

CITY OF DAVIS
PUBLIC WORKS ENGINEERING AND
TRANSPORTATION
STANDARD SPECIFICATIONS

SEPTEMBER 2021 ADDENDA

This is an interim document as we are updating all of our standard specifications. Items on the next page supersede the comparative items listed in the “January 1996 Edition Addenda Through October 2009”

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2021 Addenda

Items listed here supersede the comparative items listed in the "January 1996 Edition Addenda Through October 2009"

203-6 FIRE HYDRANTS

Fire hydrants shall be wet barrel and supplied with factory applied bright yellow paint. They shall conform to the provisions of AWWA C503. The internal elements shall be all bronze.

See Standard Plan #101-1, "Fire Hydrant," for other installation details.

203-6.1 MAIN VALVE AND BODY

The fire hydrants shall have a valve opening of 4-1/2" diameter. The valve shall open left (counterclockwise) and shall have a National Standard 1-1/2" pentagon operating nut.

The bury shall be 4' in length and shall connect to the lateral using a mechanical joint. The drain hole shall be tapped and plugged with a threaded brass plug.

All fire hydrants shall be clearly and permanently marked so as to be readily discernable and legible after hydrants have been installed. Such markings shall include:

- a. Name of Manufacturer
- b. Model Name or Number
- c. Size of Main Valve Opening
- d. Date of Manufacture
- e. Direction of Operation
- f. Ground or Bury line (mark to reflect point of bury to maximize breakaway features)

203-6.2 SHORT BREAK CHECK VALVE

A short break check valve for shall be installed under the fire hydrant at the manufacturer's recommended height, and according to AWWA M17, C503, and C600.

203-6.3 OUTLET CONNECTIONS

The outlets shall consist of one 4-1/2" diameter pumper connection and two 2-1/2" diameter hose connections. The cap nuts shall be the same size and shape as the operating nut. All outlet connection threads shall conform to National Standard Hose Coupling Screw Threads" specifications. Caps shall be securely chained to the hydrant barrel with a metal chain having links made from stock not less than one-eighth inch (1/8") in diameter. The attachment shall permit free rotation of the cap.

203-6.4 APPROVED MANUFACTURERS MODELS

Fire hydrants shall be Clow 960 or approved equal.

Short Break Check Valves shall be Clow 400A or approved equal.

203-6.5 PAVEMENT MARKERS

Pavement markers for fire hydrants shall be blue two-way reflectorized, conforming to the requirements of Section 81-3, "Pavement Markers," of the State Specifications. Adhesive shall be Rapid Set Type.

203-6.6 PAINT

All new public fire hydrants shall be supplied with a factory applied bright yellow paint, and private hydrants shall be supplied with a factory applied red paint. When a fire hydrant needs to be repainted, the red or yellow paint shall be Rust-Oleum V7400 hydrant enamel paint, or approved equal.

203-6.7 PROTECTION

All fire hydrants shall be suitably protected from vehicular damage using bollards when required by the City. The placement of bollards shall permit full access to hydrant nozzles and not interfere with the operations of the hydrant.