



## **FIRE SPRINKLER UNDERGROUND/PRIVATE FIRE SERVICE MAIN REQUIREMENTS**

- The Wylie Prevention/Community Risk Reduction Division requires three copies of system underground drawings.
- PDF—System drawings.
- Reduced Pressure Zone Back Flow Preventer with detector meter, and indicating gate valves must be installed in the riser room.
- Notarized letter certifying plans meet the Uniform Fire Code 2006.
- A copy of licensed certificate should also be attached to notarized letter.
- A copy of the responsible party's driver's license is required for all Contractor Registrations.
- Plans must be reviewed and stamped by Reed Fire Protection Engineering, 14135 Midway Rd., #Suite G260, Addison, TX 75001; 214-638-7599. Fees associated with the third party plan review are the responsibility of the company submitting the plans. Contact Reed Fire Protection for submittal requirements.

### **TYPES OF INSPECTIONS REQUIRED:**

- The Wylie Prevention/Community Risk Reduction Division must perform both Visual and Hydrostatic inspections of sprinkler system and underground systems. Please call (972) 442-8110, 48-hours in advance, to schedule an appointment for acceptance testing.

### **PLAN APPROVAL**

- A representative of the Wylie Prevention/Community Risk Reduction Division must inspect and implement a plan review. If the plan review is completed successfully, a set of signed plans stating the Wylie Prevention/Community Risk Reduction Division has approved and verified components to the best of their knowledge. A letter stating facts of the review will also be provided. The submitter of the plans will be contacted in reference to the plan review completion. Please allow a ten-day turnaround for this process. Permits will be issued after plans have been reviewed and approved.

**FEE:     \$250.00     Checks or Exact Change Required**

**CONTRACTOR FEE: Exempt**

***PERMIT HOLDER IS RESPONSIBLE FOR REQUESTING AND COMPLETING ALL REQUIRED INSPECTIONS.***



## Visual Inspections

- a) Have city approved plans on site
- b) Prepare trench—minimum 4' depth
- c) Line the bottom of the trench with a minimum of 12" of sand.
- d) Place approved pipe with all wording facing upward on top of the sand.
- e) Install all thrust blocks according to NFPA 24
- f) Complete the embedment by placing sand completely around the pipeline  $\frac{3}{4}$  up on both sides
- g) Have sand placed next to the trench—DO NOT PLACE ANY ON THE PIPELINE
- h) Call 972-442-8110, 24-hours in advance, to make an appointment for a visual inspection

\*\*No tests will be conducted without approved plans, when raining or water in the trench.

\*\*All threaded rod and nuts must be stainless steel.

## Hydrostatic Testing

### *PROCEDURES: Hydrostatic Testing*

- a) Have city approved plans on site
- b) Center load or cover pipeline with a minimum of 12" of sand—NO BACKFILL MATERIAL
- c) Leave all joints open for inspection approximately 2' on both sides if center loaded only
- d) Fill pipeline with water approximately 48 hours in advance to ensure all air is removed
- e) Apply test pressure at 50 psi increments up to 200 psi to stabilize the system
- f) Let stand and call 972-442-8110, 48-hours in advance, to schedule inspection
- g) Maintain 200 psi for two hours
- h) Distribute sand to a minimum of 6" over entire length of the pipeline and tamp in place
- i) Backfill with select material

\*\*No tests will be conducted without approved plans, when raining, or water in the trench.

### *PROCEDURES: Flushing*

\*\*If at all possible schedule the flush just after the hydrostatic test

- --Up to 8" pipeline must be flushed with a 4" or two 2  $\frac{1}{2}$ " hose line connections
- 10" or greater must be flushed with 6" hose connection



PERMIT APPLICATION

**FIRE SPRINKLER UNDERGROUND INSTALLATION**

- Reed Review*
- Three copies of system drawings with appropriate seals, signatures and license information.*
- PDF-System Drawing*
- Permit Application*
- Copy of RME license*
- Notarized letter*
- Copy of responsible party's driver license*

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**Installer/Company**

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Representative's Name:** \_\_\_\_\_ **Telephone No.:** \_\_\_\_\_

**Job Name and Address:**

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\_\_\_\_\_

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**Contractor Name (if different than above):** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Representative's Name:** \_\_\_\_\_

**Telephone No.:** \_\_\_\_\_

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**Date of Contractor Registration if not due:** \_\_\_\_\_

**Contractor Registration Renewal or Payment Date:** \_\_\_\_\_

**Permit Fee \$250.00**

**Date:** \_\_\_\_\_ **Check #:** \_\_\_\_\_ **Cash:** \_\_\_\_\_ **Receipt No.:** \_\_\_\_\_