



**PROJECT SPECIAL PROVISIONS**  
**Utility Construction**

Revise the *Standard Specifications for Roads and Structures*, January, 2012, as follows:

**Page 15-1, Article 1500-2 Cooperation with the Utility Owner**, paragraph 2, add the following paragraphs:

Water facilities are owned by the City of Concord. The contact person for the City is Ms. Sue Hyde, PE; she can be reached by phone at (704) 920-5401.

Prior to commencement of any water utility construction activity, contact the City of Concord Construction Manager, Mr. Phillip Kingsland, (704) 920-5425, to schedule and attend a Pre-Construction meeting with the owner's representatives and DOT's representatives. The contractor, the contractor's superintendent, and representatives of subcontractors involved in water utility work shall attend.

Notify the City of Concord Construction Manager at least 24 hours prior to beginning any water or sewer construction activity.

Maintain water and sewer service to existing customers during construction. Minimize the duration of any service disruption. Notify the City of Concord Construction Manager at least 48 hours in advance of any scheduled service disruption. Provide notice on a City approved form to City of Concord customers specifying the day and duration of any scheduled disruption, including appropriate City contact numbers.

Provide temporary potable water supplies to City of Concord customers when the duration of water service disruption exceeds 4 hours. This work is considered incidental to the water line. No additional payment will be made.

**Page 15-2, Article 1500-7 Submittals and Records:**  
Add the following sentences:

Provide one set of sealed as-built drawings and 3 sets of complete and sealed record drawings to the owner in a 40':1" horizontal and 4':1" vertical scale on 24" by 36" paper and a complete digital copy of the record drawings in PDF and ACAD format on a CD, and the executed Engineer's Certification forms with original signatures, in accordance with the requirements established by the City of Concord Code of Ordinances, Chapter 62-Article 3. The Chapter 62, Article 3

Code of Ordinance can be obtained from the City at  
<http://www.ci.concord.nc.us/Government/CityOrdinances/tabid/207/Default.aspx>.

**Materials:**

Provide materials for the proposed water and sewer utilities construction meeting the applicable requirements (i.e. material specifications, standard details, testing, policies, etc.) of the Water and Sewer Authority of Cabarrus County (WSACC) Standard Specifications, dated August, 2006, applicable current City of Concord standard details as of Date of Advertisement, and the WSACC Standard Details, dated August, 2006. City of Concord details can be obtained from the City at <http://www.ci.concord.nc.us/Departments/Engineering/FormsDownloads/tabid/333/Default.aspx>. WSACC Standard Specifications and Details can be obtained from WSACC at [http://www.wsacc.org/index.asp?Type=B\\_BASIC&SEC={56903D54-AD5E-4041-B06D-23D5BDC4DED4}](http://www.wsacc.org/index.asp?Type=B_BASIC&SEC={56903D54-AD5E-4041-B06D-23D5BDC4DED4}).

Measurement and payment for work will be in accordance with the *Standard Specifications*.

**Page 15-3, Article 1505-3 Construction Methods:**

Replace (c) Bedding with:

Refer to the Water and Sewer Authority of Cabarrus County (WSACC) Standard Specifications, dated August 2006 for bedding requirements.

**Page 15-5, Article 1510-2 Materials:**

Add the following sentence to line 19:

Refer to the Water and Sewer Authority of Cabarrus County (WSACC) Standard Specifications, dated August 2006.

**Page 15-6, Article 1510-3 Construction Methods (B) Testing and Sterilization:**

Replace line 33 with:

Dispose of waste water in accordance to the Water and Sewer Authority of Cabarrus County (WSACC) Standard Specifications, dated August 2006 and all environmental regulations. Refer to WSACC specifications for filling and venting.

**Page 15-7, Article 1515-2 Materials:**

Add the following sentence to line 17:

Refer to the Water and Sewer Authority of Cabarrus County (WSACC) Standard Specifications, dated August 2006.

**Page 15-16, Article 1530-3 Abandon or Remove Utilities, Construction**

**Methods:**

Add the following paragraph:

Sewer service laterals that are to be abandoned shall be plugged at the main, per City of Concord requirements.

**ABANDON WATER VAULT:**

Abandon existing water vault as shown on the plans by excavating, disconnecting and removing utility pipe, fittings and appurtenances, remove the vault and dispose of properly. Backfill and properly compact the excavated area.

**Measurement and Payment:**

Work will be measured and paid per each.

**Pay Item**

Abandon Water Vault

**Pay Unit**

EA

**SANITARY SEWER SERVICE REMOVAL:**

Work covered by this special provision includes all labor and material necessary to abandon existing sanitary sewer service as shown on the plans and as noted. Work under this item is limited to sanitary sewer connections 6 inches and smaller. Work shall be completed to the satisfaction of the City of Concord Engineer or their designee.

