



## IRRIGATOR CHECKLIST

For installation of irrigation systems in the City of Garden Ridge, whether by state licensed irrigator or by property owner.

Irrigation systems must comply with any and all other requirements for such systems as regulated through City of Garden Ridge Ordinance numbers 19, 54, 61, and 159.

New system, the replacement of existing systems and any extension of any existing system greater than 50 percent of the original system requires approval from the City Water Department prior to beginning installation.

### Approval Requirements:

- \_\_\_\_\_ A scaled (1" to 30') schematic and detailed plan of the proposed installation. Plans must be drawn in ink.
- \_\_\_\_\_ All systems must comply with Texas Administrative Code Title 30, Part 1, Chapter 334, Subchapter C, paragraph (h) and Ordinance 159.
- \_\_\_\_\_ Connection of the irrigation system to the water supply must be done by a licensed irrigator and the backflow device inspected by a licensed backflow tester.
- \_\_\_\_\_ The plan must be designed according to Texas Administrative Code Title 30, Part 1, Chapter 344, Landscape irrigation, Subchapter F and include complete coverage of the area to be irrigated.

The irrigation plan must include, at minimum, the following information:

- \_\_\_\_\_ The irrigator's seal, signature and date of signing or the property owner's signature and date of signing.
- \_\_\_\_\_ All major physical signatures and the boundaries of the area(s) to be watered
- \_\_\_\_\_ A North arrow
- \_\_\_\_\_ A legend
- \_\_\_\_\_ The zone flow measurement for each zone
- \_\_\_\_\_ Location and type of controller and rain sensor

Location, type and size of each:

- \_\_\_\_\_ Water source, such as but not limited to, a water meter and point(s) of connection.
- \_\_\_\_\_ Backflow prevention device must be a minimum of 1" or size of meter if larger
- \_\_\_\_\_ Water emission devices including, but not limited to, spray heads, rotary sprinkler heads, quick-couplers, bubblers, drip or micro sprays
- \_\_\_\_\_ Valves including, but not limited to zone valves, master valves and isolation valves
- \_\_\_\_\_ Pressure regulation component must be same size as meter and rated for 15-150 psi
- \_\_\_\_\_ Main line and lateral piping
- \_\_\_\_\_ The design pressure, which cannot exceed manufacturer's recommendation
- \_\_\_\_\_ The design of all new, refurbished or extensions of existing sprinkler systems should include water conservation features, such as sprinkler heads which emit large drops of water rather than a fine mist, the use of drip irrigation where possible and sprinkler system layouts that limit the impact of wind.

### Completion of Irrigation System

- Upon completion of the irrigation system, there must be a final inspection with the installer, the City Water Department and, if possible, the home owner.
- The City is to be furnished a copy of the final plan, noting any changes, if any, from the original plan submitted.

### Gray Water Recycling Systems for Irrigation

A Gray Water Recycling System **MUST** be installed per the International Plumbing Code and Texas Administrative Code, Title 30, Part 1, Chapter 285, On-Site Sewage Facilities, Subchapter H, Disposal of Gray Water, Subparagraphs 285.80 and 285.81