



Town of Little Elm Irrigation System Requirements

A. Permit:

1. All irrigation systems require a permit.
2. All State Laws must be adhered to, if you are unaware of the State laws, contact the TCEQ at www.tceq.state.tx.us.
3. A Plot Plan or Survey Plat identifying the location of the Back Flow Preventer, Rain/Freeze Sensor, and control panel shall be submitted with a completed application for all irrigation permits.
4. A detailed plan of the irrigation system is required for all irrigation systems and signed by Certified Licensed Irrigator.
5. All irrigation plans must be drawn to scale. The plan must include at a minimum, the following; 1. The irrigator's seal, signature and date of signing, 2. All major physical features and boundaries of the area to be watered, 3. A North arrow, 4. A Legend, 5. The zone flow measurement for each zone, 6. Location and type of each a) controller and b) sensor, 7. Location, type and size of each a) water source (water meter and points of connection) b) backflow prevention device, c) water emission devices, d) valves, e) pressure regulation component and f) main line and lateral piping, 8. The scale used and 9. The design pressure
6. All contractors and backflow testers are required to be registered with the Town of Little Elm prior to submitting for permit. Homeowners may act as their own irrigation contractor, but must retain a certified backflow tester and plans designed by licensed Irrigator. Homeowners working as their own contractor are not required to register with the town, but are required to obtain permit and follow all guidelines.
7. Permit Fee is \$185.00 residential / \$250.00 commercial with 1 controller, \$425.00/2 controllers, \$500.00/3 controllers
8. Irrigator registration fee is \$100.00.
9. Backflow Tester registration fee is \$100.00.

B. Restrictions:

1. No equipment or material shall be installed in the medians.
2. Backflow prevention device can not be installed in the utility easement.

C. General Requirements:

1. Rain/Freeze Sensor is required on all irrigation systems installed within the town.
2. A backflow prevention assembly shall be installed with all systems.
3. All trees require a bubbler.
4. Irrigators must ensure the backflow prevention device is tested prior the irrigation system being placed in service and that test results are provided to the Town and the irrigation system owner within ten business days of testing the device.
5. Atmospheric vacuum breakers may be used if (a) no continuous pressure will be present; (b) there are no shutoff valves downstream; and (c) must be installed at least 6" above grade.
6. Pressure type vacuum breakers may be used if (a) no back-pressure condition will occur; and (b) must be installed at least 12" above grade.
7. If there are no conditions that present a health hazard, a double check valve backflow assembly may be used.
8. A double check valve assembly must be placed in a meter box large enough to provide the flowing clearance (a) Six (6) inches between the bottom of the assembly and the pea gravel in the bottom of the meter box; and (b) Six (6) inches between the assembly test cock and the side of meter box.
9. Damages to town easements or sidewalks shall be the responsibility of the contractor or homeowner to repair, with Town approval.

10. Before excavation or boring contact Texas 811 at 1-800-344-8377 or www.texas811.org for utility locates.
11. Backflow reports are to be complete through www.SCTrackingSolutions.com for all irrigation projects.

D. Inspections:

1. A final inspection is required and must be scheduled within five working days of completion.
2. Backflow prevention devices used in applications designated as health hazards must be tested upon installation and annually thereafter.
3. Inspections must be requested online by contractor.
4. **Inspections requested after 7:00 AM will be completed the next business day.**