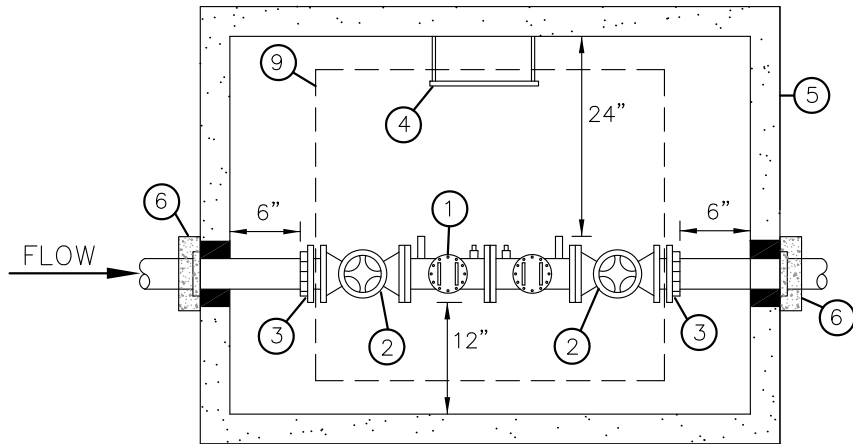
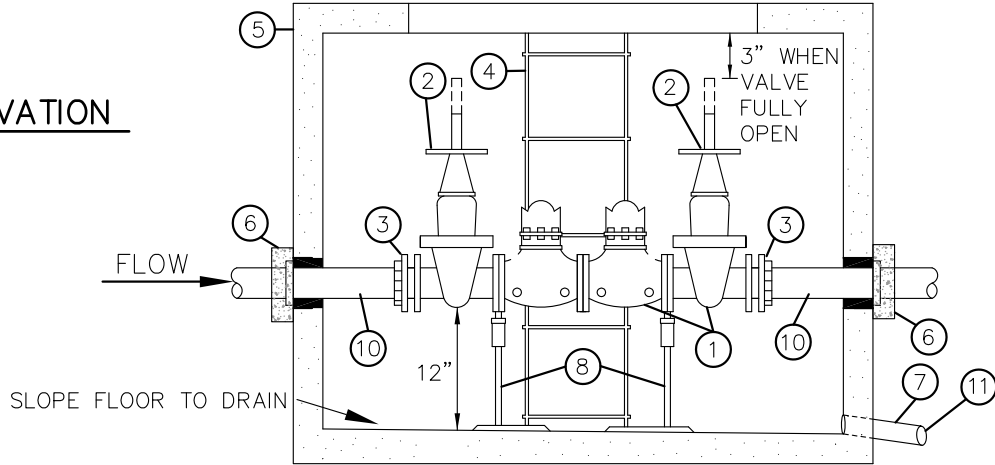


**PLAN**



**ELEVATION**



- ① STATE APPROVED DOUBLE CHECK VALVE ASSEMBLY, COMPLETE WITH (2) RESILIENT SEATED O.S.&Y. VALVES AND (4) RESILIENT SEATED TEST COCKS.
- ② EACH VALVE SHALL BE MARKED WITH MODEL NUMBER WITH DESIGNATION OF RESILIENT SEAT: SUCH AS "RS" OR "R", WHICH MUST BE CAST, MOLDED, OR AFFIXED ONTO THE BODY OR BONNET OF THE VALVE. ALL FERROUS BODIED VALVES SHALL BE COATED WITH A MINIMUM OF 4MLS. OF EPOXY OR EQUIVALENT POLYMERIZED COATING.
- ③ MEGAFLANGE
- ④ ONE GALVANIZED STEEL LADDER TO BE SECURED TO VAULT WITH LADDER-UP (BILCO MODEL LU-2). LADDER TO BE ATTACHED TO VAULT PER STANDARD DETAIL W-19.
- ⑤ CONCRETE VAULT WITH 2 LOCKING ALUMINUM LW HATCH DOORS (PART NO. HHD-36"x72"), RATED FOR H-30 LOADING WITH SLIP RESISTANT TREATMENT PER SECTION W4-17 OF THE ENGINEERING STANDARDS. COVER TO READ "WATER". VAULT SHALL BE EQUAL TO UTILITY VAULT CO. MODEL LISTED IN TABLE BELOW.
- ⑥ WATER TIGHT GROUT. RESTRAIN INLET/OUTLET PIPE WITH MEGALUG MID-SPAN RESTRAINT AND THRUST BLOCK ADJACENT TO VAULT SEE STANDARD DETAIL W-56.
- ⑦ DRAIN, SLOPE TO DAYLIGHT OR STORM DRAINAGE SYSTEM, MINIMUM DIAMETER 6".
- ⑧ TWO ADJUSTABLE PIPE STANCHIONS, BOLTED TO FLOOR.
- ⑨ ACCESS TO BE CENTERED OVER ASSEMBLY.
- ⑩ CL. 52 D.I., PEXFL WITH RETAINER GLANDS.
- ⑪ INSTALL WIRE MESH RODENT SCREEN OVER DRAIN OUTLET.

**NOTES:**

- 1. TESTING IS REQUIRED BY A WASHINGTON STATE DEPARTMENT OF HEALTH CERTIFIED BACKFLOW ASSEMBLY TESTER UPON INSTALLATION AND ANNUALLY THEREAFTER. ASSEMBLY TO BE MAINTAINED BY OWNER.
- 2. TEE AND GATE VALVES REQUIRED ON MAIN.
- 3. ALL CLEARANCES SHOWN ARE MINIMUM.
- 4. VAULTS SHALL NOT BE INSTALLED IN AREAS WITH VEHICULAR TRAFFIC.
- 5. IN CENTRAL BUSINESS DISTRICT, 3" THROUGH 6" ASSEMBLIES SHALL CONNECT TO WATER MAIN WITH 8" PIPE.
- 6. MINIMUM 2' OF LEVEL, UNOBSTRUCTED AREA AROUND HATCHES.

SIZE	MIN. VAULT SIZE (INSIDE)			UTIL. VAULT CO. MODEL	UTIL. VAULT CO. COVER *
	W	L	H		
3"	3'-8"	4'-8"	3'-3"	644-LA	64-2-332P
4"	3'-10"	5'-3"	3'-8"	575-LA	57TL-2-332P
6"	4'-0"	6'-6"	4'-5"	577-LA	57TL-20332P
8"	4'-5"	7'-8"	5'-3"	4484-LA	4484-TL2-332P
10"	4'-8"	8'-8"	6'-1"	5106-LA	5106-TL3-332

\* COVER MODIFIED PER NOTE ⑤.



**City of Bellevue**

**WATER UTILITY**

**TITLE**

3" TO 10" DOUBLE CHECK VALVE ASSEMBLY FOR DOMESTIC AND IRRIGATION SERVICES (OUTSIDE INSTALLATION)

No. **W-44**