

September 6, 2011

Project: R-2309AB
County: Guilford



PROJECT SPECIAL PROVISIONS
Utility Construction

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 following provisions.

Revise the 2006 Standard Specifications as follows:

Utility Owner's Contact Information:

Page 15-1; Sub-article 1500-2 Cooperation with the Utility Owner, paragraph 2, add the following sentences:

The utility owner is the City of Greensboro. The contact person is Mr. Brian Boyd and he can be reached by phone at (336)373-4131.

Temporary Water and Sewer Line Support

The existing water and sewer lines at the location shown on the plans shall be temporarily supported during the construction of the proposed culvert. The Contractor shall be responsible for furnishing all equipment, labor, and materials necessary to temporarily support the existing water and sewer lines in place.

The Contractor shall be responsible for designing the method of temporary support. The Contractor shall obtain approval for the design through the Engineer prior to construction of the temporary support. The water line and sewer line shall both remain in service throughout the construction of the proposed culvert while they are being temporarily supported. The water line can be shut down for one eight hour period, if necessary, in order to install the temporary support. Flow through the sewer line must be maintained at all times.

After completion of the culvert, the water line and sewer line shall be backfilled, including flowable fill directly beneath the pipes, as shown on sheet UC-10, and the temporary support shall be removed.

Measurement and Payment

Temporary Water Line Support and *Temporary Sewer Line Support* will each be measured and paid for as each. Such price and payment will be full compensation for all work covered by this provision, including but not limited to design of method, installation and removal of temporary support method, flowable fill, and backfilling with approved material.

Payment will made under:

Pay Item	Pay Unit
Temporary Water Line Support	Each
Temporary Sewer Line Support	Each

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 Energy - Transmission
- B) Duke Energy - Power Distribution
- C) Time Warner – Cable TV
- D) A T & T - Telephone
- E) Williams Transcontinental Pipeline - Gas
- F) CenturyLink Communications - Telephone
- G) Level 3 Communication – Fiber Optic Cable
- H) Piedmont Natural Gas – Natural Gas Distribution

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. 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 Energy - Transmission
 - 1) Duke Energy transmission will not have any relocations on this project.
 - 2) Contact person for Duke Energy transmission is Mr. Mike Montgomery 704-382-6468.
- B) Duke Energy - Electric Distribution
 - 1) Duke Energy will relocate its electric distribution lines and poles except as noted below within the project limits at the locations shown on the Utilities by Others Plans by date of availability.
 - 2) Contractor shall provide Duke Energy with a four(4) weeks notice when the guardrail in the area of -Y23- station 13+33+/- is completed. Contractor shall

allow Duke Energy two(2) days to complete the installation of their poles and overhead lines.

- 3) Contractor shall provide Duke Energy with a four(4) week notice when the rough grading is completed in the area of -Y20- station 16+35+/- to 16+70+/-.
Contractor shall allow Duke Energy two(2) weeks to complete the installation of their poles, overhead lines and underground lines.
- 4) Contact person for Duke Energy distribution is Mr. Billy Starr at 336-854-4733.

C) Time Warner Cable - Cable TV

- 1) Time Warner Cable will abandon its overhead and underground facilities and relocate their facilities except as noted below to poles installed by Duke Energy within the project limits at the locations shown on the Utilities by Others Plans by date of availability.
- 2) Contractor shall provide Time Warner Cable with a four(4) weeks notice when the guardrail in the area of -Y23- station 13+33+/- is completed. Contractor shall allow Time Warner Cable two(2) days to complete the installation of their lines.
- 3) Contractor shall provide Time Warner Cable with a four(4) week notice when the rough grading is completed in the area of -Y20- station 16+35+/- to 16+70+/-.
Contractor shall allow Time Warner Cable two(2) weeks to complete the installation of their overhead lines.
- 4) Contact person for is Mr. Tony Barnes 336-217-3461.

D) A T & T - Telephone and Fiber Optic Cable

- 1) A T & T will adjust as necessary its facilities for drainage installations on -Y27-, -Y21-, and -Y6-. Contractor shall provide AT&T two(2) weeks notice and allow AT&T one(1) week to complete the work at each location.
- 2) Contact person for A T & T is Mr. Jim Brooks at 336-788-0150.

E) Williams Transcontinental Pipeline - Gas

- 1) Prior to crossing Williams Transcontinental Pipeline's gas mains, except within existing -Y26-(Old US 220) pavement as designated on plan sheets UO-8 (Roadway sheet 10) and UO-9 (Roadway sheet 11), Contractor shall obtain approval from Williams Transcontinental Pipeline. Contractor to submit list of equipment to the Resident Engineer that will be used prior to performing work over Williams Transcontinental Pipeline's facilities in this area.

