



LANDSCAPE IRRIGATION INFORMATION PACKET

As of **January 1, 2009** the irrigator must make application for an irrigation permit and submit two (2) sets of irrigation plans for review.

Permit Application Fee:

- Residential (Single Family/Two-Family/Townhome) **Fee calculated by table found in Section 30-13(a) Euless Code of Ordinances based on work valuation. Work valuation for residential systems will be calculated at \$1.00 per square foot of landscape to be irrigated.**
- Commercial (All Commercial and Multi-Family) **Fee calculated by table found in Section 30-13(b) Euless Code of Ordinances based on work valuation provided by cost estimates from the contracting installer.**

Plan Review and Inspection Fee: **\$100.00 (Paid at time of plan submittal)**

The project may not be started before the completion of plan review and issuance of an irrigation permit. Every effort will be taken to complete the plan review within no more than five (5) business days. When the plan review is complete the City will notify the irrigator that the plans are ready and the irrigator may retrieve the plans and the permit.

Inspection requests must be made by 8:00pm the day prior to the inspection by calling the automated inspection phone number **(817) 685-1634** and requesting and inspection. The irrigator may leave a voice message on the automated system requesting an approximate time with a two (2) hour window as to when the irrigation inspection may be made or the irrigator may simply wait upon the arrival of the inspector.

The following items shall apply to the irrigation inspection:

1. All installations shall have copper or pex from yard line tie-in to backflow assembly. No compression fittings may be installed from yard line tie-in to backflow assembly.
2. All required valve boxes shall be installed; the lid of the valve box shall be left open until approved by the irrigation inspector.
3. Piping, valves, and all joints, including isolation, wye-strainer, and backflow preventer and master valve shall not be located within the right-of-way, shall be left uncovered from the point of connection to a point three (3') feet down stream from the master valve, and pressurized.
4. All wiring splices shall be left uncovered, or, if there are no splices, wiring may be covered to a point within three (3') feet of any valves. (See item 4).

5. All valves (zone and master valves) shall not be concealed for a space of three (3') feet up and down stream of the valve, including the piping connections to the valve.
6. The last emission device with the greatest developed length from the potable water source shall be left exposed for a distance of three (3') feet for inspection and testing.
7. In addition to verifying that the system meets all minimum requirements of the City of Euless and TCEQ Chapter 344 rules and the City of Euless irrigation ordinance, the irrigation inspector shall:
 - a. Verify the backflow prevention assembly has been tested and collect the Backflow Assembly test report. The backflow test report shall be given to the irrigation inspector. A final inspection may not be completed until verification of the receipt of the test report. If the backflow test report is not presented at the time of final inspection, a re-inspection fee may be assessed.
 - b. System walkthrough – A licensed irrigator or his/her designated representative shall conduct an operational demonstration in the presence of the irrigation inspector. The operation demonstration shall include the operation of all stations contained within the irrigation system.
 - c. Any variances from the approved plan shall be reflected and indicated on the AS-BUILT plans in RED ink and show that they do not violate the ordinances of the City of Euless or TCEQ requirements.
 - d. Irrigators and irrigation contractors shall complete a Certificate of Completion form which will be given to the irrigation inspector prior to the issuance of a final inspection.
 - e. Acceptance of the installation of an irrigation system shall be identified by the issuance of a green tag.



CITY OF EULESS BUILDING INSPECTION STAFF

Staff Member	Title	Direct Phone Number	Email Address
Jim Moy	Building Official	817-685-1656	jmoy@eulesstx.gov
Jeff Lee	Senior Inspector	817-685-1640	jlee@eulesstx.gov
	Inspector II	817-685-1631	
Deborah Howard	Permit Technician	817-685-1630	dhoward@eulesstx.gov

Building Inspections
201 N. Ector – Euless, Texas 76039
(817) 685-1630 – FAX (817) 685-1628
Building Inspections

IRRIGATION INSPECTION STANDARDS AS OF JANUARY 1, 2009

The Texas Legislature adopted **House Bill 1656** requiring the Texas Commission on Environmental Quality (TCEQ) to adopt rules for landscape irrigators for the purpose of conserving water.

