**Corinth Planning & Development**
https://www.cityofcorinth.com/141/Planning-Development

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# *Landscape Irrigation Requirements*

- A permit is required to install any landscape irrigation system within the City of Corinth and is subject to inspection by the plumbing inspector for the City of Corinth. The permit is required to be posted at the job location. In addition, a backflow prevention assembly test must be performed by a licensed, registered tester, and a copy of the test document is required in the Community Development Department and on BSI Online prior to the request of an inspection by the plumbing inspector for the City of Corinth.

The following devices shall be used in landscape irrigation systems for backflow prevention:

- Double check valves are allowed in the City of Corinth. They must have a manual cutoff between the water service and the double check valve and be in a box big enough for the double check to be tested and worked on. Test cocks must be plugged and be threaded, water tight and be made of a non-ferrous material.
- Gravel must be placed four (4") under the double check valve and have adequate clearance between the gravel and valve. Take adequate measures to keep dirt out of the check box.
- Atmospheric vacuum breakers must be installed at least 6 inches above the highest sprinkler head. Each valve installed downstream from an atmospheric vacuum breaker shall require an additional vacuum breaker.
- Pressure vacuum breakers must be installed at least 12 inches above the highest sprinkler head.
- Reduced pressure principal backflow prevention devices must be installed at least 12 inches above grade.
- A cut-off valve of nonferrous material shall be installed in the water supply serving the irrigation system. Such valve shall be installed in the irrigation water supply near its connection to the potable water supply.
- The International Plumbing code requires water piping, which is installed outside of a structure, where subject to freezing, to be adequately protected from freezing.
- Therefore, the riser piping associated with the above backflow prevention devices shall be protected. Such piping may be either copper or PVC.
- Backflow devices should be protected against freezing in accordance with manufacturer's instructions.
- PVC pipe is subject to deterioration by exposure to sunlight and where exposed to sunlight shall be wrapped with minimum 1 mm thick tape, or painted with a water-base latex paint.
- Drain valves are not required for riser pipes, but if provided, such valves shall be located above grade.
- Below grade irrigation system piping, at its connection to the potable water supply and at the riser piping serving the vacuum breaker, shall remain uncovered until inspected and approved.

In addition, the following is required by Title 30 Texas Administrative Code, Chapter 344, Subchapter D, Section 344.77 (e):

(e) Minimum standards for depth coverage of piping. Irrigation systems using spray or rotary heads must be designed and/or installed according to the manufacturer recommended specifications for depth coverage of piping, unless one of the following circumstances is encountered.

(1) If the manufacturer has no recommended specifications for depth coverage of piping, the irrigation system must be designed and/or installed to provide a minimum of six inches of coverage over piping.

(2) If utilities, structures, or tree roots are encountered, the irrigation system must be designed and/or installed to provide a minimum of two inches of coverage over piping.
In addition, Section 305.6 of the 2000 Edition of the International Plumbing Code requires the piping between the connection to the potable water supply and the backflow prevention device to be buried at a depth of not less than 12 inches below grade.

**The City of Corinth has adopted the:**

- **2015 International Residential Code (IRC)**
- **2015 International Building Code (IBC)**
- **2014 National Electric Code (NEC)**
- **2015 International Fire Code (IFC)**
- **Unified Development Code (UDC)**

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