

**SECTION 221113 – WATER DISTRIBUTION**

**PART 1 - GENERAL**

- 1.1 Any deviances from the following instructions must be approved during design by WVU Facilities Management Personnel.
- 1.2 Performance Requirements
- A. All design and components shall comply with governing codes and regulations. The local regulatory agency is the Morgantown Utility Board located at 278 Greenbag Road, Morgantown, West Virginia 26507-0852.
  - B. Elements/products used in design shall have a demonstrated record of success. Each manufacturer shall have been in business for a minimum of three years.

**PART 2 - PRODUCTS**

- 2.1 Piping and Specialties
- A. All pipes and fixtures shall be sized to supply water to the structure in the quantities and at pressures required in this code. The minimum diameter of water service pipe shall be  $\frac{3}{4}$  inch.
  - B. RPZ backflow protection devices must be provided on both the domestic and fire service lines. They must meet ASSE 1013 standards. Bypasses are not allowed.
  - C. Minimum static pressure for private or public water service shall be 40 psi. Maximum static pressure shall be 80 psi.
  - D. Top of pipe shall be a minimum of 36 inches below grade.

**PART 3 - EXECUTION**

- 3.1 Installation
- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction.
  - B. All installed piping materials and accessories shall be tested for performance. A letter certifying the testing results shall be submitted to the Owner.
  - C. Metallic lined plastic underground warning tape shall be installed above the piping.

**WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS**  
**DIVISION 22 – PLUMBING**

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END OF SECTION 221113