	Presidio Trust **Fire Marshal's Office** *1750 Lincoln Blvd. San Francisco, California 94129*	**Date**: May 17, 2022 **Revision**: Sept 28, 2026 **Standard**: ***FDA-008***
Title: **Fire Hydrant / Street Markers Placement Standard**	**Approved By**: *Randy Amores*	

SCOPE

This standard provides direction to development applicants, architects, and contractors in demonstrating compliance with the proper placement of blue reflective pavement markers that identify and indicate the locations of fire hydrants and water supply locations for firefighting purposes only.

Fire hydrant placement and street markers shall comply with the following code/standard requirements:

- California Fire Code
- National Fire Protection Association, NFPA 291, Recommended Practice for Water Flow Testing and Marking of Hydrants

1. PLAN SUBMITTALS

1.1. The placement of blue reflective markers shall be indicated on the appropriate water plans that must be submitted to the Presidio Trust Fire Marshal's Office for the installation of all fire hydrants and water supply locations used for firefighting purposes.

2. SPECIFIC REQUIREMENTS (SEE ATTACHMENT A)

2.1. **Two-way Streets and Roads**: Markers are to be placed six inches from the edge of the painted centerline on the side nearest the fire hydrant. If the street has no centerline, the marker is to be placed six inches from the approximate center of the roadway on the side nearest the hydrant.

2.2. **Street with Left Turn Lane at Intersection**: Markers are to be placed six inches from the edge of the painted white lines on the side nearest the hydrant.

2.3. **Street with Continuous Two-Way Left Turn Lane**: Markers are to be placed six inches from the edge of the painted yellow barrier line on the side nearest the fire hydrant.

2.4. Blue markers shall not be used for any other purpose. (See Attachment B for a marker example.)

3. PLACEMENT

3.1. The placement of hydrants shall not eliminate fire flow requirements of NFPA 1, Fire Code, Section 18.5.1.1 and 18.5.1.2 in Section 18.4.

3.2. The distance between hydrants shall be measured along the fire apparatus access roads per Section 18.2.3.

3.3. Fire hydrants shall be located not more than 12 feet from the fire apparatus road.

3.4. Distance between hydrants for detached one- and two-family dwellings: 800 feet.

3.5. Distance between buildings other than detached one- and two-family dwellings: 500 feet.

3.6. The minimum number of fire hydrants needed to deliver the required fire flow in Section 18.4 shall be determined in accordance with Section 18.5.4.

3.7. A 36-inch, clear space shall be maintained around the circumference of the fire hydrants.

3.8. A clear space of not less than 60 inches shall be provided in front of each fire hydrant connection having a diameter greater than 2.5 inches.

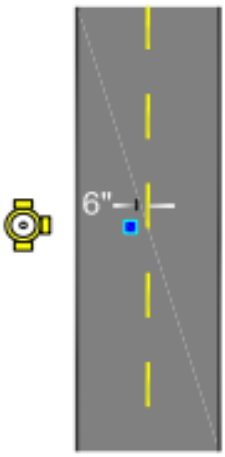
3.9. Fire hydrants subject to vehicular damage shall be protected as shown in Attachment C.

3.10. As required by the Presidio Trust Fire Marshal, hydrants shall be color-coded or otherwise marked with an approved system indicating the available flow capacity.

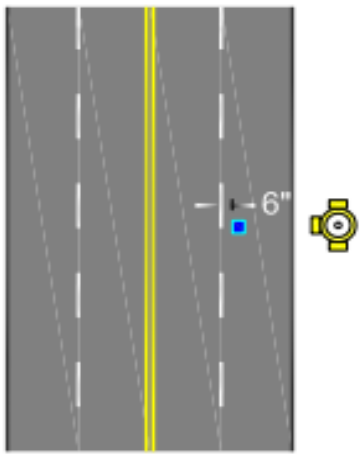
Hydrant Classification	Color Scheme	Hydrant Capacity (gpm)	Hydrant Capacity (L/min)
AA	Light blue	>1500	>5700
A	Green	1000–1499	380–5699
B	Yellow/Orange	500–999	1900–3799
C	Red	<500	<1900