TCEQ subsequently revised **Chapter 344 of the TEXAS ADMINISTRATIVE CODE** and now requires all new landscape irrigation systems and certain altered systems to comply with the new rules. The complete Chapter 344 is available at: <http://www.tceq.state.tx.us/rules/index.html>

Cities over 20,000 in population, including Euless, are required to enforce the minimum standards and specifications for designing, installing and operating irrigation systems in accordance with Section 1903.53 Occupations Code, and the rules adopted by the TCEQ under that section.

EFFECTIVE JANUARY 1, 2009

Policy:

1. **A permit is required before installation or alteration of an irrigation system.**
2. **Plans shall be submitted with any permit application per Section 344.61 of the TCEQ rules.** The City of Euless will review plans to verify all the required information is shown.
3. **Permit Application Fee: (Fees Effective May 2010)**
 - Residential (Single Family/Two-Family/Townhome) **Fee calculated by table found in Section 30-13(a) Euless Code of Ordinances based on work valuation. Work valuation for residential systems will be calculated at \$1.00 per square foot of landscape to be irrigated.**
 - Commercial (All Commercial and Multi-Family) **Fee calculated by table found in Section 30-13(b) Euless Code of Ordinances based on work valuation provided by cost estimates from the contracting installer.**
4. **Plan Review and Inspection Fee: \$100.00. This fee shall be paid at time of plan submittal.**
5. **Note: *Rain and Freeze Sensors are required in all systems.***
6. **Post permit:** Permit shall remain posted in front window of property until the irrigation project is complete, paperwork has been filed, and final approval is granted by the irrigation inspector.
7. **Prior to the final inspection of the system, the following must be submitted to the City of Euless through the irrigation inspector:**
 - a. **State required backflow prevention assembly test and maintenance report.**
 - b. **Copy of the final walk through check list signed by the irrigator and owner.**
 - c. **An as-built plan showing any changes from the original plan.**
8. **Final Inspection (Residential Systems)** Upon the permit holder's request and receipt of items in number 6 above, the irrigation inspector will check the installation of the backflow protection and the rain/freeze sensors.
9. **Final Inspection (Commercial Systems)** In addition to the requirements of the final inspection of Residential Systems, commercial systems will be inspected for compliance with the City of Euless landscape and zoning requirements.
10. **Any violations** discovered due to complaints or due to other reasons will be investigated and called to the attention of the owner or manager of the property as well as the permit holder.
11. **NOTE: Failure to obtain final inspection before permit expiration may result in revocation of your contractor registration.**



IRRIGATION PLAN REQUIREMENTS

This information is required on all planset submittals. If this information is not provided within the planset then the information must be provided within this form.

Description

- Two sets of irrigation plans with a 10 pt font size on minimum 11”X17” plan sheet size.
- Plan scale identified: _____
- Irrigation Seal/Date/Signature: _____
 - o Property Owner Name: _____
 - o Contractor Name: _____
- Property features/improvements boundaries identified
- North Arrow.
- Legend indentifying all icons used within plan.
- Stations/Emissions Devices identified:

Station	Location	GPM	Type	MFG	Quantity
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

- Controller:

Controller #	Location	Type/MFG	Size

Irrigation Plan Requirements Page 2

Sensor:

Type	Location	Type/MFG
Rain		
Freeze		

Water Source

- Building Supply Meter
- Irrigation Meter
 - o Size: _____

Backflow Prevention Device

- Location (Ten (10') feet from back of curb minimum)
- Type
- Manufacturer

Design Pressure

- PSI

Valves

- Isolation (Ten (10') feet from back of curb minimum)
- Y-Strainer
- Master

Pressure Regulator Required (If applicable)

- Yes
- No

Main Line

- Material Type: _____
- Size: _____

Lateral Lines

- Material Type: _____
- Size: _____

Electrical Supplies

- Number _____

#	Information and Location
1	
2	
3	
4	
5	
6	
7	

BACKFLOW PREVENTION ASSEMBLY TEST AND MAINTENANCE REPORT

This form must be completed for each assembly tested. A signed and dated original must be submitted to the City of Euless for record keeping purposes.

