## **Automatic Sprinkler Systems**

## **Contractor's Material and Test Certificate for Underground Piping**

## **PROCEDURE**

Upon completion of 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 system left in service before contractor's personnel finally leave the job.

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

Property Name:		Date:					
Property Address:							
Plans	Accepted by approving authorities (names)						
	Address						
	Installation conforms to accepted plans		Yes	☐ No			
	Equipment used is approved		Yes	☐ No			
	If no, state deviations	_					
Instructions	Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment?		Yes	☐ No			
	If no, explain	_					
	Have copies of appropriate instructions and care and maintenance charts been left on the premises?		Yes	No			
	If no, explain	_					
Location	Supplies buildings						
Underground pipes and joints	Pipe types and class Type	joint					
	Pipe conforms to standard	_	Yes	☐ No			
	Fittings conform to standard		Yes	☐ No			
	If no, explain						
	Joints needed anchorage clamped, strapped, or blocked in in accordance with standard		Yes	☐ No			
	If no, explain						

Test description	foreign material in burlap bags at outlets such as hyd flows not less than 390 gpm (1476 L/min) for 4 in. p. 6 in. pipe, 1560 gpm (5905 L/min) for 8 in. pipe, 244 pipe, and 3520 gpm (13,323 L/min) for 12 in. pipe. V stipulated flow rates, obtain maximum available. Hydrostatic: All piping and attached appurtenances s pressure shall be hydrostatically tested at 200 psi (13 excess of the system working pressure, whichever is pressure $\pm$ 5 psi for 2 hours. Hydrostatic Testing Allowance: Where additional was maintain the test pressures required by 10.10.2.2.1, the measured and shall not exceed the limits of the followequation, see 10.10.2.2.4): $L = \frac{SD \sqrt{P}}{148,000}$ $L = \frac{SD \sqrt{P}}{148,000}$ $L = \frac{L}{L} $	tatic: All piping and attached appurtenances subjected to system working e shall be hydrostatically tested at 200 psi (13.8 bar) or 50 psi (3.4 bar) in of the system working pressure, whichever is greater and shall maintain that e ± 5 psi for 2 hours.  tatic Testing Allowance: Where additional water is added to the system to in the test pressures required by 10.10.2.2.1, the amount of water shall be ed and shall not exceed the limits of the following equation (for metric in, see 10.10.2.2.4):					
Flushing tests	New underground piping flushed according to Yes No standard by (company)  If no, explain						
	How flushing was obtained	Through what type opening					
	Public water Tank or Fire pump reservoir	Hydrant butt Open pipe					
	Lead-ins flushed according tostandard by	Yes No					
	If no, explain						
	How flushing was obtained	Through what type opening					
	Public water Tank or Fire pump reservoir	Y connection Open to flange and pipe spigot					
Hydrostatic	All underground piping hydrostatically tested at	Joints covered					
test	psi For hours	Yes No					

	Total amount of leakage measur	ed			
	hours				
Leakage test	Allowable leakage				
	hours				
Hydrants	Number installed	Type and make	All operate satisfactorily		
			Yes No		
	Water control valves left wide open		Yes No		
	If no, state reason				
Control valves					
	Hose threads of fire department connect interchangeable with those of fire department.		Yes No		
Remarks	Date left in service				
	Name of installing contractor				
	Tests witnessed by				
Signatures	For property owner (signed)	Title	Date		
	For installing contractor (signed)	Title	Date		
Additional explana	ation and notes:				