



PROJECT SPECIAL PROVISIONS
Utility Construction

2012-OCT-16

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 January 2012.

Division 15 of the Standard Specifications is revised as follows:

Page 15-1. Paragraph 2 of Article 1500-2

Provide access for Department personnel and the owner's representatives to all phases of construction. Notify Department personnel and the utility owner two weeks before commencement of any work and one week before service interruption. Keep utility owner's representatives informed of work progress and provide opportunity for inspection of construction and testing. *There multiple water and sewer lines on this project that belong to different utility companies and are listed below with their contact person.*

1. *The Town of Cary (TC) has water and sanitary sewer force main utilities. The contact person for The Town of Cary Utilities Department is Mr. Glen Harrell, and he can be reached by phone at 919-460-4933.*
2. *The City of Durham (CD) has water utilities. The contact person for The City of Durham Utilities Department is Mr. Eric Halstead, and he can be reached by phone at 919-560-4326 x30259.*
3. *Durham County (DC) has gravity sanitary sewer and force main utilities. The contact person for Durham County Utilities Department is Mr. Ted Credle, and he can be reached by phone at 919-544-8280.*

Any work on these utility lines, especially the operation of any valves, must be coordinated through the Engineer and the utility owner before initiating said work.

Page 15-2. Paragraph 3 of Article 1500-7

Provide As-Built plans of the installed utility. The plans shall include notations of the size and type of material installed, coordinates of utility controls, and horizontal and vertical locations of the piping. Provide 2 copies to the Utility Owner and 2 copies to the Engineer. *Provide the Utility Owner with 2 copies of surveyed As-Builts of the utility system constructed.*

Page 15-9. Add Sub-note H to the end of Article 1515-3

(H) Sanitary Sewer Valve Box

Install an approved valve box on the existing sewer valve and set flush to the proposed pavement elevation.

Page 15-9. Add Pay Item, Sanitary Sewer Valve Box, to Article 1515-4

Sanitary Sewer Valve Box will be measured and paid per each for protecting and servicing the existing sewer valve.

Pay Item	Pay Unit
Sanitary Sewer Valve Box	Each

Page 15-16. Paragraph 2 of Sub-note D of Article 1530-3

Removed hydrants become the property of the Contractor for proper disposal. *Removed hydrants from the Town of Cary water system shall be returned to the Town of Cary. Contractor shall coordinate with the Town of Cary to determine a designated drop off location.*

Division 10 of the Standard Specifications is revised as follows:

Page 10-57. Line 44 under Article 1034-4-B

safety of 2. All joint restraint products that include the means of restraint within the joint gasket shall be prohibited. All restrained joint pipe shall be of the boltless restrained joint type as assembled with a steel flexible ring that locks into position inside the bell of the connecting pipe. The locking rings shall be one-piece construction.

Page 10-59. Line 7 under Article 1036-5

working pressure rating of 200 psi and a factor of safety of 2. All joint restraint products that include the means of restraint within the joint gasket shall be prohibited. All restrained joint pipe shall be of the boltless restrained joint type as assembled with a steel flexible ring that locks into position inside the bell of the connecting pipe. The locking rings shall be one-piece construction.

UTILITY OWNER PREFERRED PRODUCT LIST

CITY OF DURHAM - WATER

1. Hydrant: AMERICAN, model: Mark-73; or MUELLER, model: Centurion A421; or Kennedy, model: K81-A; or approved equal.
2. Hydrant Extension: AMERICAN; or MUELLER; or KENNEDY; or approved equal.
3. Gate Valve: AMERICAN; or CLOW; or MUELLER; or KENNEDY; or WATEROUS; or approved equal.
4. Water Meter: NEPTUNE E-Coder; or approved equal.
5. Meter Copper Setter: FORD, 5/8" model: VHH71-12W-44-336; FORD, 1" model: VHH74-12W-44-336; or approved equals.
6. Meter Box: MID STATES PLASTICS, model: MSBCF1118-12; or approved equal.
7. Meter Box Lid: CARSON, model: 65-45-12; or approved equal.
8. Corporation Stop: FORD, 3/4" model: F-1000-3-G; FORD, 1" model: F-1000-4-G; or approved equals.

TOWN OF CARY - WATER

1. Hydrant: MUELLER, model: Centurion A421; CLOW, model: Medallion; AMERICAN, model: Darling MK-73-2; M&H, model: 129; or approved equal.
2. Water Meter Box: FORD, Long Yokebox model: LYBB 111-444-TP; or approved equal.

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) Duke Power Company
- B) Level 3
- C) Frontier
- D) Verizon Business
- E) Fibertech
- F) Time Warner Cable

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
Gary Von Cannon
(336) 632-3848
Gary.Voncannon@duke-energy.com

1. See "Utilities By Others Plans" for utility conflicts.
2. Duke Energy will complete their two duct bank installations through the railroad right of way at the Hopson Road Structure by April 1, 2013.

B) Level 3

Mr. Daniel Miller
(919) 710-8896
daniel.miller@level3.com

1. See "Utilities By Others Plans" for utility conflicts
2. Level 3 will complete their duct bank installation through the railroad right of way at the Hopson Road Structure by April 1, 2013.

C) Frontier

Marcus Dickinson
(919) 560-2917
Marcus.dickinson@frontier.com

1. See "Utilities By Others Plans" for utility conflicts.
2. Frontier will complete their two duct bank installations through the railroad right of way at the Hopson Road Structure by April 1, 2013.
3. They will complete their relocation work along the proposed Church Street Extension by March 1, 2013.

D) Verizon Business

Eric Crane
(919) 326-5604
Eric.crane@verizonbusiness.com

1. See "Utilities By Others Plans" for utility conflicts
2. Verizon Business will complete their duct bank installation through the railroad right of way at the Hopson Road Structure by April 1, 2013.

E) Fibertech

Bob Enright
(585) 734-0617
Renright@fibertech.com

1. See "Utilities By Others Plans" for utility conflicts
2. Fibertech will complete their relocation work through the railroad right of way at the Hopson Road Structure by April 1, 2013.

F) Time Warner Cable
Joseph Fahey
(919) 573-7660
Joseph.Fahey@twcable.com

1. See "Utilities By Others Plans" for utility conflicts
2. Time Warner Cable will adjust their existing cable line as needed for and will require 4 weeks notice and 2 weeks to complete the work at the Church Street crossing closure. (U-4716B UO-2).
3. Time Warner will complete their relocation work along the new Church Street Extension area (U-4716B UO-3 & 4) by March 1, 2013.

G) PSNC Energy
Reid Crane
(919) 367-2713
wcrane@scana.com

1. See "Utilities By Others Plans" for utility conflicts
2. PSNC Energy will adjust their existing gas line as needed and will require 4 weeks notice and 2 weeks to complete the work at -L- Sta. 11+75. (U-4716B UO-3).