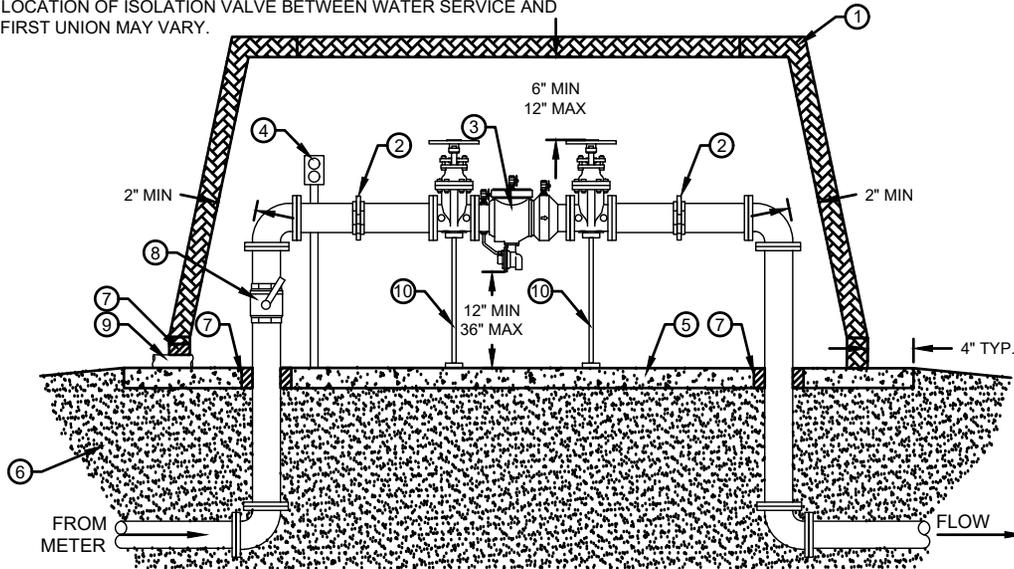


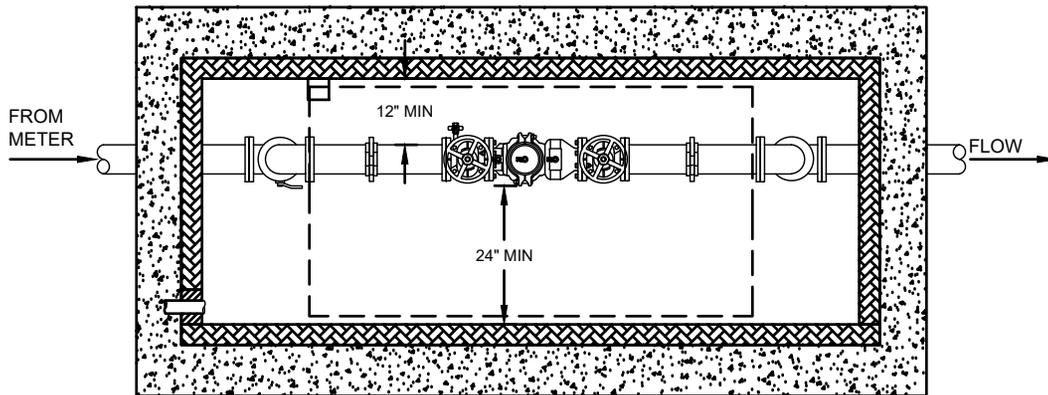
BILL OF MATERIALS

| NO. | NOMENCLATURE | REQ'D | NO. | NOMENCLATURE | REQ'D |
|-----|---|-------|-----|---|-------|
| 1. | INSULATED HEATED ENCLOSURE | 1 | 5. | CONCRETE PAD - 4" THICK | 1 |
| 2. | UNION | 2 | 6. | COMPACTED CLASS B FILL - (WSDOT) | |
| 3. | REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) INCLUDES SHUTOFF VALVES 1 & 2 | 1 | 7. | SEPARATION MEMBRANE WRAP OR PVC SLEEVE | 3 |
| 4. | ELECTRICAL OUTLET & CONDUIT w/ GFI BREAKER IN PANEL. BOTTOM OF OUTLET MUST BE ABOVE RELIEF VALVE. | 1 | 8. | ISOLATION VALVE, TYPE SIZE DEPENDANT ^a | 1 |
| | | | 9. | DRAIN | 1 |
| | | | 10. | PIPE SUPPORT | 2 |

^a LOCATION OF ISOLATION VALVE BETWEEN WATER SERVICE AND FIRST UNION MAY VARY.



