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2010-11-29

PROJECT SPECIAL PROVISIONS
Utility Construction

All proposed utility construction shall meet the applicable requirements (including, but not limited to: Division 15; Section 1034; and Section 1036) of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated July 2006.

Division 15 of the Standard Specifications is revised as follows:

Page 15-1, Article 1500-2 Cooperation with the Utility Owner, paragraph 2, add the following sentences to the end of the paragraph:

The water and sewer lines on this project belong to the City of Rocky Mount. The contact person for the City of Rocky Mount is Mr. Brad Kerr, and he can be reached by phone at 252-972-1120. Any work on these utility lines, especially the operation of water valves, must be coordinated through the Engineer and the utility owner before initiating said work.

Page 15-3, Article 1500-9 Placing Pipelines into Service, paragraph 1, add the following sentence to the end of the paragraph:

All new water line construction must pass bacteriological and pressure testing prior to being placed into service.

Page 15-7, Article 1510-2 Materials, revise paragraph 3 as follows:

Use #10 AWG solid-copper wire with blue insulation for the utility locator wires. Locator wire shall be zip-tied to the pipe every 5 feet. Locator wire shall be spliced together using approved connectors or other approved method.

Page 15-9, Article 1515-2 Materials, revise paragraph 6 as follows:

Use screw type valve boxes with a base to fit the valve yoke and a removable plug cap with the word "WATER" or "SEWER" cast therein. Valve box shall be cast from ASTM A-48 Class 30 iron and shall be fully bituminous coated for direct burial.

Page 15-13, Article 1520-2 Materials, revise paragraph 4 as follows:

Use #10 AWG solid-copper wire with green insulation for the utility locator wires. Locator wire shall be zip-tied to the pipe every 5 feet. Locator wire shall be spliced together using approved connectors or other approved method.

Division 10 of the Standard Specifications is revised as follows:

Page 10-78, Article 1034-2 POLYVINYL CHLORIDE (PVC) Pipe, remove the first sentence of subsection A - Gravity Flow Sewer Pipe, and add the following:

Use PVC plastic pipe that conforms to the requirements of ASTM D 3034 with a SDR of 35 or 26, as noted on the plans. SDR-35 shall be used for excavation depths up to 8 feet. SDR-26 shall be used for excavation depths from 8 feet up to 18 feet. SDR-21 shall be used for excavation depths from 18 feet to less than 22 feet and conform to ASTM D 2241. PVC plastic pipe shall not be used in excavation depths of 22 feet or greater.

Page 10-78, Article 1034-4 Ductile Iron Pipe, add the following sentence to the end of subsection A - Gravity Flow Sewer Pipe:

Ductile iron pipe and fittings shall be bituminous coated outside and cement mortar lined in accordance with ANSI/AWWA Standard C104/A21.4.

Page 10-80, Article 1036-4 Steel Pipe, add the following to the end of the paragraph of subsection B - Encasement Pipe:

The encasement pipe shall receive an exterior bituminous protective coating at least 2-mils thick. The coating shall be applied to the outside of all pipe and joints. The coating shall be applied in a continuous and smooth application and allowed ample time to cure prior to installation.

Page 10-80, Article 1036-5 Ductile Iron Pipe and Fittings, replace the third full paragraph with the following:

Use either mechanical restrained joints or restrained push-on joints conforming to ANSI/AWWA C111/A21.11. Set screw retainer glands will NOT be accepted. Use approved type joint restraint devices with a minimum working pressure rating of 350 psi and a thickness class of 50.

Page 10-80, Article 1036-6 Fire Hydrants, add the following to the end of the paragraph:

Paint color of the barrel shall be Safety Red. Paint color of the nozzle caps and bonnet shall be Silver White.

Page 10-81, Article 1036-9 Service Line Valves and Fittings, revise paragraph 1 as follows:

Use corporation stops and curb stops of all solid brass material and high-pressure construction conforming to ANSI/AWWA C800.