Where shown on the plans or directed by Engineer, the Contractor shall abandon existing sanitary sewer service connection, 6 inches or smaller, at the cleanout wye. Excavate service connection at the cleanout, remove wye and cleanout and glue a PVC cap onto end of pipe. Backfill the excavation, grade as needed and reseed.

**Measurement and Payment:**

Work will be incidental and will be paid at the contract unit prices of the various utility items included in the contract.

Revised 7-1-13

87

WBS# 34408

(R-2246B)

Cabarrus County

## **UTILITIES BY OTHERS**

June 28, 2013

### **UTILITY CONFLICTS:**

General:

The following utility companies have facilities that will be in conflict with the construction of this project. See "Utilities by Others" plans for utility conflicts and proposed utility locations.

- A) Duke Energy – Distribution power
- B) Windstream – Telephone fiber optic
- C) City of Concord – Transmission and distribution power
- D) PSNC – Natural Gas
- E) Time Warner Cable – Cable TV
- F) MCI – Communications fiber optic
- G) City of Monroe – Transmission gas and fiber optic
- H) Duke Energy – Transmission power
- I) NCDOT – ITS fiber optic

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and is 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 2012 Standard Specifications.

Utilities Requiring Adjustment:

- A) Duke Energy – Distribution power
  - 1) Duke Energy has numerous poles in conflict throughout the project. Duke will set new poles inside the proposed R/W south of Stough Road and east of Roberta Road. Duke will set new poles east of Roberta Church Road to –L- 42+60, where the new pole line will cross to the west and continue to –L- 61+00 and cross back to the east side. Duke will maintain the existing line to the beginning of –Y2REV-. Duke will also joint-use attach to Windstream poles that will be set inside the C/A south of Ramp "B" at the US 29 interchange.

- 2) New poles will be placed in the proposed PUE north of Ramp "C". An underground primary cable will be buried from a pole at Ramp "C" to Phillip Morris Drive near -Y4- 34+00 Rt. Duke will attach to new Windstream poles in the PUE along the south of US 29 from Roberta Church Road to the -Y2REV- and -Y4- tie-in. Duke will attach to Windstream poles from Ramp "D" north through the end of construction on -Y4-. Time Warner Cable is joint-use attached to Duke's poles.
- 3) Duke plans to begin work at Stough Road & Roberta Road. This work will begin on March 1, 2013 and be completed by October 30, 2013. Duke will begin work on Roberta Church Road by March 1, 2013 and is expected to be complete by January 15, 2014. The anticipated start date on US 29 is January 15, 2014 with completion by April 15, 2014.
- 4) Contact person for Duke is Mr. William Huffstetler at 704-641-3642.

B) Windstream Communications – Telephone fiber optic

- 1) Windstream has aerial and underground facilities in conflict throughout the project. All existing underground facilities within the project will be abandoned in place. Windstream will attach to new Duke poles on Stough Rd. and south of Roberta Rd. The City of Concord will set Windstream poles west of Roberta Church Rd., north of US 29 and inside the C/A south of Ramp "B". Duke and the City of Concord Power will attach to the poles inside the C/A. Time Warner and the City of Concord's distribution power are joint-use attached to Windstream poles along Roberta Church Rd and will relocate to new Windstream poles. The City of Concord will set the poles and transfer power transmission and distribution to new Windstream poles along US 29. The City will have to complete the transmission power build along US 29 before any of the joint-use attachments can begin. City of Concord transmission and distribution power, Windstream and NCDOT ITS fiber optic will be on the new Windstream pole along US 29. Duke will also attach to Windstream poles on US 29 from Ramp "D" north through the end of construction on -Y4-.
- 2) The City of Concord will set the Windstream poles along US 29 so they can start with the transmission build. Windstream plans to begin along US 29 on November 2, 2013 with completion by March 15, 2014. Windstream also plans to begin both Roberta Church Road and Stough/Roberta on November 2, 2013 and be completed by October 15, 2014. Roberta Church Road and Stough/Roberta will be considered one job by Windstream since they will be building their aerial facilities and maintaining a temporary fiber cable.
- 3) Contact person for Windstream is Mr. Jim Foley at 704-425-3020.

