



PROJECT SPECIAL PROVISIONS  
Utility Construction

Revise the 2006 *Standard Specifications* as follows:

**Utility Owner's Contact Information:**

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

There are multiple water and sewer lines on this project that belong to different utility companies. They are listed below with their contact person.

1. The Town of Boone has sewer/water facilities. The contact person for the Town is Mr. Rick Miller, and he can be reached by phone at 828-266-1183.
2. Appalachian State University has water facilities. The contact person for the University is Mr. Michael O'Connor, and he can be reached by phone at 828-262-3190 (extension 102).

**1. PVC DUCT BANK**

The proposed duct bank shall be installed in accordance with the applicable utility provisions herein, as shown on the utility plans, and/or as directed by the Engineer. The duct bank shall be an arrangement of PVC conduits, 4" and 6" diameter each, in a stacked arrangement as shown in the plans. The duct bank shall be installed with a minimum cover of 36" with a separation of 2" between each conduit. Conduits shall be encased in flowable fill material.

Frontier Gas will install a 2" or 4" gas line as part of the duct bank. The gas company will supply and install the gas pipe. See Utility by Other plans for the locations where the gas lines will be installed. Contact Ray Fisher at 336-526-1780 to have the gas line installed within the duct bank. The gas company will need two days notice at each location to furnish and install their gas main within the proposed duct banks. The gas company is only responsible for installing and providing the gas line within the spacers. All other work will be completed by the contractor as outlined on the plans and in the special provisions.

To encase the conduits with flowable fill there will be a minimum spacing of 2" between conduits/gas main and 4" minimum on top, bottom and sides. The Spacers shall be placed between 6' to 10' intervals with interlocking device that relieves the conduit of both horizontal and vertical stress while the flowable fill is being poured. Extra

intermediate spacers will be required if there is sag or distortion of the conduits between the main spacer.

The bottom of the trench shall provide a stable foundation for the duct bank. All bedding material necessary to properly bed the duct bank will be considered incidental and no separate measurement or payment will be made.

PVC Conduits and fittings shall conform to the requirements of ASTM D2665 Sch. (60) (Type I) with solvent joints. The conduits are being installed for future use; cap the ends of the conduits.

The flowable fill shall be placed around the conduits as specified in the plans or as directed by the Engineer. Backfill shall not be placed on flowable fill prior to final set or hardening as determined by the Engineer. The flowable fill materials shall meet the requirements of Section 340-2.

A nylon pull rope with a minimum 1000 pound tensile strength shall be installed in each conduit. Pull rope shall be continuous for the length of each duct. Extend the pull rope 3 feet beyond the ends of the conduits.

Duct bank, installed in accordance with the plans and provisions herein and accepted, will be measured along the duct bank from end to end, with no deductions for fittings or couplings, and paid for at the contract unit price per linear foot for "\_\_\_" PVC Conduit, SCH 60". Such prices and payments will be full compensation for furnishing all labor, equipment, material, couplings and fittings, excavation, backfilling, and incidentals necessary to complete the work as required.

PROJECT: U-4020  
COUNTY: Watauga

PROJECT SPECIAL PROVISIONS

Utility

UTILITY CONFLICTS:

General:

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

- A. New River Light and Power
- B. AT & T of NC
- C. Frontier Energy (Gas)
- D. Blue Ridge EMC
- E. Charter Communications CATV
- F. Skyline Communications

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 owners. 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. New River Light and Power

New River Light and Power will complete their work by July 29, 2009  
See Utility By Others Plans.  
Contact person: Philip Hiatt, PE at 828-264-8621

- B. AT & T of NC

AT & T of NC will complete their work by September 14, 2009.  
The existing Telephone lines will remain in place and adjusted as necessary.  
AT & T of NC will need one week notification and two weeks  
to complete the work for each location. See Utility By Others Plans by others.  
Contact person: Steve Mode at 704-276-3197

C. Frontier Energy (Gas):

Frontier Energy (Gas) lines will remain in place and adjusted as necessary. Frontier Energy will need two weeks notification and ten days to complete the work at each location. At each duct bank shown in the Utility Construction Plans the gas company will need two days notice and one day to install either a 2" or 4" gas pipe within the duct bank being installed by the contractor. Contact person: Ray Fisher at 336-526 1780

D. Blue Ridge EMC

See Utility By Others Plans.

Contact person: Steve Peterson at 828-758-2383

E. Charter Communications CATV

Charter Communications CATV will complete their work by August 14, 2009

See Utility By Others Plans.

Contact person: Andrew Watson at 828-266-2419

F. Skyline Communications

Skyline Communications to be attached to the pole line.

Skyline will complete their work by September 14, 2009.

See Utility By Others Plans