



PROJECT SPECIAL PROVISIONS  
Utility Construction

GENERAL CONSTRUCTION REQUIREMENTS:

Specifications:

The proposed utility construction shall meet the applicable requirements of the NC Department of Transportation "Standard Specifications for Roads and Structures" dated July 2006 and the provisions outlined below.

Owner and Owner's Requirements:

The existing water and all sanitary sewer belong to the City of Marion. The contact person for the city is Mr. Bob Boyette. Mr. Boyette can be reached by telephone at (828) 652-4224. The Contractor shall provide access for the owner's representatives to all phases of construction. The owner shall be notified two weeks prior to commencement of any work and one week prior to service interruption. Interruption of water service or force main sewer service on main lines shall be limited to a maximum of 4 hours unless approved by the Engineer.

Any cracked, damaged, or defective pipe, fittings, valves, hydrants, or other attachments discovered as a result of the pressure test, shall be removed and replaced with sound material. The tests shall be repeated until test results are satisfactory.

Utility Locations Shown on the Plans:

The locations, sizes, 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.

Dewatering will not be measured and paid for as a separate bid item. All costs involved in dewatering shall be included in the applicable bid item for the various forms of work, i.e. pipe, structures, etc.

Sterilization will not be measured and paid for as a separate bid item. All costs including chlorinating equipment, materials, excavation, barricades, backfilling, and any taps and corporations and re-sterilization shall be included in the applicable bid price for piping and other forms of work.

Sanitary Sewer:

Installation and testing of all sanitary sewer lines shown on the utility construction plans shall be accomplished in accordance with Section 1520 of the Standard Specifications (July 2006).

**Sanitary Sewer Manholes:**

All precast sanitary sewer manholes shall be fabricated in accordance with NCDOT Roadway Standard Drawing 840.52. The frame and cover shall be fabricated in accordance with Standard Drawing 840.54 with the exception of the unit weights. The frame shall be 190 pounds and the cover 125 pounds (or greater) for a total weight of 315 pounds.

**Sanitary Sewer Service Connections:**

Main line sewer connections shall use a wye branch constructed with the same material as the main line sewer. Sewer service lines shall be constructed of either PVC or ductile iron. Soil pipe will not be accepted.

The standard sewer service connection shall be 4 inches in diameter unless otherwise shown on the utility construction plans. Direct taps into the sewer main will not be allowed. Sewer service connections with less than 36" of cover shall be ductile iron. A sanitary sewer cleanout shall be installed at the edge of the right-of-way. The cleanout plug shall be threaded and installed flush with grade.

**Valves:**

All valves shall conform to the requirements of Section 1036 of the Standard Specifications, and be installed in accordance with Section 1515. Valves shall be resilient seat type gate valves and shall open left (counter clockwise).

**Encasements:**

All encasements shall be provided in accordance with Section 1540 of the Standard Specifications (July 2006) with the exception that any encasement pipe installed on this project shall be smooth wall welded steel conforming to ASTM A139, Grade B.

**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.