- 2) In stage I work, Williams Transcontinental Pipeline will complete its improvements to its facilities as shown on the Utilities by others Plans within the project limit by to November 1, 2012.
- 3) In stage II work, Contractor shall provide Williams Transcontinental Pipeline six(6) month notice as to when existing US 220 will have traffic shifted to proposed highway 220 and Y26 work has been completed to accept traffic. Contractor shall allow Williams Transcontinental Pipeline four(4) months to complete its improvements to its facilities. The Contractor and Williams Transcontinental Pipeline shall coordinate this work.
- 4) **Contractor shall allow Williams Transcontinental Pipeline access to the project to install improvements to their facilities within the project limits. Contractor shall not place fill over these facilities until Williams Transcontinental Pipeline has completed its work.**
- 5) Contact person for Williams Transcontinental Pipeline for daily work over its facilities is Mr. Walter Romine, 4300 NC 65 Reidsville, NC telephone number 336-651-2251.
- 6) Contact person for Williams Transcontinental Pipeline is Mr. Stanley Tolman 434-964-2123.
- 7) Additional Williams Transcontinental Pipeline requirements are in the "Williams Gas Pipeline Requirements for Landowner & Third Party Construction" which is made part of the proposal and follows these project special provisions.

F) CenturyLink Communications - Telephone

- 1) CenturyLink Communications will abandon its existing facilities and relocate them to the locations within the project limits as shown on the Utility by Other Plans by date of availability.
- 2) CenturyLink Communications will adjust its underground facilities as necessary and adjust pedestals as required within the project limits.
- 3) Contact person for CenturyLink is Mr. Lee Price at 336-623-6533.

G) Level3 Communication

- 1) Level3 Communications will encase its facilities within the project limits as shown on the Utilities by Others Plans by date of availability.
- 2) Contact person for Level3 Communications is Mr. Anthony D'Aruzzo at 919-931-5174.

H) Piedmont Natural Gas Company

- 1) Piedmont Natural Gas Company will install a new 4" gas main within the project limits as shown on the Utilities by Others Plans prior to date of availability.
- 2) Contact person for the Piedmont Natural Gas Company is Mr. Michael Sipe at 336-348-6411.

Williams Gas Pipeline Requirements for Landowner & Third Party Construction

PIPELINE FACILITIES AND LEGISLATION

WGP is regulated by the Department of Transportation, Pipeline & Hazardous Material Safety Administration (PHMSA). The pipeline safety regulations are set forth in Title 49, Code of Federal Regulations, Part 192 "Transportation of Natural and Other Gas by Pipeline – Minimum Federal Standards."

NOTIFICATION AND CONSTRUCTION SAFETY REQUIREMENTS

1. In order to prevent unnecessary delays, WGP encourages close communication with our representative throughout your entire project. A WGP representative should participate in all pre-construction meetings. In addition, WGP can conduct a safety/informational presentation to any interested parties, including contractors, local governmental maintenance crews, and developers.
2. "One Call" systems require 48 to 72 hours notice prior to any excavation activities or equipment use on or in close proximity to WGP's pipeline facilities. Dial 811 to be connected to your State One Call system. No equipment use or excavation will occur in the vicinity of WGP's facilities until notification to "One Call" has been made. A WGP representative will be on site prior to and during any equipment use or excavation activities. Any crossings made without a WGP representative on site will be excavated at the excavator's expense to provide WGP an opportunity to inspect all affected pipeline facilities.
3. Excavations must be barricaded to protect WGP's pipelines from exposure to vehicular traffic and to ensure public safety. WGP representatives must be provided safe access to all open excavations. Excavations must be properly sloped or shored in accordance with OSHA regulations.

WGP EASEMENT, PERMITS AND AGREEMENTS

GENERAL REQUIREMENTS

1. An authorized WGP representative must be on site prior to and during any surface-disturbing work or equipment crossings performed within the Right-of-Way. WGP's representative will assist in determining the location of the pipeline, the Right-of-Way width, and existing cover over the pipeline and will remain on site to monitor all activities within the Right-of-Way.
2. WGP, at its discretion, may request evidence of comprehensive general liability insurance coverage (minimum of \$2,000,000 coverage) and other appropriate and usual insurance prior to any activity, maintenance, and/or construction on or near WGP's Right-of-Way and facilities. In the event of significant excavation under or over WGP pipelines, WGP will require that the applicable WGP pipeline company be named as additional insured on the Certificate of Liability Insurance. The insurance limits, terms, and conditions that may be required will be dependent on the specific facilities potentially impacted and what would be usually and prudently obtained in similar industry situations.

