

# Backflow and Cross Connection Program

## Acton Municipal Utility District

Please call 817-326-4720 if you have any questions or concerns.

### OUR REQUIREMENTS

The Texas Environmental on Quality Commission (TECQ) has many requirements on all water purveyors. One of the requirements that they impose on us is that we have an effective backflow and cross connection program in place to eliminate any unwanted substances into our potable water supply.

A cross-connection is any non-potable source of water or gas that is attached to any potable water supply. A very common cross-connection exist between irrigation systems and drinking water supplies. To help protect our water system we must make sure that there is sufficient backflow protection against any possible back flow.

The main goal of the backflow program is to ensure the safety of our customers. We believe that a good program will eliminate any potential problems from existing. We have adopted the following procedures:

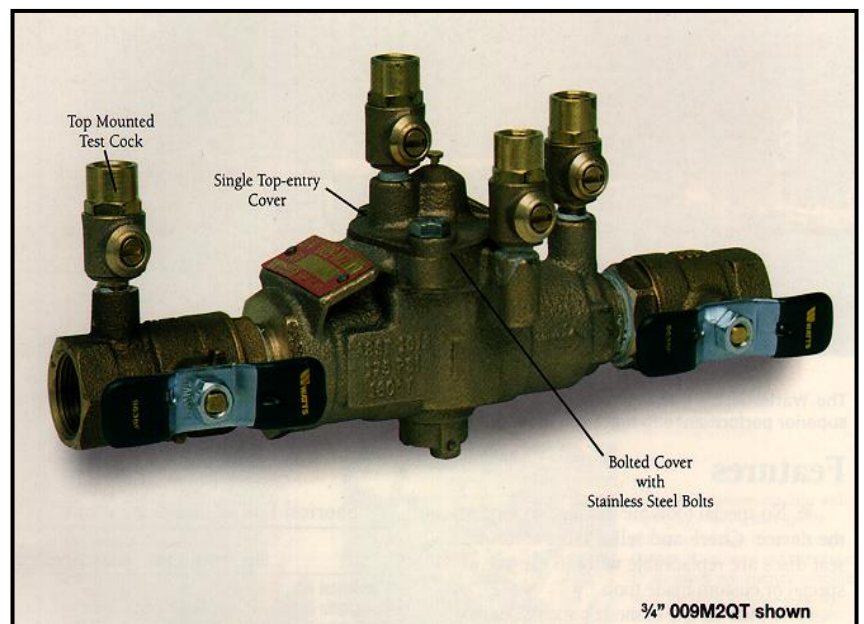
- AMUD will perform customer inspections on all new construction before lines are covered up.
- AMUD will be conducting inspections on all existing facilities, including residential sprinkler systems within the District. Customers will be required to repair, replace or install a viable backflow device if any cross connection hazards are found.
- A Permit will be required for all new Sprinkler installations or when the backflow device is replaced. Permit is not required when repairing existing sprinkler system unless the backflow device is changed. Permit is to be completed prior to the installation of the new backflow device or sprinkler system installation. The permit fee is to be collected at time of permit issuance.
- AMUD will perform the backflow testing on a periodic basis to ensure continued protection. Backflow testing charge will be billed to your account. We also test backflow devices when new service is started to insure proper working condition of backflow devices.

A Good Backflow program is essential. We thank you for assisting us with our program in which the State Code (290.44) mandates us to maintain in good standing.

### DOUBLE CHECK VALVE ASSEMBLY

The Double Check Valve assembly is an approved device for most irrigation systems. The Double Check Valve assembly is very accessible and can be obtained at most hardware stores, with the plumbing supplies or irrigation supplies. Home Depot, Sutherlands or Lowe's should stock a Double Check Valve Assembly.

The Double Check Valve Assembly will consist of a solid brass body approximately 7 to 9 inches long. It will contain two internal spring loaded check valves with two turn off valves, one at each end. It will also have four test cocks on the side of the valve for testing purposes. Different models of the Double Check Valve assembly are available. There are several to choose from; Febco 805y, Conbraco 401azt, Watts 007 or the Wilkins 950XL or XLT.



