

Technical Specification 008

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

1.0 General

- a) This specification details the utility contractor's responsibilities for providing temporary facilities and necessary controls required for the successful completion of a utility infrastructure project.
- b) For Brunswick County Capital Improvement Program (CIP) projects the Brunswick County General Conditions of the Contract provide guidance on construction facilities and temporary controls, and the utility contractor shall fully comply with the General Conditions. The Brunswick County General Conditions of the Contract is fully incorporated herein by reference and is considered a part of this specification.
- c) Contact County staff with any questions concerning Construction Facilities and Temporary Controls.

2.0 Consent for Utilization of Private Property

- a) The utility contractor is responsible for obtaining written consent from the proper parties prior to entering or utilizing any private property for any project involving Brunswick County. A copy of the agreement between the contractor and the property owner must be provided to County staff prior to commencing any work on the project that involves the utilization of any privately owned property.

3.0 Work Zones, Traffic Interference, and Street Protection

- a) The utility contractor is solely responsible for all work zone setup and maintenance and personnel safety on the project work site.
- b) The utility contractor shall not close or obstruct any portion of a public street or road or any private right-of-way without obtaining permits or permissions from the proper authorities or owners. The utility contractor shall, twenty-four (24) hours in advance of closing any street, if approved, notify the NCDOT, police, sheriff, and fire departments. He shall cooperate with all appropriate authorities in the establishment of alternate routes and, at his own expense, shall provide adequate, plainly-marked detour signs.
- c) If any public street or road or private right-of-way is rendered unsafe by the utility contractor's operations then he shall immediately make any repairs or provide such temporary access as may be needed for the traveling public that is acceptable to the appropriate authority.

- d) Streets, roads, private ways and walks not closed shall be maintained passable by the utility contractor at his expense, and the utility contractor shall assume full responsibility for the adequacy and safety of any and all provisions made.
- e) Traffic shall be maintained in accordance with the North Carolina Department of Transportation traffic maintenance procedures. For work within the public rights-of-way the issued NCDOT encroachment permit shall be on the job site at all times work is ongoing and shall be accessible for inspection if requested by NCDOT and / or County staff.
- f) For the proper control of traffic, the contractor shall provide work zones in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) or any other applicable guidance documents published by NCDOT.

4.0 Traffic Safety

- a) The utility contractor shall furnish, erect and maintain all barricades, warning signs, and markings for hazards necessary to protect the public and the work, especially when excavating adjacent to existing roadways. When used during periods of darkness, such barricades, warning signs and hazard markings shall be suitably illuminated. Flagmen, if required, shall be provided to facilitate safe movement between construction operations and normal traffic flow. For vehicular and pedestrian traffic, the contractor shall furnish, erect and maintain barricades, warning signs, lights and other traffic control devices in conformity with the Manual of Uniform Traffic Control Devices for Streets and Highways and all NCDOT requirements.
- b) The utility contractor is responsible for obtaining permission from the North Carolina Department of Transportation for road closures, detours, and for any work within, or on, public streets and rights-of-way.

5.0 Roadways and Haul Roads

- a) In general, the utility contractor shall confine his equipment and hauling where practical to existing public rights-of-way or easements acquired by the County. If existing pavement is damaged by the contractor's hauling operations, it shall be repaired to its original condition at the contractor's expense, including full width overlay if determined needed by the County, Engineer, and/or NCDOT (if a public street or road). Existing roads shall be kept clean and free from all dirt, mud, or construction debris.

6.0 Safety Precautions

- a) Until final acceptance of the work, the utility contractor shall continuously maintain adequate protection of the work and work in progress from damage. He shall adequately protect adjacent private and public property as provided by law and these Specifications.

- b) The utility contractor shall take all necessary precautions for the safety of employees on the work, and shall comply with all applicable provisions of federal, state and local safety laws and building codes to prevent accidents or injury; to persons on, about or adjacent to the premises where the work is being performed. He shall erect and properly maintain at all times as required by the conditions and progress of the work, all necessary safeguards and barricades for the protection of employees performing the work and provide for the safety of others near the work site.

7.0 Accident Reporting and Risk Assumption

- a) The utility contractor shall assume all risks of loss or damage of any kind to any vehicles, machinery, equipment, materials or supplies which it shall provide in doing the work.
- b) The utility contractor is responsible for adequate reporting, to the County and all applicable authorities, all serious accidents related to any work involving the County either on County CIP projects or developer installed infrastructure permitted in the name of Brunswick County.
- c) If a claim is made or suit is filed by anyone against the utility contractor, or any subcontractor to the utility contractor, on account of any accident, the utility contractor shall promptly report the facts in writing to the County giving full details of the claim.

8.0 Operational Hours

- a) The utility contractor shall limit his work activities to daylight hours between 7:30 a.m. until 6:00 p.m., Monday through Friday, excluding holidays.
- b) The utility contractor shall also comply with all conditions contained within an approved NCDOT encroachment permit with regards to working hours in the public rights-of-way and ceasing work within the rights-of-way in advance of a recognized holiday.

9.0 Noise Control

- a) Every possible measure or method shall be employed by the utility contractor to minimize the effects of noise from equipment and pumps to include mufflers, baffles, etc. Special effort shall be made to exercise noise abatement between sunset and sunrise.

10.0 Provision for Temporary Sanitary Facilities

- a) The utility contractor shall provide, maintain, and remove, when no longer required, an adequate number of temporary, prefabricated, chemical-type toilets with proper enclosures for the use of workmen during construction.

11.0 Dust Control

- a) The utility contractor shall conduct operations and maintain the work area in such a way as to minimize the creation and dispersion of dust. Water dispensing equipment may be required to reduce dust.

12.0 Temporary Water

- a) The utility contractor shall make all necessary arrangements for all water required during the entire construction period for pressure testing, flushing, dust control, and other requirements. Water needed for flushing and pressure testing may be provided at the discretion of the County.
- b) The utility contractor is responsible for coordinating with the County regarding the need for temporary construction water. System valves on the existing County water system shall not be operated by the utility contractor without the permission of County staff.
- c) Hydrant meters are available from Public Utilities – all applicable rates and fees apply and must be paid by the utility contractor for the use of a hydrant meter. All hydrant meters must have an approved backflow prevention device attached to the hydrant meter to prevent cross contamination of the County's water distribution system. Contact Public Utilities for additional information on the use of hydrant meters for temporary water.