

## ARTICLE II

### WATER DISTRIBUTION SYSTEM

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#### 201.00 GENERAL REQUIREMENTS

- 201.01 Conformance and Interpretation: Authority for discretionary provisions for water design shall rest with the Director of Public Works for the City of Manassas Park, who when necessary shall request and obtain the advice of the City Engineer. All materials, equipment and construction not currently covered in this PFM shall be in accordance with the applicable American Waterworks Association Standards or other recognized standards acceptable to the Director of Public Works.
- 201.02 Water Quality Requirements: All water furnished for domestic, commercial, or industrial consumption shall be of such quality as to meet all requirements of the Virginia Department of Health.
- 201.03 Easements: When deemed necessary by the Director of Public Works, and in order to assume maximum utilization of the water system, it will be required that appropriate easements shall be obtained for access to or extension of a public utility.

#### 202.00 DESIGN STANDARDS

- 202.01 Capacity to Serve: The water distribution system and any extensions thereof shall have adequate capacity to supply the normal (average) and peak hour demands of all customers - domestic, public, commercial and industrial - while maintaining a pressure of not less than 30 pounds per square inch at all points of delivery. In addition, the system shall be capable of delivering on the day of maximum customer demand, flows required for fire protection to at least one point within 300 feet of each building to be served or proposed to be served by such system and extension, while maintaining a residual pressure of not less than 20 pounds per square inch at the point of service. Flows required for fire protection shall be determined in accordance with the "Standard Schedule for Grading Cities and Towns of the United States" of the American Insurance Association, New York, New York, but shall not be less than the following: