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	

PLANS	ACCEPTED BY APPROVING AUTHORITY('S) NAMES	
	ADDRESS	
	INSTALLATION CONFORMS TO ACCEPTED PLANS	☐ YES ☐ NO
	EQUIPMENT USED IS APPROVED	☐ YES ☐ NO
	IF NO, STATE DEVIATIONS:	
INSTRUCTIONS	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	☐ YES ☐ NO
	HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS BEEN LEFT ON THE PREMISES. IF NO, EXPLAIN	☐ YES ☐ NO
LOCATION	SUPPLIES BLDGS.	

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 NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH _____ STANDARD IF NO, EXPLAIN	☐ YES ☐ NO	

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 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. HYDROSTATIC: 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. LEAKAGE: 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.

FLUSHING TESTS	NEW UNDERGROUND PIPING FLUSHED ACCORDING TO _____ STANDARD	☐ YES ☐ NO	
	BY: (COMPANY) IF NO, EXPLAIN		
	HOW FLUSHING FLOW WAS OBTAINED ☐ PUBLIC MAIN ☐ TANK OR RESERVOIR ☐ FIRE PUMP	THROUGH WHAT TYPE OPENING ☐ HYDRANT BUTT	☐ OPEN PIPE
	LEAD-INS FLUSHED ACCORDING TO _____ STANDARD BY: (COMPANY) IF NO, EXPLAIN	☐ YES ☐ NO	
	HOW FLUSHING FLOW WAS OBTAINED ☐ PUBLIC MAIN ☐ TANK OR RESERVOIR ☐ FIRE PUMP	THROUGH WHAT TYPE OPENING ☐ Y CONN TO FLANGE & SPIGOT	☐ OPEN PIPE