

Technical Specification 012.01**TRENCH BOXES, SHEETING, AND SHORING****1.0 Sheeting and Shoring**

- a) Trench boxes, sheeting, shoring, and bracing shall be utilized as needed by the utility contractor during the installation of utility infrastructure in order to protect human life, prevent accidents, maintain trench integrity during pipeline laying operations, prevent damage to buildings or other structures along the line of construction, and to ensure a quality installation.
- b) The contractor is responsible for all aspects of using trench boxes, sheeting, and shoring during the project. Care must be taken not to damage in any way water mains, water service pipes, drain pipes, sanitary or stormwater sewers, sewer service pipes, gas mains, oil mains, electric conduits or other structures encountered on the line of the work during trench excavation.
- c) Special conditions of an NCDOT Encroachment Permit may require the use of sheeting and shoring while working in the DOT rights-of-way. The Engineer is responsible for the design and approval of any sheeting and shoring required by NCDOT.
- d) Only shoring authorized by the Engineer and approved by the Engineer shall be left in place. For shoring left in the public right-of-way the utility contractor must also obtain NCDOT approval.
- e) Whenever timber or other sheeting is driven to a depth below the elevation of the top of the pipe, that portion of the sheeting below the elevation of the top of the pipe shall not be disturbed or removed. Whenever timber or other sheeting is driven for the protection of trench walls in water-bearing soil, no portion of such sheeting below a level of 4 feet over the top of the pipe shall be removed.