Contractor's Material and Test Certificate for Underground Piping								
PROCEDURE Upon completion of representative. All	of work, inspection and tests shall be made by the contractor's repre defects shall be corrected and system left in service before contrac	esentative and witnesse tor's personnel finally le	d by an owner's eave the job.					
A certificate shall to contractor. It is un	be filled out and signed by both representatives. Copies shall be predeterstood the owner's representative's signature in no way prejudice allure to comply with approving authority's requirements or local ord	epared for approving au	thorities, owners, and	poor				
Property name	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date					
Property address		· · · · · · · · · · · · · · · · · · ·						
Plans	Accepted by approving authorities (names)							
	Address							
	Installation conforms to accepted plans Equipment used is approved		Yes Yes	□ No □ No				
	If no, state deviations			·				
Instructions	Has person in charge of fire equipment been instructed as to local control valves and care and maintenance of this new equipment? If no, explain		☐ Yes	□ No				
	Have copies of appropriate instructions and care and maintenant charts been left on premises? If no, explain	ce	☐ Yes	□ No				
Location	Supplies buildings							
	Pipe types and class	Type joint						
Underground pipes and joints	Pipe conforms to standard Fittings conform to standard If no, explain		Yes	□ No □ No				
	Joints needing anchorage clamped, strapped, or blocked in accordance with ————————————————————————————————————		☐ Yes	□ No				
Test description	Elushing: 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: All piping and attached appurtenances subjected to system working pressure shall be hydrostatically tested at 200 psi (13.8 bar) or 50 psi (3.4 bar) in excess of the system working pressure, whichever is greater, and shall maintain that pressure $\pm$ 5 psi for 2 hours.  Hydrostatic Testing Allowance: Where additional water is added to the system to maintain the test pressures required by 10.10.2.2.1, the amount of water shall be measured and shall not exceed the limits of the following equation (For metric equation, see 10.10.2.2.4): $L = \frac{SD\sqrt{P}}{148,000}$ $L = \text{testing allowance (makeup water), in gallons per hour}$ $S = \text{length of pipe tested, in feet}$ $D = \text{nominal diameter of the pipe, in inches}$ $P = \text{average test pressure during the hydrostatic test, in pounds per square inch (gauge)}$							
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  Fire pump	Th	hrough what type opening					
	Lead-ins flushed according to standard to	by (company)	Yes	☐ No				
	How flushing flow was obtained Public water Tank or reservoir Fire pump	Y connection t and spigot	hrough what type opening o flange	olpe				
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FIGURE 10.10.1 Sample of Contractor's Material and Test Certificate for Underground Piping. [24: Figure 10.10.1]

Hydrostatic	All new underground piping hy	drostatically tested at			Joints co	vered
test	psi for hours			☐ Yes	☐ No	
	Total amount of leakage meas	ured			-	
Leakage test	gallons		hours			
	Allowable leakage					
	gallons		hours	1		
Hydrants	Number installed Type and make		A		te satisfactorily  Yes	☐ No
Control valves	Water control valves left wide If no, state reason	open		L	Yes	□ No
70.1 <b>7</b> 03	Hose threads of fire department connections and hydrants interchangeable with those of fire department answering alarm		Yes	☐ No		
-	Date left in service					
Remarks						
	Name of installing contractor	_				
	Tests witnessed by			<del> </del>		
Signatures	For property owner (signed)		Title		Date 	
	For installing contractor (signe	d)	Title		Date	
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FIGURE 10.10.1 Continued