

SECTION 01010

PROJECT SUMMARY

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work
- B. Project Order
- C. General Requirements

1.02 SUMMARY OF THE WORK

- A. The work described herein generally consists of two (2) phases. The Contractor will locate the work through an evaluation phase, then after allowing the Engineer time to review and recommend line segments for rehabilitation, the Contractor will commence with the rehabilitation phase of the work.
- B. Evaluation:
Contractor shall perform sewer system evaluation work in basins A and D of the Mt. Pleasant Wastewater Collection System. This includes cleaning and televising approximately 25,700 LF of sewer line and 105 manholes. The location of these basins is identified on the plan sheets.
- C. Rehabilitation:
Contractor shall perform sanitary sewer rehabilitation work in Basins A and D. Areas of work will be identified by the Engineer and Owner. Methods of rehabilitation will include pipe bursting, service reconnections, manhole rehabilitation and manhole replacement.

1.03 EXECUTION AND COORDINATION OF THE WORK

- A. It is intended that the work covered by this Contract be done so as to cause minimum interference with the normal operation of the wastewater collection system and City roads/streets. The Contractor shall organize and schedule his work so as to keep facilities in operation during the construction period insofar as is consistent with the nature of the construction work to be performed.
- B. The Contractor shall submit to the Engineer all CCTV Inspection reports on a weekly basis. Contractor shall perform cleaning and televising of all 8-inch line segments prior to commencing work on any larger pipes.
- C. The Contractor shall have sufficient materials, equipment, labor and supervision available to accomplish the work required in the time allocated for any shutdown.

- D. Specific coordination items are listed for the Contractor's benefit.
 - 1. Contractor shall assist the Owner in locating buried or covered manholes.
 - 2. Owner shall excavate located but buried or covered manholes to provide access to Contractor and allow the progression of work.
 - 3. In traffic areas, Owner shall be responsible for removing asphalt to allow access to the Contractor. Owner shall also provide temporary crushed stone backfill to minimize traffic disruption prior to Contractor raising manholes and repairing pavement as part of the rehabilitation work.
 - 4. Contractor shall raise manholes to grade in easement areas during the rehabilitation phase.

1.04 PROJECT TIME

- A. Final completion for this project is set at 180 calendar days (including Engineer Review/Decision Time) after the date the Contract Time commences.
- B. Engineer's review time, estimated at 30 calendar days, will not be included in the Contractor's overall project time. Time distribution between phases is:
 - Phase 1 – Evaluation 45 days
 - Phase 2 - Rehabilitation 60 days

1.05 GENERAL REQUIREMENTS

- A. Smoking and Fire Precautions: No smoking, fire, or use of any fire or explosion producing tools or equipment shall be permitted on the premises or at any locations where such may endanger said premises or the current operations thereon.
- B. Manufacturers Qualifications: The manufacturers of all materials and equipment used must be reputable and regularly engaged in the manufacture of the particular material or equipment for the use and service to which it will be subjected.
- C. Contractor Shall Pay for All Laboratory Inspection Service: All materials and equipment used in the construction of the project shall be subject to adequate inspection and testing in accordance with accepted standards. The laboratory or inspection agency shall be selected by the Contractor and approved by the Engineer and/or Owner. Contractor to pay for all laboratory inspection services as a part of the Contract. Submit all material test reports to the Owner in triplicate.
- D. Compliance With State and Local Laws: Comply with all applicable requirements of state and local laws and ordinances to the extent that such requirements do not conflict with federal laws or regulations.
- E. Protection of Public and Private Property: Take special care in working areas to protect public and private property. The contractor shall replace or repair at his own expense any damaged water pipes, power and communication lines, or other public utilities, roads, curbs, gutters, sidewalks, drain pipes, ponds or pond

structures, sewer drainage ditches, all properties and fixtures (both permanent and temporary) fences, and all plantings, including grass or sod on the site of the work. Leave the site in original or better condition after all cleanup work has been done.

Reasonable care shall be taken during construction to avoid damage to vegetation. Ornamental shrubbery and tree branches shall be temporarily tied back, where appropriate, to minimize damage. Trees which receive damage to branches shall be trimmed of those branches to improve the appearance of the tree. Tree trunks receiving damage from equipment shall be treated with a tree dressing.

- F. Sewer Bypassing or Overflows: No wastewater bypassing shall occur during construction unless a schedule has been approved by the Division of Water and/or by EPA/NEPA permit if required.
- G. Markers: Preserve all USGS, TVA, and State property markers and private markers. Do not remove or disturb any such markers without prior approval from the Owner. Any removal and replacement of such markers shall be at the expense of the Contractor.
- H. Non-discrimination: The Contractor agrees to hire qualified persons without regard to race, creed, color, sex, or national origin for the performance of the work specified in this contract.
- I. Pavement Repair and/or Replacement: Whenever pipe trenches are cut across or along existing pavement or shoulders, backfill same and restore traffic over the cuts as quickly as possible by constructing a temporary surface with twelve (12) inches of Class A, grade D crushed stone. Add material and otherwise maintain such surface until the permanent pavement is restored by the Contractor or until the entire project is accepted.
- J. Highway Department Permits: The Owner shall secure any permits and provide bond as required by the Tennessee Department of Transportation or Obion County, Tennessee for the installation of permanent facilities on highway rights-of-way. All such work shall be coordinated with and be subject to the approval of TDOT.
- K. Approved Chemicals: All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must show approval of either EPA or USDA. The use of all such chemicals and the disposal of residues shall be in strict conformance with instructions.
- L. Catalogue Data for Owners: Provide duplicate, complete, bound sets of a compilation of catalog data of each manufactured item of mechanical and electrical equipment used in the work, and present this compilation to the Engineer for transmittal to the Owner before payment of more than ninety percent (90%) is made. Include descriptive data and printed installation, operating, and

maintenance instruction (including a parts list for each item of equipment)
Provide a complete double index as follows:

1. Listing the products alphabetically by name.
 2. Listing alphabetically the names of manufacturers whose products have been incorporated in the work, together with their addresses and the names and addresses of the local sales representative.
- M. Operation and Maintenance Instruction to Owner: Where the specifications for specific equipment require that a factory service representative provide operation and maintenance instruction to the Owner for that equipment, this service is to be performed by prior arrangement with the Owner after and in addition to the manufacturer's instructions to the Contractor for installation and start-up. The individual performing the instruction to the Owner shall be trained and/or certified by the manufacturer as its authorized operation, maintenance, and service specialist. If the said specialist is not a regular full-time employee of the manufacturer, the specialist's qualifications shall be submitted to the Owner for review and approval prior to scheduling the site visit for instructions to the Owner.
- N. Contractor shall update maps based on the evaluation work. Any discrepancy between manhole locations and/or line segment connections shall be noted on the plans. Contractor will be provided with a sufficient number of sets of plans to clearly and legibly show any revisions or changes.

Additionally, Contractor shall maintain an "up to date" set of As-Built Drawings. This set shall clearly identify the type of rehabilitation and the location of each service reconnection along the rehabilitated line segment.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION