



**PROJECT SPECIAL PROVISIONS**  
Utility Construction

For this project, revise the 2006 Standard Specifications as follows:

**Page 15-1, Subarticle 1500-2 Cooperation with the Utility Owner:**

Paragraph 2, add the following sentences:

"The utility owner is the City of Durham. The primary contact for the City during construction will be Mr. Timothy Jackson, who can be reached at (919)560-4326 ext. 30255 and e-mail address [Tim.Jackson@DurhamNC.gov](mailto:Tim.Jackson@DurhamNC.gov). The secondary contact will be Mr. Eric Halstead, who can be reached at (919)560-4326 ext. 30259 and e-mail address [Eric.Halstead@DurhamNC.gov](mailto:Eric.Halstead@DurhamNC.gov)."

**Page 15-8, Subarticle 1510-3 Construction Requirements, (A) Testing and Sterilization:**

paragraph 3:

Change: "...pressurized at 200 ± 5 psi for 2 hours."

To: "...pressurized at 200 ± 5 psi for 3 hours."

paragraph 5:

Change: "...visible after 2 hours duration."

To: "...visible after 3 hours duration."

paragraph 7:

Change: "Provide certified bacteriological and contaminant test results from an approved independent testing laboratory in accordance with DENR requirements."

To: "The City of Durham's chemist will perform the bacteriological and contaminant testing of Durham's water lines."

**Page 15-9, Subarticle 1515-2 Materials:**

Add the following sentences:

The proposed water and sanitary sewer utility construction shall meet the applicable requirements (i.e. material specifications, standard details, testing, policies, etc.) of the City of Durham's "Water and Sewer Construction Specifications" (dated September, 1994) and "Cross-Connection Control Manual (Last Revision: July 20, 2007).

Measurement and payment for work will be in accordance with NCDOT's "Standard Specifications for Roads and Structures" (dated July, 2006).

**Page 10-10, Subarticle 1000-7 Flowable Fill:**

Add the following paragraph:

This work shall consist of furnishing and placing ready-mixed or volumetric mixed flowable fill to fill voids under pipe invert as specified in the plans or as directed by the Engineer. Pipe invert subsurface voids shall be flat/smooth on the bottom of the pipe when construction is complete and shall be approved by the Engineer. Backfill shall not be placed on flowable fill prior to final set or hardening as determined by the Engineer. The flowable fill materials shall meet the requirements of Subarticle 340-2.

February 3, 2010

**Page 3-13, Subarticle 340-4 Measurement and Payment:**

Add the following paragraph:

The quantity of flowable fill placed and accepted will be measured and paid for at the contract unit price per cubic yard for "Flowable Fill". Such price and payment will be full compensation for all work covered by this special provision including but not limited to the mix design, furnishing, hauling, labor, placing the flowable fill, containing the flowable fill, and incidentals necessary to complete the work as required.

**Page 15-10, Subarticle 1515-4 General Requirements:**

Add (D) on the same line and before the heading "Fire Hydrants"

Add the following sentence under the heading "Fire Hydrants";

"The Contractor will provide a new fire hydrant for each of the fire hydrants requiring relocation."

**Page 15-11, Subarticle 1515-4 General Requirements, (G) Miscellaneous Controls:**

Add the following sentences;

Replace all existing galvanized water services with similar sized, new, Type "K" copper pipe and new corporation stops installed in accordance with City of Durham Detail W-3.1 and W3.2.

Prior to construction the contractor is to schedule a pre-construction walkthrough with the City of Durham's Inspection Department. All meter boxes will be examined. If they are broken or damaged the City will provide new boxes to replace the broken or damaged boxes.

**Page 15-13, Subarticle 1520-3 Construction Requirements, Gravity Sanitary Sewer:**

Add the following sentences under "(1) Pipe Installation"

Conflicts between existing sewer laterals and proposed storm drainage lines are to be resolved through the use of necessary fittings or the construction of a conflict box to reconnect the sewer lateral to the sewer main. The materials to be used in the case of conflicts are to be approved by City of Durham Engineering or Inspections Department.

No additional payment to be made to reconnect sewer service laterals.

