

Vista Fire Department

175 N. Melrose Drive, Vista 92083

...SERVING THE CITY OF VISTA & THE VISTA FIRE PROTECTION DISTRICT

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 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.

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|---------------|------|
| Property name | Date |
|---------------|------|

Property address

| | | |
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| 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 | |

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| Instructions | Has 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 type="checkbox"/> Yes <input type="checkbox"/> No |
| | Have copies of appropriate instructions and care and maintenance charts been left on premises? If no, explain | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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| Location | Supplies buildings |
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|------------------------------|---|--|
| 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 _____ standard | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | If no, explain | |

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| Test description | <p>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 (1476 L/min) for 4-in. pipe, 880 gpm (3331 L/min) for 6-in. pipe, 1560 gpm (5905 L/min) for 8-in. pipe, 2440 gpm (9235 L/min) for 10-in. pipe, and 3520 gpm (13,323 L/min) for 12-in. pipe. When supply cannot produce stipulated flow rates, obtain maximum available.</p> <p>Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.8 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.3 bar) for 2 hours.</p> <p>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 quarts per hour (1.89 L/hr) 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 can be increased by 1 fluid ounce per inch valve diameter per hr. (30 mL/25 mm/hr) 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 ounces per minute (150 mL/min) leakage is permitted for each hydrant.</p> | |
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| Flushing tests | New underground piping flushed according to _____ standard by (company) | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | If no, explain | | |
| | How flushing flow was obtained | Through what type opening | |
| | <input type="checkbox"/> Public water <input type="checkbox"/> Tank or reservoir <input type="checkbox"/> Fire pump | <input type="checkbox"/> Hydrant butt <input type="checkbox"/> Open pipe | |
| | Lead-ins flushed according to _____ standard by (company) | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| | If no, explain | | |
| | How flushing flow was obtained | Through what type opening | |
| | <input type="checkbox"/> Public water <input type="checkbox"/> Tank or reservoir <input type="checkbox"/> Fire pump | <input type="checkbox"/> Y connection to flange and spigot <input type="checkbox"/> Open pipe | |

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

Additional certifications required by Inspector:
