

# New Lawn Irrigation Requirements & Inspection Procedures

## Effective January 1, 2009

In an effort to promote water conservation the Texas legislature has passed House Bill (HB) 1656, and it will require a more in depth inspection and permitting process for lawn irrigation system's permitted and installed after January 1, 2009. The new State regulations will require municipalities with a population in excess of 20,000 to comply with all parts of the rules and regulations associated with HB1656. The Inspection process will be changed as outlined below to accommodate the various inspection requirements specified by HB1656.

### INSPECTION PROCESS:

- **Backflow Certification-** After the backflow device is installed it shall be tested and certified by a backflow assembly tester registered with the City of Plano Utility Operations Department. For additional questions regarding backflow assembly testing, contact the City of Plano Utility operations Department at 4120 W. Plano Pkwy (972) 769-4160.
- **Pre-Irrigation Inspection-** Installer will install system in accordance with State guidelines and as shown on the city approved plans and all components of the system need to be installed, and the system needs to be subjected to a pressure test at the time of inspection. All ditches are to remain open until the rough inspection is made and approved by the City Inspector and then the system can be covered up.
- **Final Irrigation Inspection-** The final inspection can be scheduled after the backflow assembly test report has been submitted and approved by the Utility Operations Department. The installer is responsible for coordinating a time with the Inspector to meet at the location and cycle the system through all stations. After requesting the final inspection, usually the day before, the installer should call on the day of inspection between 7:00 – 7:30 at (972) 941-7140 to obtain a two hour window from the inspector on time of arrival. The installer is responsible for making necessary arrangements to allow the inspector to access all locations where the irrigation system has working components.

10 PL Backflow (972-769-4160)	0145
20 PL Pre-Irrigation	0141
1000 PL Final-Irrigation	0142

\*Quick couplers or hose connections of any type installed within the irrigation system shall require the proper installation of a reduced pressure backflow prevention assembly. The assembly shall be tested upon installation and annually thereafter.

Fees: Refer to the Fee Schedule for applicable fees

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**Building Inspections Department** ~ 1520 Ave K, Suite 140 Plano, TX 75074 ~ 972-941-7140 fax 972-941-7187  
[www.buildinginspections.org](http://www.buildinginspections.org)  
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## NOTE:

- A homeowner who is performing the work himself/herself, and if the property is his/her homestead, does not require a license
- Double-check valve must be located in right-of-way not closer than three (3'0") feet from water meter. Other backflow devices shall be installed in accordance with their listing.
- See diagrams below.
- PVC water piping prohibited by Local amendment on the potable water. (Meter side of the backflow device)
- Backflow device shall be tested by a certified backflow tester and results forwarded to Utility Operations for questions please contact (972-769-4160)
- Testing Fee – A \$35.00 fee shall be submitted to the Utility Operations Department for each backflow prevention assembly tested and shall be paid at the time that the technician files the backflow prevention assembly test report with the City. (Ordinance No. 2002-9-15)

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IRRIGATION CONTRACTOR'S SELF-CHECKLIST

Please fill out the Irrigation Contractor's Self-Checklist and please sign below that all information is correct. Your self-checklist must be submitted along with your Irrigation Application.

Address \_\_\_\_\_ Permit Number: \_\_\_\_\_

**Required paper:**

- \_\_\_\_\_ Verify application has been completed – signed and dated
- \_\_\_\_\_ Verify required paper work is submitted with application:
  - 2 Irrigation Plans to scale must include complete coverage of the area to be irrigated** (if a system does not provide complete coverage of the area to be irrigated, it must be noted on the irrigation plan)

**All irrigation plans must include the following:**

- \_\_\_\_\_ irrigator's seal, signature, and date of signing
- \_\_\_\_\_ all major physical features and the boundaries of the areas to be watered
- \_\_\_\_\_ a **NORTH** arrow
- \_\_\_\_\_ a legend
- \_\_\_\_\_ the zone flow measurements for each zone
- \_\_\_\_\_ **NO SPRAY HEADS IN PARKWAY** – (Spray Heads are allowed if parkway is over 48" wide)
- \_\_\_\_\_ **PLANTERS/SHRUBS REQUIRE SEPARATE STATION**
- \_\_\_\_\_ **Quick couplers or hose connections** of any type installed within the irrigation system shall require the proper installation of a reduced pressure backflow prevention assembly. The assembly shall be tested upon installation and annually thereafter.

