

PROJECT SPECIAL PROVISIONS
Utility Construction.

All proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated July 2006. This is a metric project. Division 15 of the Standard Specifications is revised as follows:

Page 15-1, Paragraph 4

Provide access for Department personnel and the owner's representatives to all phases of construction. Notify Department personnel and the utility owner two weeks prior to commencement of any work and one week prior to service interruption. Keep utility owner's representatives informed of work progress and provide opportunity for inspection of construction and testing. *The water and sewer lines on this project belong to Fayetteville PWC. The contact person for Fayetteville PWC is Mr. Joe Glass, PE and he can be reached by phone at (910) 223-4740. Any work on these lines must be coordinated through the Engineer and the utility owner before beginning.*

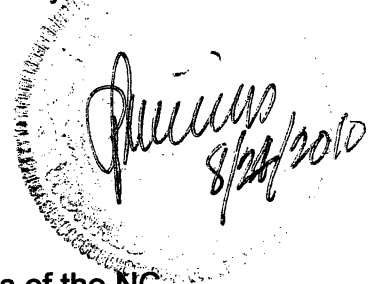
Ductile iron water pipe shall be of the thickness and pressure rating class shown on the utility plans and shall conform to ANSI A21.51 (AWWA C151). Pipe shall be either mechanical joint or push-on-joint and installed with rubber gaskets in accordance with ANSI A21.11 (AWWA C111). All water pipe shall be provided and installed in accordance with Articles 1036 and 1510 of the Standard Specifications. All water pipe on this project shall be ductile iron unless otherwise specified on the utility construction plans.

Ductile iron sewer pipe shall meet the requirements of ANSI A21.51/AWWA C151. Ductile iron sewer pipe shall be PC 350. Joints shall be mechanical joint or rubber ring gasket slip joint, each conforming to ANSI A21.11/AWWA C-111. The pipe and fittings shall have an asphaltic exterior coating as specified in AWWA C151. Interior of the pipe joints shall be coated with ceramic epoxy to produce a minimum dry film thickness of 40 mils. Calcium aluminate mortar lining of the ductile iron pipe shall also be acceptable. All sewer pipe on this project shall be ductile iron.

COMPENSATION:

No direct payment will be made for utility construction work required by the preceding provisions, which are general requirements applying to utility construction, and all of the requirements stated will be considered incidental work, paid for at the contract unit prices of the various utility items included in the contract.

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Utility Construction



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Water pipe shall be ductile iron, PC 350 and shall meet the requirements of ANSI A21.51/AWWA C151. Pipe shall be either mechanical joint or push-on-joint and installed with rubber gaskets in accordance with ANSI A21.11 (AWWA C111). All water pipe shall be provided and installed in accordance with Articles 1036 and 1510 of the Standard Specifications. All water pipe on this project shall be ductile iron unless otherwise specified on the utility construction plans.

Sewer pipe shall be ductile iron, PC 350 and shall meet the requirements of ANSI A21.51/AWWA C151. Joints shall be mechanical joint or rubber ring gasket slip joint, each conforming to ANSI A21.11/AWWA C-111. The pipe and fittings shall have an asphaltic exterior coating as specified in AWWA C151. Interior of the pipe joints shall be coated with ceramic epoxy to produce a minimum dry film thickness of 40 mils. Calcium aluminate mortar lining of the ductile iron pipe shall also be acceptable. All sewer pipe on this project shall be ductile iron.

COMPENSATION:

No direct payment will be made for utility construction work required by the preceding provisions, which are general requirements applying to utility construction, and all of the requirements stated will be considered incidental work, paid for at the contract unit prices of the various utility items included in the contract.

April 20, 2010

County: Cumberland
Project: X-0002BC

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) Century Link – Telephone
- B) Colonial Pipeline

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) Century Link – Telephone
 - 1) See Utilities by Others Plans.
 - 2) Century Link will be completed with the relocation of their buried telephone facilities by the date of availability.
 - 3) Contact Kevin Godwin (910) 366-2142.
- B) Colonial Pipeline
 - 1) See Utilities by Others Plans.
 - 2) Colonial Pipeline will be complete with the relocation of their gas facilities by November 1, 2010. The contractor shall contact Colonial Pipeline two weeks prior to the installation of the proposed noise wall in the location of their gas line. The contractor shall use extreme caution when installing the piles for the proposed noise wall in the location of Colonial Pipeline’s gas facilities.
 - 3) Contact Jay Amerson (336) 451-9827.

NOTE: All other utilities will remain in place and will be adjusted as necessary.

