

SECTION 01010

PROJECT SUMMARY

PART 1 - GENERAL

1.01 SECTION INCLUDES

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

1.02 SUMMARY OF THE WORK

- A. This project generally consists of:
 - 1. Install required project sign and construction trailer
 - 2. The addition of piping from influent chamber 1 to the influent wet well.
 - 3. The addition of grinding equipment at the influent pump station, with a crane and hoist and electrical and controls. Removal of an existing stairway and replacement with a new stairway and new guardrail.
 - 4. Demolition of existing screening equipment and installation of new screening equipment in an existing channel,
 - 5. Stainless Steel air piping from the existing blower building to the existing aeration basin and grit removal system, and demolition of old air piping.
 - 6. Demolition and new construction of a precast reinforced concrete chamber 3, a splitter box, with weirs and gates, and installation of new MLSS piping and drain lines.
 - 7. RAS Pumping Improvements, including demolition of 2 RAS pumps and installation of 3 new RAS pumps, and associated piping, and valves, and electrical and controls.
 - 8. Scum Pumping Improvements, including demolition of 2 scum pumps and installation of 2 new scum pumps, and associated piping and valves and electrical and controls

9. Demolition of components and installation of new components in an existing concrete Aerated Sludge Holding Tank including addition of two Blowers and Diffusers, and sluice gates and walkways and handrails. Add a \$ 30,000 allowance for concrete crack repairs to this work item.
10. Recommissioning of an existing sludge Thickening Basin by changing piping and adding valves, and return to service,
11. Sludge Concentrator pump room modifications, including demolition of 2 pumps, and addition of 2 new pumps and piping, with electrical and controls. The pump room will also have an overhead monorail with trolley and hoist added, and exterior doors added. Partial demolition of a concrete slab and new handrail.
12. A new Polymer Feed System in a new Prefabricated Building,
13. Pre-engineered Metal Canopy over Sludge Drying Beds,
14. Structural Concrete Additions,
15. Yard Piping and Valves and Flanged Piping and Valve Additions,
16. Site work including final grading, asphalt paving, and installation and maintenance of erosion control devices for the duration of the project,
17. Electrical modifications as necessary for a complete and operable wastewater treatment plant upgrade as shown on the Plans, and
18. Any/All other work which could be considered incidental to completion of the project as shown on the Plans.

1.03 PROJECT TIME

- A. The project time shall be 240 consecutive calendar days for Substantial Completion and 270 consecutive calendar days for Final Completion to complete the work as shown on the Contract Documents.

1.04 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.
- F. **Markers:** Preserve all USGS, TVA, State of Alabama, and City 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.
- G. **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.
- H. **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.
- I. **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

- J. 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.
- K. 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.
- L. Drawings of Record: Provide a complete, up-to-date record set of blue line prints, which shall be corrected daily to show every change to the approved shop drawings and shall be deducted from any amounts that are due or become due to the Contractor.
- M. Preservation of Existing Vegetation: Take reasonable care during construction to avoid damage to vegetation. Where the area to be excavated is occupied by trees, brush, or other uncultivated vegetable growth, clear such growth from the area, and dispose of it in a satisfactory manner. Leave undisturbed any trees, cultivated shrubs, flowers, etc., situated within public rights-of-way and/or easements through private property but not located directly within excavation limits. Transplant small ornamental trees, cultivated shrubs, flowers, etc., located directly within excavation limits so they may be replaced during property restoration operations. Do not remove or disturb any tree larger than 6 inches in diameter without the permission of the Engineer. Take special precautions (including the provision of barricades and the temporary tying back of shrubbery and tree branches) for the protection and preservation of such objects throughout all stages of construction; the Contractor will be held liable for any damage that may result to said objects from excavation or construction operations. Trim any limbs or

branches of trees broken during construction operations with clean cut, and paint with an approved tree pruning compound. Treat tree trunks receiving damage from equipment with a tree dressing.

- N. Utilities: The Contractor is to contact the Owner of all underground utilities before beginning construction in the area. Contractor shall determine exact location of all existing utilities prior to beginning construction. Carefully protect from damage all utilities in the vicinity of the work at all times. If it is necessary to repair, remove, and/or replace any such utility in order to complete the work properly, do so in compliance with the rules and regulations of the particular utility involved. Any such work shall be considered incidental to the construction of repairs of utility lines, and no additional payment will be allowed therefore.

PART 2 - PRODUCTS

N/A

PART 3 - EXECUTION

N/A

END OF SECTION