**Location**

- \_\_\_\_\_ type of each - controller and sensor (for example: rain, moisture, wind, flow or freeze)
- \_\_\_\_\_ type and size of: water source – a water meter and points of connection
- \_\_\_\_\_ type and size of: backflow prevention assembly

**Select Water Emission Devices that you will be using**

- \_\_\_\_\_ spray heads
- \_\_\_\_\_ rotary sprinkler heads
- \_\_\_\_\_ quick-couplers
- \_\_\_\_\_ bubblers
- \_\_\_\_\_ drip
- \_\_\_\_\_ micro-sprays

**Select Valves that you will be using**

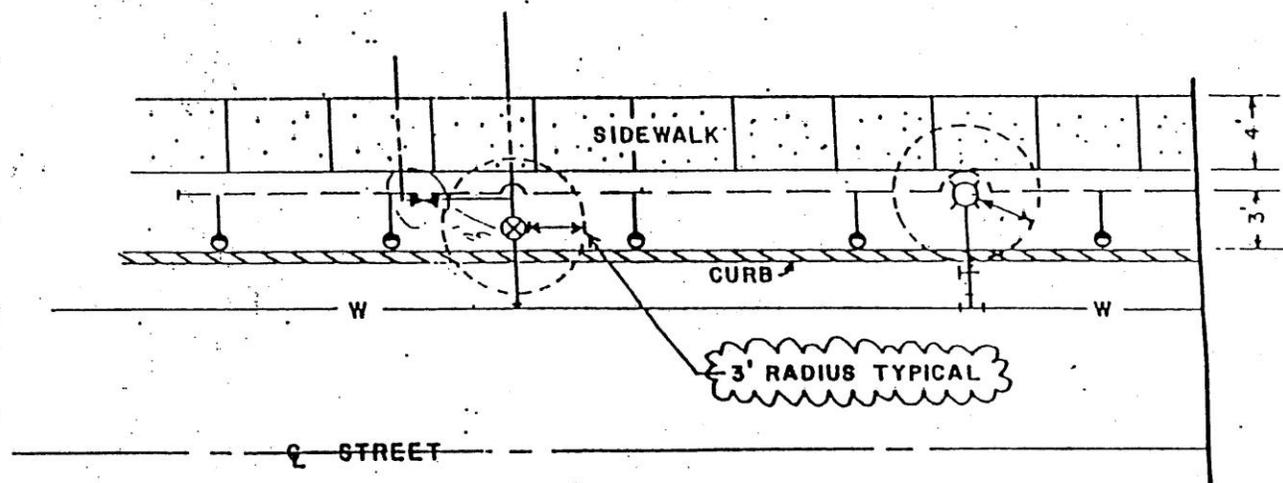
- \_\_\_\_\_ zone valves
- \_\_\_\_\_ master valves
- \_\_\_\_\_ isolation valves
- \_\_\_\_\_ **Pressure regulation component**
- \_\_\_\_\_ **Main Line and Lateral piping**
- \_\_\_\_\_ Scale Used \_\_\_\_\_
- \_\_\_\_\_ Design Pressure \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Please Print

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- ⊠ FIRE HYDRANT
- ⊗ WATER METER
- T WATER VALVE
- W WATER LINE
- IRRIGATION HEAD
- IRRIGATION LINE
- ↔ DOUBLE CHECK VALVE



**NOTE:**

1. NO IRRIGATION HEAD OR VALVE SHALL BE WITHIN 3' DISTANCE OF A WATER UTILITY.
2. IRRIGATION LINE SHALL NOT BE LESS THAN 3' DISTANCE FROM CURB.

