



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. 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 the Town of Valdese and the Town of Rutherford College. The contact person for the Town of Valdese and the Town of Rutherford College is Mr. Jim Stockton, Public Works Department, and he can be reached by phone at (828) 874-0333. Any work on these lines must be coordinated through the Engineer and the utility owner before beginning.*

All water and sewer lines located west of approximate Station 30+15 -L- belong to the Town of Valdese. All water and sewer lines located east of approximate Station 30+15 -L- belong to the Town of Rutherford College.

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 restrained joint pipe (DIRJ) shall be installed at the locations shown on the Utility Construction Plans. The method of restraint and the limits of said restraint shall be the responsibility of the Contractor. This information shall be submitted to and approved by the Engineer prior to these materials being purchased or delivered to the jobsite. No additional payment shall be made for pipe restraint, and this item shall be incidental to water line paid for elsewhere.

**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.

#### **BREAK DOWN AND REBUILD MANHOLE:**

Manholes that will require rebuilding shall have the frame and cover removed, the manhole taper removed, and necessary manhole wall removed. Reconstruction shall include rebuilding manhole wall, manhole taper, and replacing frame and cover. All work shall be approved by the Engineer.

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

Payment for removing and replacing manhole frame and cover, removing and rebuilding manhole taper and removing and rebuilding manhole wall 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 each for "Break Down and Rebuild Manhole". Such price and payments will be full compensation for all labor, materials, breaking down manhole, new manhole construction, steps, excavation, backfilling, and incidentals necessary to complete the work as required.

#### **WATER METER VAULT:**

The new water meter vault and the associated backflow preventer/bypass assembly shall be installed at the location shown on the utility plans or as directed by the Engineer.

The water meter vault and backflow preventer/bypass assembly shall consist of the installation of a new vault with all new internals (double detector check valves, gate valves before and after meter, gate valve for bypass, test nipples w/corporation stop, etc.) to match the existing backflow preventer/bypass assembly with respect to function and internal arrangement (replacement in kind). Any pipe necessary to complete the relocation shall be incidental to the water meter vault.

After the new assembly is installed and functional, the existing backflow preventer/bypass assembly will become the property of the contractor and shall be removed from the site immediately. The existing vault shall be demolished and removed from the site.

All work shall be in accordance with the applicable plumbing codes, as shown on the plans, and as directed by the Engineer.

The new vault shall be placed with the top 150mm above finished grade of the immediate area. The top of the vault shall be fitted with a new top of the same type, size and direction of the top on the existing vault.

The quantity of backflow preventer/bypass assembly with new vault installed and accepted will be measured and paid for at the contract unit price each for "Water Meter Vault". Such price and payment will be full compensation for all labor, excavation, removing of old vault and internals, new vault, new top and metal door, installing and reconnecting the new backflow preventer/bypass assembly, backfilling, and incidentals necessary to complete the work as required.

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 Energy – Power
- B) Embarq - Telephone
- C) Charter Communications – CATV
- D) Piedmont Gas - 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) Duke Energy – Power

- 1) See Utilities by Others Plans.
- 2) Duke Energy will be complete with all relocations of their power facilities by November 15, 2010.
- 3) Contact Person – Perry Windsor (704-662-4915)

## B) Embarq – Telephone

- 1) See Utilities by Others Plans.
- 2) The Contractor shall give Embarq two weeks notice prior to completing the clearing and grubbing and then allow them 12 weeks to complete the relocations of their telephone facilities.
- 3) Contact Person – Steve Land (828-328-0169)

## C) Charter Communications – CATV

- 1) See Utilities by Others Plans.
- 2) Charter Communications will be complete with all relocations of their CATV facilities by January 4, 2011.

- 3) Contact Person – Harvey Purgeson (828-754-8343)

D) Piedmont - GAS

- 1) See Utilities by Others Plans.
- 2) Piedmont will adjust their buried GAS lines as necessary during the construction of the project. The Contractor shall give Piedmont two weeks notification of any conflicts with their facilities and allow them ten working days to make the necessary adjustments at each location.
- 3) Contact Person – Richard Lawrence (828-322-1613)

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