



## **NORTH CENTRAL FIRE PROTECTION DISTRICT**

### **POLICIES**

#### **408.002 FIRE HYDRANT POLICIES AND REQUIREMENTS**

**EFFECTIVE: JANUARY 2016**

### **SCOPE**

This policy clarifies the Fresno Fire Department's (FFD or Department) requirements relating to the minimum fire hydrant requirements for the North Central Fire Protection District (NCFPD or District). These requirements apply to all fire hydrants installed.

### **PURPOSE**

This policy has been established to provide direction regarding the requirements related to the installation, location, spacing, etc., within the District.

### **BACKGROUND**

Fire hydrant placement is a critical part of the firefighting system employed by the District. Fire hydrants and draft connection outlets are placed to allow District staff to approach a building as close as practical in order to deploy fire hose and other equipment necessary for fire control, suppression and rescue operations.

Fire hydrants are required to be placed as noted by the District, per the authority found in *California Fire Code (CFC)*, Chapter 5. Unusual designs or conditions may require additional fire hydrants to be installed, rather than the code required minimums.

### **REQUIREMENTS**

Based upon the need for uniformity in application across the District's diverse service delivery area, and after careful deliberation of the applicable codes and standards, the District has determined the following:

1. Every hydrant location shall be approved by the District, prior to installation.
2. Every hydrant shall be American Water Works Association approved.

3. Fire hydrants shall have at a minimum of (1) 2½ inch outlet and (1) 4½ inch outlet with National Hose Threads (NHT).
4. Fire hydrants shall be either wet or dry.
5. Draft hydrants shall be in accordance with the *NCFPD Policy No. 408.006*, NCFPD Commercial Water Tanks and shall be painted red with the applicable signage installed.
6. Other hydrants shall be in accordance with the applicable policies of NCFPD, either for rural areas or urban development.
7. Fire hydrant shape, size, outlets, number, location, or style (i.e., wet or dry) may be required to be altered at the discretion of the Fire Marshal (or designee).
8. When required, fire hydrants shall be protected from vehicular damage in accordance with the *CFC*.
9. All plumbing shall be in accordance with the *California Building Code*, *California Plumbing Code*, and all other laws, codes ordinances and standards.

## RESPONSIBILITY OF THE OWNER AND CONTRACTOR

The amount of water storage for fire flow required shall be determined by the needed fire flow of the structure in accordance with *NCFPD Policy No. 408.003*, NCFPD Fire Flow Policy for Rural Areas, and *NCFPD Policy No. 408.004*, NCFPD Fire Flow Policy for Urban Areas.

Several additional permits are required from other agencies which may include the County of Fresno. It is the responsibility of the owner and contractor to obtain all other applicable permits. Work initiated without the requisite approved plans and permits may result in significant cost and unnecessary delay to a project.

## CROSS REFERENCES

### *NCFPD Policy*

Section 408.006, NCFPD Commercial Water Tanks

Section 408.003, NCFPD Fire Flow Policy for Rural Areas

Section 408.004, NCFPD Fire Flow Policy for Urban Areas