



MONARCH FIRE PROTECTION DISTRICT

13725 Olive Blvd., Chesterfield, MO 63017-2640

Phone: 314.514.0900 Fax: 314.514.0696

www.monarchfpd.org

REQUIREMENTS FOR PRIVATE FIRE SERVICE MAINS

Below are requirements for underground fire mains taken from Chapter 4 of NFPA 24 - Standard for the Installation of Private Fire Service Mains and Their Appurtenances – 2010 Edition as referenced in our adoption ordinance.

General Requirements

Plans.

Working plans shall be submitted for approval to the authority having jurisdiction before any equipment is installed or remodeled.

Deviation from approved plans shall require permission of the authority having jurisdiction.

Working plans shall be drawn to an indicated scale on sheets of uniform size, with a plan of each floor as applicable, and shall include the following items that pertain to the design of the system:

- Name of owner
- Location, including street address
- Point of compass
- A graphic representation of the scale used on all plans
- Name and address of contractor
- Size and location of all water supplies
- The following items that pertain to private fire service mains:
 - (a) Size
 - (b) Length
 - (c) Location
 - (d) Weight
 - (e) Material
 - (f) Point of connection to city main
 - (g) Sizes, types, and locations of valves, valve indicators, regulators, meters, and valve pits
 - (h) Depth at which the top of the pipe is laid below grade
 - (i) Method of restraint
- The following items that pertain to hydrants:
 - (a) Size and location, including size and number of outlets and whether outlets are to be equipped with independent gate valves
 - (b) Whether hose houses and equipment are to be provided, and by whom
 - (c) Static and residual hydrants used in flow
 - (d) Method of restraint
- Size, location, and piping arrangement of fire department connections (if part of the underground system)

The working plan submittal shall include the manufacturer's installation instructions for any specially listed equipment, including descriptions, applications, and limitations for any devices, piping, or fittings.

Installation Work.

Installation work shall be performed by fully experienced and responsible persons.

The authority having jurisdiction shall always be consulted before the installation or remodeling of private fire service mains.