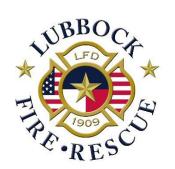**Lubbock Fire Marshal's Office**
1205 15th St. 2nd Floor
Lubbock, Texas 79401
806-775-2646 • Fax 806-775-3508

Underground Fire Line Plans
Submittal Requirements

Fee Required:

There is a $100.00 fee for an Underground fire line plan review.

Digital Submittal:

- CSS Portal: https://egovaccess.ci.lubbock.tx.us/EnerGov_Prod/SelfService/#/home
- Please include all the required PDF documentation
- Your design will be digitally stamped and available on CSS Portal

Licensing for Planning:

Texas Registered – Responsible Managing Employee-General (RME-G).

Codes adopted:

International Fire Code (IFC) - 2021 edition

<u>Underground drawings shall include the following:</u>

1) The 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.

2) 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:
   a) Name of the Owner.
   b) Location, including street address.
   c) Point of compass.
   d) A graphic representation of the scale used on all plans.
   e) Name and address of the contractor.
   f) Size and location of all water supplies.
      - The volume and pressure of a public water supply shall be determined from water flow test data.

3) 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 the city main.

g) Size, 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.

j) 6" minimum diameter piping shall be used unless permitted by NFPA 24, Section 5.2.2:

- Main does not supply hydrants.
- Main supplies only the 5 types of systems listed per 5.2.2.
- Hydraulic calculations show that the main is able to supply the total demand at the appropriate pressure, or systems that are not hydraulically calculated have a main at least as large as the riser.
- If system is not hydraulically calculated, flow test data requirement may be waived.

4) The following items that pertain to hydrants:

a) Size and location, including size and number of outlets and weather outlets are to be equipped with independent gate valves.

b) Thread size and coupling adapter specifications if different from NFPA 1963.

c) Whether hose houses and equipment are to be provided, and by whom.

d) Static and residual hydrants used in flow.

e) Method of restraint.

5) Size, location, and piping arrangement of fire department connections.

Conclusion:

Plans will be reviewed on a first-come, first-served basis. Plan submittals shall be reviewed and approved by the LFMO prior to any worked performed. Deviation from approved plans shall require permission from the LFMO.

Plans that do not meet the minimum design criteria mentioned in this document may be subject to rejection.

P L A N S   R E V I E W   R E Q U E S T

PLEASE PRINT

☐ **Submittal**   ☐ **Re-submittal**

Date: _____

Contractor Name: _____

Contact Person: _____   Telephone No.: _____

Email Address: _____

Facility Name: _____

Facility Legal Address: _____

Type of Plan: ☐ Fire Alarm System **(See Below)**   ☐ Fire Sprinkler System **(See Below)**   ☐ Flow Test **($120)**

☐ Clean Agent System **(See Below)**   ☐ Fire Sprinkler Underground **($100)**

☐ Kitchen Hood Suppression System **(See Below)**   ☐ Emergency Responders Radio Coverage System **($100)**

☐ Other: _____

Paid by: ☐ **Check** **(Payable to City of Lubbock)**   ☐ **Cash**   ☐ **Credit/Debit**

Plan Submittal:
$0.01 per Square Foot of system coverage ($100 minimum): _____SQFT x 0.01= $_____

Plan Re-submittal:
$0.015 per Square Foot of system coverage ($100 minimum): _____SQFT x 0.015= $_____

OFFICE USE ONLY

Date Reviewed: _____   Reviewed By: _____

Person Notified: _____   Date: _____

Contractor or Representative: _____   Date: _____
(To be signed at the time plans are picked up)