

## 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 consists of painting and rehabilitation of the Ragsdale Lane 500,000 gallon ground water storage tank, and the painting and rehabilitation of the Fort Hill 1,000,000 gallon ground water storage tank. This is a NO-PLANS contract.

B. General Tank Information – Ragsdale Lane Tank:

1. Original Tank Construction in 1998.
2. Tank head range of 66.5 feet.
3. Tank height of 70 feet.
4. Tank diameter of 36 feet.
5. Tank capacity of 500,000 gallons.
6. Tank material: steel
7. Tank foundation: concrete footers
8. Interior access: 24” round hatch.
9. Roof hatch: 24” square opening.
10. Exterior ladder is in place.
11. Exterior tank level indicator.
12. Tank is vented via a roof vent.

General Tank Information – Fort Hill Tank

1. Original Tank Construction in 1967.
2. Tank head range of 21.5 feet.
3. Tank height of 22 feet.
4. Tank diameter of 94 feet.
5. Tank capacity of 1,000,000 gallons.
6. Tank material: steel
7. Tank foundation: concrete footers
8. Interior access: 24” round hatch.

9. Roof hatch: 24” round opening.
10. Exterior ladder is in place.
11. Exterior tank level indicator.
12. Tank is vented via a roof vent.

C. Tank Work Tasks – Ragsdale Lane 0.5 MG Ground Storage Tank Rehab

1. Drain and clean water tank interior.
2. Implement containment devices prior to preparation and painting.
3. Prepare and paint interior of steel tank utilizing a painting system of zinc rich primer and high solids epoxy.
4. Prepare and paint exterior steel tank using a zinc/urethane/fluoropolymer paint system (Base Bid) or a zinc/epoxy/urethane paint system (Deductive Alternate Bid).
5. Sealing of all seams at the interior roof to rim angles.
6. Replace faulty guide cable.
7. Install OSHA approved gate at exterior tank ladder opening.
8. Tank welding repairs as may be necessary.
9. Replace existing roof vent.
10. Tank sterilization upon completion of the painting.
11. Mobilization and furnishing of performance and payment bonds.
12. Final site cleanup.

D. Tank Work Tasks – Fort Hill 1.0 MG Ground Storage Tank Rehab

1. Drain and clean water tank interior.
2. Prepare and paint interior of steel tank utilizing a painting system of zinc rich primer and high solids epoxy.
3. Prepare and paint exterior steel tank using a zinc/urethane/fluoropolymer paint system (Base Bid) or a zinc/epoxy/urethane paint system (Deductive Alternate Bid).
4. Sealing of all seams at the interior roof to rim angles.
5. Install a secondary 24-inch diameter AWWA tank shell manway located 180 degrees from existing tank shell manway.
6. Replace float and water level gauge system with non-corrosive materials.
7. Install a 42-inch handrail at the top of exterior tank ladder
8. Install OSHA approved gate at exterior tank ladder opening.
9. Replace existing roof hatch with 30-inch AWWA roof hatch.
10. Replace existing roof vent.
11. Replace interior ladder including fall prevention device.
12. Tank welding repairs as may be necessary.
13. Tank sterilization upon completion of the painting.
14. Mobilization and furnishing of performance and payment bonds.
15. Final site cleanup.

### 1.03 PROJECT TIME

- A. The project time shall be 150 consecutive calendar days for Substantial Completion and 180 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 structures or vehicles damaged by the painting work 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 Tennessee, Giles County 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. **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

- I. 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.
  
- J. 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 in accordance with *State of Tennessee, Title 65 – Public Utilities and Carrier, Chapter 31 Underground Utility Damage Prevention Act*. 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**