

Technical Specification 011

DEWATERING

1.0 General Dewatering Requirements for Utility Work

- a) All ground water which may be found in the trenches and any water which may get into them from any cause whatsoever shall be pumped or bailed out so that the trench shall be dry during all pipe laying periods.
- b) All water pumped from the trenches shall be disposed of in compliance with the applicable local regulations of the appropriate governing body, and in accordance with all issued permits for the project.
- c) If dewatering operations cause a turbidity problem due to suspended sands or silts in the water it shall be the utility contractor's responsibility to utilize adequate methods to prevent unacceptable turbidity discharges, such as the use of a filtration sock or other methods.
- d) Any damage to property, or notices of violation from NCDEQ, shall be the utility contractor's responsibility to correct to the satisfaction of the Engineer at no cost to Brunswick County. All fines imposed by NCDEQ shall be paid by the utility contractor.
- e) The contractor shall be required to well point, pump, or provide other measures necessary to keep the trench dry during pipe laying operations.
- f) The use of large amounts of crushed stone is not an approved dewatering method.
- g) Dewatering operations shall be maintained until all backfilling and compaction is completed or as directed by the Engineer or County staff.
- h) No water shall be permitted to reach any poured concrete until it has sufficiently hydrated to a minimum strength such that water will not affect the cured concrete strength.
- i) The contractor shall provide and place all necessary flumes or other channels of adequate size to carry temporarily all streams, brooks, stormwater or other water which may flow along or across the lines of the pipe line. All flumes or channels thus utilized shall be tight so as to prevent leakage into the trenches.