



## DRAPER CITY FIRE DEPARTMENT - FIRE PREVENTION DIVISION

### 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 leave the job.

This certificate shall be filled out and signed as indicated. 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 the approving authority's requirements or local ordinances.

**Property Name and Address:**

Accepted by approving authorities (names) DRAPER CITY FIRE DEPARTMENT

Address: **1020 East Pioneer Road Draper, Utah 84020**

**Plans**

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 premises?  Yes  No  
If no, explain \_\_\_\_\_

**Location**

Supplies buildings

**Underground Pipes and joints**

Pipe types and class	Type joint
Pipe conforms to _____ standard	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fittings conform to _____ standard	<input type="checkbox"/> Yes <input type="checkbox"/> No
If no, explain _____	
Joints needed anchorage clamped, strapped, or blocked in accordance with <u>NFPA standards</u> .	<input type="checkbox"/> Yes <input type="checkbox"/> 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 for 4-in. pipe, 880 gpm for 6-in. pipe, 1560 gpm for 8-in. pipe, 2440 gpm for 10-in pipe, and 3520 gpm 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 for 2 hours or 50 psi above static pressure in excess of 150 psi for 2 hours.

**Hydrostatic Testing Allowance:** Where additional water is added to the system to maintain the test pressures, the amount of water shall be measured and shall not exceed the limits of the following equation.

$$L = \frac{SD\sqrt{P}}{148,000}$$

L = testing allowance (makeup water), in gallons per hour  
 S = length of pipe tested, in feet  
 D = nominal diameter of pipe, in inches  
 P = average test pressure during the hydrostatic test, in psi gauge.

**Flushing Tests**

New underground piping flushed according to \_\_\_\_\_ standard by (company)  Yes  No  
If no, explain \_\_\_\_\_

How flushing flow was obtained <input type="checkbox"/> Public water <input type="checkbox"/> Tank or reservoir <input type="checkbox"/> Fire pump	Through what type opening <input type="checkbox"/> Hydrant butt <input type="checkbox"/> Open pipe
Lead-ins flushed according to standard by _____ (company) If no, explain _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
How flushing flow was obtained <input type="checkbox"/> Public Water <input type="checkbox"/> Tank or reservoir <input type="checkbox"/> Fire Pump	Through what type opening <input type="checkbox"/> Y connection to flange and spigot <input type="checkbox"/> Open pipe

<b>Hydrostatic Test</b>	All new underground piping hydrostatically tested at _____ psi for _____ hours		Joints Covered <input type="checkbox"/> Yes <input type="checkbox"/> No					
<b>Leakage Tests</b>	Total amount of leakage measured _____ gallons _____ hours							
	Allowable leakage _____ gallons _____ hours							
<b>Hydrants</b>	Number Installed	Type and make	All operate satisfactorily <input type="checkbox"/> Yes <input type="checkbox"/> No					
<b>Control Valves</b>	Water control valves left wide open If no, state reason		<input type="checkbox"/> Yes <input type="checkbox"/> No					
	Hose threads of fire department connection and hydrants interchangeable with those of fire department answering alarm.		<input type="checkbox"/> Yes <input type="checkbox"/> No					
<b>Remarks</b>	<b>Date left in service</b>							
<b>Signatures</b>	Name of installing contractor							
	<b>Tests Witnessed By</b>							
	For property owner (signed)	Title	Date					
	For installing contractor (signed)	Title	Date					
<b>Additional explanation and notes</b>								
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