Contractor's Material and Test Certificate for Underground Piping

Installation of Sprinkler Sysytems

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.

Permit Information

1

Address: _____ Building/Suite: _____

Permit No.: _____

Building Owner / Owner's Agent

Provide the contact information for the building owner/owner's agent

2

Name: _____

Address: _____

Email: _____ Phone: _____

Contractor Information

Individual performing inspection and tests shall possess a valid FSSW license.

3

(a) Fire Suppression Systems (FSS) Contractor Information

Contractor Name: _____ FSS Contractor License #: _____

Email: _____ Phone: _____

Plans and Instructions

4

Installation conforms to accepted plans: ☐ Yes ☐ No Equipment used is approved: ☐ Yes ☐ No

Has owner or owner's agent been instructed as to location of control valves and care and maintenance of this new equipment? ☐ Yes ☐ No

Have copies of appropriate instructions and care and maintenance charts been left on premises? ☐ Yes ☐ No

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Underground pipes and joints

5

Pipe types and class: _____ Joint type: _____

Pipe conforms to: _____ standard ☐ Yes ☐ No

Fittings conform to: _____ standard ☐ Yes ☐ No

Joints needing anchorage clamped, strapped, or blocked in accordance with _____ standard ☐ Yes ☐ No

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Test description

6

Flushing: Flow the required rate until clear as indicated by no collection of foreign material in burlap bags at outlet such as hydrants and blow-offs. Flush in accordance with requirements of NFPA 13 Table 6.10.2.1.3

Hydrostatic: All piping and attached appurtenances subjected to system working pressure shall be hydrostatically tested at 200 psi (13.8 bar) or 50 psi (3.4 bar) in excess of the system working pressure, whichever is greater, and shall maintain that pressure +/- 5 psi (0.34 bar) for 2 hours.

Hydrostatic Testing Allowance: Where additional water is added to the system to maintain the test pressures required by NFPA 13, 6.10.2.2.1 the amount of water shall be measured and shall not exceed the limits of Table 6.10.2.2.6, which are based upon 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 pounds per square feet (gauge)

Tests:

A) Flushing test

B) Hydrostatic test

C) Leakage test

D) Forward flow test of backflow preventer

7

A) FLUSHING TEST:

New underground piping flushed according to _____ standard BY (company): _____

How flushing flow was obtained: ☐ Public water ☐ Tank / Reservoir ☐ Fire pump

Through what type of opening: ☐ Hydrant butt ☐ Open pipe

Lead-ins flushed according to _____ standard BY (company): _____

How flushing was obtained: ☐ Public water ☐ Tank / Reservoir ☐ Fire pump

Through what type of opening: ☐ Y connection to flange and spigot ☐ Open pipe

B) HYDROSTATIC TEST:

All new underground piping hydrostatically tested at: _____psi for _____hours

Joint covered: ☐ Yes☐ No

C) LEAKAGE TEST:

Total amount of leakage measured: _____ gallons for _____hours

Allowable leakage: _____ gallons for _____hours

D) FORWARD FLOW TEST OF BACKFLOW PREVENTER:

Forward flow test performed in accordance with NFPA 13,6.10.2.5.2: ☐ Yes ☐ No

Hydrants & Control Valves

8

Number of hydrants installed: _____ Type and make _____

All operate satisfactorily: ☐Yes ☐ No

Water control valves left wide open: ☐Yes ☐ No

Hose threads of fire department connections and hydrants interchangeable with those of fire department answering alarm: ☐ Yes ☐ No

Date left in service

9

_____

Additional explanation and notes

10

_____

_____

_____

Declaration & Signatures

By accepting this statement, I, the certified technician shown on this form, certify that this fire protection system(s) has been properly inspected for functional operation in accordance with the current NFPA standards for this system. The certification must be presented by the Contractor to the building owner/owner's agent upon completion and shall be uploaded to the Fire Suppression Permit.

Signature of Contractor: _____Date: _____

Signature of Property Owner / Owners Agent: _____Date: _____