



## PRIVATE WATER AND HYDRANT SYSTEM ACCEPTANCE INSPECTION 2006 IFC AND 2002 NFPA 24

Date of Review: \_\_\_\_\_ Permit Number: \_\_\_\_\_

Business/Building Name: \_\_\_\_\_ Address of Project: \_\_\_\_\_

Contractor: \_\_\_\_\_ Contractor's Phone: \_\_\_\_\_

Reference numbers following checklist statements represent an NFPA code section unless otherwise specified.

- | Pass                         | Fail                     | NA                       |  |
|------------------------------|--------------------------|--------------------------|--|
| 1. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Received Private Fire Service Main Installation Certification from installer.  |
| 2. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Approved drawing is on the site.   |
| 3. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Pipe size and configuration and hydrant locations are in compliance with the approved set of plans.  |
| 4. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Water flow test results from public water supply are provided.   |
| 5. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Depth of the pipe is in compliance with the approved set of plans.   |
| 6. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Pipe is fully ground supported its entire length; it is especially important for plastic pipe.   |
| 7. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Backfill is tamped in layers at least 6 in. under and around the pipe, and for trenches cut in rock, the backfill is tamped for at least 2 ft. above the pipe.   |
| 8. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | All bolted joint components are coated with asphalt or other corrosion-retarding product, if required by the AHJ or the local water purveyor.  |
| 9. <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | Size, type, and location of the valves are in compliance with the approved set of plans.   |
| 10. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All control valves are an indicating type.   |
| 11. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Size and location of the hydrants are in compliance with the approved set of plans.  |
| 12. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Hydrants have small stone fill around the base to allow for proper drainage.   |
| 13. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Hydrant outlets are not less than 18 in. above final grade and properly oriented for hose connection, 7.3.3.   |
| 14. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Hydrant is protected from mechanical damage, 7.3.5.  |
| 15. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All tees, plugs, caps, bends, and hydrant branches are restrained against movement; pipe clamps and tie rods, thrust blocks, locked mechanical or push-on joints, or other approved methods are used, 10.8.3.        |
| 16. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | When used, thrust blocks are provided at each change of direction including tees, plugs, caps, and bends, unless another restraining method is used such as rod and clamps, 10.8.1.                                  |
| 17. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Thrust blocks are concrete and sized according to the plans, and poured against compacted soil, 10.8.2, A.10.8.2.  |
| 18. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other restraining methods match the approved plans.  |
| 19. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All steel bolted joint assemblies shall be thoroughly coated for corrosion protection if required by the local water purveyor, 10.8.3.5.   |
| 20. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Pipe flushing requirements shall be 880 gpm for 6 in., 1,560 gpm for 8 in., 2,440 gpm for 10 in., 3,520 for 12 in., 10.10.2.1.   |
| 21. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | The hydrostatic test is witnessed and performed at 200 psi or 50 psi greater than the system working pressure for 2 hours with no pressure drop; leakage is limited to 2 quarts per hour per 100 joints, 10.10.2 .2. |
| 22. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | The hydrant flow test was witnessed, graphed, and documented. The results document the static pressure, residual pressure, and available gpm at 20 psi residual pressure.  |
| 23. <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Each dry barrel hydrant and control valve is opened and closed to verify water flow and drainage, 14.1.  |

**Additional Comments:**


Inspection Date: \_\_\_\_\_ Approved or Disapproved \_\_\_\_\_ FD Inspector: \_\_\_\_\_

Inspection Date: \_\_\_\_\_ Approved or Disapproved \_\_\_\_\_ FD Inspector: \_\_\_\_\_