



Grand Junction Fire Department



Supplemental Policy Clarification

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Number: 2021-01

Subject: Installation of Private Underground Fire Service Mains to Private Fire Hydrants

Reference: National Fire Protection Association (NFPA) 24 Standard for the Installation of Private Service Mains and Their Appurtenances, NFPA 13 Standard for the Installation of Sprinkler Systems Chapter 10; Colorado Division of Fire Prevention and Control (DFPC) and 8 CCR 1507-11; International Fire Code (IFC) 2018, 507.2.1.

Issue Date: December, 2021 Issued By: K. Yeager, Fire Prevention Specialist

Approval Date: December, 2021 Approved By: S. Kollar, Fire Marshal *SK*

Revision Date: _____ Revised By: _____

ISSUE

This policy shall identify alternative personnel to complete piping inspections and acceptance testing for the installation of private underground fire service mains to private hydrants. This policy shall apply only to private fire hydrants.

DISCUSSION

The Colorado Fire Suppression System Program (Program) rules are found in 8 CCR 1507-11. The Program rules stipulate those individuals performing inspections on Fire Suppression Systems, including underground private fire service mains, must be State certified as Fire Inspector II or higher, in accordance with the provisions of 8 CCR 1507-101 § 4.2.3B. The GJFD employs both, State certified Fire Suppression System Inspectors and Plans Examiners.

The Program rules also allow a local government to adopt ordinances or resolutions that may be different than those adopted by the Division of Fire Prevention and Control. Further stated in the Program rules, *"Municipalities, counties, fire protection districts and other local authorities employing certified Fire Suppression System Inspectors may enforce locally adopted codes, standards ordinances and/or resolutions governing the design and installation of Fire Suppression Systems, to the extent permitted by the adopting ordinance or resolution."*

The locally adopted code of the GJFD is the IFC, 2018 edition. The IFC Section 102.9 allows interpretations to be made by the fire code official. As such, the following interpretation and policy has been established by the GJFD.

DECISION

Contractor
Registered Fire Suppression Contractors-Underground shall ensure their projects are permitted and inspected in accordance with the following:

Private underground fire service mains to private hydrants shall be installed, inspected, and tested in accordance with NFPA 24, NFPA 13 (Chapter 10), the DFPC 8 CCR 1507-11, and this policy.

Two or More Private Hydrants

Where there are two or more installations of private hydrants and their associated private underground fire service supply lines to a project or site, it is acceptable for the Civil Engineer of Record to complete the required piping inspection(s) and acceptance testing in accordance with NFPA 24 for the fire service supply lines and private hydrants.

To ensure project continuity, the Owner/Owner's representative and Civil Engineer of Record shall obtain approval from the GJFD *before* excavation and installation activities. This may be accomplished in writing during the formal City's Community Development review process or during the Building Department permit process. The GJFD and Owner's representative shall document the assignment of work to the Civil Engineer of Record.

The Civil Engineer of Record shall document results of inspections and testing. Upon completion of work, the Civil Engineer of Record shall provide evidence of proper installation by submitting a signed and stamp-seal compliance letter to the GJFD. This letter shall be attached to the completed NFPA 24 Form: Contractor's Material and Test Certificate for Underground Piping.

In lieu of the above, the Registered Fire Suppression Contractor-Underground shall submit application for permit to the GJFD. The GJFD shall complete all required piping inspection(s) and acceptance testing for the Underground Fire Line-Hydrant permit.

One Private Hydrant

Where there is one installation of a private hydrant and associated private underground fire service supply line(s) to a project or site, it is required that the Registered Fire Suppression Contractor-Underground submit application for permit to the GJFD. The GJFD shall complete all required piping inspection(s) and acceptance testing for the Underground Fire Line-Hydrant permit.

Unless otherwise specified, reference to Codes and Standards shall be the currently adopted edition.