

FIRE HYDRANT SPECIFICATIONS

1. Fire hydrants shall be post type, made of cast iron, and shall conform in all respects to the “American Water Works Association Standard for Dry-Barrel Fire Hydrants”, ANSI/AWWA C502-85, except where modified herein.
2. Main valve shall be compression type opening against the pressure and closing with the pressure. Main valve seat shall be made of bronze and shall be designed to allow easy replacement in the field. The design shall eliminate the contact of dissimilar metals in areas of the hydrant that are subject to the continuous presence of moisture.
3. All internal working parts shall be removable from the top of the hydrant, with simple tools, and without disturbing the ground line joint or the upper section of the hydrant barrel.
4. Breakable traffic features shall be provided, and shall include a breakable safety flange on the ground line joint, and a breakable coupling on the main valve stem at the ground line joint. The design shall assure that on heavy impact, the upper and lower sections of the hydrant will break apart cleanly without damage to any other hydrant parts. The ground line joint shall be designed to allow the nozzle section of the hydrant to be rotated 360 degrees.
5. Nozzles shall be bronze and replaceable, designed for easy removal from the hydrant barrel, in the field, with simple tools.
6. Main valve opening shall be 4-1/2 inches in diameter for use in residential areas and 5-1/4 inches in diameter for use in commercial areas & multi-family developments as defined by the Ohio Building Code.
7. Two (2) hose nozzles, 2-1/2 inches inside diameter with National Standard threads.
8. One (1) pumper nozzle, 4-1/2 inches inside diameter with National Standard threads.
9. All fire hydrants installed in the City of Hilliard shall be fitted with a 5” Storz connection with National Standard thread in accordance with Norwich Township Fire Department standards.
10. Main valve shall open counterclockwise (Left).
11. Operating nut shall be pentagon shaped, measuring 1-1/2 inches from point to opposite flat.
12. Bury shall be five (5) feet unless otherwise specified.
13. Draining devices shall be eliminated or the drain holes plugged.
14. The shoe shall have a six (6) inch diameter inlet and a mechanical joint connection with accessories.
15. For publicly maintained hydrants (located in public street right-of-way or an abutting easement), the color of the barrel and caps shall be Navy Blue, Rust-Oleum #7723830 or approved equal, and the color of the bonnet shall be white.

16. For privately maintained hydrants (located on private property), the color of the barrel and caps shall be red, and the color of the bonnet shall be white.
17. The Contractor/Developer shall submit detailed drawings and specifications for the hydrant to the Service Director for approval, prior to installation.
18. Where four (4) or more fire hydrants are to be installed on the project, or any phase of the project, the Contractor, Developer, or Owner shall furnish and deliver to the City of Hilliard, at no cost to the City, one (1) complete fire hydrant. When more than ten (10) fire hydrants are installed, two (2) complete fire hydrants shall be furnished and delivered to the City of Hilliard, at no cost to the City. Each fire hydrant supplied to the City shall be complete with accessories, including operating wrench, special wrenches and tools, and lubricants necessary for the operation, maintenance and repair of fire hydrants.
19. Fire hydrants approved for use in the City of Hilliard are the American Darling “Mark 73” or “B-84-B”, the Clow “Medallion”, and the Mueller “Centurion”.