CITY OF ROCKY MOUNT PREFERRED PRODUCT LIST

GENERAL

STEEL ENCASUREMENT PIPE

1. Casing Spacers: Advance Product Systems, Inc. - Model SS1 and S1; Cascade Waterworks Mfg. - Model CCS-905; or Spider Mfg., Inc. - Model SP-1 through SP-20

WATER SYSTEM

INCIDENTALS

1. Valve Box: Dewey Brothers, Model No. VBX-TE-3B
2. Water Meter Box: Ford Meter Box Company; Model CB111-233 for 5/8" x 3/4" or Model CB111-444 for 1"
3. Water Meter Box Cover: Ford Meter Box Company
4. Water Meter Vault (2"): CDR Systems Corp. Model #WA00-2436-30C; or Strongwell, Inc. Model #PG2436BB30
5. Corporation Stop: Mueller Corp. Model No. H-15175; or Hayes Model No. 5040
6. Locator Wire Connectors: Buchanan Connectors
7. Hydrant Paint (Barrel): Rustoleum: #964 Federal Safety Red
8. Hydrant Paint (Nozzle Caps & Bonnet): Ferro, Inc.: Alert Series 1440 Silver White

HYDRANT

1. American-Darling, Model No. MK-73-1
2. Mueller Corporation, Model: Super Centurion 250; Model No. A-421
3. Kennedy Valve, Model: Guardian
4. Waterous, Model: Trend 100
5. Clow, Model: None Specified

SANITARY SEWER SYSTEM

INCIDENTALS

1. Tapping Saddle: Romac Industries, Inc., Sewer Saddle - Style CB

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) Progress Energy-Transmission
- B) City of Rocky Mount – Transmission
- C) City of Rocky Mount – Distribution
- D) Century Link – Telephone
- E) Sudden Link – Cable Television
- F) City of Rocky Mount – 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.

A) Progress Energy – Transmission

- 1) Progress Energy's 115kV and 68kV transmission lines that cross at approximate station -L-41+00 will not be in conflict with the proposed construction.
- 2) Contact Person for Progress Energy – Transmission is Mr. Jamie Loy at telephone (919) 546-6034.

B) City of Rocky Mount – Transmission/Distribution

- 1) The City of Rocky Mount will temporarily relocate four structures that carry a 69kV transmission line (with a three phase distribution under build) paralleling the south side of US 301 and crossing the main line at Station: -L- 49+53. The City will relocate their facilities at the location shown on the Utility by Others Plans beginning once the contractor has removed the building structures. The City request a three week notice and five weeks to complete the work.
- 2) Contact person for the City of Rocky Mount – Transmission is Mr. Harry Buckner at telephone (919) 256-5908.

C) City of Rocky Mount - Distribution

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- 1) Hunter Hill Road (-L-): The City will install an new pole at station -L- 10+30, right of center and diagonally cross Hunter Hill for a 195' span where they will cross back to right of center at a pole located at -L- 16+72. From this pole, the City will continue right of center until reaching a pole located at -L- 28+70 where they will again cross Hunter Hill, diagonally and continue to -L- 48+45.

At this location, the City will begin their temporary relocation to provide adequate clearance from the US 301 structure. From -L- 48+45 left of center, a temporary line will cross Hunter Hill to a pole located inside US 301 existing right of way at station -L- 49+19, 224' right of center. The City will then cross US 301 and continue along Hunter Hill, right of center to station -L- 58+00. Once the US 301 structure has been completed, the City will reroute their temporary to its permanent location. From station -L- 58+00, right of center the City will cross Hunter Hill diagonally and continue left of center to NC 43.

Country Club Road (-Y10-): The City will relocate their existing facilities left of center inside their own utility easement (Parcel 9 Only) beginning at station -L- 10+79 and continuing to -L- 17+52 where they will tie into an existing pole.

Distribution power feeds will cross Hunter Hill to serve Berry Hill Road, Grange Street, Helms Street, McDearman Avenue and Weldon Avenue. In addition, service feeds will cross Hunter Hill throughout the project limits.

- 3) The City will relocate their facilities at the location shown on the Utility by Others Plans beginning once the contractor has removed the building structures. The City request a three week notice and ten weeks to complete the work.
- 3) Contact person for the City of Rocky Mount – Distribution is Mr. Harry Buckner at telephone (919) 256-5908.

D) CenturyLink – Telephone

- 1) CenturyLink will abandon all buried and remove all aerial facilities within the project limits.

Hunter Hill Road (-L-): Approximately 315' west of the project limits, buried plant will be placed right of center, inside the proposed right of way where it will continue south along Country Club Road ending at approximate station: -Y10- 16+72. Beginning at station -L- 20+95, right of center, buried plant will be installed inside the proposed right of way and ending at station -L- 48+27. At station -L- 27+86 facilities will cross Hunter Hill and continue along Noel Land (-Y11-) right of center. From station -L- 31+57, right of center, buried plant will leave a pedestal and continue down Grange Street (-Y12-) and continue beyond the project limits left of center.