ELEVATION
N.T.S.



PLAN VIEW
N.T.S.

NOTES

THESE ARE GENERAL REQUIREMENTS. ADDITIONAL SPECIFICATION MAY BE REQUIRED TO ENSURE ADEQUATE ACCESS AND PROPER OPERATION OF ALL ASSEMBLIES. ALL INSTALLATIONS SUBJECT TO APPROVAL OF SKAGIT PUD.

- ALL ASSEMBLIES MUST BE ON THE CURRENT WASHINGTON STATE DEPARTMENT OF HEALTH APPROVED BACKFLOW ASSEMBLY LIST AND IN COMPLIANCE WITH THE LEAD-FREE REQUIREMENTS OF THE SAFE DRINKING WATER ACT.
- ASSEMBLY MUST BE PURCHASED AND INSTALLED AS A COMPLETE UNIT IN THE MANNER FOR WHICH IT IS APPROVED. ASSEMBLIES MUST HAVE TEST COCKS FACING UP WITH PLUGS/CAPS INSTALLED ON ALL TEST COCKS.
- PIPING AND MATERIAL SHALL COMPLY WITH PLUMBING CODES AND OTHER MUNICIPAL REQUIREMENTS.
- BACKFLOW PREVENTION AT THE SERVICE CONNECTION IS REQUIRED FOR NON-RESIDENTIAL, AGRICULTURAL, IRRIGATION, LARGE-SIZED PARCELS, PROPERTIES WITH EXISTING WELLS, BOOSTER/SEWER PUMPS, AND IN OTHER SITUATIONS AS DESCRIBED IN SKAGIT PUD'S CROSS-CONNECTION CONTROL POLICY MANUAL. ASSEMBLY SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF METERED WATER SERVICE CONNECTION. ALTERNATIVE LOCATIONS MUST BE PRE-APPROVED BY SKAGIT PUD.
- RECEPTACLE & ELECTRICAL CONDUIT TO CONFORM WITH APPLICABLE ELECTRICAL CODES AND PERMITS. BOTTOM OF OUTLET MUST BE ABOVE RELIEF VALVE.
- REQUIRED SEPARATION BETWEEN CONCRETE PAD (5) AND METER BOX IS 24"±12". AN ASSEMBLY INSTALLED MORE THAN 5' ABOVE FLOOR OR GROUND LEVEL MUST HAVE A PERMANENT PLATFORM INSTALLED TO FACILITATE TESTING MAINTENANCE. THE PLATFORM MUST COMPLY WITH ALL APPLICABLE SAFETY STANDARDS AND CODES IN EFFECT.
- SOLID CONCRETE SLAB MUST BE SET AT OR ABOVE SURROUNDING FINISHED GRADE, WITH POSITIVE DRAINAGE AWAY FROM THE SLAB.
- SIZING OF ENCLOSURE TO MAINTAIN MINIMUM CLEARANCES AT ALL TIMES IS THE RESPONSIBILITY OF THE OWNER.
- ENCLOSURES MUST PROVIDE ADEQUATE PROTECTION FROM FREEZING AND OTHER DAMAGE. ELECTRICAL COMPONENTS & HEATING OPTIONS RECOMMENDED NOT REQUIRED.
- ENCLOSURES MUST HAVE DRAIN ADEQUATELY SIZED AND SCREENED TO PASS MAXIMUM FLOW OF THE RELIEF VALVE.
- ENCLOSURES TO BE ANCHORED TO CONCRETE PAD & INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
- ALL ASSEMBLIES ARE REQUIRED TO BE TESTED BY A WASHINGTON STATE CERTIFIED TESTER UPON INSTALLATION AND ANNUALLY THEREAFTER. IN ADDITION, ASSEMBLIES MUST BE TESTED AFTER REPAIRS, RELOCATION, REINSTALLATION AND AFTER A BACKFLOW INCIDENT.
- BEFORE WATER USAGE MAY BEGIN AND/OR CONTINUE, COPIES OF PASSING BACKFLOW PREVENTION TESTS MUST BE RECEIVED BY SKAGIT PUD.


 PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER

APPROVED ON: JANUARY 31 , 2024



**STANDARD INSTALLATION OF LARGE DIAMETER
2-1/2" AND LARGER REDUCED PRESSURE
BACKFLOW ASSEMBLY**

| |
|------------------|
| SCALE: NONE |
| DATE: 7/19/16 |
| REVISED: 1/31/24 |
| DRAWN BY: JLB |
| APPROVED BY: MCH |

STANDARD
RPBA-2