



MARYSVILLE FIRE DISTRICT

REGIONAL FIRE AUTHORITY

Fire Marshal's Office

1635 Grove St. Marysville, WA 98270 - (360) 363-8500
MFInspectors@MFDRFA.org - www.marysvillefiredistrict.org



Standard for Fire Line Installation

1. **SCOPE**

This standard covers the permitting, installation, inspection, testing and maintenance of fire lines in the City of Marysville as administered by the city fire marshal (hereinafter referred to as the AHJ). The most current version of NFPA standards shall govern these installations.

Fire lines shall meet the requirements of these codes and standards, unless specifically amended or noted otherwise, and as approved by the AHJ:

- A. NFPA 24 standard for the Installation of Private Fire Service Mains and Appurtenances.
- B. NFPA 25 standard for ITM of Water Based Fire Protection Systems.
- C. The International Fire Code (IFC) as amended by the city and state.
- D. The Marysville Municipal Code (MMC) [Fire Code Chapter 9.04](#).

2. **DESIGN REQUIREMENTS**

- A. Systems shall be designed under the currently adopted codes.
- B. System designer qualifications shall comply with Chapter 212-80 WAC, Chapter 18.160 RCW, and Chapter 18.270 RCW as administered by the WSP (<http://www.wsp.wa.gov/fire-sprinklers/>).
- C. All plans and calculations shall be stamped with a valid Washington State certificate seal identifying the appropriate level of competency.
- D. Hydrants shall be within 3 to 10 feet of FDC(s).

3. **SUBMITTAL REQUIREMENTS**

- A. Working plans of the system(s), per NFPA 24.
- B. Manufacturer specification sheets for all materials used.
- C. Completed permit application through the City of Marysville.

4. **PERMITS**

A fire permit from the city's Building Department is required for all sprinkler installation and modification work. The application for a fire construction permit is available at [City of Marysville Permit Services \(marysvillewa.gov\)](#). Approved plans and permit inspection cards shall be available onsite for the permitted work. A permit is only valid for the contractor and work designated by the permit.

5. **EMERGENCY REPAIR WORK**

A permit is required for repairs. Emergency repairs may begin without a permit provided the system configuration is not altered and a permit application is submitted the next working business day. A fire inspection is required for final approval of all repair work.

6. CONTRACTOR LICENSING

Contractors must be WA licensed for the type of work performed. (U = Underground; Level 1 = 13D; Level 2 = 13R & 13D; Level 3 = 13, 13R, 13D & Underground). Proof of licensing shall be available onsite for all workers. **A copy of the installing contractor's U License shall be provided at the time of plan submittal** (unless otherwise approved).

7. UNDERGROUND PIPING

- A. Fire line permits shall be approved by the water supplier and the Marysville Fire District (MFD).
- B. AHJ approval required for tie in to underground fire lines. Contact 360-363-8525 and leave a voicemail. FMO staff will return your call as soon as possible.

8. INSPECTIONS

Fire inspections are required from the Marysville Fire District (MFD) for permitted work.

Scheduling Instructions: please use the permit portal with the City of Marysville to request all fire inspections via: [eTRAKiT \(marysvillewa.gov\)](http://eTRAKiT.marysvillewa.gov). MFD will contact you to confirm appointment time. If you are not contacted by 5pm the business day prior to the requested date, or if you need to reschedule, please call (360)363-8525 and leave a voicemail. Approved plans and permit inspection cards must be available on site during inspections. The installing contractor shall pretest all systems prior to requesting an inspection. If fire code violations are noted, correction will be required for approval and a re-inspection fee will be assessed via permitting services.

- 1. Thrust Block Inspection.** Thrust blocks shall be installed per city standard 2-130. Concrete forms must be visible to inspector to verify depth. Do not cover until approved.
- 2. Hydrostatic Testing.** 200 psi for 2 hours. Timestamped image required 2 hours prior to inspection time.
- 3. Flush and Final Acceptance.** Contractor shall pre-flush lines prior to inspection time. Jumper connection size shall match pipe diameter. Burlap bags shall be attached to end of hose lines for inspector verification that piping is clear of all debris. Ball drip function will be tested to ensure proper drainage of FDC. Knox locking caps shall be installed to protect pipe from debris.

9. DOCUMENTATION

A copy of the “**Contractor’s Material & Test Certificate for ‘Underground Piping’**” as required by NFPA 24 shall be provided to the AHJ **prior to above ground tie in**. Please email this form to MFInspectors@mfdrra.org.

10. MAINTENANCE

The installer shall provide to the owner/occupant instructions on inspecting, testing, and maintaining the system. The fire lines shall be inspected and tested periodically to make sure they are in good working condition. Sprinkler systems shall be maintained and tested per the procedures in NFPA 25 and manufacturers’ instructions.