

NC 24 FROM WEST OF SR 1006
(MAXWELL RD. / CLINTON RD.)
TO SR 1853 (JOHN NUNNERY RD.)

CUMBERLAND COUNTY, NORTH CAROLINA
NCDOT PROJECT: R-2303A, WBS 34416.1.1

**UTILITY CONSTRUCTION
PROJECT SPECIAL PROVISIONS**



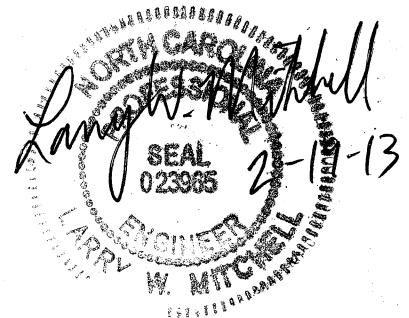
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES AND ENCROACHMENTS ENGINEERING UNIT
1555 MAIL SERVICE CENTER
RALEIGH, NC 27699-1555

February 19, 2013

Prepared By:

AECOM

Technical Services of North Carolina, Inc.
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607-5238
PROJECT NO. 60185480



PROJECT SPECIAL PROVISIONS
Utility Construction**I. GENERAL CONSTRUCTION REQUIREMENTS:****Specifications:**

The proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated January 2012, and the details as shown on the plans, as outlined in the following provisions, or as directed by the Engineer.

Revise the *2012 Standard Specifications* as follows:

Page 15-6, Subarticle 1510-3-(A) Construction Requirements, change the allowable leakage formula and use continuous feed method for chlorination of water lines:

$$W=LD(P)^{1/2} / 148,000$$

Flush the water line prior to sterilization to remove all debris and dirt. Use the continuous feed method for chlorinating the water line in accordance to AWWA C651, Section 4.4.3.

Owner and Owner's Requirements:

The existing water and sewer mains to be relocated are owned by the Town of Stedman. The water pump station and discharge water main supplying Autryville are owned by the Town of Autryville. The existing 12" water main and 8" sanitary sewer main on Maxwell Road are owned by the Fayetteville PWC. The improvements to these PWC mains are considered betterments. The Contractor shall provide access for the owners' representatives to all phases of construction. The owners shall be notified two weeks prior to commencement of any work and one week prior to service interruption. Only authorized personnel of the owners shall operate valves in the existing water distribution or sewer collection systems.

Nitrile Gaskets:

Proposed water main pipe to be installed in the vicinity of contaminated soil identified on the utility construction plans shall include nitrile gaskets in lieu of standard gaskets.

Water Pump Station:**Demolition of Existing Water Pump Station:**

Work shall include the demolition and removal, but not be limited to, the following:

1. Chain link fence and gate.
2. Asphalt driveway.
3. Exterior 6-inch DI pipe, fittings, valves and meter vault.
4. Electrical service.
5. Interior pumps, piping, valves, and fittings.
6. Brick building and foundation approximately 15 feet x 11 feet.

Proposed Water Pump Station:

Proposed water pump station shall include, but not be limited to, the following:

1. Duplex water pumps with a flow rate of 125 gpm at a Total Dynamic Head (TDH) of 50 feet and a 5 Hp motor.
2. 6-inch ductile iron (DI) piping, fittings, and valves to and from the building with meter vault.
3. 4-inch DI internal to the station with associated gate and check valves for proper operation and maintenance.
4. Electrical controls for pumps.
5. Electrical service.
6. Building approximately 15 feet x 11 feet with a brick exterior and a flat roof.
7. Chain link fence and gate.
8. Asphalt drive.

II. MEASUREMENT AND PAYMENT:

Nitrile Gaskets: will be measured and paid for per each gasket installed and shall include one gasket per bell end of pipe, two gaskets per valve, one gasket per fire hydrant, and three gaskets per tee. Payment is limited to material only.

Water Pump Station: will be measured and paid for lump sum. Payment will be inclusive of all work, materials, and equipment to include, but not limited to, site grading, building structure, pumps and appurtenances complete as shown on the plans.

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**UTILITIES BY OTHERS
PROJECT SPECIAL PROVISIONS**



**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES AND ENCROACHMENTS ENGINEERING UNIT
1555 MAIL SERVICE CENTER
RALEIGH, NC 27699-1555**

March 4, 2013

Prepared By:

AECOM

**Technical Services of North Carolina, Inc.
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607-5238
PROJECT NO. 60185480**

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 and Fayetteville PWC – Telecommunications**
- B) South River EMC and Progress Energy – Power Distribution and Transmission**
- C) Time Warner Cable - Cable Television**

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 owner or his Contractor. 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 – Telecommunications**
 - See Utilities by Others Plans for details.
All work to be completed by Date of Availability.
 - Contact Mr. Kevin Godwin @ 910-366-2142

A) Fayetteville PWC - Telecommunications

- See Utilities by Others Plans for details.
All work to be completed by Date of Availability.
- Contact Ms. Darlene Goodheart @ 910-223-4526

B) South River EMC – Power Distribution and Transmission

- See Utilities by Others Plans for details.
All work to be completed by Date of Availability.
- Contact Mr. Scott Byrd @ 910-892-8071

B) Progress Energy – Power Distribution and Transmission

- See Utilities by Others Plans for details.
All work to be completed by Date of Availability.
- Contact Ms. Sheila Talton @ 919-481-6126

C) Time Warner Cable – Cable Television

- See Utilities by Others Plans for details.
All work to be completed by Date of Availability.
- Contact Mr. Tony Mlynski @ 910-401-5088