NAME OF PWS: **CITY OF EULESS**
 PWS I.D.#: 2200031

MAILING ADDRESS: _____
 CONTACT PERSON: _____
 LOCATION OF SERVICE (address): _____

The backflow prevention assembly detailed below has been tested and maintained as required by commission regulations and is certified to be operating within acceptable parameters.

TYPE OF ASSEMBLY

- | | |
|---|--|
| <input type="checkbox"/> Reduced Pressure Principle | <input type="checkbox"/> Reduced Pressure Principle-Detector |
| <input type="checkbox"/> Double Check Valve | <input type="checkbox"/> Double Check-Detector |
| <input type="checkbox"/> Pressure Vacuum Breaker | <input type="checkbox"/> Spill-Resistant Pressure Vacuum Breaker |

Manufacturer: _____ Size: _____
 Model Number: _____ Located at: _____
 Serial Number: _____

Is the assembly installed in accordance with manufacturer recommendations and/or local codes? _____

	Reduced Pressure Principle Assembly			Pressure Vacuum Breaker	
	Double Check Valve Assembly		Relief Valve	Air Inlet	Check Valve
	1 st Check	2 nd Check			
Initial Test	Held at ___psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Held at ___psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at ___psid Did not open <input type="checkbox"/>	Opened at ___psid Did not open <input type="checkbox"/>	Held at ___psid Leaked <input type="checkbox"/>
Repairs and Materials Used					
Test after repair	Held at ___psid Closed Tight <input type="checkbox"/>	Held at ___psid Closed Tight <input type="checkbox"/>	Opened at ___psid	Opened at ___psid	Held at ___psid

Test gauge used: Make/Model: _____ SN: _____ Date Tested for Accuracy _____

Remarks: _____

The above is certified to be true at the time of testing:

Firm Name: _____ Certified Tester(print) _____

Firm Address _____ Certified Tester (signature) _____

Firm Phone Number _____ Cert. Tester No. _____ Date _____

Firm Email Address _____

***TEST RECORDS MUST BE KEPT FOR AT LEAST THREE YEARS**
****USE ONLY MANUFACTURER'S REPLACEMENT PARTS**



APPLICATION FOR LAWN SPRINKLER PERMIT
(ALL SYSTEMS SHALL HAVE RAIN & FREEZE PROTECTION)
(BACKFLOW CERTIFICATION IS REQUIRED BEFORE INSPECTION)

Job address: _____

Description of work: _____

Contractor name: _____

Address: _____

City and state: _____ Zip: _____

Phone: _____ State and license no: _____

LAWN SPRINKLER SYSTEM

Commercial System - Value of work: \$ _____ (fee based on total value)

Residential System – Total Square Footage Irrigated _____ (fee based on valuation of \$1.00 per sqft)

Does this construction project have an excavation depth in excess of 5 feet? Yes No
If yes, detailed plans and specification of the project signed and sealed by a registered engineer or architect that meet OSHA standards must be submitted.

I hereby certify that the foregoing is complete and correct to the best of my knowledge and that the said work will be done in conformance with the City of Euless plumbing codes.

SIGNED: _____
OWNER OR CONTRACTOR

PRINT NAME CLEARLY

FOR OFFICE USE ONLY

Date Paid:	Permit #:
Receipt #:	Date Entered:
By:	By:
Permit Fee:	

Comments to Print on Permit: _____