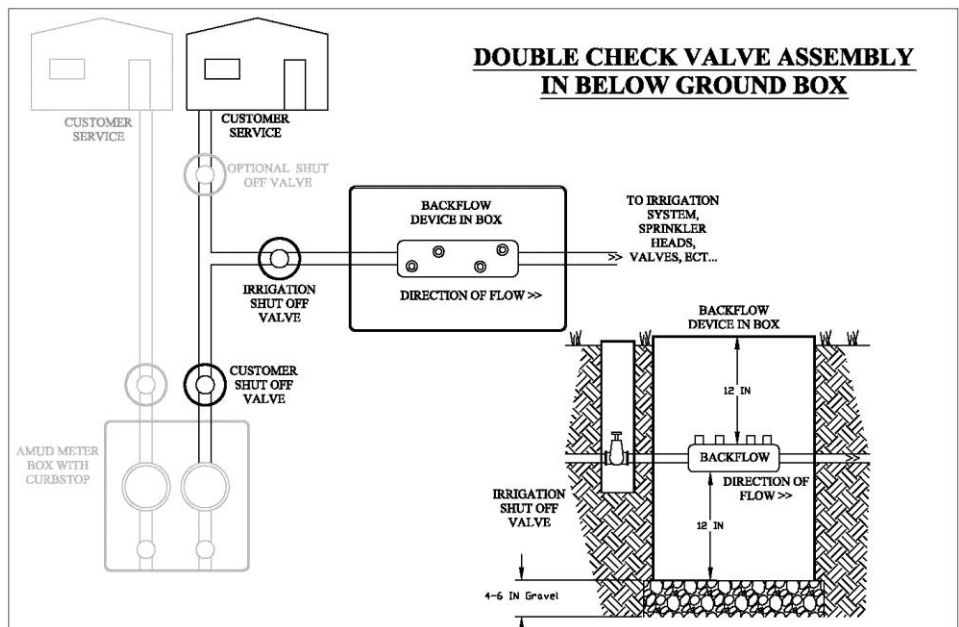
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## INSTALLATION REQUIREMENTS

1. All installers are required to register with AMUD.
  - 1.1. A copy of current license and drivers' license is required to be on file at the AMUD office.
  - 1.2. Homeowners can install assembly if they occupy and homestead the home. Permit is required.
2. The Double Check Valve must be installed prior to the irrigation system and after the water meter.
  - 2.1. Place the Double Check Valve within 2 feet of the meter box, (See note 5.1 below).
  - 2.2. A tee with a ball valve is required before you install your double check valve. This is to ensure a continuous water supply to the residence during a leak or mechanical breakdown of the sprinkler system.
3. The Double Check Valve must have a cover to protect it from freezing.
  - 3.1. Install valve box to grade or 1 inch above grade.
  - 3.2. Caps are required on all test cocks and ports to protect from dirt and debris.
4. The Box must have minimum clearance of 6 inches on all sides of the Double Check Valve for testing purposes.
  - 4.1. Allow space for attaching fittings and hoses to test cocks.
  - 4.2. Allow adequate room for shut off valve rotation.
5. The Double Check Valve is to be 12 inches below grade.
  - 5.1. Adequate drainage is required, do not install in a low lying area where drainage could be a problem or in a flood prone area.
    - 5.1.1. Consult with AMUD inspector if location looks problematic.
    - 5.1.2. The Backflow Device will need to be installed above grade if the Backflow Device is subject to standing water.
  - 5.2. The Box requires 4-6 inches of gravel for drainage with 12 inches of clearance under the Double Check Valve.
6. The Double Check Valve MUST be installed to Manufactures Requirements.
  - 6.1. A copy of the manufactures installation literature is to be left for homeowner and inspector.

**BACKFLOW AND CONNECTIONS TO  
THE MAIN WATERLINE  
CANNOT BE COVERED UNTIL  
INSPECTED BY AMUD PERSONNEL.**

**24 HOUR NOTICE TO AMUD IS  
REQUIRED TO SCHEDULE  
INSPECTIONS.**



The intent of this regulation is to protect the public water supply against actual or potential hazards which may jeopardize the safety of the water supply or which may endanger the health and welfare of the general public. Please call 817-326-4720 if you have any questions or concerns.

Additional Information may be found on our Web Site [www.amud.com](http://www.amud.com).