C) City of Concord – Transmission and distribution power

- 1) The City of Concord has existing transmission and distribution power attached to Windstream poles along the north side of US 29. The City will set the new Windstream poles and transfer both the transmission and distribution facilities. No joint-use attachments can be made until the City has completed their transmission work on US 29. The City has power distribution attached to Windstream poles west of Roberta Church Road and will relocate to new Windstream poles, including the poles inside the C/A south of Ramp “B”. Several underground conduits will be installed by open cut under Roberta Church Road to service future street lighting that will be installed after the project is complete.
- 2) The City will set the poles along US 29 and clear trees to build their power transmission and distribution facilities. This work is anticipated to begin on September 22, 2013 and be completed by February 22, 2014. The City will attach power distribution to Windstream poles along Roberta Church Road and install approximately seven (7) underground conduits by open cut to service future street lighting. The City and contractor will need to coordinate the installation of the conduit. The work on Roberta Church Road is expected to start November 1, 2013 in conjunction with the US 29 work and be completed by July 15, 2014.
- 3) Contact person for the City is Mr. John Russell at 704-920-5309.

D) PSNC Energy – Natural gas

- 1) PSNC Energy has an existing 4” steel gas main along the west side of Roberta Church Road in conflict. PSNC will retire the existing gas main and install a 4” plastic line inside the proposed R/W from –EL- 27+00 Lt. to –L- 28+50 Lt., where it will cross east to the Phillip Morris property near –L- 45+00 Rt. There are two (2) locations where there will be conflicts with proposed drainage on Weddington Road. An 8” steel gas main will be installed by directional bore from –Y5- 17+50 to 20+00 Rt. The existing gas main will be retired in this area. A 6” steel gas main will be directionally bored under Weddington Road at –Y5- 20+40. The existing gas main crossing at –Y5- 20+20 will be retired.
- 2) PSNC will begin work on Weddington Road around January 7, 2013 and be completed by date of availability. The relocation work on Roberta Church Road will begin around August 29, 2013 and be completed by December 1, 2013.
- 3) Contact person for PSNC is Mr. Michael Coleman at 704-810-3210.

E) Time Warner Cable – Cable TV

- 1) Time Warner has joint-use attachments on Duke and Windstream poles on Stough Rd., Roberta Rd. and Roberta Church Rd. TWC will relocate to new poles and will need to coordinate with Duke, City of Concord and Windstream. Existing underground cable will be abandoned in place on Summertree Ave., -L1- 40+50 Rt., Roberta Farms Court and Roberta Woods Court. Cable drops from new poles will be spliced into existing underground in these areas.

- 2) TWC will begin work on Roberta Church Road November 2, 2013 and be completed by August 15, 2014. Work at Stough/Roberta will begin September 1, 2013 and be completed by December 1, 2013.
- 3) Contact person for Time Warner Cable is Mr. Michael Connell at 704-378-2624.

F) MCI – Fiber optic communications

- 1) MCI has an existing underground fiber optic cable along the north side of US 29 that will be in conflict with construction. MCI will retire the existing fiber in place and install a new fiber in a 1”-2” HDPE conduit. The new conduit will be placed just inside the proposed R/W from –Y4- 5+00 to 12+50 Rt. and –Y4- 26+50 to 40+00 Rt. The new fiber will be placed inside the existing R/W in front of Christy’s Nursery and close to the slope stake line at the interchange area. The fiber will be installed by directional bore from the beginning of the project limits on –Y4- to approximate Sta. –Y4- 18+00 and then by trenching the remainder of US 29.
- 2) MCI has a no splicing moratorium from November 1 to January 1. Relocation work will begin around August 1, 2013 and be completed by November 1, 2013.
- 3) Contact person for MCI is Mr. Eric Crane at 919-696-6616.

G) City of Monroe – Transmission gas and fiber optic

- 1) The City of Monroe has a 12” steel transmission gas line and fiber optic cable within a 20’ easement that crosses –L- 111+00. The fiber optic cable will be lowered to the same depth as the gas pipe. Both the gas line and fiber optic will be encased in 4’ x 12’ flowable fill 3’ thick. City work will begin during the week of March 25 thru 29 and be completed by September 15, 2013.
- 2) Contact person for the City of Monroe is Mr. Billy Brantley at 704-282-4620.

H) Duke Energy – Transmission power

- 1) Duke Energy had a tower in conflict at –L- 31+50 Lt. that has been relocated and is no longer in conflict.
- 2) Contact person for Duke Energy is Mr. Mike Robinson at 980-373-4228.

I) NCDOT – ITS fiber optic

- 1) NCDOT has an existing underground fiber optic cable along the north side of US 29 that will be in conflict with construction. NCDOT will retire the existing fiber in place and attach to new Windstream poles that will be set along the north side of US 29.
- 2) It is expected the ITS work will begin around October 19, 2013 and be completed by February 22, 2014.
- 3) Contact person for NCDOT is Mr. Sean Epperson at 704-983-4400.