

**NOT FOR FIRE LINE--FOR DOMESTIC WATER SERVICE**

PIPE SIZE	DCVA	USE "UTILITY VAULT" SPECIFICATION OR OWNER APPROVED EQUAL
4"	4"	675 LA W/ 2-332P ACCESS HATCH
6"	6"	687 TL W/ 2-332P ACCESS HATCH
8"	8"	5106 LA W/ 2-332P ACCESS HATCH


**NOTES**

- BACKFLOW ASSEMBLY SHALL BE USC APPROVED FOR WASHINGTON STATE.
- DOUBLE CHECK VALVE ASSEMBLY'S ARE NOT APPROVED FOR FIRE PROTECTION SYSTEMS WITHIN CITY OF BAINBRIDGE ISLAND WATER SERVICE AREAS.
- INSTALL ASSEMBLY IN HORIZONTAL POSITION. VERTICAL POSITION IS ALLOWED IF APPROVED BY WASHINGTON STATE DEPARTMENT OF HEALTH OR USC LIST FOR VERTICAL UP OR DOWN.
- BACKFLOW ASSEMBLY SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION AT OR WITHIN ONE FOOT OF THE PROPERTY LINE OR EASEMENT LINE AND ON THE OWNER'S PROPERTY UNLESS OTHERWISE APPROVED. DO NOT INSTALL IN AN AREA SUBJECT TO FLOODING.
- VAULT MAY BE BURIED UP TO 12" PROVIDED ASSEMBLY IS A MIN. 12" ABOVE FINAL GRADES PROVIDE AN ADEQUATE GRAVITY DRAINAGE SYSTEM TO DAYLIGHT. IF NOT POSSIBLE, PROVIDE AN ADEQUATELY SIZED SUMP PUMP SYSTEM AND ELECTRICAL SUPPLY. DRAIN MAY BE FITTED IN SIDE PROVIDED IT COMPLETELY DRAINS.
- THE WATER LINE SHALL BE TESTED, DISINFECTED AND FLUSHED PRIOR TO INSTALLING THE BACKFLOW ASSEMBLY.
- ALL ENCLOSURES SHALL BE APPROVED PRIOR TO INSTALLATION.
- ALL PIPE, VALVES, AND FITTINGS FROM SUPPLY MAIN SHALL BE FLANGED OR FULLY RESTRAINED.
- ALL FASTENERS SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL.
- THE BACKFLOW ASSEMBLY SHALL BE TESTED AFTER INSTALLATION AND PRIOR TO ACCEPTANCE AND ALSO ANNUALLY THEREAFTER BY A CERTIFIED BACKFLOW ASSEMBLY TESTER. TEST RESULTS SHALL BE SUBMITTED TO THE CITY OF BAINBRIDGE ISLAND, PUBLIC WORKS DEPARTMENT, OPERATIONS & MAINTENANCE DIVISION.
- TAMPER SWITCHES SHALL BE INSTALLED ON GATE VALVES AND CONNECTED TO BUILDING FIRE ALARM SYSTEM.
- MAINTAIN MINIMUM 24" CLEARANCE ON ALL SIDES AROUND THE BACKFLOW PREVENTER, EXCEPT AS SHOWN.
- GROUT ALL VAULT PENETRATIONS WITH WATERTIGHT GROUT INSIDE & OUTSIDE. BURY ALL RESTRAINING RODS MIN. 2" DEEP.
- PROVIDE ASSEMBLY AS A SINGLE MANUFACTURED UNIT.
- PROVIDE AN ADEQUATE GRAVITY DRAINAGE SYSTEM TO DAYLIGHT. IF NOT POSSIBLE, PROVIDE AN ADEQUATELY SIZED SUMP PUMP SYSTEM AND ELECTRICAL SUPPLY. DRAIN MAY BE IN VAULT CORNER.



**CITY OF BAINBRIDGE ISLAND  
STANDARD DETAILS**

**UNDERGROUND - WITH UPSTREAM METER  
DOUBLE CHECK VALVE ASSEMBLY  
2 1/2" AND LARGER**

REV.   
CITY ENGINEER

203-01-08  
DATE

DWG. NO.  
10-162