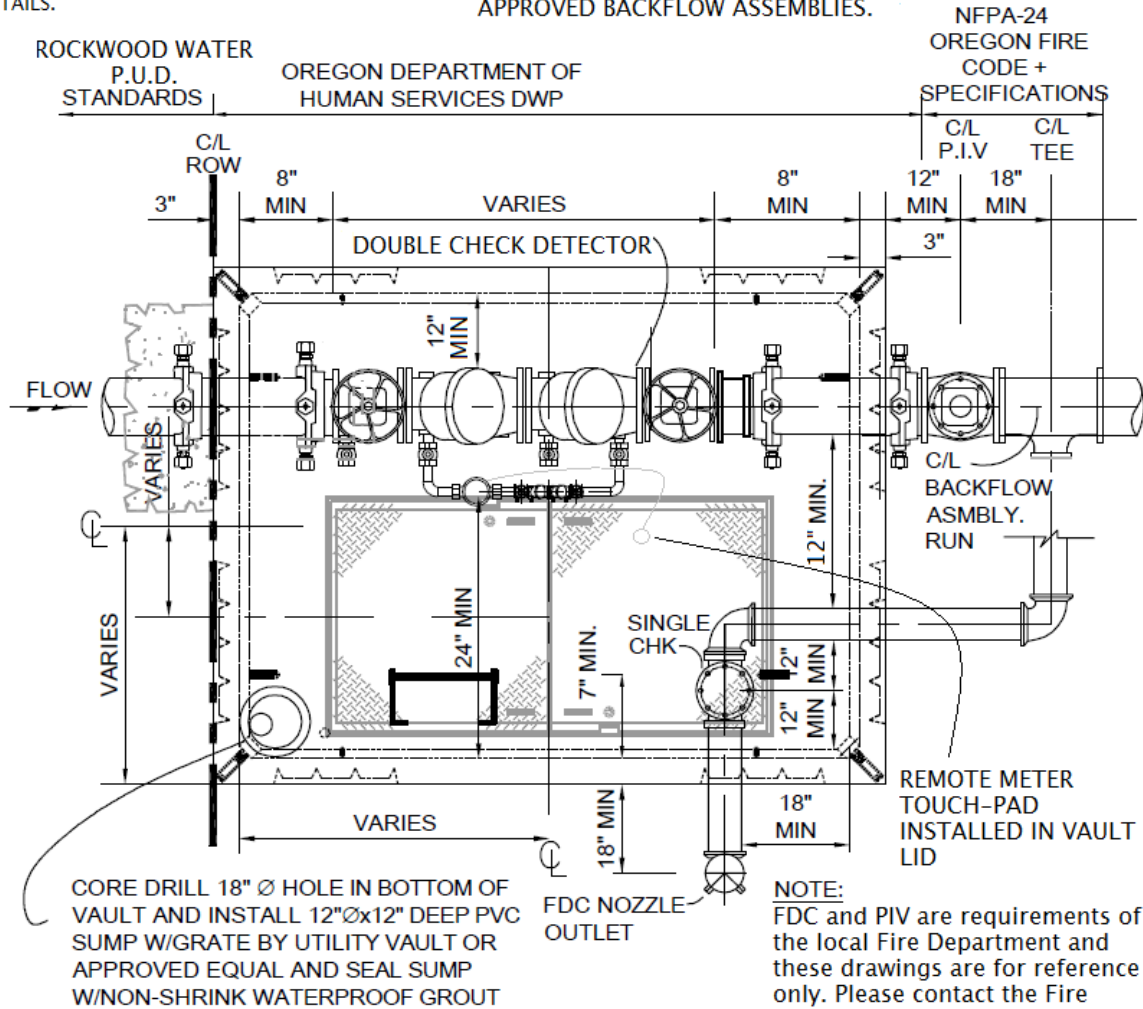


NOTES:

BACK FLOW VAULT		
SIZE	VAULT WITH FDC *	VAULT W/O FDC *
3	676-LA	577-LA
4	676-LA	577-LA
6	676-LA	676-LA
8	687-LA	687-LA
10	5106-LA	5106-LA

