

Contractor's Material & 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 _____
PROPERTY ADDRESS _____ **DATE:** _____

PLANS	ACCEPTED BY APPROVING AUTHORITIES (NAMES)	
	ADDRESS	
	INSTALLATION CONFORMS TO ACCEPTED PLANS	<input type="checkbox"/> YES <input type="checkbox"/> NO
	EQUIPMENT USED IS APPROVED	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF NO, STATE DEVIATIONS	
INSTRUCTIONS	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE & MAINTENANCE OF THIS NEW EQUIPMENT?	
		<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF NO, EXPLAIN	
	HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE & MAINTENANCE CHARTS BEEN LEFT ON PREMISES?	
		<input type="checkbox"/> YES <input type="checkbox"/> 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 NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH _____ STANDARD	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF NO, EXPLAIN	

TEST DESCRIPTION as per 10-2.2 of NFPA

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 390GPM(1476L/min)for a 4"pipe, 880 GPM (3331 L/min)for 6"pipe, 1560 GPM (5905 L/min)for 8" pipe, 2440GPM (9235 L/min) for 10"pipe, and 3520GPM (13323 L/min) for 12" pipe. When supply cannot produce stipulated flow rates, obtain maximum available.

HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.8bars) for two hours or 50psi (3.4 bars) above static pressure in excess of 150psi (10.3 bars) for two hours.

LEAKAGE: New pipe laid with rubber gasket 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 2qts. 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 hr. (30mL/25mm/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 per minute (150 mL/min) leakage is permitted for each hydrant.

