Contractor's Material and Test Certificate for Underground Piping									
representative. All A certificate shall to contractor. It is un	of work, inspection and tests shall be made by the condetests shall be corrected and system left in service of illed out and signed by both representatives. Conderstood the owner's representative's signature in realitive to comply with approving authority's requirementative.	e before contractor' pies shall be prepa no way prejudices a	s personnel finally leav red for approving authoring contra iny claim against contra	e the job. orities, owners					
Property name	., ., .,		Date						
Property address									
Plans	Accepted by approving authorities (names)								
	Address								
	Installation conforms to accepted plans Equipment used is approved If no, state deviations			Yes Yes	No No				
Instructions	Has person in charge of fire equipment been instrucontrol valves and care and maintenance of this nell fino, explain		of	Yes	□ No				
	Have copies of appropriate instructions and care a charts been left on premises? If no, explain	and maintenance		Yes	□ No				
Location	Supplies buildings								
Underground pipes and joints	Pipe types and class	Туре	joint						
	Pipe conforms to standa litings conform to standa litino, explain			Yes Yes	No No				
	Joints needed anchorage clamped, strapped, or bl accordance with standard lf no, explain	locked in		Yes	□ No				
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-in. pipe, 880 gpm (3331 L/min) for 6-in. pipe, 1560 gpm (5905 L/min) for 8-in. pipe, 2440 gpm (9235 L/min) for 10-in. pipe, and 3520 gpm (13,323 L/min) for 12-in. 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 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.3 bar) for 2 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 fluid ounce per inch valve diameter per hr. (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 ounces per minute (150 mL/min) leakage is permitted for each hydrant.								
Flushing tests	New underground piping flushed according to standard by (company)  If no, explain			Yes	☐ No				
	How flushing flow was obtained  Public water  Tank or reservoir	what type opening							
	Lead-ins flushed according to  If no, explain	standard by (d	company)	☐ Yes	□ No				
	How flushing flow was obtained Public water Tank or reservoir	Fire pump	Through  Y connection to and spigot	what type ope o flange	ening Open pipe				

## FIGURE 10.10.1 Sample of Contractor's Material and Test Certificate for Underground Piping.

Hydrostatic test	All new underground piping hydrostatically tested at			Joints covered				
	psi				Yes	☐ No		
	Total amount of leakage measured							
Leakage test	gallons		hours					
	Allowable leakage							
	gallons		hours					
Hydrants	Number installed	Type and make		All operate	satisfactorily			
					Yes	☐ No		
	Water control valves left wide If no, state reason	open			Yes	☐ No		
Control valves	ii iio, state reasori							
	Hose threads of fire department connections and hydrants interchangeable with			Yes	☐ No			
	those of fire department answering alarm							
	Date left in service							
Remarks								
	Name of installing contractor							
Signatures	Tests witnessed by							
	For property owner (signed)		Title		Date			
	En installing and a design of	-45	Tale					
	For installing contractor (signe	(d)	Title		Date			
Additional explanation and notes								