

## Scope and Purpose

Required Fire Department Access roads and or fire lanes shall be maintained unobstructed and in good condition for vehicular usage at all times. The Fire Department may allow closure by approved gates that comply with the standards outlined within this document.

No gate or other barrier may be installed across a required fire department access road or driveway without first submitting for a permit and being approval by the Fire Code Official.

## Width

Gate width shall be a minimum of 20 feet unobstructed. When open, gates shall not obstruct any portion of the required width of the driveway or access road.

## Electronically Operated Gates

### Key Switch (KNOX)

Gates electronic controlled shall have an approved fire department override key switch (Knox). Activation of an approved key switch for an electronically controlled gate shall open the gate/gates to the fully open position within 10 seconds and remain in the open position until reset by EFD personnel.



### Automatic Traffic Control-Activating Strobe Light Sensors

In addition to the Key Switch (Knox), gates accessing more than three residences or residential lots, or gates accessing hazardous, institutional, educational, multi-family or assembly occupancy group structures, shall be equipped with an approved automatic traffic control-activating strobe light sensor capable of detecting emergency vehicle pulsing strobe lights (Tomar) from any direction of vehicle approach (interior and exterior), overriding all commands and opening the gate(s).

[\(https://www.tomar.com/products/traffic-control/strobeswitch/\)](https://www.tomar.com/products/traffic-control/strobeswitch/)



### Fail Safe Operation Requirements

In the event of a power failure, including battery back-up, the gate(s) shall automatically open, by spring tension or other non-electrical method, or the gate must be capable of being pushed open without additional steps having to be performed.

### Manually (Non-Automatic) Operated Gates

All manually operated gates shall be designed to remain in the open position when left unattended. Manual locking mechanisms, such as padlocks, shall be Knox brand only.

Manual gates are subject to the same opening width and plan approval process as automatic gates. Manual gates shall be provided with an approved method for emergency access. Approved methods shall consist of one of the following:

- High security padlock (Knox Brand) Keyed to EFD emergency access keyway, or
- Installation of a Knox rapid access key box containing the gate key.
  - If a key box is used, it shall be installed on a gate support pillar or post adjacent to the gate. The box must be visible to anyone approaching the gate at all times.



Note: Chain gates or cable gates are not approved methods to gate a fire access roadway.



## Gates Serving Residential Dwellings.

Entry gates located across private driveways serving three or less residences shall comply with the following:

- When one or more of the dwellings or residential lots is farther than 150 feet from the public roadway. The gate shall be at the width of not less than the required driveway width approved for the project.

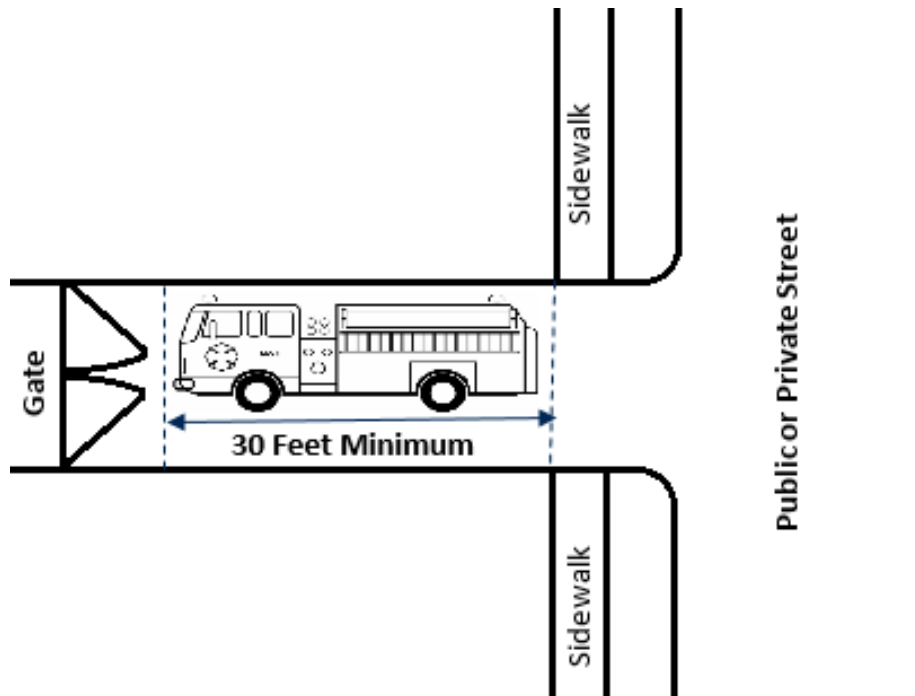
Entry gates located across private driveways serving more than three residences shall comply with all applicable provisions found in this document

### Serving Three or More Dwellings

Gates located across private driveways serving three or more dwellings are required to comply with all provisions found in this document including gate width and gate operations.

