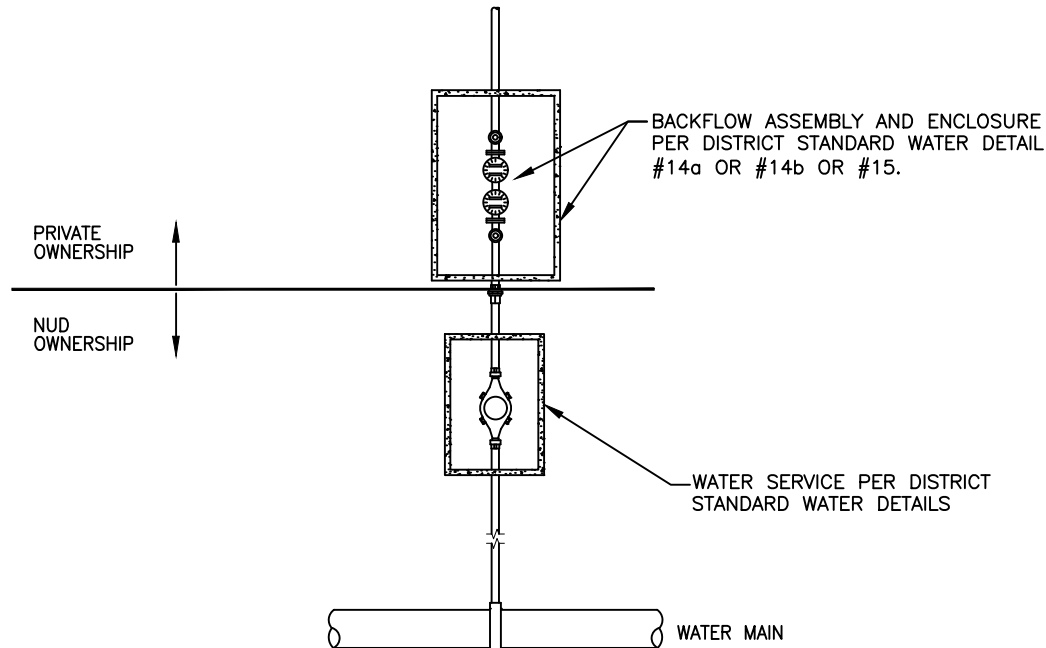




PLAN

NOTES :

1. INSTALLATION OF BACKFLOW ASSEMBLIES ARE TO PROTECT THE PUBLIC WATER SYSTEM AND SHALL BE INSTALLED IF ANY OF THE FOLLOWING EXIST:
 - IRRIGATION SYSTEMS
 - NON-FLOW THROUGH FIRE SPRINKLER SYSTEMS
 - IF THE STRUCTURE IS 3 ASCENDING FLOORS
 - OR AS DETERMINED BY THE DISTRICT
 2. THE PREMISE ISOLATION BACKFLOW ASSEMBLY USED, EITHER A DOUBLE CHECK VALVE ASSEMBLY (DCVA) OR REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA), SHALL MEET WAC 246-290-490 "CROSS-CONNECTION CONTROL" AND BE AN APPROVED BACKFLOW ASSEMBLY AS SHOWN ON THE WASHINGTON STATE APPROVAL LISTING.
 3. THE BACKFLOW ASSEMBLY SHALL BE INSTALLED IMMEDIATELY BEHIND THE WATER METER, WITH NO MORE THAN 1'-2' BETWEEN BOXES. INSTALLATION OF THE BACKFLOW ASSEMBLY INTERNAL TO THE BUILDING WILL NOT BE ALLOWED. THE MINIMUM LEVEL OF PROTECTION AT METER SHALL BE EQUIVALENT TO OR EXCEED THE HIGHEST LEVEL OF PROTECTION REQUIRED INSIDE THE BUILDING.
 4. FOLLOWING THE INSTALLATION OF THE WATER METER, THE DISTRICT WILL LEAVE THE WATER SERVICE PADLOCKED UNTIL NOTIFIED 24 HOURS IN ADVANCE BY THE OWNER/ INSTALLER THAT THE BACKFLOW ASSEMBLY IS READY TO BE TESTED. AFTER THE 24 HOUR UNLOCK FOR BACKFLOW TESTING, THE DISTRICT WILL RE-LOCK THE WATER SERVICE UNLESS A PASSING BACKFLOW TEST IS RECEIVED BY THE DISTRICT.
 5. THE BACKFLOW ASSEMBLY TEST SHALL BE PERFORMED BY A CERTIFIED WASHINGTON STATE BACKFLOW ASSEMBLY TESTER. FOR A LIST OF CERTIFIED TESTERS, PLEASE VISIT [HTTPS://WCS.GREENRIVER.EDU/BAT/HIRE-A-BAT/](https://wcs.greenriver.edu/bat/hire-a-bat/) AND USE THE DROP DOWN LIST UNDER "VIEW THE HIRE A BAT LIST".
- FOR ALL NEWLY INSTALLED ASSEMBLIES, A DIGITAL COPY OF THE TEST REPORT SHALL BE SUBMITTED DIRECTLY TO NORTHSORE UTILITY DISTRICT AT BACKFLOW@NUD.NET.
6. THE BACKFLOW ASSEMBLY IS TO BE TESTED AND A REPORT SUBMITTED TO THE DISTRICT:
 - AT INSTALLATION
 - ANNUALLY
 - AFTER ANY REPAIR
 - AFTER ANY FAILED REPORT
 - AFTER ANY RELOCATION OF THE BACKFLOW ASSEMBLY
 7. FOR ALL PROPERTIES REQUIRING FIRE SPRINKLERS, THE APPLICANT'S FIRE PROTECTION SYSTEM DESIGNER SHALL SIZE THE WATER METER AND WATER SERVICE SUPPLY LINES. FLOW THROUGH SYSTEMS DO NOT REQUIRE PREMISE ISOLATION BUT MUST USE POTABLE WATER/NSF RATED MATERIALS AND TERMINATE AT THE FURTHEST REGULARLY USED FIXTURE.
 8. FOR ALL PROPERTIES REQUIRING IRRIGATION SYSTEMS, THE APPLICANT'S IRRIGATION SYSTEM DESIGNER SHALL SIZE THE WATER METER AND WATER SERVICE SUPPLY LINES.

PREMISE ISOLATION

NOT TO SCALE

DETAIL APPROVALS

EDITOR TMC

ENG. DIR. CF

NORTHSORE UTILITY DISTRICT

2025 STANDARD WATER DETAILS

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LAST UPDATED
MAY 2025