

MEASUREMENT AND PAYMENT

1.0 General: The items to be measured and paid for are listed on the Bid Form. All additional material, labor, travel, repair of existing utilities, site preparation, clearing, cleanup, embedment stone, metallic tape, televising of line, rock excavation, compaction, grassing, erosion control and etc. shall have their cost for material, equipment, labor, overhead and profits included in the prices bid. Any item not listed in the bid but shown on the drawings or called for in the specifications shall have its cost included in the items listed below.

- 1.1. Mobilization: All work covered by this section will be paid for at the contract lump sum price for "Mobilization". The lump sum bid price shall not exceed 3% of the total project bid.
- 1.2. Traffic Control: The work shall be paid as lump sum and consist of establishing traffic control and maintaining safe, convenient use of public roads and rights-of-way. SCDOT regulations must be followed.
- 1.3. Sewer Service Lateral Rehabilitation/Replacement: The quantity of service lateral replacements will be paid for at the contract unit price for each service installed. Price and payment shall constitute full compensation for furnishing all equipment, tools, labor and materials to complete the work as specified, including site preparation, trench excavation, removal of existing pipe (if applicable), removal of existing pavement, trench rock excavation, placement and compaction of backfill, restoration of landscaping and pavement, abandonment of existing piping and all related items for complete installation. Service lateral will be designated from the main sewer line to either the first cleanout, 7'-6" off the sewer main, or to the property line (edge of road right-of-way). CIPP lining is acceptable and preferred method for lateral rehabilitation; due to constraints of SCDOT allowable road cuts.
- 1.4. Service Reconnection per Remote Cut Method: The number of lateral reconnections by remote cut will be paid at the contract price for "service reconnection per remote cut method." The Contractor will be responsible for locating all service laterals by television inspection of the lines prior to installation of the liner pipe. This bid item shall include all remote cuts regardless of the size of the existing sewer main or the size of the lateral being reconnected. Only one reconnection will be paid per each service lateral regardless of the method reconnected.

1.5. and 1.6.

10" and 8" Pipe CIPP Lining: The quantity of trenchless sewer liner installation to be paid for will be the actual number of linear feet of sanitary sewer line by pipe type which has been properly incorporated into the completed and accepted work. Pipe length shall be measured by horizontal feet in place measured along the pipe centerline. No deduction will be made for the manhole width. The quantity of trenchless sewer line installation will be paid for at the contract unit price for each type of pipe as shown in the Bid Schedule. Price and payment shall constitute full compensation for furnishing all equipment, tools, labor and materials to complete the work as specified, including site

preparation, installation of the pipe and related items to complete installation. See Technical Specifications.

- 1.7. Point Repair: The measurement for payment of this item will be the total number of specific point repairs of sewer pipe, regardless of size. No point repairs, required for successful rehabilitation of the sewer line, shall be made and paid for unless agreed to and authorized by the Engineer in writing. Payment will be made at the contract price bid as stated in the Bid Schedule for Point Repair, regardless of size and shall include all labor, materials, and equipment necessary to repair the existing sanitary sewer including coordination with existing utilities; protection of existing utilities including service connections, tree protection, excavation, sheeting, shoring and bracing, dewatering, completely drain and properly dispose of existing pipe contents, removal of existing damaged sanitary sewer, piping, fittings, backfill, compaction, and grading, post-installation video, repair of sags in line, applicable pavement restoration, all testing, and clean-up. This item also includes removal and replacement of fences and gates, mailboxes, trees, shrubs, irrigation sprinklers, sidewalk, curb and gutter, sod and other obstructions.
- 1.8. Cementitious Liner Applied to Existing Manhole: The quantity of spray-on liners to existing manholes to be paid will be the actual vertical footage of the manhole, based on the elevation difference between the top of bench and top of lid. Associated manhole invert construction work shall be included in the bid price for “cementitious liner applied to existing manhole.” The quantity of manhole liner will be paid for at the contract unit price per vertical foot as shown in the bid schedule. Price and payment shall constitute full compensation for all work covered by this section, including furnishing all equipment, labor, and materials to complete the work, including manhole surface preparation, stoppage of infiltration, construction of inverts and applications of the liner material.
- 1.9. Replacement of Manhole Frame and Cover (in Pavement): The quantity of manhole frames and covers to be replaced will be paid for at the contract unit price for frame and cover replacement, complete but not limited to excavation necessary to remove the existing frame and cover, removal and disposal of the existing frame and cover, brickwork repair, installation, backfill, compaction, paving and all related appurtenances to complete the work as specified.
- 1.11. Bypass Pumping: Measurement for this item shall be based on the complete bypass operation. Payment of the applicable Contract lump sum price shall be full compensation for furnishing all labor, materials, equipment as necessary for bypass operations and contingency plan as required, including pumps, piping, and hoses; tankers; temporary bypass and service piping; hauling and proper disposal of wastewater; plugging; gasoline/diesel fuel; protection of existing facilities, utilities, and property; traffic maintenance; signs and barriers; and all incidental work required to satisfactorily complete this item.