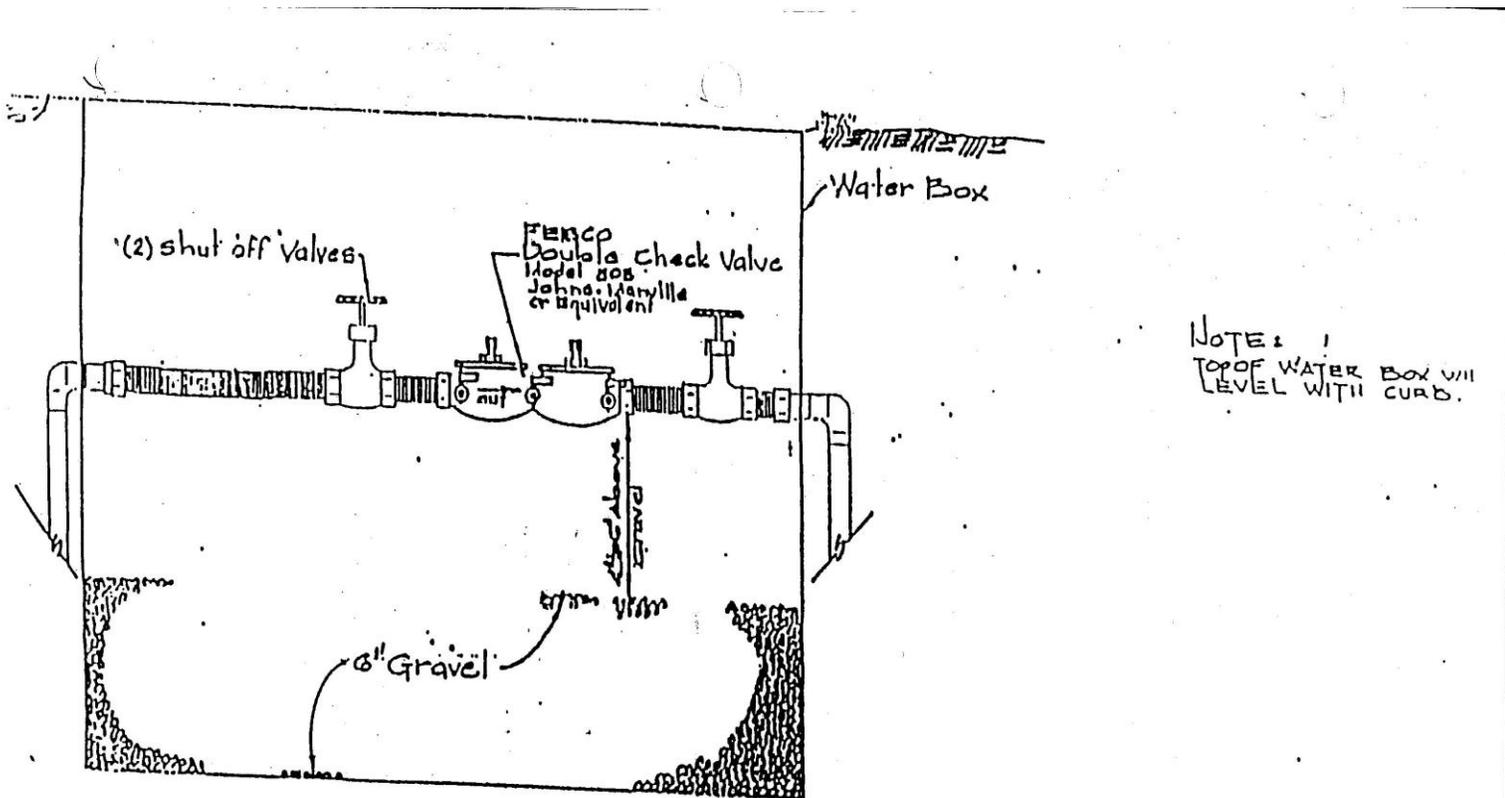
<b>STANDARD INSTALLATION DETAIL</b>	
<i>city of plano</i>	
<b>IRRIGATION SYSTEM IN R.O.W</b>	
DRAWN BY: C. EPPS	DATE: 3-10-82
DEPT: UTIL. MAINT.	APPROVED BY: <i>[Signature]</i>
SCALE: NONE	DWG. NO.:
REVISED 11-1-82 C.E.	A-0061

# Diagram for Backflow Prevention for Sprinkler System

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BACK FLOW PREVENTION FOR SPRINKLER SYSTEM  
 NOT TO SCALE

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