



Backflow Prevention Requirements for Premise Isolation

Backflow prevention assemblies are an important component of drinking water protection and are required by the Texas Commission on Environmental Quality (TCEQ) and the City of Arlington's Backflow Prevention Ordinance. Backflow prevention assemblies prevent contaminated water or chemicals from flowing back into the public drinking water supply. The owner of the property or building is responsible for the installation of a premise isolation backflow prevention assembly. The assembly must be installed by a plumbing contractor. There shall be no taps, pipe branches, unapproved bypass piping, or other water using appurtenances between any water meter and City required backflow prevention assembly. A list of example facility processes and associated required backflow protection hazard type may be found at <http://www.arlington-tx.gov/water/wp-content/uploads/sites/3/2016/02/Premise-Isolation-Assembly-Type.pdf> . The use of a backflow assembly for premise isolation shall not negate the use of backflow protection on internal hazards as outlined and enforced by the Plumbing Code.



Reduced Pressure Zone Backflow Assembly

The following notes, detail specification, and location of the assembly are required on the plumbing plans:

"The backflow assembly for premise isolation will be installed prior to all other connections, and in accordance to TCEQ and City requirements. The assembly shall not be buried in earth or in any location subject to flooding, but installed above ground in a freeze protected enclosure meeting the ASSE-1060 specifications. It is the responsibility of any person who owns or controls property to eliminate the possibility of thermal expansion, if a closed system has been created by the installation of a backflow assembly. "

Include backflow detail specifications for applicable use found in Arlington Water Utilities standard detail Figures 15B-G. Also, include applicable site placement detail found in Figure 15H-J. Please visit <http://www.arlington-tx.gov/water/water-sewer-specs-details/> for a list of the detail specifications mentioned above. Residential customers are exempt for premise isolation on domestic water lines. For facility water uses not specified on the premise isolation list, contact Water Resource Services at 817-459-5902 for approved backflow protection type.