



PROJECT SPECIAL PROVISIONS  
Utility Construction

All proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated July 2006. Division 15 of the Standard Specifications is revised as follows:

Page 15-1, Paragraph 4

Provide access for Department personnel and the owner's representatives to all phases of construction. Notify Department personnel and the utility owner two weeks prior to commencement of any work and one week prior to service interruption. Keep utility owner's representatives informed of work progress and provide opportunity for inspection of construction and testing. *The water and sewer lines on this project belong to Johnston County. The contact person for The City of Marion is Mr. Chris Hollerfield, PEI, and he can be reached by phone at 828.652.4224. Any work on the water and sewer lines must be coordinated through the Engineer and the utility owner before beginning.*

**COMPENSATION:**

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.

**FOUNDATION CONDITIONING MATERIAL:**

Foundation conditioning 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.

Foundation conditioning material shall meet the requirements of Section 1016 of the Standard Specifications, and the classifications shall be Type VI in accordance with Article 1016-3. Foundation conditioning material shall be installed in accordance with Articles 300-4 and 300-7 of the Standard Specifications.

No direct payment will be paid for undercut excavation for utility installation. Payment at the contract unit price for "Foundation Conditioning Material" will be full compensation for all work of pipe undercut excavation.

Foundation conditioning 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 "Foundation Conditioning Material". Such prices and payments shall be full compensation for all materials, labor, equipment, compaction and installing the foundation conditioning material in accordance with the Standard Specifications, and incidentals necessary to complete the work as required.

#### CONCRETE FALSE BOTTOM MANHOLE

Sanitary sewer manholes with false bottoms shall be installed in accordance with the utility provisions herein, as shown on the utility plans, and/or as directed by the Engineer.

Sanitary sewer manholes with false bottoms shall be precast concrete conforming to ASTM C478 as shown on the plans. Joints between precast manhole sections shall be installed with preformed flexible plastic gaskets complying with ASTM C-990. Connections of pipe to manholes for cored or precast holes shall be by a resilient connector conforming to ASTM C923.

Sewer manholes with false bottoms over 3 feet in depth shall have steps, spaced 16 inches on center, of the type shown in Standard Detail 840.66. Cast iron shall be ASTM A48 Class 30. Steps shall be installed in accordance with the plans and standard details, and shall be tested as required in ASTM C478.

Sanitary sewer manholes with false bottoms shall be constructed with invert channels, as shown on the plans or standard details, to confine and direct the flow through the manhole. The invert channels shall be finished smooth, and shaped to provide an easy transition from inlet to outlet. The benches or shelves shall be finished to a non-slip texture and shall be sloped toward the invert channel. The concrete used for the false bottoms shall conform to Standard Specification Section 1000 for Class B concrete.

Manhole frames and covers shall be of cast iron conforming to ASTM A48 Class 30, shall be traffic bearing, and shall have machined contact surfaces. Manhole frames and covers shall be as shown on plans or an approved equal. Covers shall have 2 air vents, 1 inch in diameter unless manholes are shown with watertight manhole rings and covers.

Sanitary sewer manholes will be measured on a "per each" basis, and measurement will be made for the appropriate diameter of manhole and the actual number constructed as required and accepted.

Sanitary sewer manholes with false bottoms measured as provided above and accepted will be paid for at the contract unit price per each for "\_\_\_' Diameter Precast Concrete False Bottom Manhole, 0-6 Foot Depth". Such prices and payments will be compensation in full for all materials, labor, equipment, excavation, backfill, and incidentals necessary to complete the work as required including the flat top slab and castings for access.

PROJECT SPECIAL PROVISIONS

## Utility

UTILITIES BY OTHERS:

## General:

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

- A) Duke Power - Power Distribution
- B) AT & T of North Carolina - Fiber Optic
- C) Verizon - Telephone

The conflicting facilities of these concerns will be adjusted prior to the date of availability, 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. 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) Duke Power - Power Distribution

- 1) Duke Power will remove its poles and lines and relocated them to permanent locations as shown on the Utilities by Others Plans by date of availability.
- 2) Contact person for Duke Power is Mr. Perry Windsor at 704-652-4224.

## B) AT &amp; T of North Carolina - Fiber Optic

- 1) AT & T of North Carolina will abandon its buried underground lines at the existing locations within the project limits and install new buried cable at the locations shown on the Utilities by Others Plans by date of availability.
- 2) Contact person for AT & T of North Carolina is Mr. J. Scott Addington at 828-258-7138.

C) Verizon - Telephone

- 1) Verizon will abandon their underground cable and remove their poles, install new poles, and attach their cables to the new poles as shown on the on the Utilities by Others Plans by the date of availability.
- 2) Contact person for Verizon is Mr. John Reese at 828-645-1829.