



TECHNICAL BULLETIN

Community Development & Planning, Building Inspections

Minimum Requirements for Lawn Irrigation Permits & Inspections January 1, 2009

Effective January 1, 2009, the City of Arlington will implement the requirements of HB 1656 which requires the regulation of the installation of irrigation systems within the city limits and the extraterritorial jurisdictions.

This **Technical Bulletin** lists the minimum submittal information that must be provided with an application to install or add to an irrigation system. In addition to an **Irrigation Permit**, the permittee must also secure a **Plumbing Permit** for the installation of the double check backflow prevention device. See **Technical Bulletin** entitled "Requirements for Double Check Backflow Installation with Irrigation Systems" for details.

A. Completed permit application, either in person or on-line at **ArlingtonPermits.com**
B. Include 2 sets of irrigation plans that will be used for construction. The plans must be drawn to scale and include, at a minimum, the following information:

1. the irrigator's seal, signature, and date of signing;
2. all major physical features and the boundaries of the areas 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 (for example, but not limited to, rain, moisture, wind, flow, or freeze);
7. location, type, and size of each:
 - a. water source, such as, but not limited to a water meter and point(s) of connection;
 - b. backflow prevention device;
 - c. water emission device, including, but not limited to, spray heads, rotary sprinkler heads, quick-couplers, bubblers, drip, or micro-sprays;
 - d. valve, including but not limited to, zone valves, master valves, and isolation valves;
 - e. pressure regulation component; and
 - f. main line and lateral piping.
8. the scale used; and
9. the design pressure.

C. Permits may only be issued to registered Irrigation Contractors

Exception:

1. A property owner that is performing irrigation work in a building or on a premise owned or occupied by the person as the person's home. This exemption is only from the license requirement and is not an exemption from the other code provisions.

2. A person who is licensed by the Texas State Board of Plumbing is exempt from the requirement to be licensed. This exemption is only from this license requirement and is not an exemption from the other code provisions.

3. A person who is a licensed engineer, registered architect, or registered landscape architect to the extent the person's acts are incidental to the pursuit of the person's profession is exempt from the requirement to be licensed. This exemption is only from this license requirement and is not an exemption from the other code provisions.

D. Upon issuance of the permit and completion of the installation of the system, the person holding the permit must request two inspections in sequential order. A copy of the approved landscape irrigation plans must be on the job at the time of any inspection.

1. ***Irrigation Underground Inspection*** after all of the ditches are dug, the pipes, valves, heads, wiring, etc are installed but the system is not backfilled. (Note: portions of the installation may be backfilled as long as the general area of the joints, valves and heads are left exposed.)
2. ***Irrigation Final Inspection*** when the system installation is ready for operation. At the time of the inspection, the following must be provided and/or made available to the inspector for viewing:
 1. the irrigator's or irrigator's technicians signed copy of the maintenance checklist,
 2. the permanent sticker containing the irrigator's name, license number, company name, telephone number and the dates of the warranty period that is affixed to each automatic controller,
 3. the automatic rain and freeze sensor(s),
 4. the completed Backflow Prevention Assembly Test certificate that has been completed by a certified Backflow Prevention Assembly Tester that is registered with the City of Arlington,
 5. visual inspection of the installed backflow prevention device and verification of a plumbing permit for the installation of the backflow prevention device
 6. visual inspection of the connection to the potable water system