

Roanoke River

To 13th St.

Bennington St.

Fire Training Tower

Mt. Pleasant Blvd.

Riverland Rd.

To Garden City Blvd.

To Burnt Chimney

Pump Station Site

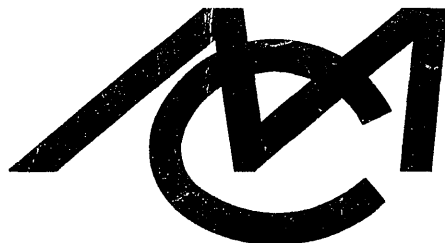
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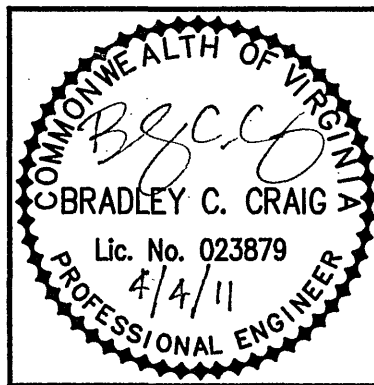
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1. All construction methods and materials shall conform to the latest edition of the Design and Construction Standards and Specifications of the Western Virginia Water Authority (Authority). Project shall also comply with the controlling jurisdiction's and other agency's standards (VDOT, DEQ, DCR, VDH, etc.)
2. Traffic control shall be provided in accordance with the most recent MUTCD Manual and the VDOT Work Area Protection Manual.
3. The Contractor shall notify Project Manager, David Vogelsong (540-853-5688) at least (3) days prior to construction.
4. A pre-construction conference shall be scheduled at least one (1) week prior to construction.
5. The Contractor shall have a valid Miss Utility ticket prior to excavation. Contact Miss Utility at 1-800-552-7001.
6. All existing utilities may not be shown or may not be shown in their exact location. Contractor shall locate all utilities and determine all inverts in advance of the construction to allow for adjustments due to conflicts with other utilities. The Contractor shall comply with State Water Works Regulations, Section 12.05.03, and Sewage Collection and Treatment Regulations where lines cross.
7. An approved set of plans and permits must be available at the construction site at all times.
8. The Contractor shall provide adequate means of cleaning mud from all vehicles and equipment prior to entering public streets. It is the Contractor's responsibility to ensure that the streets are kept in a clean, mud and dust free condition at all times.
9. Field changes shall be approved by the Authority Engineering Division prior to such construction.
10. Contractor shall make provisions to provide access to all properties during construction and shall maintain safe accessibility to fire hydrants at all times.
11. The Contractor shall supply the Authority with correct as-built plans before substantial completion will be granted
12. The waterlines along Riverland Road and Bennington Street are on the Gravity Pressure Zone (hydraulic grade line is elevation 1136). Normal working pressures are 95-100 psi in this area. The waterline along Mt. Pleasant Boulevard (on the discharge side of the booster pump station) is on the Mt. Pleasant Pressure Zone with a HGL of 1243. Normal working pressures are 140-150 psi in this area.
13. The 24" waterline shall be class 350 ductile iron pipe conforming to AWWA C151. Fittings shall be mechanical joint. Mechanical joint pipe (with mechanical joint restraint devices) shall be utilized where joint restraint is required.
14. The 16" raw water line shall be AWWA C-905 pipe (DR 21) for reclaimed water applications. Pipe shall be purple.
15. Valves for the 24" waterline shall be Class 250B butterfly valves conforming to AWWA C504.

 **Mattern & Craig**
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AS Built
Call
2-9-12

Robert W. Cummings
Director of Water Operations

4/04/2011
Date



Director of Engineering Services

4.1.11
Date



WESTERN VIRGINIA WATER AUTHORITY

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