

Irrigation Systems
INTERPRETATION MANUAL



CODE: **Chapter 54, "Dallas Plumbing Code," and Chapter 57, "Dallas One- and Two-Family Dwelling Code. Appendix J,**

DATE:

CODE REF: **J105.2.4.**

1/7/2009

SUBJECT: **Maintenance, alteration, repair or service**

Question: When are a Permit and isolation valve, y-strainer, rain and freeze sensors and backflow device required to be installed?

Answer: Section J105.2.4 lists the conditions of work being completed that would trigger the installation for the isolation valve, y-strainer, rain and freeze sensors and backflow device. However, these terms maintenance, alteration, repairs or services are not specific enough to determine when these devices should be installed.

1. When the maintenance, alteration, repairs or services **involves excavation work at the water meter and or the backflow preventer** then all of the devices (isolation valve, y-strainer, rain and freeze sensors and backflow device when not present) should be installed as outlined in Section J105.2.4 and a permit.
2. When the maintenance, alteration, repairs or services involves the stopping of a leak in the main line (definition of mainline TCEQ 344.1(28)) it will require the installation of rain and freeze sensors and backflow device if not installed.(see following conditions)

When permits are required:

- a. Permit required for the installation of backflow device.
- b. Permit required for the installation of additional zone valves and zones which will require installation of rain and freeze sensors and permit.
- c. Permit not required for the installation of rain and freeze sensors.
- d. Permit not required for the replacement of zone valve but, rain and freeze sensors must be installed.

J105.2.4 Maintenance, alteration, repair or service. When maintenance, alteration repair or service of an irrigation system is required and performed and an isolation valve, y-type strainer, rain and freeze sensors or approved backflow device are not present, the valve(s) and or sensors must be installed, permitted, tested and inspected. Existing approved backflow device(s) must be tested and test report given to the building official.

SIGNATURE: *Lonnie Erwin,*

Chief Plumbing and Mechanical Inspector
City of Dallas