**Page 15-21, Subarticle 1530-3 Construction Requirements, (D) Remove Fire Hydrant:**

paragraph 3:

Change: "Removed hydrants become the property of the Contractor for proper disposal."  
To: "Removed hydrants are to be placed in an area accessible by truck. Contact the City of Durham at (919)560-4344 for their pickup."

**Page 15-5, Subarticle 1505-3 Construction Requirements, (E) Thrust Restraint:**

Add the following sentences to the first paragraph:

On pipelines owned by the City of Durham, all fittings shall have concrete thrust blocking in accordance with the City of Durham's "Water and Sewer Construction Specifications", drawings

W-8.0, W-8.1, and W-8.2. The blocking does not eliminate the requirement to use restrained joint pipe.

Add the following sentence to the third paragraph:

The contractor is prohibited from using MEGALUG brand of mechanical joint restraint.

**Page 15-3, Subarticle 1500-7 Submittals and Records:**

paragraph 3:

Change: "Provide As-Built plans of the installed utility."

To: "On pipelines owned by the City of Durham, the Contractor shall provide the owner with as built plans, per the City of Durham's Specifications (City of Durham Public Works "Reference Guide for Development" Section 4.0 As-Builts Drawing Submittal Requirements)."

**Page 15-7, Subarticle 1510-2 Materials:**

Add the following paragraph ahead of first paragraph:

All proposed water lines and fittings for the City of Durham shall be Ductile Iron.

**PROJECT: U-3804**  
**COUNTY: DURHAM**

**PROJECT SPECIAL PROVISIONS**  
**UTILITY**

**GENERAL:**

**THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES THAT WILL BE IN CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT:**

- A. DUKE ENERGY (DISTRIBUTION)**
- B. PSNC ENERGY**
- C. AT&T**
- D. TIME WARNER**
- E. VERIZON**

**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 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.**

**A. DUKE ENERGY(DISTRIBUTION)**

- 1. THE PROPOSED DUKE DISTRIBUTION LINES SHOWN ON PLAN SHEETS UO-2, UO-3 AND UO-4 SHALL BE INSTALLED BY NOVEMBER 19, 2010.**
- 2. SEE UTILITIES BY OTHERS PLANS FOR DETAILS.**

**B. PSNC ENERGY**

- 1. THE PROPOSED PSNC ENERGY GAS LINE SHOWN ON PLAN SHEETS UO-3, UO-4 AND UO-5 SHALL BE INSTALLED BY OCTOBER 29, 2010. ALL OTHER GAS LINES SHALL REMAIN IN PLACE AND BE ADJUSTED AS NECESSARY. IF ADJUSTMENTS ARE NECESSARY, THE CONTRACTOR SHALL GIVE PSNC TWO (2) WEEKS NOTICE AND FIVE (5) WORKING DAYS TO DO THE WORK.**
- 2. SEE UTILITIES BY OTHERS PLANS FOR DETAILS.**

**C. AT&T**

- 1. THE PROPOSED AT&T DIRECTIONALLY BORED TELEPHONE SHOWN ON PLAN SHEETS UO-4 AND UO-5 SHALL BE INSTALLED AT A DEPTH LOWER THAN THE PROPOSED DRAINAGE TO AVOID CONFLICT WITH THE DRAINAGE ON THE RIGHT SIDE OF -L- LINE FROM STA. 46+50 TO STA. 53+00.**
- 2. SEE UTILITIES BY OTHERS PLANS FOR DETAILS.**

**D. TIME WARNER**

- 1. TIME WARNER'S AERIAL FACILITIES WILL BE ATTACHED TO PROPOSED POWER POLES. THEIR WORK SHALL BE COMPLETE BY JANUARY 4, 2011.**
- 2. SEE UTILITIES BY OTHERS PLANS FOR DETAILS.**

**E. VERIZON**

- 1. VERIZON UNDERGROUND FACILITIES SHOWN ON PLAN SHEETS UO-2, UO-3, UO-4, UO-5 AND UO-6 SHALL BE COMPLETE BY NOVEMBER 19, 2010.**
- 2. SEE UTILITIES BY OTHERS PLANS FOR DETAILS.**