



## Department of Development Services

### Building Inspections

401 N. Elm St.  
Denton, Texas 76201  
(940) 349-8360

[www.CityofDenton.com](http://www.CityofDenton.com)



## Irrigation Permit Submittal Requirements

New Irrigation systems shall not utilize above-ground spray emission devices in landscapes that are less than 48 inches, not including the impervious surfaces in either length or width and which contain impervious pedestrian or vehicular traffic surfaces along two or more perimeters. If pop-up sprays or rotary sprinkler heads are used in a new irrigation system, the sprinkler head must direct flow away from any adjacent surface and shall not be installed closer than 4 inches from a hardscape, such as, but not limited to, a building foundation, fence, concrete, asphalt, pavers or stones set in mortar.

**NOTE: The City of Denton does not allow Double Check as a backflow device. In addition the State of Texas statute 3 44 .6 2(b) prohibits irrigation spray heads in parkways less than 48" wide.**

- Irrigation Application
- Irrigation Plan depicting;
  - State Irrigator, Engineer, or Architect's stamp with signature and date.
  - Drawn to scale with scale type designated
  - North directional arrow
  - Location of;
    - Water meter (include size of meter)
    - Backflow prevention device
    - Isolation valve (to be installed between meter and backflow device)
    - Master valve (if installed must be on outflow side of backflow device)
    - Zone valves (include size and flow rate, C+PM) and Zone number
    - Rain/Freeze sensors (not allowed on fences)
    - Pressure reducing valve, if required (required when static pressure is over 90 PSI. Location shall be installed immediately after the water meter)
    - Main and lateral lines
    - Controller (including Controller type and manufacturer)
    - Property lines
    - Sprays, Rotors, MP, etc. per zone
    - Throw arches of heads
  - Legend must include the identification of
    - Types of heads used
    - Nozzle size
    - Nozzle coverage (quarter, half, full, adjustable, etc.)
    - Pipe types and sizes
    - Separate zones
    - Water flow measurements for each zone
    - Spray coverage for each spray head
    - North directional arrow
    - Type of controller and sensors
    - Type of wiring used to each automatic valve
    - Water pressure (static pressure, available working pressure, and design operating pressure)

- Water meter (include size of meter)
- Statements;
  - “This irrigation system has been designed in accordance with all applicable state and local laws, ordinances, rules, regulations or orders”, statement on plan.
  - Statement that all piping will be buried a minimum of 6” below grade
  - Statement that all wiring must be rated for direct burial

## Inspections Required

### Commercial

*Inspections are listed in order they are to be scheduled*

- **Irrigation Underground**
  - Leave underground piping as exposed as possible
  - Have the following installed: isolation valve, master valve, backflow device, all piping, all sprinkler heads, etc.
  - Have mainline under pressure
- **Backflow**
  - Backflow report
- **Irrigation Final**
  - Demonstrate each zone for Inspector
  - Display information sticker on controller. The permanent sticker must contain the Irrigators name, license number, phone number, company name, and dates of warranty period.
  - Customer Verification Form
  - Official City of Denton Backflow Report

### Residential

*Inspections are listed in order they are to be scheduled*

- **Backflow**
- **Irrigation Final**

## Inspections Information

- Approved set of plans must be available onsite at all times.
- Have Freeze and Rain Sensors installed
- Demonstrate proof that the maintenance checklist has been given to the owner of the irrigation system and the checklist shall include but not be limited to:
  - A seasonal watering schedule
  - Manufacturer’s manual for the controller
  - List of components that may require maintenance and recommended frequency of maintenance.
  - Demonstrating to the owner how to “winterize the system” to prevent freeze damage, especially to the backflow protection device.
- Present “As-built” plans if approved plans have been modified
- Present an approved backflow test report

### Backflow

Backflow registration must be done through the Water Meter Shop. Please contact Brandon Dimarco at (940) 349-7381 for more information.