


MATERIALS:

- ① WASHINGTON STATE APPROVED ASSEMBLY.
- ② PRECAST CONCRETE VAULT WITHOUT BOTTOM (UTILITY VAULT CO. OR APPROVED EQUAL, WITH MINIMUM 3'-0" X 6'-0", POURED IN PLACE, CYLINDER ASSISTED, DOUBLE DOOR, LOCKABLE, ALUMINUM HATCH. (BILCO OR APPROVED EQUAL) RATED H-20.
- ③ SOLID DUCTILE IRON SLEEVE (MJ X MJ)
- ④ LADDER PER CITY STANDARD "VAULT LADDER" DETAIL.
- ⑤ CLASS 52, CEMENT LINED, DUCTILE IRON PIPE
- ⑥ STEEL, ADJUSTABLE, PIPE STANCHION HOT DIPPED GALVANIZED AS APPROVED BY THE ENGINEER
- ⑦ 16" X 16" X 8" SOLID CONCRETE BLOCK
- ⑧ 1 1/2" WASHED DRAIN ROCK
- ⑨ FOR FIRE SERVICE DOUBLE DETECTOR VALVE ASSEMBLY A DETECTOR METER WILL BE INSTALLED.

NOTES:

- 1. THE ASSEMBLY MUST BE ON THE MOST RECENT WA. STATE D.O.H. APPROVED ASSEMBLY LIST. THE ASSEMBLY WILL INCLUDE (2) RESILIENT SEAT OS&Y GATE VALVES (FL X MJ) ALONG WITH (4) TEST COCKS (WITH PLUGS). THE TEST COCKS WILL FACE THE LADDER OR POINT UP AS SHOWN. ONCE INSTALLED, THE ASSEMBLY MUST BE INSPECTED AND TESTED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER, AND TEST RESULTS SENT TO THE CITY CROSS CONNECTION CONTROL SPECIALIST. THEREAFTER IT SHALL BE INSPECTED AND TESTED ANNUALLY AND WHEN MOVED OR REPAIRED.
- 2. ALL WORK PERFORMED WILL MEET MANUFACTURER'S RECOMMENDATIONS, CROSS CONNECTION CONTROL STANDARDS, AND MOST RECENT LOCAL AND STATE PLUMBING CODES.
- 3. MEGA-LUGS ARE REQUIRED ON ALL MECHANICAL JOINT (MJ) CONNECTIONS. ADDITIONAL THRUST BLOCKING MAY BE REQUIRED TO RESTRAIN ASSEMBLY. IF SO, THRUST BLOCKING WILL BE DESIGNED BY A LICENSED ENGINEER AND SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL, PRIOR TO CONSTRUCTION.
- 4. ALL PENETRATIONS IN VAULT SHALL BE GROUTED WATER TIGHT WITH NON-SHRINK GROUT.
- 5. WHEN INSTALLING A DCDA A 5/8" X 3/4" SEMSUS METER AND RADIO READ MXU SYSTEM WILL BE PURCHASED BY THE CONTRACTOR AND INSTALLED BY CITY FORCES.
- 6. ASSEMBLY WILL NOT BE PAINTED.

 City of Bremerton <hr style="width: 50%; margin: 0 auto;"/> PUBLIC WORKS <hr style="width: 50%; margin: 0 auto;"/> DESIGN/CONSTRUCTION STANDARDS	DOUBLE CHECK VALVE ASSEMBLY OR DOUBLE CHECK DETECTOR ASSEMBLY 2" TO 10" D.C.D.A./D.C.V.A. BELOW GROUND INSTALLATION	5035
	Alteration of this drawing is prohibited. Any approval of an altered drawing is unauthorized and void.	Revision Date 05/02/17