

## SECTION 211116

### FACILITY FIRE HYDRANTS

#### PART 1 - GENERAL

##### 1.1 STIPULATIONS

- A. The specifications sections "General Conditions of the Construction Contract", "Special Conditions", and "Division 1 – General Requirements" form a part of this section by this reference thereto and shall have the same force and effect as if printed herewith in full.

##### 1.2 SUMMARY

- A. Section Includes:

- 1. AWWA dry-barrel fire hydrants.
- 2. UL-listed, dry-barrel fire hydrants.
- 3. AWWA wet-barrel fire hydrants.
- 4. UL-listed, wet-barrel fire hydrants.

- B. Related Requirements:

- 1. Section 211100 "Facility Fire-Suppression Water-Service Piping" for piping and specialties for facility fire-suppression water-service piping outside the building and for service entrance piping into the building at the floor slab or wall.

##### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

##### 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For fire hydrants to include in maintenance manuals.

#### PART 2 - PRODUCTS

##### 2.1 AWWA DRY-BARREL FIRE HYDRANTS

- A. Refer to plans for the required Fire Hydrant Manufacturer.
- B. Description: Post type, with one NPS 4-1/2 (DN 115) and two NPS 2-1/2 (DN 65) outlets; and with 5-1/4-inch (133-mm) main valve, drain valve, and NPS 6 (DN 150) mechanical-joint inlet. Include interior coating according to AWWA C550. Hydrant shall

have cast-iron body and compression-type valve that opens against pressure and closes with pressure.

C. Standard: AWWA C502.

1. Pressure Rating: 250 psig (1725 kPa).

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of fire hydrants.
- B. Examine roughing-in for facility fire-suppression water-service piping to verify actual locations of piping connections before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 FIRE HYDRANT INSTALLATION

- A. General: Install each fire hydrant with separate gate valve in supply pipe, anchor with restrained joints or thrust blocks, and support in upright position.
- B. AWWA Fire Hydrants: Comply with AWWA M17.

END OF SECTION 211116