

PERMIT #: \_\_\_\_\_

PARCEL #: \_\_\_\_\_

# CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING

### Procedure

Upon completion of work, inspection and tests shall be made by 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 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 \_\_\_\_\_

<b>PLANS</b>	ACCEPTED BY APPROVING AUTHORITY('S) NAMES <b>San Luis Obispo County Fire</b>	
	ADDRESS <b>635 N. Santa Rosa St. San Luis Obispo CA 93405</b>	
	INSTALLATION CONFORMS TO ACCEPTED PLANS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EQUIPMENT USED IS APPROVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, STATE DEVIATIONS:	

<b>INSTRUCTIONS</b>	HAS THE PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT. IF NO, EXPLAIN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS BEEN LEFT ON THE PREMISES. IF NO, EXPLAIN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

<b>LOCATION</b>	SUPPLIES BLDGS.
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<b>UNDERGROUND PIPES AND JOINTS</b>	PIPE TYPES AND CLASS	TYPE JOINT
	PIPE CONFORMS TO <u>NFPA 24</u> STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO FITTINGS CONFORM TO <u>NFPA 24</u> STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN	
	JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH <u>NFPA 24</u> STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN	

<b>TEST DESCRIPTION</b>	<p><b>FLUSHING:</b> 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 400 gpm (1514 l/min) for 4-inch pipe, 600 gpm (2271 l/min) for 5-inch pipe, 900 gpm (2839 l/min) for 6-inch pipe, 1600 gpm (3785 l/min) for 8-inch pipe, 2440 gpm (5678 l/min) for 10-inch pipe, and 3520 gpm (7570 l/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.</p> <p><b>HYDROSTATIC:</b> 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.</p> <p><b>LEAKAGE:</b> 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 qts per hr (1.89 l/h) 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 may be increased by 1 fl oz Per in. valve diameter per hour (30 mL/25 mm/h) 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/min leakage is permitted for each hydrant.</p>
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<b>FLUSHING TESTS</b>	NEW UNDERGROUND PIPING FLUSHED ACCORDING TO <u>NFPA 24</u> STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO BY: (COMPANY) _____ IF NO, EXPLAIN	
	HOW FLUSHING FLOW WAS OBTAINED <input type="checkbox"/> PUBLIC MAIN <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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO BY: (COMPANY) _____	
	HOW FLUSHING FLOW WAS OBTAINED <input type="checkbox"/> PUBLIC MAIN <input type="checkbox"/> TANK OR RESERVOIR <input type="checkbox"/> FIRE PUMP	THROUGH WHAT TYPE OPENING <input type="checkbox"/> Y CONN TO FLANGE & SPIGOT <input type="checkbox"/> OPEN PIPE

<b>HYDROSTATIC TESTS</b>	ALL NEW UNDERGROUND PIPING HYDROSTATICALLY TESTED AT _____ PSI FOR _____ HOURS		
<b>LEAKAGE TEST</b>	TOTAL AMOUNT OF LEAKAGE MEASURED _____ GALS. OVER _____ HOURS		
	ALLOWABLE LEAKAGE _____ GALS. OVER _____ 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	HOSE THREADS OF FIRE DEPARTMENT CONNECTIONS AND HYDRANTS INTERCHANGEABLE WITH THOSE OF FIRE DEPARTMENT ANSWERING ALARM		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>REMARKS</b>	DATE LEFT IN SERVICE		
<b>SIGNATURES</b>	NAME OF INSTALLING CONTRACTOR		
	<b>TESTS WITNESSED BY</b>		
	FOR PROPERTY OWNER (SIGNED)	TITLE	DATE
	FOR INSTALLING CONTRACTOR (SIGNED)	TITLE	DATE

ADDITIONAL EXPLANATIONS AND NOTES