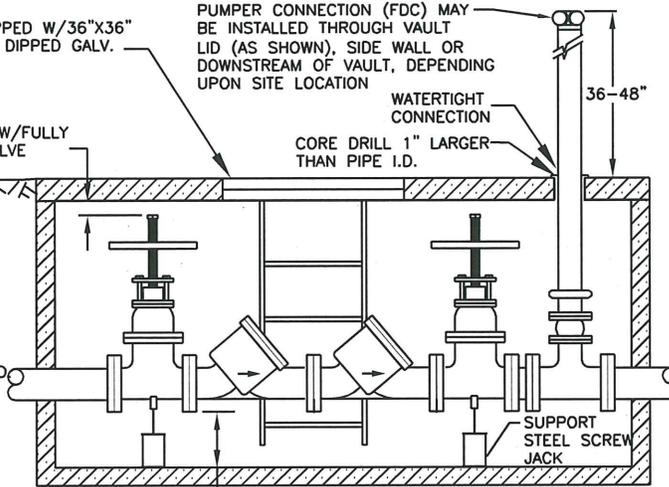
VAULT SHALL BE EQUIPPED W/36"x36"
SPRING ASSISTED, HOT DIPPED GALV.
DIAMOND PLATE DOOR.
UTILITY VALVE #332P

PUMPER CONNECTION (FDC) MAY
BE INSTALLED THROUGH VAULT
LID (AS SHOWN), SIDE WALL OR
DOWNSTREAM OF VAULT, DEPENDING
UPON SITE LOCATION

3" MIN. W/FULLY
OPEN VALVE

FINISH GRADE

A CITY APPROVED
ISOLATION VALVE IS REQ'D
BETWEEN THE SUPPLY
MAIN AND THE VAULT



SIDE VIEW

NOTES:

1. DCVA MUST BE ON DEPT. OF HEALTH APPROVED LIST.
2. THE DCVA MAY BE INSTALLED ABOVE OR BELOW GROUND PROVIDED ALL CLEARANCES ARE MET.
3. APPROVED DCVA TO LAY HORIZONTAL WITH THE GROUND. (VERTICAL IF APPROVED BY DEPT. OF HEALTH)
4. THE WATER LINE SHALL BE DISINFECTED, FLUSHED AND PRESSURE TESTED PRIOR TO INSTALLING THE BACKFLOW ASSEMBLY. THE DCVA SHALL BE PROTECTED FROM FREEZING AND FLOODING.
5. ALL PIPE, VALVE AND FITTING JOINTS, FROM SUPPLY MAIN, SHALL BE FLANGED OR RESTRAINED.
6. GROUT PIPE ENTRANCE AND EXIT, IN VAULT, WITH WATERTIGHT GROUT.
7. ALL VAULTS SHALL BE PRE-APPROVED BY THE FIRE MARSHALL PRIOR TO INSTALLATION.
8. DCVA SHALL BE INSTALLED AT THE PROPERTY LINE OR EASEMENT LINE, THE BUILDINGS FALL HEIGHT AWAY FROM THE BUILDING AND ON OWNER'S PROPERTY.
9. DCVA SHALL HAVE A MINIMUM OF 3' CLEARANCE FROM ALL STRUCTURES.
10. DCVA SHALL BE TESTED AFTER INSTALLATION AND PRIOR TO ACCEPTANCE AND ALSO YEARLY THEREAFTER BY A WASHINGTON STATE CERTIFIED BACKFLOW ASSEMBLY TESTER. TEST RESULTS SHALL BE SENT TO THE CITY OF BATTLE GROUND OPERATIONS CENTER.
11. PROVIDE 2" DRAIN TO DAY LIGHT OR SUMP PUMP TO STORM POND.
12. INSTALL BALL DRIP VALVE (NFPA 13).
13. CITY OF BATTLE GROUND PLUMBING PERMIT IS REQUIRED FOR INSTALLATION FOR DCVA.
14. DCVA MUST BE APPROVED BY THE CITY OF BATTLE GROUND OPERATIONS CENTER © 360-342-5350.

STANDARD DOUBLE CHECK VALVE ASSEMBLY
2 1/2" & LARGER

PLAN #



CITY OF BATTLE GROUND
APPROVED

CITY ENGINEER

DATE

REVISIONS:	DATE:	DRAWN:	DESIGNED:
1	8/12/98	BSG	GGH
2	4/16/07	JMH	MCH

WA-5.1