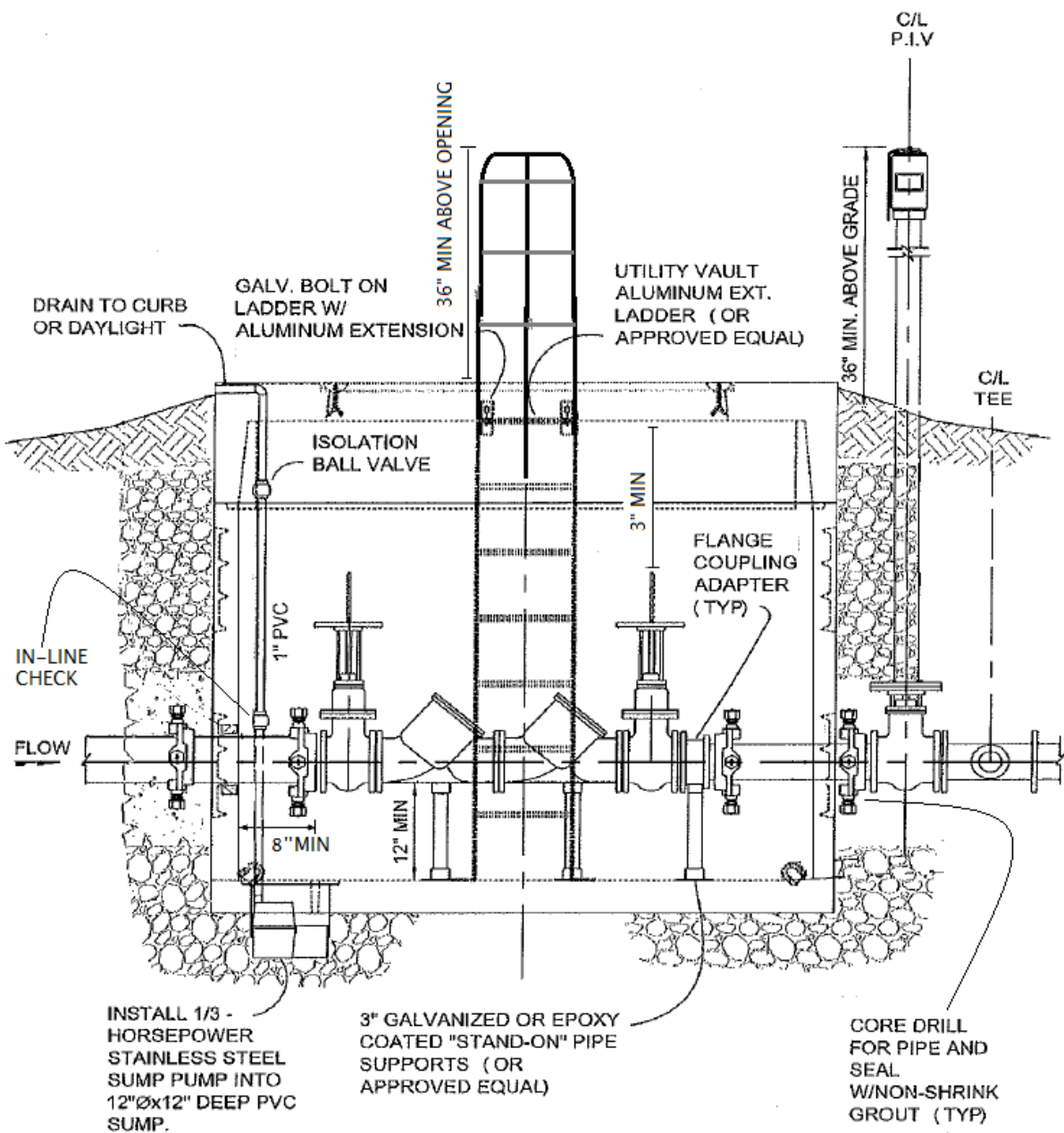
* VAULT LIDS SHALL BE DOUBLE DOOR CENTER OFF-SET UNLESS A TRAFFIC RATING IS REQUIRED. PLEASE CONTACT RWPUD FOR DETAILS.

1. CONTRACTOR TO SEAL ALL OPENINGS IN VAULT WITH NON-SHRINK GROUT.
2. CONTRACTOR TO INSTALL CONCRETE BALLAST 3 CU YDS MIN. AROUND BASE OF VAULT WHERE FLOODING OR HIGH GROUND WATER EXIST.
3. CLEARANCE BETWEEN WALL AND DEVICE. FLANGE 8" MIN.
4. THRUST BLOCK 1'-0" MIN THICKNESS
5. DETECTOR METER TO READ IN CUBIC FEET. METER TO BE A NEPTUNE BRAND, MODEL T-10 W/ REMOTE TOUCH-PAD READER.
6. COAT ALL OUTSIDE CONC SURFACES OF VAULT W/CRYSTAL SEAL OR APPROVED EQUAL
7. DCDA MUST BE ON THE STATES LIST OF APPROVED BACKFLOW ASSEMBLIES.



