

## 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. The project consists of the following components:
  - 1. Test drill a new 24" well
  - 2. Perform capacity testing and water sampling
  - 3. Install a 12 inch casing, screen, gravel pack, bentonite seal and grout
  - 4. Install a complete well pump with insulation, and motor
  - 5. Install discharge piping and valves with insulation
  - 6. Connect to existing 8 inch raw water line
  - 7. Repurpose existing well 1 for a new level sensor
  - 8. Make electrical and telemetry updates
  - 9. Install new fencing and gravel surfacing
  - 10. Maintain Sediment and Erosion Control
- B. Provide all labor, materials, equipment, tools, services and incidentals necessary to complete all work required and specified herein.
- C. Furnish and install all materials, equipment and incidentals, which are reasonably and properly inferable and necessary for the proper completion of the work, whether specifically indicated herein or not.

##### 1.03 PROJECT TIME

- A. Substantial completion shall be 90 calendar days after the Notice to Proceed and final completion shall be set at 120 calendar days after the date the Contract Time commences.

##### 1.04 PROJECT REQUIREMENTS

- A. The Hornbeak Utility District shall be notified at least 48 hours prior to starting the project.
- B. The Contractor shall furnish all labor, materials, equipment and services necessary for, and reasonably incidental to, preventing pollution of land, air and water for controlling run-off and erosion of soil.

- C. No digging or trenching will be permitted without the consent of the Owner.
- D. Access and work space at the site is limited. The Contractor shall keep the work in the Owner's easement and Owner's property.
- E. The Owner's ability to produce water from Well 2 shall not be compromised.
- F. 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.
- G. 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.
- H. 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.
- I. 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.
- J. 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 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. 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.

- K. 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.

- L. 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.
- M. 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.
- N. 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.
- O. 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.
- P. 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.

**PART 2 - PRODUCTS**

Not Used

**PART 3 - EXECUTION**

Not Used

**END OF SECTION**