April 20, 2010

County: Cumberland
Project: X-0002CA

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) Fayetteville PWC – Power (Distribution)
- B) South River EMC – Power (Distribution)
- C) Progress Energy – Power (Transmission)
- D) Century Link – Telephone
- E) Time Warner - CATV
- F) 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) Fayetteville PWC - Power (Distribution)

- 1) See Utilities by Others Plans.
- 2) Fayetteville PWC will be complete with all relocations of their power distribution facilities by November 1, 2010.
- 3) Contact Jim Cline (910) 223-4523

B) South River EMC – Power (Distribution)

- 1) See Utilities by Others Plans.
- 2) South River EMC will be completed with all relocations of their power distribution facilities by November 1, 2010.
- 3) Contact Scott Byrd (910) 892-8071

C) Progress Energy – Power (Transmission)

- 1) See Utilities by Others Plans
- 2) Progress Energy will be completed with all relocations of their power transmission facilities by December 1, 2010.
- 3) Contact Phil Williams (919) 546-6643 or Jamie Loy (919) 546-6034

D) Century Link - Telephone

- 1) See Utilities by Others Plans.
- 2) Century Link will need two weeks notice prior to clearing and grubbing being completed along Lines -Y- Rev., -Y1-, -Y3-, -Y4-, -Y11-, and -Y14- and then shall be allowed three months to complete the relocation of their telephone facilities at these locations.
- 3) Contact Kevin Godwin (910) 366-2142

E) Time Warner - CATV

- 1) See Utilities by Others Plans.
- 2) All aerial CATV lines will be installed in joint use with Fayetteville PWC or South River EMC. The contractor shall allow Time Warner three months after Fayetteville PWC and South River EMC have completed their power line relocations to install their proposed aerial CATV lines.
- 3) Time Warner will install new buried CATV in joint use with Century Link along the new alignment of McArthur Road (Line -Y- Rev.) as shown on the plans.
- 4) Contact Jack Crab (910) 308-0904

F) Piedmont Natural Gas

- 1) See Utilities by Others Plans.
- 2) Piedmont Natural Gas will need two weeks notice prior to clearing and grubbing being completed and then shall be allowed 45 days to complete the relocation of their gas line.
- 3) Contact Bob Hayes (910) 321-2900

NOTE: All other utilities will remain in place and will be adjusted as necessary.

August 24, 2010

County: Cumberland
Project: X-0002CB

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) Fayetteville PWC – Power (Distribution)
- B) Fayetteville PWC – Power (Transmission)
- C) Progress Energy – Power (Distribution)
- D) Century Link – Telephone
- E) Time Warner - CATV
- F) 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) Fayetteville PWC - Power (Distribution)
 - 1) See Utilities by Others Plans.
 - 2) Fayetteville PWC will be complete with all relocations of their power distribution facilities by March 1, 2011.

- B) Fayetteville PWC – Power (Transmission)
 - 1) See Utilities by Others Plans.
 - 2) The Contractor shall notify Fayetteville PWC two weeks prior to completing the final grade left and right of Line -L- Station 145+80 and then allow Fayetteville PWC one month to complete the relocation of their Power Transmission facilities.
 - 3) Fayetteville PWC will be completed with all relocations of their power transmission facilities by April 1, 2011.

- 4) The proposed Aerial Power Transmission lines crossing line -L- at Station 145+80 will be de-energized during the construction of the project. During emergency situations, this line may need to be energized for a short period of time. Fayetteville PWC will notify the Contractor prior to having to energize this line and no work will be permitted near these lines until the necessary repairs have been made to their downed power transmission facilities. Fayetteville PWC will notify the Contractor as to the expected down time at the time of notification and will give them a daily status report during the repair time to the downed power transmission facilities.
- C) Progress Energy – Power (Distribution))
- 1) See Utilities by Others Plans.
- D) Century Link - Telephone
- 1) See Utilities by Others Plans.
 - 2) Century Link will need two weeks notice prior to clearing and grubbing being completed along Lines -Y2-, -Y5-, and -Y8- and then shall be allowed three months to complete the relocation of their telephone facilities at these locations.
 - 3) Century Link will need two weeks notice prior to clearing and grubbing being completed along Line -Y10- and then shall be allowed one month to complete the relocation of their telephone facilities at this location.
- E) Time Warner - CATV
- 1) See Utilities by Others Plans.
 - 2) All aerial CATV lines will be installed in joint use with Fayetteville PWC. The Contractor shall allow Time Warner three months after Fayetteville PWC has completed their power line relocations to install their proposed aerial CATV lines.
- F) Piedmont Natural Gas
- 1) See Utilities by Others Plans.
 - 2) Piedmont Natural Gas will need two weeks notice prior to clearing and grubbing being completed and then shall be allowed 45 days to complete the relocation of their gas line.

NOTE: All other utilities will remain in place and will be adjusted as necessary.