

Technical Specification 002.01

EXISTING UNDERGROUND UTILITY LINES AND STRUCTURES

1.0 General

- a) Every landowner, developer, or contractor who contracts to perform excavation, demolition, or installation activities within a site or on a project located in Brunswick County is responsible to ascertain the location and type of all underground utility lines or structures that may be located within the limits of the project work area.
- b) Some of these underground utilities or structures may have been designated on the plans, however, the exact location may vary and others may not be designated. The contractor is fully responsible for verification of the exact location of all underground utility lines or structures within the work limits, whether shown on the plans or not, and for providing necessary protection and/or repair if damaged.
- c) For a Brunswick County Capital Improvement Program (CIP) project Article 21 of the *Brunswick County General Conditions of the Contract* is also a part of this specification and is fully incorporated herein. Where a conflict may exist between this technical specification and Article 21 of the General Conditions, this specification shall be subordinate to Article 21 of the General Condition of the Contract.

2.0 Underground Damage Prevention Act

- a) The contractor is directed to comply fully with the applicable provisions of Senate Bill 168 "Underground Damage Prevention Act" as passed by the General Assembly of the State of North Carolina.
- b) Listing of Utility Companies: The following utility companies may have facilities within the work limits and it is required that the contractor establish coordination and utilities location with each prior to initiating work. There may be others not mentioned here and it is the contractor's responsibility to ensure that the proper notification has been made to all utilities owners with infrastructure within the proposed project work area:
 - 1) Brunswick County Public Utilities
250 Grey Water Road NE
Field Operations Center
Supply, North Carolina 28462
910.253.2860
 - 2) ATMC
640 Whiteville Road NW
Post Office Box 3198
Shallotte, North Carolina 28459
910.755.1706

- 3) Brunswick EMC
Post Office Box 826
Shallotte, North Carolina 28459
910.754.4391
800.842.5871
- 4) Progress Energy Carolinas, Inc.
8645 Trade Street
Leland, North Carolina 28451
910.383.4042
- 5) Piedmont Natural Gas
Corporate Office
4720 Piedmont Row Drive
Charlotte, North Carolina 28210
704.364.3120
Natural Gas Emergencies: 800.752.7504 or 911
- 6) The contractor shall call the North Carolina One Call Center at:

811 or 1-800-632-4949
www.nc811.org

for locates on underground utilities.

3.0 Existing Underground Utility line or Structure Location and Marking by Owners

- a) The contractor shall make a documented request to the North Carolina One Call Center, and/or individual utility owners, in order to locate their facilities within the project work limits at least 48 hours in advance of the day excavation or demolition work is scheduled to begin. Location assistance requested from the owner should include the actual horizontal location, type number, size and depth of all lines. Some, but not all, cooperative actions the contractor should take either on or off the job site are as follows:
- b) The contractor shall ascertain if the utility owner desires to have his representative present during the work.
- c) The contractor shall comply with all standard regulations and take all precautions required by the owner of the facility.
- d) All costs associated with locating and marking existing utilities or the utilities representatives shall be the responsibility of the contractor.
- e) The contractor shall inform all equipment operators, either those employed by him or those employed by his subcontractors, of information obtained from the utility owners prior to initiation of work.

- f) The contractor shall immediately notify utility owner of any leaks or breaks, dents, gouges, grooves or other damages to such line coating or cathodic protection created or discovered by him in the course of the work.
- g) The contractor must immediately alert the occupants of the adjacent premises of any emergencies that he may create or discover at the work site.

4.0 Location and Protection of Utility Lines

- a) The location of all utilities shall be made with locating equipment well in advance of actual work. The located facility shall be plainly marked by coded paint designations on the paved areas or by coded stakes or flags along the unpaved areas. All marked locations are to be made at least 500 feet in advance of all trench excavation and the location and utility protection provided by the contractor must be to the satisfaction of the engineer and the County. Furthermore, the contractor shall uncover any utility and obtain the utility elevation as required by the engineer. All damages to existing utility facilities in the work area during trenching and installation of facilities for this contract are the responsibility of the contractor and he shall repair or replace damaged lines to the satisfaction of the utility owner.

5.0 Protection of Existing Utilities and Facilities

- a) In the conduct of his operations, the contractor shall take special precautions to protect equipment, structures, utility lines, roadways, subsurfaces, submerged, and overhead facilities against damage. In the event the facilities are disturbed, damaged, or injured as a result of the contractor's operation then the contractor shall immediately notify the utility owner and the County, and in conjunction with the owner determine the proper method of replacing, repairing, or restoring the affected facilities to the conditions which existed prior to the contractor's operations.
- b) The contractor shall, at his own expense, replace, repair or restore the affected facilities or areas to their original condition or shall reimburse the owner of said facilities for such expenses as the said owner may accrue in performing the work.

6.0 Connections to Existing Facilities

- a) Connections to existing facilities which are in service shall be thoroughly planned in advance, and all required equipment, materials and labor required for a successful connection shall be on hand at the time of undertaking the connections. Work shall proceed continuously (around the clock) if necessary to complete connections in the minimum time. Operation of valves or other appurtenances on existing utilities, when required, shall be by or under the direct supervision of the owning utility.

- b) Brunswick County Engineering and Utilities Departments do not allow tapping operations to existing mains on Fridays or on the day before a scheduled County holiday.
- c) A County Engineering and /or Public Utilities department inspector must be present during all wet tap operations on existing mains, and the contractor shall retrieve the coupon removed from the main and deliver same to County staff for verification of successful coupon removal.
- d) The contractor shall comply with all NCDOT requirements for work within public rights- of-way during normal working hours and also in advance of weekends and holidays.