

DIVISION 33 – UTILITIES
33 12 00 WATER UTILITY DISTRIBUTION EQUIPMENT
33 12 19 WATER UTILITY DISTRIBUTION FIRE HYDRANTS

PART 1 - GENERAL

1.01 DESIGN CRITERIA:

- A. Hydrants shall be designed to 150 psi working pressure and 300 psi hydrostatic test pressure.
- B. Maximum hydrant spacing shall be 300 feet. No hydrant shall be located closer than 40 feet to any building wall.
- C. Drain rock shall be 1–1/2 inch washed drain field rock. There shall be a minimum of 12–inches of drain rock surrounding the hydrant.
- D. Hydrant shall be installed on a 12 x 12 x 4 inches concrete pad.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Hydrant:
 - 1. Hydrant shall be Waterous Company Model WB-67 with two (2) 2–1/2 inch hose nozzles and one (1) 4–1/2 inch pumper nozzle.
 - 2. The hydrant shall contain a flanged APE nozzle connection, 5–1/4 inch valve opening, a bronze seat ring, 1–1/2 inch pentagonal operating nuts (left opening) and standard nut nozzle caps with chains.
 - 3. Outlet nozzle threads shall be National Standard Thread (NST) fire hose couplings.
- B. Auxiliary Gate Valve and Box:
 - 1. Hydrants shall be installed complete with auxiliary valve with adjustable height valve box.
- C. Post Indicator Valve (PIV) shall be Kennedy #641 or approved equivalent.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install in accordance with **standard detail C - XXXX** and manufacturer's instructions.

END OF SECTION