



Revised 3-31-11  
2<sup>nd</sup> Revision 5-4-11

**PROJECT SPECIAL PROVISIONS**  
Utility Construction

Revise the 2006 Standard Specifications as follows:

**Utility Owners' Contact Information:**

**Page 15-1, Subarticle 1500-2 Cooperation with the Utility Owner**, paragraph 2, and add the following sentences:

The water and sewer lines on this project belong to Elizabeth City. The contact person is listed below.

Mr Paul Fredette – Utility Systems Superintendent, and he can be reached by phone at 252-337-6628.

**Water and Sewer Line Installation:**

**Page 15-7, 1510-3 Subarticle Construction Requirements**, paragraph 2, and add the following sentences:

**Page 15-13, Subarticle 1520-3 Construction Requirements**, paragraph 1, and add the following sentences:

The excavation and bedding for the proposed water and sewer lines encased in foamed concrete will be incidental to the Roadway Pay Items for Undercut and Foamed Concrete. The material cost, dewatering, installation, testing and supporting the water and sewer lines within the foamed concrete will be incidental to the Utility Pay Items for Water Lines, Sanitary Gravity Sewer or Force Main Sewer

**Water and Sewer Line Materials**

All water and sewer lines shall be DI Restrained Joint Pipe. The 4"-14" DI Restrained Joint Pipe shall be Pressure Class 350. The 24" DI Restrained Joint Pipe shall be Pressure Class 250. The pipes less than 4" shall be PE tubing, SDR 9, 200# WP

**Relocate Fire Hydrant:**

**Page 15-11, 1515-5 Measure and Payment**, paragraph 2, and add the following sentences:

Elizabeth City may provide new fire hydrants to replace the existing fire hydrants shown to be relocated. The existing fire hydrants not used will be picked up by the city

*Revised 5-4-11***Temporary Water and Sewer Lines**

To temporarily relocate the 6" water line at the intersection of Road Street and Elizabeth Street additional quantities were added to install 1025' of 6" water line from Road Street to the beginning of the project, outside the proposed construction limits for the foamed concrete. If the two 6" water lines tying into existing water line in Road Street can't be plugged and back feed as shown on the plans those water lines will need to be tied into the temporary water line. Two 6" valves were also added. The contractor can use 6" PVC, SDR 21 for the temporary water line only. The phasing of all the water line installations crossing Elizabeth Street shall be coordinated with the Engineer and Elizabeth City. This item may not be necessary if alternative phasing for the water line installations crossing Elizabeth Street is approved by the Engineer and Elizabeth City. Elizabeth City will require the contractor to maintain a certain number of existing or temporary water lines crossing Elizabeth Street to maintain the required flow for fire protection. A special pay item will be shown for the temporary water pipe.

In areas where the foamed concrete or proposed culverts are proposed, the entire roadway is being undercut well below the existing utilities. There is no way to maintain the existing utilities while the foamed concrete or proposed culverts are being installed. The contractor will be responsible for all costs to maintain temporary water and sewer services during the excavation of the existing roadways, placing foamed concrete and installing the proposed water and sewer lines. After all services are switched to the proposed water and sewer lines, the temporary services can be removed.

The construction of the proposed culvert at MLK and Poindexter may start in the early phase of the contract, at this phase of construction Elizabeth City water and sewer line construction may not be completed, so the contractor will need to coordinate the temporary water and sewer service installations at the proposed culverts with the City. The temporary service connections may need to be extended to North Pearl Street. The contractor is responsible for all costs to provide temporary water and sewer service to all customers affected by the culvert construction until the proposed water and sewer lines are installed and put into services along MLK and Poindexter.

The City will only provide the power drop and meter at each location proposed by the contractor, the contractor shall provide the meter box/service panel /pole for each location and all incidentals necessary to connect temporary services that require power. The cost to maintain power to temporary services will be the contractor's responsibility.

**Measurement and Payment:**

No direct payment will be made for utility construction work required by the preceding provisions, which are general requirements applying to utility construction, and all of the requirements stated will be considered incidental work, paid for at the contract unit prices of the various utility items included in the contract.

**1. Temporary Water and Sewer Service:**

Temporary water and sewer services shall be in accordance with Standard Specifications for Roads and Structures, Elizabeth City Standard Specifications and any local or state requirements.

