



Irrigation Requirements

Updated October 22, 2015

Building Inspections

A. Permit Approval-***Revised as of October 07, 2011*******

***New requirement for irrigation permits are as follows:**

1. ***All irrigation permit requests will require two (2) complete sets of plans using a boundary survey as the base template.**
2. ***The plans must be submitted by a verified currently state licensed Irrigator or Plumber with current Wylie registration.**
3. ***The plans must clearly specify the approved tap location, backflow device employed for "High Hazard," the installation routing, and the type/sizes of materials to be installed.**
4. ****All new irrigation systems must comply with Sec. 114-108, (d)(6) of the City of Wylie Water Conservation Ordinance as codified which requires "Rain & Freeze and/or ET Or Smart controllers. ****
5. ***Installations must declare compliance with Section 1903.251, Texas Occupations Code.**
6. ***Must be located on private property with the heads oriented so as not to spray onto ROW, public roads or sidewalks.**
7. The name and phone number of the licensed backflow tester that will test the backflow device at the completion of the job.
8. The name, address and phone number of the licensed irrigation or plumbing contractor.
9. The value of the job.
10. Any system installed with a chemical injection system must utilize a Reduced Pressure Principle Zone (RPZ) backflow device.

B. General Information

1. When the permit has been approved, a permit fee of \$50.00 for each backflow device installed must be paid.
2. Irrigation and plumbing contractors as well as backflow testers must be registered with the City of Wylie prior to obtaining any permit. Registration fees are \$100.00 per year.
3. Permits must be obtained before any work can begin. At any time work is being done, a journeyman or master plumber—or a licensed irrigator or installer must be present on the job. If the permit has been issued to a homeowner, the homeowner must do the work and be present at all times while work is being done.
4. At all times during the installation of the irrigation system, the building permit must be displayed in such a way that it is visible from the street.

C. Installation Requirements

1. A Double Check Assembly (DCA), Pressure Vacuum Breaker (PVB) or a Reduced Pressure Principle Zone (RPZ) device are the only approved backflow devices for a lawn sprinkler system. An RPZ backflow device must be used when a chemical injection system is installed as a part of the irrigation system.
2. **Double Check Assembly (DCA).** The following provisions apply to installation requirements when a Double Check Assembly is installed:
 - a. The Double Check Assembly must be installed within five feet (5') of the connection to the water supply.
 - b. The Double Check Assembly must be installed in a box.
 - c. There must be at least six inches (6") of pea gravel in the bottom of the box.
 - d. There must be a clearance of six inches (6") between any test cock and the side of top of the box.
3. **Pressure Vacuum Breaker (PVB) or Reduced Pressure Principle Zone (RPZ).** The following provisions apply to installation requirement when Pressure Vacuum Breaker (PVB) or a Reduced Pressure Principle Zone (RPZ) backflow device is installed.
 - a. If the backflow device is installed in a box, the box must contain drain holes. Additionally, the backflow device must be placed in a meter box large enough to provide the following clearances:
 1. Twelve inches (12") between the bottom of the assembly and the highest sprinkler head in the system for a PVB and twelve inches (12") between relief valve opening and the ground for an RPZ.
 2. Six inches (6") between the assembly test cocks and any portion of the box.
 - b. All plumbing lines and any backflow device located above the ground must be protected from freezing conditions. Such lines and devices must be installed in an approved hot box or wrapped with heat tape. Any electrical circuit required for the heat tape or hot box requires a separate electrical permit. The permit can only be issued to a licensed electrician or the homeowner as long as the homeowner lives at the property where the work is being done.
 - c. The device must be installed within five feet (5') of the connection to the water supply.

D. Inspection Approval

1. All inspections must be requested through our automated inspections system. The number to that system is: (972) 516-6431 or (972) 516-6433 Inspections requested prior to 7:00 a.m. can be done the same day. Inspection requests received after 8:00 a.m. must be requested for the next business day or later.
2. All backflow device test reports must be submitted to the building inspections office prior to requesting an inspection. **ATTENTION: It shall be the responsibility of the permit holder and/or the backflow tester to also provide an original copy of backflow test reports to all water utility districts that require such, i.e. Wylie Northeast Water Supply Corp. District. Please be aware that Wylie Northeast Water Supply Corp. District requires an original test report to be filed at their**

office and be on a form with their letterhead. For questions please call (972) 442-2075.

3. In the case of rain or freezing weather, the inspection will be canceled at the discretion of the Building Official of the Senior Building Inspector. If you have taken special precautions to keep the trench free of water and the tap visible for inspection purposes, contact the office at (972) 516-6420. Otherwise the inspection will be canceled and the contractor must recall the inspection when he has checked the site again and verified that it is ready for inspection.
4. If the backflow device is installed in a box, the irrigation contractor must invert or remove the lid to the meter box housing the backflow device prior to calling for inspection. This will allow for inspection of the assembly without the possibility of an inspector breaking a lock or cracking a box while trying to remove the box lid.
5. The connection to the water line and the line from that point to the backflow device must remain open and uncovered for inspection.
6. **Contractors are responsible for obtaining inspection approval of the backflow device prior to the sprinkler system being used. Contractors who have not received approval of the backflow device immediately after installation of the system will not be eligible to receive additional sprinkler permits. Contractors are subject to citations for not obtaining approval of the backflow device inspection prior to the use of the sprinkler system.**

E. Re-inspection Fees

A re-inspections fee of \$50.00 may be assessed for any of the following reasons. If a re-inspection fee is assessed, no further inspections will be performed on that job until the fee has been paid.

1. Inspection called for, is not ready (this could include a first time inspection where a history has developed for deficient items on a continual or repeated basis);
2. The access cover to the backflow device is not inverted or removed;
3. The backflow device is not accessible for inspection;
4. An inspection is disapproved twice for the same item; and
5. The previous red tag has been removed from place left by inspector.