



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 2002, and the following provisions.

Lay water mains at least 10' laterally from existing or proposed sanitary sewers.

The depth of pipeline installation may vary to achieve minimum clearance of existing or proposed utilities or storm drainage while maintaining 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 200# 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 and backflow prevention devices required for 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 water required to flush and 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 **ORANGE WATER AND SEWER AUTHORITY**. 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

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

PROJECT: U-4008
COUNTY: Orange

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UTILITIES BY OTHERS:

General:

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

- A. PSNC Energy
- B. Duke Power
- C. BellSouth
- D. Time Warner Cable
- E. Progress Telecom

The conflicting facilities will be adjusted prior to the date of availability except where 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. PSNC Energy

1. See "Utilities By Others Plans" for utility conflicts.
2. PSNC Energy will complete all work prior to the date of availability, except on Line -Y4A-. PSNC will need two weeks notice prior to rough grading being completed on Line -Y4A-, and three weeks to complete the relocation of the gas lines along Line -Y4A-.

B. Duke Power

1. See "Utilities By Others Plans" for utility conflicts.
2. Duke Power will relocate all aerial power pole lines by May 1, 2005. The underground power lines crossing Line -Y4A- between station 11+70 to 12+80 cannot be abandoned prior to May 1, 2005. The contractor will not be allowed to do any grading between station 11+70 and 12+80 until Duke Power has abandoned the underground power lines on Line -Y4A-.

C. BellSouth

1. See "Utilities By Others Plans" for utility conflicts.
2. BellSouth will attach to Duke Power poles. BellSouth will need two weeks notice prior to Duke Power completing their work and three weeks to complete the work. The underground telephone lines on Erwin Road will be adjusted as necessary, BellSouth will need one week notice and two weeks to complete the work at each location of a conflict.

D. Time Warner Cable

1. See "Utilities By Others Plans" for utility conflicts.
2. Time Warner Cable will attach to Duke Power poles. Time Warner Cable will need two weeks notice prior to Duke Power completing their work and two weeks to complete the work.

E. Progress Telecom

1. See "Utilities By Others Plans" for utility conflicts.
2. Progress Telecom will adjust as necessary and will need one week notice and one week to complete the work at each location of a conflict.