From a pedestal located at -L- 35+67, left of center, CenturyLink will cross Hunter Hill and continue east, turning inside the PUE to US 301 where they will continue north and cross 301

(268' left of center) and continue south, inside the existing US 301 right of way and turn back onto Hunter Hill Road at station -L- 52+00, left of center inside the proposed and existing right of way until reaching NC 43.

Beginning at station -L- 48+27 new plant will leave a pedestal and continue along -Y14-, left of center, crossing Hunter Hill and tying into existing facilities at station -Y14- 13+06 right of center. From a pedestal on Helms Street, buried plant will be installed, right of center, inside the proposed right of way and tie into existing facilities on McDerma Avenue (-Y16-). In addition, new plant will leave a pedestal at -L- 58+03 left of center, and cross Hunter Hill and continue along McDearman tying into existing.

CenturyLink will install new plant from a pedestal at station -L- 62+48, left of center, and cross to McDearman (-Y16-) right of center and tie into existing facilities. At station -L- 72+97 left of center new facilities will leave a pedestal and cross to Weldon Avenue (-Y17-) and continues right of center, to a proposed pedestal at station -Y17- 11+95.

Country Club Road (-Y10-): Buried plant will be installed from station -Y10- 10+00 right of center line to station 11+24 crossing Country Club to a pedestal and continuing south on Country Club to beyond the project limits left of center line. CenturyLink will install buried plant from station -Y10- 10+00 left of center line and continue to Hunter Hill Road where it will turn onto Hunter Hill Road, left of center and continue to Noel Lane (-Y11-) and continue beyond the project limits right of center. In addition, the installation of buried plant will occur beginning at station -Y10- 11+36, left of center and continue south, crossing Hunter Hill Road and extending beyond the project limits. At station -Y10- 14+81, left of center, a buried line will continue south beyond the project limits. Various service feeders leaving a hub site at -Y10- 17+53 left of center will be installed outside existing and proposed right of way.

- 2) CenturyLink will relocate their facilities as shown on the Utility by Others Plans. CenturyLink will begin their relocations after the contractor has cleared the right of way and request two weeks' notice and twelve weeks to complete the work.
- 3) Contact Person for Century Link is Mr. Kevin Godwin at telephone (910) 366-2142.

E) Sudden Link – Cable Television

- 1) Hunter Hill Road (-L-) and Country Club Road (-Y10-): Sudden Link will follow the City of Rocky Mount's aerial relocation and tie into their existing buried facilities at the -Y- lines.
- 2) Sudden Link will relocate their facilities at the locations shown on the Utility by Others Plans. Sudden Link will follow the City's distribution power relocations and request four weeks' notice and six weeks to complete the work.
- 3) Contact Person for Sudden Link is Mr. Jonathan Carter at telephone (252) 757-2256.

F) City of Rocky Mount – Gas

- 1) The City will abandon their existing 8” gas main and service crossings along Hunter Hill Road from Nicodemus Mile Road (west of project limits) to US 301 bridge at station: -L- 50+00, right of center. The City will also abandon their 4” gas main from station: -L- 50+00, right of center through station 56+57. An existing 2” gas main will remain in place from station: -L- 59+77, left of center to 70+30. From this point to the end of the project limits, the 2” gas main will be abandoned. The 4” and 2” gas mains located on Country Club Road will also be abandoned inside the project limits.

Hunter Hill Road (-L-): The City will install a 4” plastic gas line along Hunter Hill Road beginning at Nicodemus Mile Road (U-3621A Project Limits) and continue to Kirby Drive (-Y13-) right of center and inside the proposed right of way and/or permanent utility easement. A 2” plastic gas line will be installed along Hunter Hill Road from Kirby Drive (-Y13-) to Hillcrest Drive inside the proposed utility easement as well. From Helm Street, a new 2” plastic line will be installed along Hunter Hill Road and tie into an existing 4” gas main along McDearman Avenue (-Y16-), left of center.

- 2) The City will relocate their facilities at the locations shown on the Utility by Others Plans. The City will begin their relocations after right of way has been cleared and request four weeks’ notice and six weeks to complete the work.
- 3) Contact Person for the City of Rocky Mount – Gas is Bradley Walters at telephone (252) 382-4305.