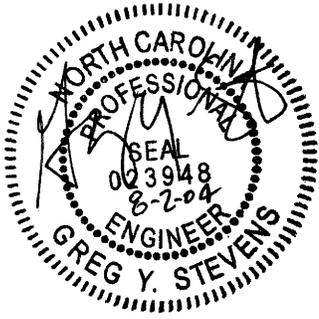


Project: R-2417BB
County: Lee



PROJECT SPECIAL PROVISIONS
Utility Construction

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 2002, and the following provisions.

The depth of pipeline installation may vary to achieve minimum clearance of existing or proposed utilities or storm drainage while maintaining the minimum cover specified (whether existing or proposed pipelines, conduits, cables, mains, and storm drainage are shown on the plans or not).

After the installed pipe, fittings, valves, hydrants, corporation stops and end plugs are inserted and secured, the pipe line shall be subjected to a hydrostatic pressure test of 150 psi for a period of 2 hours, by pumping the section full of clean water using an approved pressure pump. Cross connection for flushing and chlorination shall be made by means of a temporary connection from the supply pipe with an approved backflow prevention device. Taps for the cross connection piping shall be made to the portion of the existing water main that will be removed from service. The proposed water main shall be laid to within one pipe length of the point of final connection prior to flushing and testing. All flushing and chlorination work shall be performed in accordance with AWWA C651-99. All fittings, valves, piping and backflow prevention devices required for flushing, chlorination and testing shall be incidental to the cost of the proposed pipe being tested.

Contractor shall make such arrangements, as the utility owner requires, for measuring and paying for the water required to flush and to test water mains.

Copies of bacteriological testing reports shall be provided to the utility owner prior to activating new water mains.

Owner and Owner's Requirements:

The existing utilities belong to Lee County The Contractor shall provide access for the owner's representatives to all phases of construction. Notify the owner two weeks before commencement of any work and one week before service interruption.

Utility Locations Shown on the Plans:

The location, size, and type material of the existing utilities shown on the plans are from the best available information. The Contractor will be responsible for determining the exact location, size, and type material of the existing facilities necessary for the construction of the proposed utilities and to avoid damage to existing facilities.

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 BEDDING MATERIAL:

Bedding material for utility lines shall be installed in accordance with the applicable utility provisions herein, as shown on the utility construction plans, and/or as directed by the Engineer.

Bedding material shall meet the requirements of Article 1016-3 of the Standard Specifications. Bedding material shall be installed in accordance with Articles 300-6 and 300-7 of the Standard Specifications.

Bedding material installed in accordance with the plans and provisions herein and accepted, will be measured and paid for at the contract unit price per ton for "Bedding Material, Utilities Class (IV)". Such prices and payments shall be full compensation for all materials, labor, equipment, compaction and shaping the bedding material in accordance with Article 300-4 of the Standard Specifications, and incidentals necessary to complete the work as required.

PROJECT: R-2417BB
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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. PROGRESS ENERGY
- B. BELL SOUTH
- C. ALLTEL COMMUNICATION
- D. PUBLIC SEVICE GAS COMPANY
- E. DIXIE PIPE LINE
- F. CHARTER COMMUNICATION CABLE TV
- G. CENTRAL EMC
- H. CITY OF SANFORD

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. The utility owners will do all utility work listed herein. 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. Progress Energy Corporation
A temporary power line will be installed on Y1 (O'Quinn) and Y3 (NC 42) during bridge construction and permanent line will be installed after completion of new bridge. On the other locations the power line will be installed prior to January 5th 2005.
See Utilities by Others Plans for details.
- B. Bell South
The underground fiber optic line will be adjusted as necessary on (Y3) NC 42. See Utilities by Others Plans for details.
- C. Alltel Communication
The underground cable will be installed by directional bore below the cut area from C/A line to C/A on Y1 (O'Quinn Road) and below the fill area on Rice Road (Y2) prior to January 5th 2005.
See Utilities by Others Plans for details.

On (Y3) NC 42 from Sta. 10+00 to Sta. 18+50 after clearing the R/W Alltel will need 45 days to install their buried cable and remove aerial lines. See Utilities by Others Plans for details.

D. Public Service Gas Company

Gas main on NC 42 (Y3) will be adjusted as necessary.
See Utilities by Others Plans for details.

E. Dixie Pipe Line

Six inch steel pipe line will be installed by directional bore from outside R/W to outside R/W in their existing easement crossing L line at station 578+50.84 and (Y3) NC 42 at station.35+23.90.
See Utilities by Others Plans for details.

F. Charter Communication Cable TV

On O'Quinn Road (Y1) will reattach to EMC line.
On Rice Road (Y2) and NC 42 (Y3) will reattach to Progress Energy.
See Utilities by Others Plans for details.

G. Central EMC

On O'Quinn Road (Y1) work will be done prior to January 5th 2005.
See Utilities by Others Plans for details.

H. City of Sanford

The existing 16" water line on NC 42 (Y3) will be adjusted as necessary due to conflict with proposed drainage pipes. All appurtenances in conflict will be adjusted/ relocated by city of Sanford