SEE ATTACHMENTS BELOW

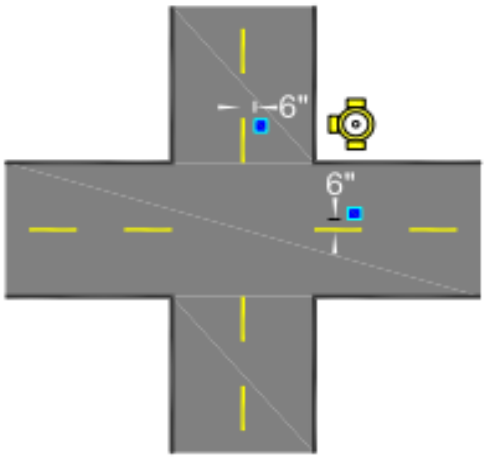
ATTACHMENT A:



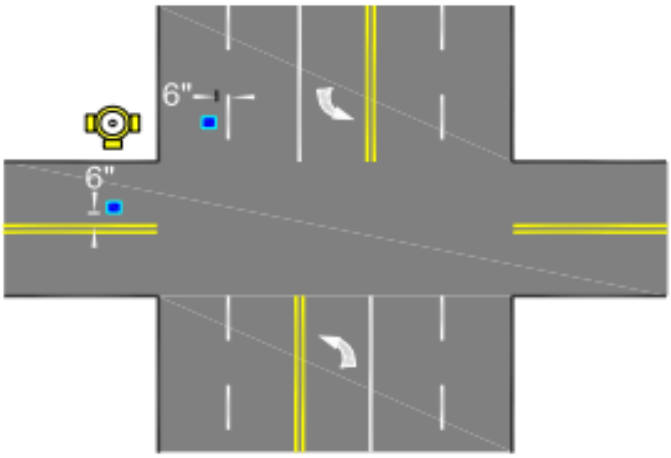
TWO LANE STREET



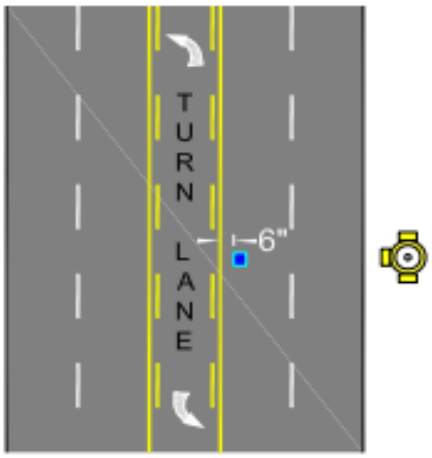
MULTI-LANE STREET



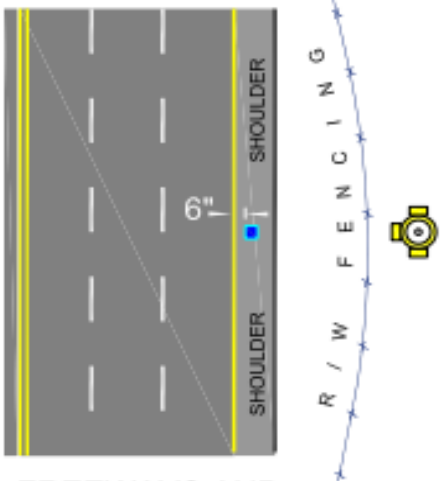
TWO LANE STREET
AT INTERSECTION



FOUR LANE STREET WITH
TURN LANE AT INTERSECTION



MULTI-LANE STREET
WITH TURN LANE



FREEWAYS AND
EXPRESSWAYS

LEGEND

FIRE HYDRANT

BLUE RETROREFLECTIVE
RAISED PAVEMENT MARKER

ATTACHMENT B:

PEEL-N-STICK BLUE REFLECTIVE ROAD MARKER



ATTACHMENT C:

PROTECTION OF HYDRANTS

