



PRIVATE UNDERGROUND FIRE SERVICE MAINS TO PRIVATE HYDRANTS

Grand Junction Fire Department

Division of Fire Prevention

625 Ute Avenue. Grand Junction, Colorado 81501. Tel: (970) 549-5800. Fax: (970) 549-5810. Email: fire@gjcity.org
<https://www.gjcity.org/201/Codes-Permits>

Private underground fire service mains to private hydrants shall be installed, inspected, and tested in accordance with NFPA 24, NFPA 13 (Chapter 10), and the Colorado Division of Fire Prevention and Control (DFPC) 8 CCR 1507-11. Registered Fire Suppression Contractors-Underground shall ensure their projects are permitted (GJFD) and inspected.

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 (EOR, P.E.) to complete the required piping inspection(s) and acceptance testing in accordance with NFPA 24 for the fire service supply lines and private hydrants.

Step 1 Planning - BEFORE Excavation and Installation Activities

At the time of Site Planning and Development Review and/or application for Fire Department Clearance for a Building Permit, the Owner/Owner's representative shall document the assignment of work to the designated EOR and obtain approval from the GJFD. This may be accomplished in writing by the GJFD Private Hydrant Declaration Form during the formal City's Community Development review process or during the Building Department permit process.

Submitted construction documents must include the approved stamp-seal Civil/Utility drawing(s) with a written statement from the EOR (Private Hydrant Declaration Form) that all required inspections and tests will be completed and documented by the EOR, in accordance with NFPA 24, and identify the name and registration of the installing Fire Suppression Contractor-Underground. The EOR and Registered Fire Suppression Contractor-Underground are to coordinate their work.

The GJFD will record the EOR and Registered Fire Suppression Contractor-Underground information on the GJFD Clearance for Building Permit Plan Comments and Permit. No additional GJFD Underground Fire Line Permit is required.

Step 2 On Site

EOR and Registered Fire Suppression Contractor-Underground to coordinate field activity.

EOR completes and documents results for the following inspections and tests for all private hydrants:

- Documents any deviations from the design standard or approved plans.
- Piping
- Hydro
- Flush

Step 3 Completion of Work

Prior to or at the time final building permit inspection, the EOR shall provide evidence of proper installation by submitting a compliance letter that shall bear the Seal and signature of the EOR to the GJFD.

This letter shall be attached to the completed NFPA 24 Form: Contractor's Material and Test Certificate for Underground Piping. Completed inspection documents are to be available upon request of the GJFD.

ONE PRIVATE HYDRANT – GJFD PERMIT REQUIRED

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.

Application for permit is found on the GJFD website: <https://www.gjcity.org/1085/Plan-Review-Portal>

Underground Fire Line Information guidance can be found on the GJFD website:

<https://www.gjcity.org/DocumentCenter/View/572/Underground-Fire-Line-Information-PDF?bidId=>