State Fire
Marshal's Office
PO Box 12107 | Austin, TX 78711 | 512-676-6800 | tdi.texas.gov/fire

SF042 | 0322

Contractor's Material and Test Certificate for Underground Piping

Procedure
Upon completion of the work, inspection, and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected, and the system left in service before contractor's personnel leave the job for the final time.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for the approving authorities, owners, and the contractor. It is understood the owner's representative's signature in no way prejudices any claim against the contractor for faulty material, poor workmanship, or failure to comply with the approving authority's requirements or local ordinances.

Property name		Date	
Property address	City	State	Zip

Plans	Accepted by approving authorities (names) Address Does the installation conform to the accepted plans? ☐ Yes ☐ No Was the equipment used approved? ☐ Yes ☐ No If no, state deviations:
Instructions	Has the person in charge of the fire equipment been instructed as to the location of the control valves and care and maintenance of this new equipment? ☐ Yes ☐ No If no, explain: Have copies of the appropriate instructions and care and maintenance charts been left on premises? ☐ Yes ☐ No If no, explain:
Location	Supplies buildings:
Underground Pipes and Joints	Pipe types and class: Type joints: Pipe conforms to _____ Standard ☐ Yes ☐ No Fittings conform to _____ Standard ☐ Yes ☐ No If no, explain: Joints needed anchorage clamped, strapped, or blocked in accordance with _____ standard. ☐ Yes ☐ No If no, explain:
Test Description	**Flushing**: Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 390 GPM (1476 L/min) for 4-inch pipe, 880 GPM (3331 L/min) for 6-inch pipe, 1560 GPM (5905 L/min) for 8-inch pipe, 2440 GPM (9235 L/min) for 10-inch pipe, and 3520 GPM (13323 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available. **Hydrostatic**: Hydrostatic tests shall be made at not less than 200 psi (13.8 bars) for two hours or 50 psi (3.4 bars) above static pressure In excess of 150 psi (10.3 bars) for two hours. **Leakage**: New pipe laid with rubber gasketed joints shall, if the workmanship is satisfactory, have little or no leakage at the joints. The amount of leakage at the joints shall not exceed 2 quarts per hour (1.89 L/hr.) per 100 joints irrespective of pipe diameter. The leakage shall be distributed over all joints. If such leakage occurs at a few joints, the installation shall be considered unsatisfactory and necessary repairs made. The amount of allowable leakage specified above can be increased by 1 fl. oz per inch valve diameter per hour (30 mL/25 mm/hr.) for each metal seated valve isolating the test section. If dry barrel hydrants are tested with the main valve open so the hydrants are under pressure, an additional 5 oz per minute (150 mL/min) leakage is permitted for hydrant.
Flushing Tests	New underground piping flushed according to _____ standard by (company) ☐ Yes ☐ No If no, explain: How flushing flow was obtained: ☐ Public water ☐ Tank or reservoir ☐ Fire pump Through what type of opening: ☐ Hydrant butt ☐ Open pipe Lead-ins flushed according to _____ standard by (company) ☐ Yes ☐ No If no, explain: How the flushing flow obtained: ☐ Public water ☐ Tank or reservoir ☐ Fire pump Through what type of opening: ☐ Y connection to flange spigot ☐ Open pipe

Hydrostatic Test	All new underground piping hydrostatically tested at _____ psi for _____ hours. Joints covered? ☐ Yes ☐ No		
Leakage Test	Total amount of leakage measured _____ gallons _____ hours Allowable leakage _____ gallons _____ hours		
Hydrants	Number installed	Type and make	Did all operate satisfactorily? ☐ Yes ☐ No
Control Valves	Were the water control valves left wide open? ☐ Yes ☐ No If no, state reason: Are the hose threads of the fire department connections and hydrants interchangeable with those of the fire department answering alarm? ☐ Yes ☐ No		
Remarks	Date left in service: _____ _____ _____		

Signature	Name of installing contractor			Certificate of Registration number **SCR** -
	Contractor's address	City	State	Zip
	Tests witnessed by			
	Property owner signature	Title		Date
	Installing contractor signature	Title		Date

Additional explanation and notes

Responsible Managing Employee (RME) Certification	**I verify that the information on this certificate is true and correct. I verify that this sprinkler system was installed according to Chapter 6003 of the Texas Insurance Code and Section 34.700 of Texas Administrative Code, Title 28, the Fire Sprinkler Rules.**	
	RME signature	
	RME name (print or type)	
	RME license number	Date

Distribution: Original COPY 1 to be posted at the site or given to the owner. COPY 2 for the installing firm in a file accessible to the SFMO. COPY 3 for the local approving authority within 10 days after completion.