

“Fire Hydrant Regulations”

➤ Section 7.1 Hydrants

- Hydrants shall conform to the requirements of AWWA C-502, and be designed for 200 psi working pressure tested to 400 psi hydrostatic. Hydrants shall have 6” (inch) mechanical joint shoe, 5 ¼ inch valve opening, bury, as required by pipe diameter, open right with two 2 ½” (inch) hose nozzles and one 4 ½” (inch) pumper connection, Nation Standard Threads, operating nut and nozzle cap with non-kink safety chains.
- Hydrants shall be the compression types, closing with the pressure. They shall be traffic models with safety flange and stem couplings.
- Hydrants shall be able to be rotated 360 degrees. They shall have a positive closing, self-cleaning drain valve and the drainage area shall be completely bronze or brass lined.
- The District has standardized on Waterous Classic 250 , US Pipe Metropolitan 250, M & H 929, or Mueller Centurion. Contractor shall therefore use the same.
- Hydrants shall be painted red to match District’s standard color, with bonnet and caps painted with a reflective white coating. The cost of painting and labor will be the responsibility of the Contractor.

➤ Section 7.2 Installation of Hydrants

Hydrants shall be set at the location shown and bedded on a firm foundation. A drainage pit 3 feet in diameter and 2 feet deep below and to the rear of the hydrant shall be filled with crushed stone and satisfactorily compacted. During backfilling, additional pea stone shall be brought up around and 6 inches over the drain port. Where directed by the District, the Contractor shall install plugs in the hydrant drain ports. No Hydrant shall be backfilled until the Contractor is directed to do so by the District. Each hydrant shall be set in true vertical alignment and properly braced. Concrete thrust blocks shall be placed between the back of the hydrant inlet and undisturbed soil at the end of the trench. All hydrants shall be rodded to the gate valves using ¾” (inch) threaded rod and duclugs. Minimum bearing area shall be as shown on the

drawings. Roofing felt shall be placed around the hydrant elbow before placing concrete. Care shall be taken to insure that concrete does not plug the drain ports.

➤ **Section 7.3 Use of Fire Hydrants**

The use of fire hydrants, Town or Private, is restricted to members of the Fire Department and to employees of the District. Other persons may use the fire hydrants only with special permission of the Superintendent.

➤ **Section 7.4**

No hydrant shall be installed off any main that is smaller than Six inches (6") and all hydrants installed off any new extensions shall have a shut off valve between the main and the hydrant. No hydrant installed to be greater than 500' apart

***See Section 11.15