DOUBLE CHECK DETECTOR ASSEMBLY

DRAWN	N.T.S
DATE	2015
APPR.	
DWG. NO.	SD-35A



DRAIN TO CURB OR DAYLIGHT

GALV. BOLT ON LADDER W/ ALUMINUM EXTENSION

36" MIN ABOVE OPENING

UTILITY VAULT ALUMINUM EXT. LADDER (OR APPROVED EQUAL)

C/L P.I.V.

36" MIN. ABOVE GRADE

C/L TEE

ISOLATION BALL VALVE

3" MIN
FLANGE COUPLING ADAPTER (TYP)

IN-LINE CHECK

FLOW

1" PVC

8" MIN

12" MIN

INSTALL 1/3 - HORSEPOWER STAINLESS STEEL SUMP PUMP INTO 12"Øx12" DEEP PVC SUMP.

3" GALVANIZED OR EPOXY COATED "STAND-ON" PIPE SUPPORTS (OR APPROVED EQUAL)

CORE DRILL FOR PIPE AND SEAL W/NON-SHRINK GROUT (TYP)

ELEVATION



**DOUBLE CHECK
DETECTOR ASSEMBLY**

SCALE	N.T.S.
DATE	2015
APPR.	
DWG. NO.	SD-35B

Fire Line Backflow Vault Specifications to be used with SD-35

- All backflow vaults/enclosures require pre-construction plan review. Please submit a set of plans to Rockwood Water PUD for review before construction.
- **Please review the Rockwood Water PUD Implementations and Regulations document before proceeding with any backflow assembly install in Rockwood Water PUD's service area. The document is available on-line and can be requested at our office.**
- Dedicated fire service backflow assemblies are required to be installed in a utility vault below grade at the property line.
- Only pre-cast vaults (Utility Vault or equivalent) that accommodate the installation criteria will be accepted.
- Utility vaults are to be installed in accordance with the manufacturers recommended installation requirements.
- Backflow assemblies shall not be installed in locations subject to continuous immersion.
- All enclosures must be provided with adequate sump pumps. Use of the precast center sump is approved unless adequate clearances cannot be achieved for proper sump operation. In this case an additional sump must be core drilled.
- Sump pumps may **not** be connected directly to sewers or catch basins.
- Sump piping to daylight must include an inline check valve

Double Check Detector Assembly (DCDA) Sizing Chart		
Size	Vault	Lid
2.5"	660LA	64-332P
3" & 4"	577LA	57-T-2-332P
6"	676WA	676-1-T-2-332P
8"	687WA	687-T-2-332P
10"	5106WA	5106-3-T-3-332P

- Vault lid shall be double door Utility Vault or equivalent except 2.5" installations where a single door is approved.
- Detector meter to read in cubic feet. The detector meter shall be a Neptune T-10 with remote touch pad to be mounted in the vault lid. When a steel man-hole cover must be used in high traffic areas an adjacent meter box shall be installed to house the touch pad.
- A (Utility Vault Pull-Up Extension or equivalent) rigidly mounted galvanized ladder with aluminum extension to extend no less than 3' above the vault lid is required if the vault or chamber is 4' or greater in depth. The ladder shall be mounted vertically in the entryway of the vault or chamber and be securely anchored at top and bottom. The top and bottom rungs must be within 12" of the opening and floor, respectively. All rungs must have at least 7" of toe clearance. The ladder shall be installed to allow for adequate room for testing and maintenance of the backflow assembly.
- All piping must be restrained as called out in the approved plans.
- A minimum 2' of plain end pipe shall be stubbed to the public right of way for Rockwood Water connection. Rockwood Water will restrain public right-of-way connection fittings. If a straddle block is required per the plans, the contractor is responsible for the straddle block installation.
- Vault interior clearances for all backflow assemblies 2.5 inches and larger are per the standard detail.
- If the fire service piping has additional service taps in the public right-of-way, an isolation valve before the fire line vault at the property line will be required.
- A moisture-proof light fixture will be required if adequate lighting is not available.
- When a tamper switch and/or FDC is required, it shall be installed per the Fire Department's requirements.
- At least 6' of vertical headroom is required in all vault installations. Full opening double doors can be used to obtain the 6' requirement but must encompass the entire lay-length of the valve and must not encroach on required ladder clearances.
- All pipe and conduit openings shall be sealed water tight with non-shrink grout.
- All backflow assembly vaults and enclosures shall be kept free of any debris, objects that interfere with these installation requirements.
- Vaults and enclosures shall not contain loose fill materials of any kind and shall be clean upon construction completion.
- Backflow tests shall be completed by the contractor before permanent water service is granted.
- Initial install backflow reports shall be submitted to Rockwood Water within 10 days of testing.
- Contractor to request final inspection from Rockwood Water before permanent water service is granted.