

County: Rockingham
Project: B-4252



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 July 2006, and the details as shown on the plans, as outlined in the following provisions, or as directed by the Engineer.

Water mains shall be installed by Trenchless methods from Sta 0+50 -L- to Sta 2+50 -L-, Sta 2+95 -L- to Sta 3+70 -L- and Sta 4+50 -L- to Sta 7+00 -L-. The pipe material for trenchless installation inside dimension will be equivalent to 16-inches inside diameter.

The Contractor is herein forewarned of non-crystalline rock existing below elevation 546 feet MSL and having to vary the depth of pipeline installation to achieve minimum clearance of existing or proposed structures, 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).

Owner and Owner's Requirements:

The existing water and sewer utilities are owned by The Town of Madison. 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.

Gravity Sewer Restrained Joint Pipe:

Restrained joint pipe and fittings shall be located and constructed as indicated on plans. Restrained pipe and fittings shall be flex-ring or lok-ring type joints; TR-flex,; Bolt-lok or equal.



Gravity Sewer Steel Pipe:

Steel Pipe and couplings shall be located and constructed as indicated on plans. Steel pipe shall be smooth wall seamless or spiral weld pipe with wall thickness equal to or greater than 0.250 inches and a minimum yield strength of 35,000 psi.

Steel Pile Piers:

Steel pile piers shall be located and constructed as indicated on plans to include all rebar, concrete, steel piles, bolts, nuts, straps, neoprene pads and other incidental items indicated for a complete gravity sewer support structure with steel pile foundation.

II. MEASUREMENT AND PAYMENT:

Gravity Sewer Restrained Joint Pipe: will be measured and paid for per linear feet. Measurement will be made horizontally to the nearest tenth of a linear foot of restrained joint pipe

Gravity Sewer Steel Pipe will be measured and paid for per linear feet. Measurement will be made horizontally to the nearest tenth of a linear foot of Steel pipe.

Steel Pile Piers: will be measured and paid for per each.

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) Piedmont Natural Gas – Gas Transmission & Distribution**
- B) Embarq – Telecommunications**
- C) Duke Energy – Power Distribution**
- D) 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) Piedmont Natural Gas –Distribution

- See Utilities by Others Plans for Details. All work to be completed by date of availability.
- Contact Mike Sipe @ 336-552-7358

B) Embarq - Telecommunications

- See Utilities by Others Plans for Details. All work to be completed by date of availability.
- Contact Mr. Josh Sturtz @ 910-797-1695, josh.x.sturtz@embarq.com

C) Duke Energy – Electric Facility

- See Utilities by Others Plans for Details. All work to be completed by date of availability.
- Contact Mr. Randy Roberts @ 336-634-4666; Cell 336-616-4690

D) Time Warner Cable – Cable Television

- See Utilities by Others Plans for Details. All work to be completed by date of availability.
- Contact Mr. Brian Bowers @ 336-217-3465