



City of Grand Prairie Fire Department Code Regulations

Underground Fire Lines

All work shall be completed in accordance with NFPA 24 *Standard for the Installation of Private Fire Service Mains and Their Appurtenances*.

- Plans must be submitted and approved, stamped by an RME-G or RME-U
- Plans must coincide with civil plans released for construction

Buildings of use classifications A, B, E, F, I, R-1, and S (commercial) shall have remote fire department connections (FDC's). Other uses (apartments) are permitted to have wall-mounted FDC's.

Remote FDC hose connections shall be configured as follows:

1. Not less than 30 inches above grade
2. 5-inch Storz connection
3. 30-degree down bend
4. Vertical pipe for the remote FDC painted red
5. Address numbers (or other markings denoting the building or area served) stenciled on red vertical remote FDC pipe in either white or black
6. Signage if:
 - More than one FDC indicating the building or area served
 - Pump pressure exceeds 150 psi

Knox® FDC caps are not required.

A serviceable fire hydrant, connected to a City or approved private water main, shall be located within 100 feet of the FDC, on the same side of the street or fire lane. Hydrants shall not be connected to sprinkler supply lines.

A visual inspection and witnessed hydrostatic test is required. The pipe must be flushed in accordance with NFPA 24, but it is not required to be witnessed by a fire department inspector.

Backflow preventers are under the jurisdiction of the Environmental Services Department.

- If the underground fire line is greater than 100 feet, the backflow preventer must be in a vault. Shorter runs can have the device on the sprinkler riser.
- The backflow preventer specifications, or a letter certifying that it will be installed by the overhead sprinkler contractor must accompany the plan submission.
- For additional information, contact Environmental Services at (972) 237-8055.