The design, installation, and operation to provide temporary water and sewer service outside the construction limits shall be the Contractor's responsibility

The temporary water and sewer services provided by the contractor shall be approved by the Engineer and Elizabeth City

The temporary water and sewer service pipe shall be PE tubing, SDR 9 200# WP

Elizabeth City will provide stub-outs (meter box and angle valve) to provide service connections for the temporary water lines. See plans for details.

The payment shall be made at the contract lump sum price for "Temporary Water and Sewer Service" which includes the materials, installation, labor and any incidentals necessary to provide temporary water and sewer service during the construction of this project. The lump sum bid price shall be full compensation for all equipment and labor necessary complete the work in accordance with the plans, specifications, and as directed by the Engineer

## **2. Temporary Water Line:**

Temporary (PVC) water pipe shall be installed in accordance with the applicable with Standard Specifications for Roads and Structures, Elizabeth City Standard Specifications utility provisions herein and as directed by the Engineer and Elizabeth City

PVC pipe shall be of the size, dimension ratio (SDR) pressure rating as noted on the utility plans. The pipe, when used for conveying drinking water, shall meet the requirements of the National Sanitation Foundation Seal of Approval. The pipe shall be circular in shape with no appreciable distortion and shall conform to ASTM D2241

The pipe shall have a gasketed joint used in conjunction with an integral bell which shall be a homogeneous part of the pipe. The joints for PVC water pipe shall conform to ASTM D3139 for push-on-joint type pipe using flexible elastomeric seals conforming to ASTM F477. The PVC pipe bells made as an integral part of the PVC pipe shall conform to ASTM D3139. The pipe joints shall be assembled in accordance with the recommendations of the manufacturer and in accordance with the specifications.

Polyvinyl chloride (PVC) water pipe shall require the use of Ductile Iron Water Pipe Fittings. The fittings used will be incidental to the water line.

Polyvinyl chloride (PVC) water pipe and DI fittings, installed in accordance with the Engineer and provisions herein and accepted, will be measured along the pipe from end to end, with no deductions for fittings or valves, and paid for at the contract unit price per linear foot for "Temporary 6" PVC Water Pipe, SDR 21, 200 # WP". Such prices and payments will be full compensation for furnishing all labor, equipment, material, pipe accessories, DI fittings, gaskets, pipe plugs, seals, excavation, backfilling, anchoring, pressure testing, chlorinating, and incidentals necessary to complete the work as required.

**PROJECT SPECIAL PROVISIONS****Utilities by Others****General:**

The following utility companies have facilities that will be in conflict with the construction of this project:

- A. Centurylink Telephone
- B. Elizabeth City Power
- C. Elizabeth City Water/Sewer
- D. Mediacom CATV
- E. Piedmont Gas
- F. Time Warner Cable

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owners. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105.8 of the Standard Specifications.

**Utilities Requiring Adjustment:****A. Centurylink Telephone**

1. The contact person is Mr. Rod Medlin at 252-413-7711. See Utility Plans by Others. All directional bore relocations will be done by August 19, 2011. All other relocations will be done by March 1, 2012.

**B. Elizabeth City Power**

1. The contact person is Mr. Karl Clow at 252-337-6780 See Utility Plans by Others. All directional bore relocations will be done by August 19, 2011. Elizabeth City Power will remove the transmission lines along Water Street, and will replace the transmission lines after the project is completed. All other relocations will be done by March 1, 2012.

**C. Elizabeth City Water/Sewer**

1. The contact person is Paul Fredette at 252-337-6628. See Utility Plans by Others. All relocations will be done by March 1, 2012. The Grinder Pump Station on Parcel 13, shall be installed prior to the Force Main installation over the culvert on Poindexter St. Elizabeth City will install a Grinder pump to provide sewer service to Parcel 13 The Contractor shall coordinate this work with Elizabeth City

D. Mediacom CATV

1. The contact person is Mr. John Hamer at 252-232-1010. See Utility Plans by Others. All other relocations will be done by August 19, 2011.

E. Piedmont Gas

1. The contact person is Mr. Will Morrison at 252-264-2714. See Utility Plans by Others. The existing gas line will be adjusted as necessary, or a new gas line will be installed.

F. Time Warner Cable

1. The contact person is Mr. Scott Oser at 919-497-6865. See Utility Plans by Others. All directional bore relocations will be done by August 19, 2011. All other relocations will be done by March 1, 2012.