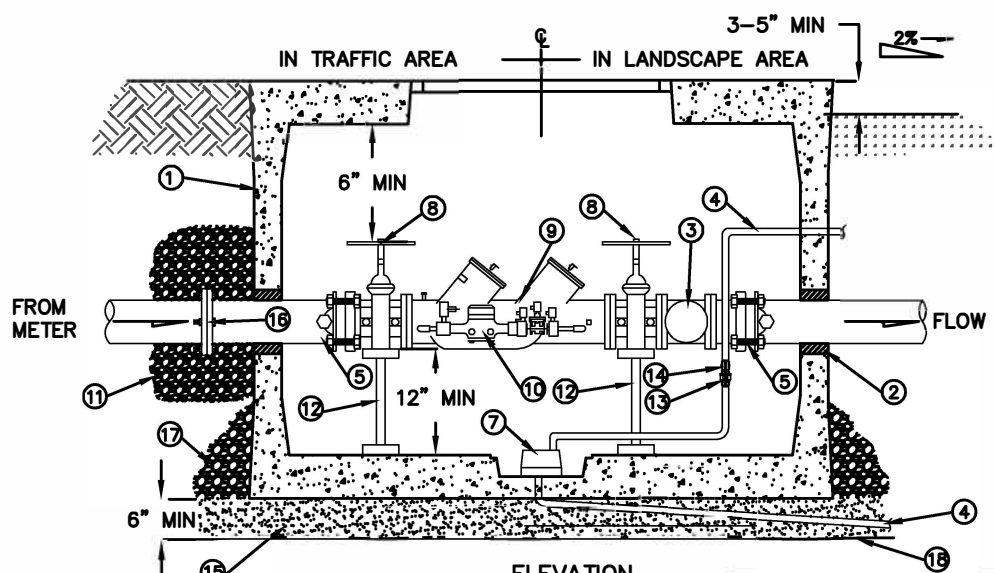


PLAN VIEW
N.T.S.



ELEVATION
N.T.S.

VAULT INFORMATION		
DCDA SIZE	OLD CASTLE VAULT NO.	DOOR MODEL NO.
4"	676-WA	676-T-2-332P
6"	687-WA	684-T-2-332P
8"	5106-WA	5106-3-T-2-332P
10"	5106-WA	5106-3-T-2-332P

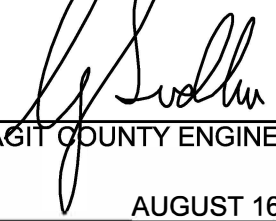
OR APPROVED EQUAL

MATERIALS:

- ① CONCRETE VAULT WITH ACCESS HATCH DOORS, H-20 LOADING.
- ② LINK SEAL. (TYP.)
- ③ FIRE DEPARTMENT CONNECTION PIPING.
- ④ GRAVITY DRAIN LINE OR SUMP PUMP DISCHARGE LINE.
- ⑤ RESTRAINED FLANGE COUPLING ADAPTER.
- ⑥ CHECK VALVE.
- ⑦ GRAVITY DRAIN OR SUMP & PUMP.
- ⑧ ISOLATION VALVE FLxFL.
- ⑨ DOUBLE CHECK DETECTOR ASSEMBLY.
- ⑩ BYPASS METER & BYPASS DCVA.
- ⑪ CONCRETE THRUST RESTRAINING.
- ⑫ PIPE SUPPORT - RUST RESISTANT.
- ⑬ ISOLATION BALL VALVE.
- ⑭ INLINE CHECK VALVE.
- ⑮ 6" COMPACTED CLASS B BACKFILL MINIMUM (WSDOT)
- ⑯ FLxFL CONNECTION POURED IN CONCRETE.
- ⑰ CONCRETE BALLAST.
- ⑱ GEOTEXTILE SEPARATION FABRIC.
- ⑳ OSHA APPROVED LADDER.

GENERAL NOTES:

1. BACKFLOW ASSEMBLY MUST BE SELECTED FROM THE CURRENT WASHINGTON STATE APPROVED LIST OF ASSEMBLIES AND INSTALLED IN THE MANNER WHICH IT IS APPROVED. NO MODIFICATION TO ASSEMBLY IS ALLOWED.
2. THE DCDA IS TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISTRICT'S SERVICE CONNECTION, FINAL LOCATION TO BE APPROVED BY THE DISTRICT.
3. HATCH LID DRAIN CHANNEL TO DRAIN TO DAYLIGHT.
4. ENGINEER RESPONSIBLE TO ENSURE ADEQUATE BALLAST IS PROVIDED TO PREVENT FLOATING OF VAULT.
5. SUMP PUMP SHALL BE WIRED PER WASHINGTON STATE ELECTRICAL CODE AND ELECTRICAL PERMIT REQUIRED. THE DISCHARGE PIPE SHALL BE CONNECTED TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
6. BRASS PLUGS TO BE INSTALLED IN THE TEST COCKS, TEST COCKS MUST BE INSTALLED FACING UP OR TO ONE SIDE.
7. DISTRICT TO SUPPLY AND INSTALL BADGER RECORD-ALL BY-PASS METER.
8. CUSTOMER RESPONSIBLE FOR TYPE III SERVICE FEE TO INSTALL BADGER RECORD-ALL BY-PASS METER.
9. INSTALLATION TO BE INSPECTED BY THE DISTRICT INSPECTOR. IF INSTALLATION DOES NOT MEET DISTRICT REQUIREMENTS, CORRECTIONS MUST BE COMPLETED BEFORE CUSTOMER MAY BEGIN OR CONTINUE WATER USAGE.
10. OWNER RESPONSIBLE FOR INITIAL (UPON INSTALLATION) AND SUBSEQUENT ANNUAL TESTS. MUST BE PERFORMED BY A WASHINGTON STATE CERTIFIED BACKFLOW ASSEMBLY TESTER. (LIST AVAILABLE UPON REQUEST)
11. THE DISTRICT REQUIRES COPIES OF ALL TEST(S) OF REQUIRED BACKFLOW PREVENTION ASSEMBLIES BEFORE WATER USAGE MAY BEGIN OR CONTINUE.


 PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER
 APPROVED ON: AUGUST 16, 2016



**STANDARD INSTALLATION OF
DOUBLE CHECK DETECTOR ASSEMBLY**

SCALE: N.T.S.
DATE: 7/19/16
REVISED: 8/17/16
DRAWN BY: JLB
APPROVED BY: GJS

STANDARD
WDCDA-1