



## **TCEQ Landscape Irrigation Requirements**

**The City of Nacogdoches strongly suggest that each Irrigator visit the TCEQ web site and read the complete scope of requirements for Landscape Irrigation Systems for themselves prior to beginning a project. The following rules are only a few of many requirements.**

### **§344.4 License Required**

An individual who sells, designs, consults, maintains, alters, repairs, or services an irrigation system, including the connection of such system to any water supply, or represents that they can perform any or all of these functions, must hold an irrigator license issued according to Chapter 30 of this title (relating to Occupational Licenses and Regulations.) An irrigator must comply with the rules contained in this chapter when performing any or all of the above described functions.

### **§344.61 Minimum Standards for the Design of the Irrigation Plan**

An irrigator must submit an irrigation plan drawing to the City of Nacogdoches Inspections Department for approval. The plan must include complete coverage of the area to be irrigated, drawn to a scale no smaller than 1 inch equal 30 feet, irrigator's seal with signature and date of signing, all major physical features and boundaries of watered area, a North arrow, a legend, the zone flow measurement for each zone, location and type of the automatic controller and required rain or moisture sensor, and location, type, and size of water source, meter, backflow device, water emission devices, zone valves, master valves, isolation valves, pressure valves, along with main line and lateral piping.

### **§344.62(d) Minimum Design and Installation Requirements**

Piping in an irrigation system must be designed and installed so that the flow of water in the pipe will not exceed a velocity of five feet per second for PVC pipe.

### **§344.62(i) Colored Primer**

All PVC pipe and fittings shall be primed with a colored primer prior to applying the PVC cement

### **§344.62(l) Depth Covering of Piping**

All piping shall be installed so a minimum of six inches of select fill cover will be provided. Where an unavoidable obstacles prevent this, there shall be a minimum of two inch cover.

### **§344.62(k) Isolation Valve**

An isolation valve shall be installed between the water meter and the backflow prevention device

### **§344.62(m) Wiring**

Underground wiring used for the irrigation system must be listed by the Underwriters Laboratories for burial underground. Electrical splices exposed to moisture must be waterproof as specified by the wire splice manufacturer. All wiring must be sized for the purpose for which it is used. Buried wiring must be a minimum of six inches deep.

**Should you have any questions, Please feel free to contact Inspections Services Department.**

