



City of Grand Prairie Fire Department Code Regulations

Fire Apparatus Access Roads

Fire apparatus access roads include public streets, private streets, and on-site fire lanes.

Required fire apparatus access roads must be approved by the Fire Department and shall be in-service prior to construction progressing beyond the foundation.

New facilities, buildings or portions of buildings must have approved fire apparatus access roads with a concrete or other approved all-weather driving surface capable of supporting the imposed load of fire apparatus weighing at least 85,000 pounds (38 555 kg).

To meet the imposed load requirement, either a standard design available from the City of Grand Prairie must be used, or specifications must be signed and sealed by a registered Professional Engineer (P.E.).

Fire apparatus access roads shall be provided adjacent to and around any building when any portion is more than one hundred fifty (150) feet from fire apparatus access measured around the exterior of the building or facility. If the one hundred fifty (150) feet cannot be reached from a public street, a fire lane will be required on site. *The distance is increased for sprinkler-protected buildings.*

A fire lane shall be provided within fifty (50) feet of the fire department connection (FDC) for the fire sprinkler system.

The fire lane shall:

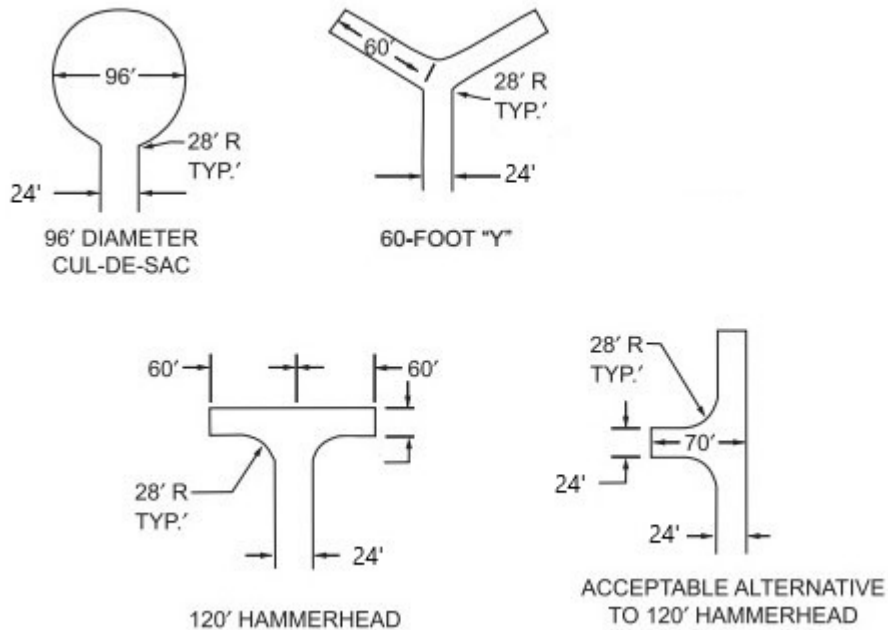
1. Have a minimum unobstructed width of twenty-four (24) feet,
2. Have an unobstructed height of fourteen (14) feet
3. Have an inside turning radius of twenty-eight (28) feet.
4. Have a maximum six percent (6%) grade
5. Have a maximum three percent (3%) cross slope
6. Be one (1) foot above base flood elevation (BFE)

Security gates at the main entrance shall be installed with an Opticom® or similar “hands-free” entry device approved by the Fire Department to facilitate emergency access.

Security gates across fire lanes shall be provided with Knox® outdoor-rated padlocks. See the “Vehicle Access Gate” policy for more detailed information.

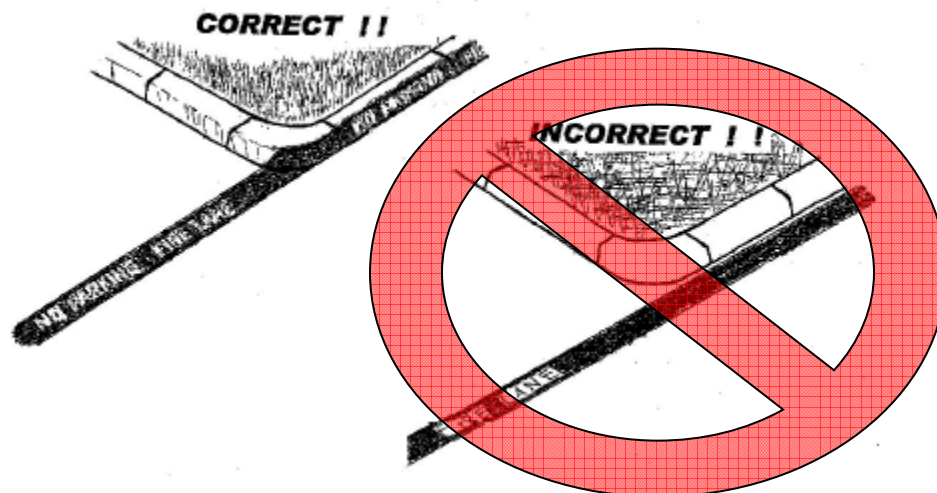
Dead-end fire lanes in excess of one hundred fifty (150) feet shall be provided with an approved turnaround:

1. Ninety-six-(96)foot diameter cul-de-sac
2. One hundred-twenty-(120) foot hammerhead turnaround
3. "Alley dock"



Fire lanes shall be marked with a continuous six-inch red stripe with four-inch white letters stating "FIRE LANE NO PARKING" at intervals no greater than twenty-five (25) feet.

Markings shall be on the face of the curb if one is present.



Appropriate signs may be used in lieu of stripes when approved.

The owner or person in control of the property upon which a fire lane exists shall maintain the entire required width and height of the fire lane free and clear of any parked vehicles and other obstructions at all times, and also the markings.