## Gate Set Backs (Stacking Lane)

Entry gates shall be set back from the nearest curb line of any public or private street to provide a minimum 30 feet from face of curb or from back of sidewalk when there is a sidewalk, as to not obstruct vehicular or pedestrian traffic. In cases where the gate swings in the direction of the staged fire apparatus the additional distance shall be accounted for and the setback increased.

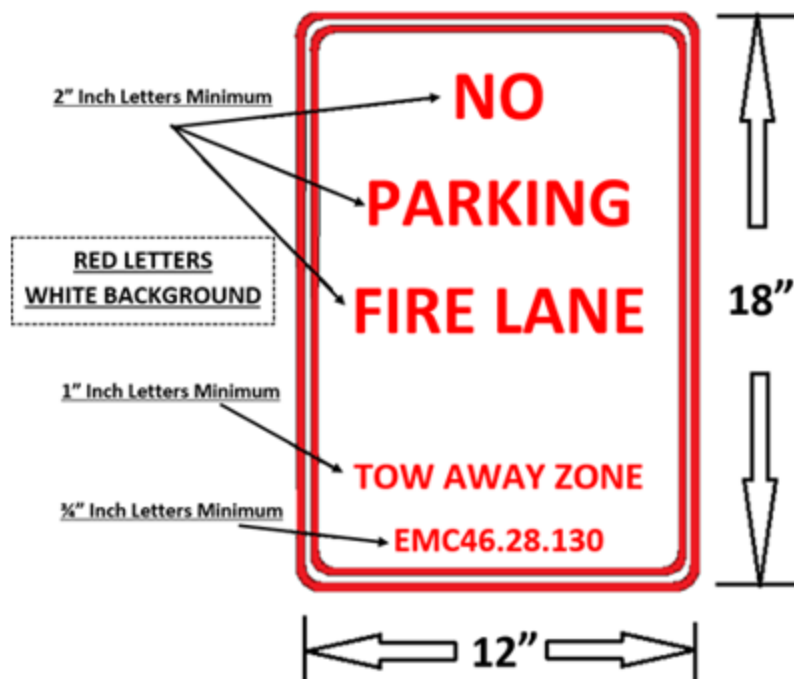


## Signage

An approved “No Parking Fire Lane” signage shall be installed to prevent the obstruction of the gate by the parking of vehicles.

Fire Lane Signs shall comply with the following:

- Metal construction 12 inches wide by 18 inches high
- Red letters on a white reflective background
- Sign shall read “NO PARKING – FIRE LANE – TOW AWAY ZONE – EMC 46.28.130”
- The letters indicating “NO PARKING” and “FIRE LANE” shall be no less than 2 inches in height.
- The letters indicating “TOW AWAY ZONE” shall be no less than 1 inch in height.
- The letters indicating “EMC 46.28.130” shall be no less than ¾ inch in height.



## Bollards

Bollards when used to limit access to a fire department access roadway or fire lane shall comply with the following:

Bollards shall be collapsible/fold down type, and they shall be locked using an external frangible/breakable padlock capable of being removed by means of a forcible entry tool.

Bollard dimensions shall be 2 inches in thickness and a minimum of 6 inches in width, with a height of 30 to 48 inches. When the bollard is in its collapsed or folded down position, it shall have a clearance not higher than 3 ½ inches.



Bollards shall be yellow in color with Five Rows High Intensity Prismatic 1 inch wide reflective Tape (Red, White, Red, White, Red) located 2 inches from the top of the bollard, and Three Rows High Intensity Prismatic 1 inch wide reflective Tape (Red, White, & Red) starting 1 foot above grade.

