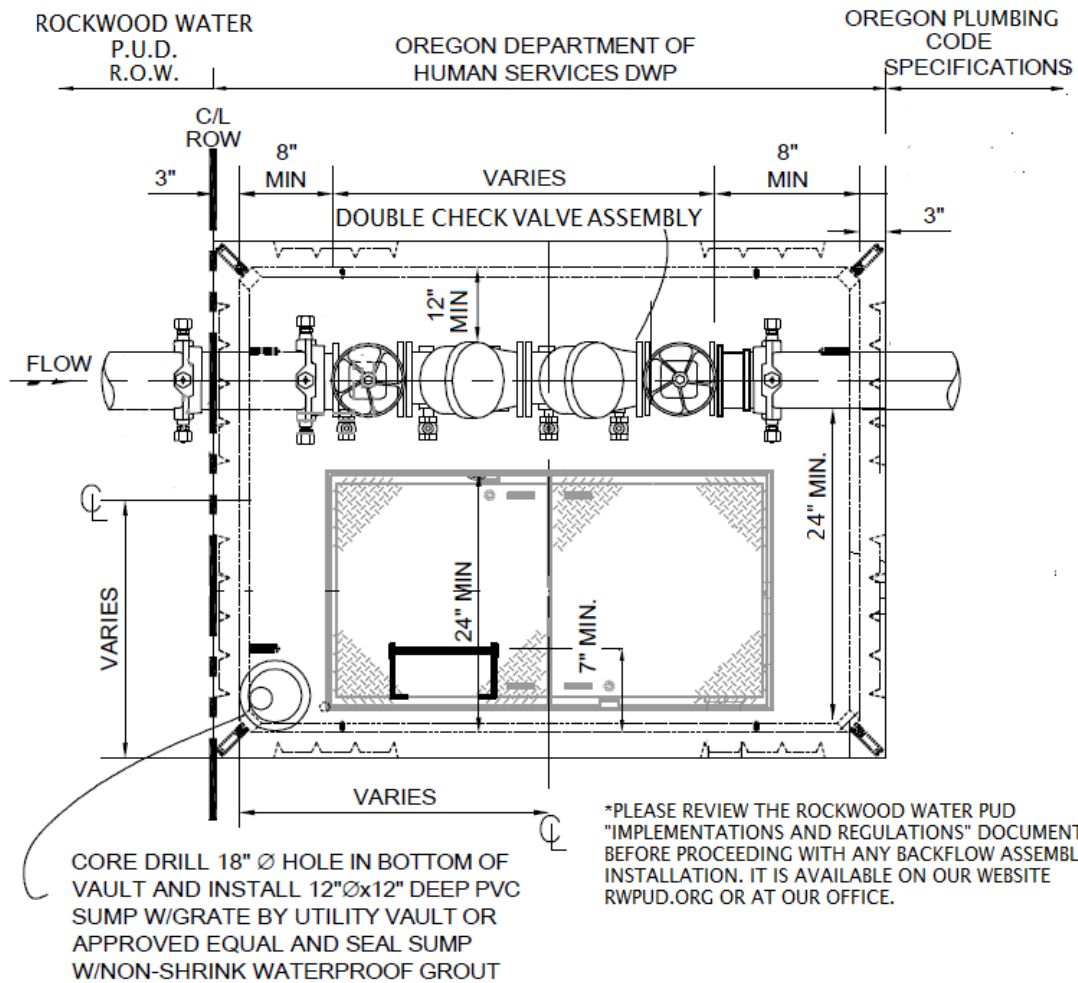


BACK FLOW VAULT	
SIZE	VAULT
3	577-LA
4	577-LA
6	676-LA
8	687-LA
10	5106-LA

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

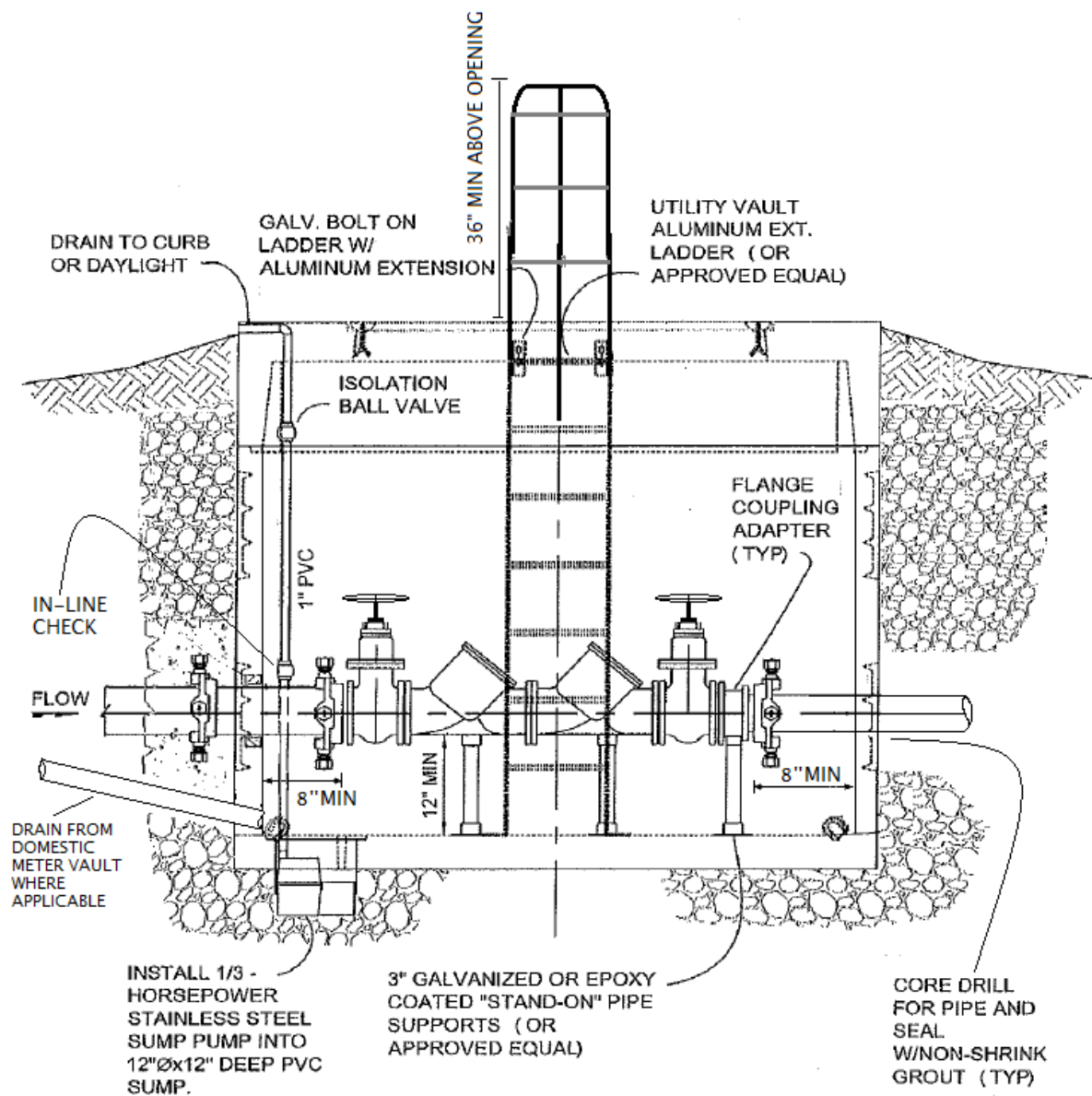
**NOTES:**

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. COAT ALL OUTSIDE CONC SURFACES OF VAULT W/CRYSTAL SEAL OR APPROVED EQUAL
5. DCVA MUST BE ON THE STATES LIST OF APPROVED BACKFLOW ASSEMBLIES.
6. WHEN A SERVICE IS A COMBINATION DOMESTIC/FIRE SERVICE ADDITIONAL FIRE DEPARTMENT REQUIREMENTS MAY APPLY.



## 2.5" AND LARGER DOMESTIC DOUBLE CHECK VALVE ASSEMBLY

DRAWN	N.T.S
DATE	2015
APPR.	
DWG. NO.	SD-37



ELEVATION



## 2.5" & LARGER DOUBLE CHECK VALVE ASSEMBLY

SCALE	N.T.S.
DATE	2015
APPR.	
DWG. NO.	SD-37



**Rockwood Water**  
People's Utility District

19601 NE Halsey Street  
Portland, OR 97230-7430  
503-665-4179 - Phone  
503-667-5108 - Fax  
[www.rwpud.org](http://www.rwpud.org)

## Backflow Vault/Enclosure Specifications to be used with SD-37

- 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.**
- Below grade premises isolation backflow assemblies 2.5 inches and larger are required to be installed in a utility vault at the property line.
- Only pre-cast vaults (Utility Vault or equivalent) that accommodate the installation criteria will be accepted.
- Backflow assemblies shall not be installed in locations subject to continuous immersion. All enclosures must be provided with adequate sump pumps.
- Sump pumps may **not** be connected directly to sewers or catch basins.
- Premises isolating backflow assembly vaults are required to be installed directly behind the water meter at the property line.
- All commercial/industrial water services require backflow protection at the property line.
- All services 1.5" and larger require backflow protection at the property line.
- All dedicated fire services require backflow protection at the property line.
- When a large meter vault is located directly adjacent to a below grade backflow assembly vault the large meter vault is permitted to drain by gravity from the large meter vault to the backflow vault where all drainage will be pumped out via a sump pump per SD-37.
- Double Check Valve vault sizing to correspond with SD-37 clearances:

DCVA/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 Utility Vault or equivalent. When available use Center-Offset frame and cover lids to allow for necessary ladder clearances.
- 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 not infringe on the installation clearances of the backflow assembly (SD-37).
- A moisture-proof light fixture will be required if adequate lighting is not available.
- At least 6' of vertical headroom is required in all vaults, and/or below grade 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.
- Coat all outside concrete surfaces with Crystal Seal or approved equal