3. Stockpiling brush, trash, or other debris on the Right-of-Way is prohibited, as it may conceal pipeline markers and hinder pipeline inspections or routine maintenance.

STREETS, ROADS, TRAILS, PATHS AND DRIVEWAYS

1. The recommended minimum total cover over WGP existing pipelines is 66" at all driveways, highways, roads, streets, etc. The recommended minimum total cover over WGP existing pipelines in adjacent drainage ditches is 48".

EQUIPMENT USE IN CLOSE PROXIMITY TO THE PIPELINES

1. To protect WGP's pipeline(s) from external loading, WGP must perform an engineering evaluation to determine the effects of any proposed equipment use. Mats, timber bridges, or other protective materials deemed necessary by WGP will be placed over WGP facilities for the duration of any loading. Protective materials will be purchased, placed, and removed at no cost to WGP. The Right-of-Way must be returned to its original condition.
2. WGP may require temporary markings to identify areas where equipment use is authorized.

DRAINAGE, IMPOUNDMENT OF WATER, AND EROSION CONTROL

1. WGP may conduct preliminary engineering studies for any proposed drainage channels or ditches that will discharge toward or within the Right-of-Way. Drainage channels or ditches must be adequately protected from erosion and provide a minimum of 48" of cover over the pipeline(s).
2. Impoundment of water on WGP's Right-of-Way is not permitted. Soil erosion control measures will not be installed within the WGP Right-of-Way.

EXCAVATIONS AND BLASTING

1. Plans for excavation on the Right-of-Way require prior approval by WGP. **No machine excavation will be performed within 24" of WGP's pipeline(s) or related facilities.** WGP's onsite representative may require hand digging at a distance greater than 24".
2. When a backhoe is used for excavation, the bucket teeth should be curled under each time the bucket is brought back into the ditch to reduce the chance of the teeth contacting the pipeline. Side cutters must be removed from all buckets. At the discretion of WGP's onsite representative, a bar may have to be welded across the bucket teeth.
3. No mechanical excavation may be performed by reaching over any WGP facilities.
4. A detailed blasting plan must be submitted for review and written authorization prior to any proposed blasting within 200' (1,500' for surface mining) of WGP's pipeline facilities and a WGP representative must be on site during all blasting. In order to provide for necessary and appropriate analysis by WGP, each licensed blasting contractor must also complete and submit a WGP's Blasting Data Sheet. The blasting plan and data sheet(s) must be submitted a minimum of ten business days prior to the proposed blasting. Specific requirements applicable to proposed blasting will be provided to the licensed blasting contractor.

1. Nothing contained herein will be construed to convey, waive, or subordinate any of WGP's existing rights whatsoever.
2. WGP will be fully and completely compensated for any damages to its facilities resulting from the acts of third parties who are working in the vicinity of WGP's facilities with or without WGP's consent.
3. WGP will be indemnified from and against all claims, losses, demands, damages, causes of action, suits, and liability of every type and character, including all expenses of litigation, court costs, and attorney's fees, for injury to or death of any person, or for damage to any property, arising out of or in connection with third party work in the vicinity of WGP's facilities.

County: Guilford
Project: R-2309AB

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
- B) AT&T - TELEPHONE
- C) TIME WARNER – TV CABLE
- D) PIEDMONT NATURAL GAS

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. 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: Duke Energy will begin relocating power lines by 6/1/2011 and finish 12/1/2011
Contact person is Mr. Larry Robinson at (336) 209-6631.
See Utilities by Others Plans for details.
- B) AT&T: AT&T will attach their telephone line to power poles and will finish 10/1/2012.
Contact person is Mr. Jim Brooks at (336)788-0150, Butch Bunton (336)855-6773.
See Utilities by Others Plans for details.
- C) Time Warner: The TV Cable will be attached to the power poles. This work will be completed by 4/1/2012.
Contact person is Mr. Roger Stanfield at (336)217-3460.
See Utilities by Others plans for details.

D) Piedmont Natural Gas: Will begin relocating the gas line by 10/1/2011 and finish 1/30/2012.

Contact person is Mrs. Wesley Walton at (336)271-5021, Judy Adams (336)-271-3616.

See Utilities by Others plans for details.