

After reviewing the Engineering Standard, the follow areas were found to be in conflict with the Fire Code:

1. (Pg. 12) Paving Standards- Item 12.
 - a. Currently reads:
 - i. *All multi-family, retail, commercial and industrial parking lots shall be required to provide a fire lane with a minimum width of twenty (20) feet (requires minimum thirty (30) foot inside curve radius) or a width of twenty-four (24) feet (requires minimum twenty (20) foot inside curve radius) and shall be approved by the City Engineer and Fire Marshall.*
 - b. Shall read:
 - i. All multi-family, retail, commercial and industrial parking lots with buildings less than 30-foot in height and less the 3 stories, shall be required to provide a fire lane with a minimum width of twenty-four (24) feet (requires minimum twenty (20) foot inside curve radius). All multi-family, retail, commercial and industrial parking lots with buildings 30-foot or higher and/or 3 or more stories, shall be required to provide a fire lane with a minimum width of twenty-four (24) feet (requires minimum thirty-nine (39) foot inside curve radius). The City Engineer and Fire Department shall approve all fire lanes.
2. (Pg. 12) Paving Standards- Item 13
 - a. Currently reads:
 - i. *All fire lanes shall loop back to another fire lane or street or have a circular turnaround at the end with a minimum outside pavement radius of forty (40) feet. Dead end fire lanes up to one hundred fifty (150) feet long will be allowed with the Fire Chief and City Engineer's approval.*
 - b. Shall read:
 - i. All fire lanes shall loop back to another fire lane or street or have a circular turnaround at the end with a minimum outside pavement radius of 47.5 feet or other approved turnaround. Dead end fire lanes up to one hundred fifty (150) feet long will be allowed with the Fire Chief and City Engineer's approval.
3. (Pg. 32) Water Systems- Fire Hydrants – 5.3 C. Fire Hydrants Item #1
 - a. Currently reads:
 - i. *Residential and Duplex: Residential and duplex areas shall have a fire hydrant at each street intersection and at five hundred foot (500') intervals on the interior of each block. In no case, shall there be more than five hundred feet (500') of hose lay from a fire hydrant and fire lane to any main building.*
 - ii. *Multi-Family: Multi-Family areas shall have a fire hydrant at each street intersection and at three hundred foot (300') intervals on the interior of each block and along fire lanes. In no case, shall there be more than one hundred and fifty feet (150') of hose lay from a fire lane or two hundred and fifty feet (250') from a fire hydrant to any portion of a building.*
 - iii. *Commercial, Retail and Industrial: Commercial, retail, and industrial areas shall have a fire hydrant at a maximum of three hundred foot (300') intervals on the interior of each block and long fire lanes. In no case, shall there be more than one hundred and fifty feet (150') of hose lay from a fire hydrant and fire lane to any portion of a building in any development.*

All fire hydrants, which are placed off street right-of-ways, shall have a paved concrete access road, which has been approved by the Fire Marshall and City Engineer.

b. Shall read:

- i. Commercial, Retail, Industrial, and Multi-Family: Commercial, retail, industrial, and multi-family areas shall have a fire hydrant at each street intersection and at four hundred foot (400') intervals as the hose is laid by a fire vehicle from hydrant to hydrant on the interior of each block. No building, structure, and/or facility shall be more than three hundred feet (300') of hose lay from a fire hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building.
- ii. Residential, and Duplex: Residential and duplex areas shall have a fire hydrant at each street intersection and at four hundred foot (400') intervals as the hose is laid by a fire vehicle from hydrant to hydrant on the interior of each block. No building, structure, and/or facility shall be more than four hundred feet (400') of hose lay from a fire hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building.

Fire hydrants shall be located within 8 ft of the edge of the pavement unless the fire department determines another location is acceptable for fire department use.