

## **SPECIAL PROVISIONS**

### **MASS DIVISION 60.00 - WATER SYSTEMS**

#### **MASS Section 60.03 - FURNISH AND INSTALL VALVES**

This section is modified as follows:

Delete the text of Article 3.2a. and substitute the following:

“Gate valves shall be ductile iron body resilient wedge type rated for 250 psi cold water working pressure, and in full compliance with AWWA C515 and NSF Standard 61. The wedge shall be ductile iron encapsulated in nitrile rubber, and shall seat equally well against flow in either direction. The stem and wedge nut shall be manganese bronze. All exposed interior and exterior surfaces of the valve body, bonnet, and stuffing box shall have a fusion bonded epoxy coating, complying with AWWA C550, applied electrostatically prior to valve assembly. Gate valves shall be non-rising stem type, with a triple O-ring seal. Gate valves shall have a 2-inch square operating nut, and shall open counter-clockwise. Gate valves shall have mechanical joint ends.”

#### **MASS Section 60.04 - FURNISH AND INSTALL FIRE HYDRANTS**

This section is modified as follows:

At the end of Article 4.2a.5, add the following sentence:

“Hydrants barrels, in areas requiring a depth of bury greater than ten feet, shall be adjusted to grade to the satisfaction of the Engineer.”

In Article 4.2a.8, delete the words “Caterpillar Yellow” and substitute the following words:

“Fire Red”

In Article 4.2a.12, delete the words “right hand opening (clockwise)” and substitute the following words:

“left hand opening (counterclockwise)”

At the end of Article 4.2a, insert the following sentence:

“14. Hydrant barrel extensions shall be by the same manufacturer as the hydrants, and shall include new barrel extensions, extension rods, gaskets, bolting materials, and all required incidentals. For extensions up to 4-feet, the extension sections shall be furnished and installed in the precise length needed, one extension section per hydrant. For extensions greater than 4-feet, two extension sections shall be stacked, provided that the extension rod in the lower extension section is fitted with a centering mechanism acceptable to the Engineer, to limit operating rod deflection.”