

October 24, 2012

Project: U-2803
County: Orange



PROJECT SPECIAL PROVISIONS
Utility Construction

Revise the 2012 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 Orange Water and Sewer Authority (OWASA). The contact person is Mr. Darren Berger and he can be reached by phone at (919) 537-4240.

Page 15-6; Subarticle 1510-3 (B) Testing and Sterilization, change the allowable leakage formula to:

$$W=LD (P)^{1/2}/148,000$$

Page 15-6; Subarticle 1510-3 (B) Testing and Sterilization; seventh paragraph delete the words (concurrently or) in the following sentence.

Testing, cleaning and sterilization may be performed ~~concurrently or~~ consecutively.

Breakdown and Rebuild Manhole (Precast Manhole)

Precast manholes that will require rebuilding shall have the frame and cover, the manhole taper, and necessary manhole wall removed. Reconstruction shall include rebuilding manhole wall, and replacing existing precast cone and manhole frame and cover. All work shall meet the approval of the Engineer.

Manhole construction shall also conform to the applicable requirements of Section 840 of the Standard Specifications.

Measurement and Payment

Breakdown and Rebuild Manhole (Precast Manhole) 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 labor, materials, breaking

down manhole, new manhole construction, excavation, backfilling, and incidentals necessary to complete the work as required.

Payment will be made under:

Pay Item	Pay Unit
Breakdown and Rebuild Manhole (Precast Manhole)	Each

Breakdown and Rebuild Manhole (Masonry Manhole)

Masonry manholes that will require rebuilding shall have the frame and cover, the manhole taper, and masonry manhole wall removed to a point 12" above the tops of the existing pipes or as directed by the Engineer. Reconstruction shall include replacing masonry manhole wall with precast manhole wall to be installed directly on top of remaining masonry wall, installation of mastic between precast and masonry wall, construction of a 12" x 12" collar according to Standard Drawing 840.72 around the connection between the precast and masonry manhole sections, providing new eccentric cone, and replacing existing manhole frame and cover. Non-shrink grout shall be installed on the inside face of the manhole. All work shall meet the approval of the Engineer.

Manhole construction shall also conform to the applicable requirements of Sections 840 and 1525 of the Standard Specifications.

Measurement and Payment

Breakdown and Rebuild Manhole (Masonry Manhole) 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 labor, materials, breaking down manhole, new manhole construction, collar, non-shrink grout, mastic, excavation, backfilling, and incidentals necessary to complete the work as required.

Payment will be made under:

Pay Item	Pay Unit
Breakdown and Rebuild Manhole (Masonry Manhole)	Each

PROJECT SPECIAL PROVISIONS
Utility

UTILITIES BY OTHERS:

General:

The following utility companies have facilities within the project limits that may be in conflict with the construction of this project:

- A) Duke Energy – Power (Distribution)
- B) Piedmont Electric Membership Co-op – Power (Distribution)
- C) AT&T - Telephone
- D) Level 3 Communications – Fiber Optic
- E) Time Warner – CATV
- F) PSNC Energy – 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 the Article 105-8 of the Standard Specifications.

Utility Requiring Adjustment:

- A) Duke Energy – Electric Distribution
 Contact Information: Don Daniels
 919-818-3136
 Don.daniels@dukeEnergy.com

- 1) Duke Energy facilities will remain in place.

- B) Piedmont Electric Membership Co-op – Electric Distribution
 Contact Information: Ron Hurdle Ronald.Hurdle@PEMC.org
 2500 NC Highway 86 South
 Hillsborough, NC 27278
 336-229-2301 Office

- 1) See Utilities by Others Plans.
- 2) Piedmont Electric will relocate their facilities concurrent with the construction project schedule. They will begin construction by December 1, 2012 and complete their work by April 1, 2013.
- 3) Contractor to coordinate with Piedmont for schedule of progress and protective measures required while working near and around their existing facilities.

C) AT&T – Telephone

Contact Information: Mr. Jim Brooks, (336) 788-0150 and Billy Griner, (919) 612-9856.

- 1) See Utilities by Others Plans.
- 2) AT&T's aerial telephone lines will be in joint use with Piedmont's aerial facilities. AT&T will be completed with all aerial relocation of their telephone facilities by September 1, 2013. The Contractor shall give AT&T two weeks notice prior to Time Warner completing their work.
- 3) The Contractor will give AT&T two weeks' notice prior to excavating for proposed drainage in locations of their existing buried cable, and will allow AT&T two weeks to adjust their buried communications facilities.

D) Level 3 Communications – Fiber Optic Cable

Contact Information: Seth Dwyer
Level.networkrelocations@level3.com
919-757-7039

- 1) Level 3 maintains facilities outside of the northern edge of the project limits along the entrance ramps to Route 54. These facilities are not anticipated to be impacted by this project.

E) Time Warner – CATV

Contact Information: David Bracey Const. Coordinator
919-573-7139 Office
George Stotler Const. Coordinator
919-573-7667 Office

- 1) See Utilities by Others Plans.
- 2) All Time Warner's aerial CATV lines will be in joint use with Piedmont's aerial facilities. All relocations of their CATV lines will be completed by May 15, 2013.
- 3) The Contractor will give Time Warner two weeks' notice prior to excavating for proposed drainage in locations of their existing buried cable, and will allow Time Warner two weeks to adjust their buried communications facilities.

F) PSNC Energy – Gas Distribution

Contact Information: Nakima Bogan
nbogan@scana.com
919-367-2720 Office

- 1) See Utilities by Others Plans.
- 2) Impacted facilities will be relocated by PSNC partially, prior to date of availability and during different portions of the project as the Contractor performs clearing and grubbing required by the contract.
- 3) PSNC will relocate Proposed Gas Line 1: Station 12+90 to 19+10 –L- and 13+88 to 14+20 –Y4- by January 31, 2013.
- 4) The following portions of PSNC’s facilities will be relocated concurrent with the contract after the Contractor has completed the clearing and grubbing required by the contract.
 - a. Proposed Gas Line 2: Between station 25+45 to 29+20 –L-. The Contractor shall give PSNC two weeks’ notice prior to completion of clearing and grubbing and three weeks to complete their work. See the Utilities by Others Plans for details.
 - b. Proposed Gas Line 3: Between station 32+20 and 37+91 –L-, the Contractor shall give PSNC two weeks’ notice prior to completion of rough grading and three weeks to complete their work. See the Utilities by Others Plans for details.
 - c. Proposed Gas Line 4: Between station 44+10 and 55+90 –L-, the Contractor shall give PSNC two weeks’ notice prior to completion of clearing and grubbing and three weeks to complete their work. See the Utilities by Others Plans for details.
- 5) Contractor and NCDOT to coordinate with PSNC for protective measures required while working near and around their existing facilities.
- 6) The Contractor is to be aware that the relocation schedule is subject to the system demands during the winter season from October 1st through March 1st.