



## Fire Line Requirements

- Contractor to be registered with the State of Colorado as a Fire Suppression Contractor - Underground (8 CCR 1507-113.2.2)
- Contractor shall have received training on and retain copies of NFPA 13, NFPA 22, NFPA 24, and State of Colorado Fire Suppression Program rules (8 CCR 1507-11 3.9.1)
- Contractor shall have access on the worksite to copies of NFPA 13, NFPA 22, NFPA 24, and the State of Colorado Fire Suppression Program rules (8 CCR 1507-11 3.9.2)
- Installation to comply with NFPA 24 for all pipe 4 inches and larger
  - All fire lines, including those with a diameter less than 4 inches, are required to have a pressure test and flush, following NFPA 24 guidelines, as well as completion of the Contractor's Material and Test Certificate for Underground Piping.
  - All fire lines are to be installed under footings shall have a minimum separation of 18 inches from the bottom of the footing and top of pipe, with no joints located under the footing.
- Pipe joints to restrained (NFPA 24, 2019 ed, 10.6)
- Pipe restraints shall be cleaned and thoroughly coated with a bituminous coating. Coating shall have an asphaltic component, CAS number 8052-42-4 or 64742-93-4.
  - Coatings other than above shall be approved by the AHJ prior to installation
  - Pipe restraints shall be wrapped with plastic after inspection and prior to backfill
  - Tracer wire shall be taped to the fire line a minimum of every 5 feet
- Pipe shall be flushed until flow is verified to be clear of debris, witnessed by Greeley Fire Inspection personnel. (NFPA 24, 2019 ed, 10.10.2.1)
  - Minimum flow rate to be in accordance with Table 10.10.2.1.3, NFPA 24, 2019 ed.
- Pipe shall be hydrostatically tested at 200 psig, or 50 psig above system working pressure, whichever is greater. Pressure shall be maintained for 2 hours +/- 5 psi with no visible leakage. (NFPA 24, 2019 ed, 10.10.2.2)
- Contractor to complete NFPA 24 Contractor's Material and Test Certificate for Underground Piping and submit to AHJ (NFPA 24, 2019 ed, 10.10.1)