

Fire Hydrants

Page 10-59, Article 1036-6, add the following sentences.

Fire hydrants installed shall be Mueller, Kennedy, American Darling, or approved equal.

Water Valves

Page 10-59, Subarticle 1036-7 (A), replace the first sentence with the following.

Use iron body gate valves which conform to ANSI/AWWA C509 for resilient seat-type valves or to ANSI/AWWA C515 for reduced-wall, resilient seat gate valves.

Thrust Restraint

Page 15-4, Subarticle 1505-3 (E), replace paragraphs 1-3 with the following.

Provide thrust restraint for pressurized pipelines and appurtenances. When shown in the plans and at all installed fittings, construct with modifications to match the actual field conditions. Engineer the thrust restraint system with a factor of safety of 1.25 for the test pressure specified and for the actual field conditions.

Use joint restraint methods, such as integral restraining bells and spigots, restraining retainer glands, restraining gaskets or restraining clamps and lugs with tie rods. Use concrete reaction backing and thrust collars where joint restraint is impractical or where shown in the plans.

Provide thrust restraint on the existing and proposed piping system at all fittings. Thrust restraint by integral restraining bells and spigots, restraining retainer glands, restraining gaskets or restraining clamps and lugs with tie rods shall be utilized for a minimum of 100 feet or 5 pipe joints in each direction at all installed tees. Thrust restraint by integral restraining bells and spigots, restraining retainer glands, restraining gaskets or restraining clamps and lugs with tie rods shall be utilized for a minimum of 40 feet or 2 pipe joints in each direction at all installed fittings.

Meters

Page 15-8, Subarticle 1515-3 (B), add the following paragraph.

All water meters shall be provided and installed according to AWWA C700.

Sanitary Sewer

Page 15-10, Article 1520-2, add the following paragraph.

All sanitary sewer cleanouts shall be provided and installed as specified in the plans and shall be either Sch 40 PVC or PC 350 ductile iron pipe.

PROJECT SPECIAL PROVISIONS

Utilities

UTILITY CONFLICTS:

General:

The following utility companies have facilities that will be in conflict with the construction of this project.

- A) Duke Power Company
- B) Charter Communications
- C) AT&T
- D) Piedmont Natural Gas

The utility conflicts 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 performed 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 for Roads and Structures.

Utilities Requiring Adjustments:

- A) Duke Power Company
Mr. Fred Liles
Distribution Engineering Specialist
250 9th St. Lane, SE
Hickory, NC 28602
(828) 323-2773
Fred.liles@duke-energy.com

1. See "Utilities By Others Plans" for utility conflicts.
2. Duke Energy will complete their relocation by June 30, 2012.

- B) Charter Communications
Mr. Jody McCarty
220 McLean Dr.
Lenoir, NC 28645
(828) 217-0971
Jody.mccarty@chartercom.com

1. See "Utilities By Others Plans" for utility conflicts

2. Charter Communications is attached to Duke Power poles along Hibriten Street (Sheets UO-3 – UO-6) and will relocate to Duke Power's new poles after installation by Duke is complete. Charter Communications will complete their relocation by July 31, 2012.

C) AT&T

Telics
Dan Owens
Utility Coordinator/Project Specialist
287 Springhill Farm Road
Fort Mill, SC 29715
(704) 779-4415
dan_owens@telics.com

1. See "Utilities By Others Plans" for utility conflicts.
2. AT&T has their own pole line and is attached to some Duke Power poles along Hibriten Street (Sheets UO-3 – UO-6) and will relocate to Duke Power's new poles after installation by Charter Communication is complete. AT&T will complete their relocation by September 30, 2012.

D) Piedmont Natural Gas

Richard Lawrence
1921 8th Avenue NW
Hickory, NC 28601
(828) 304-8011
Richard.lawrence@piedmontng.com

1. See "Utilities By Others Plans" for utility conflicts
2. Piedmont Natural Gas relocation work will be completed prior to date of availability except for the following locations where they will work with the contractor to adjust for proposed drainage structures:
Piedmont Natural Gas will require 2 weeks notice and 2 weeks to complete adjustments at each of the following locations:
 - Y11 sta. 27+11 right 13' (Sheet UO-3)
 - L sta. 20+98 right 50'(Sheet UO-3)
 - L sta. 46+52 right 7'(Sheet UO-5)
 - L sta. 48+84 right and left (Sheet UO-5)
 - L sta. 51+42 right 45' (Sheet UO-5)
 - Y11 sta. 17+41 right 31' (Sheet UO-7)
 - Y11 sta. 18+59 right 31' (Sheet UO-7)