

PROJECT SPECIAL PROVISIONS
Utility Construction



Revise the 2006 Standard Specifications as follows:

Utility Owners' Contact Information:

Page 15-1, Subarticle 1500-2 Cooperation with the Utility Owner, paragraph 2, add the following sentences:

All water and sewer lines on this project belong to Orange Water and Sewer Authority (OWASA).

The Contractor shall provide access for the owner's representatives to all phases of construction and keep all manholes, valves and meters accessible during construction. A preconstruction meeting shall be held with OWASA, the Utility Contractor and D.O.T prior to any work beginning. The Contractor shall notify the owner two weeks before commencement of any work and three weeks before service interruption.

The contact person for Orange Water and Sewer Authority (OWASA) is Mr. Darren Berger, he can be contacted at 919-537-4240.

The contractor shall provide a set of as-built plans to OWASA after all the work shown on the Utility Construction Plans is completed.

All proposed water lines larger than 2" shall be ductile iron pipe. All proposed service lines to water meters shall be copper pipe, type k.

Page 15-9, Subarticle 1515-2 Materials, add the following sentences:

The proposed utility construction shall meet the applicable requirements (i.e. material specifications, standard details, testing, policies, etc.) of the NCDOT's "Standard Specifications for Roads and Structures" (dated July, 2006) and Orange Water and Sewer Authority (OWASA) "Manual of Specifications and Design" (Dated January 2009).

Measurement and payment for work will be in accordance with NCDOT's "Standard Specifications for Roads and Structures" (dated July, 2006).

Brand names shown on OWASA details does not limit the Contractor to one brand, approved equals will be allowed.

Page 15-8, Subarticle 1510-3 Construction Requirements

All pipes more than 18' long will have to be sterilized in accordance to AWWA C651 Section 4.6 and 4.7.

Page 15-16, Subarticle 1520-4 Measurement and Payment-, add the following sentences:

The flexible couplings used to connect proposed DI sanitary gravity sewer pipe to the existing Terra-Cotta sanitary gravity sewer pipe will be incidental to the cost of the proposed DI sanitary gravity sewer line.

The contractor shall replace the existing fire hydrants that are relocated with a new fire hydrant supplied by OWASA. The contractor shall stockpile the existing fire hydrant within the limits of the project and contact OWASA to have the fire hydrant removed. OWASA will determine which fire hydrant will be replaced.

New meter setter will be provided by OWASA for each relocated water meter.

1. ROTATE TOP FOR EXISTING MANHOLE

Manholes tops shall be removed and rotated. Reconstruction shall include replacing and rotating the top. All work shall meet the approval of the Engineer.

Manholes with concentric top shall be replaced with an eccentric top.

Manhole shall be rotated away from the proposed curb and gutter sections.

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

Payment for rotating and replacing manhole top will be based on a unit price for each manhole.

The quantity of sewer manholes rebuilt and accepted will be measured and paid for at the contract unit price per each for "Rotate Top for Existing Manhole (Eccentric Top)" or "Rotate Top for Existing Manhole (Concentric Top)". Such price and payments will be full compensation for all labor, materials, rotating and replacing manhole top, excavation, backfilling, and incidentals necessary to complete the work as required.

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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) Time Warner Cable
- C) AT&T
- D) PSNC Energy

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 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

- 1. See "Utilities By Others Plans" for utility conflicts
- 2. Duke Power's relocation work will be complete by October 1st 2010.

B) Time Warner

- 1. See "Utilities By Others Plans" for utility conflicts
- 2. Time Warner will complete all aerial relocation work by November 1st 2010.
- 3. At Station L- 45+50 and 46+50 right 45 feet Time Warner will adjust their facilities for drainage prior to date of availability.

C) AT&T

1. See "Utilities By Others Plans" for utility conflicts
2. AT&T's relocation work will be completed by December 1st 2010 except for the following locations:

AT&T will require 2 weeks notice and 1 week to complete adjustments at these locations:

- L sta. 21+40 right 45 feet sheet UO-2
- L sta. 23+00 right 20 feet sheet UO-3
- L sta. 109+60 left 15 feet sheet UO-9
- L sta. 114+80 left 15 feet sheet UO-10
- L sta. 133+40 right 30 feet sheet UO-11
- Y17A sta. 13+80 left 20 feet sheet UO-11
- Y19 sta. 15+00 right 20 feet sheet UO-13
- Y19 sta. 12+80 right 20 feet sheet UO-13

D) PSNC Energy

1. See "Utilities By Others Plans" for utility conflicts
2. PSNC Energy's relocation work will be completed prior to date of availability except for the following locations:

PSNC Energy's will require 4 weeks notice and 2 days to complete adjustments at these locations:

- L sta. 23+00 left 10 feet sheet UO-3
- L sta. 23+90 left 40 feet sheet UO-3
- L sta. 46+20 right 50 feet sheet UO-4
- L sta. 60+25 left 30 feet sheet UO-5
- L sta. 62+25 right 20 feet sheet UO-6
- L sta. 102+50 right 50 feet sheet UO-9
- L sta. 116+80 right 35 feet sheet UO-10
- Y17A sta. 114+80 right 20 feet sheet UO-11
- Y19 sta. 12+80 right 30 feet sheet UO-13
- Y19 sta. 16+25 right 35 feet sheet UO-13
- Y19 sta. 19+20 left 25 feet sheet UO-13