



**PLAN**

**NOTES :**

1. INSTALLATION OF BACKFLOW ASSEMBLIES ARE TO PROTECT THE PUBLIC WATER SYSTEM AND SHALL BE INSTALLED IF ANY OF THE FOLLOWING ARE MET:
  - IRRIGATION SYSTEMS
  - NON-FLOW THROUGH FIRE SPRINKLER SYSTEMS
  - WHEN THE ELEVATION BETWEEN THE METER AND HIGHEST FIXTURE EXCEEDS 30 FEET, OR IF THE STRUCTURE IS 3 ASCENDING FLOORS, WHICHEVER IS LESS.
  - OR AS DETERMINED BY THE DISTRICT.
2. 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.
3. FOR ALL PROPERTIES REQUIRING IRRIGATION SYSTEMS, THE APPLICANT’S IRRIGATION SYSTEM DESIGNER SHALL SIZE THE WATER METER AND WATER SERVICE SUPPLY LINES.
4. THE PREMISE ISOLATION BACKFLOW ASSEMBLY USED, EITHER A DOUBLE CHECK VALVE ASSEMBLY OR REDUCED PRESSURE BACKFLOW ASSEMBLY (BACKFLOW ASSEMBLY), SHALL MEET WAC 246-290-490 "CROSS-CONNECTION CONTROL" AND BE AN APPROVED ASSEMBLY AS SHOWN ON THE WASHINGTON STATE APPROVAL LISTING.
5. THE BACKFLOW ASSEMBLY SHALL BE INSTALLED IMMEDIATELY BEHIND THE WATER METER. INSTALLATION OF THE BACKFLOW ASSEMBLY INTERNAL TO THE BUILDING WILL NOT BE ALLOWED.
6. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT INSTALLATION AND ANNUALLY THEREAFTER. THE TEST SHALL BE PERFORMED BY A CERTIFIED WASHINGTON STATE BACKFLOW ASSEMBLY TESTER. FOR A LIST OF CERTIFIED TESTERS, PLEASE VISIT OUR WEBSITE AT [WWW.NUD.NET/INFORMATION/CROSS-CONNECTION-BACKFLOW-PREVENTION](http://WWW.NUD.NET/INFORMATION/CROSS-CONNECTION-BACKFLOW-PREVENTION) AND SEE THE FAQ AT THE BOTTOM OF THE PAGE, "WHO CAN TEST MY BACKFLOW ASSEMBLY?". A COPY OF THE TEST REPORT SHALL BE SUBMITTED BY THE BACKFLOW ASSEMBLY TESTER TO THE FOLLOWING WEB ADDRESS:  
  
[HTTPS://NORTHSHOREWA.C3SWIFT.COM](https://NORTHSHOREWA.C3SWIFT.COM)
7. FOLLOWING INSTALLATION OF THE WATER METER, THE DISTRICT WILL PADLOCK THE METER UNTIL NOTIFIED 24 HOURS IN ADVANCE BY THE OWNER/ INSTALLER THAT THE BACKFLOW ASSEMBLY IS READY TO TEST. UPON RECEIPT OF THE BACKFLOW ASSEMBLY TEST REPORT, THE DISTRICT WILL REMOVE THE PADLOCK.

**1" - 2" PREMISE ISOLATION**

NOT TO SCALE

**DETAIL APPROVALS**  
**EDITOR** TMC  
**MANAGER** SJD

**NORTHSHORE UTILITY DISTRICT**  
 2023 STANDARD WATER DETAILS

**13**

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