

SECTION 01 10 00

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SECTION INCLUDES

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

1.02 RELATED SECTIONS

- A. Section 33 16 15 – Water Storage Steel Tanks
- B. Section 09 97 13.24 – Steel Water Storage Tank Painting
- C. Section 33 01 10.92 – Disinfection of Water Utility Storage Tanks

1.03 SUMMARY OF THE WORK

- A. This project consists of Painting and Rehabilitation of two (2) existing water storage tanks as follows:
 - 1. The Lodge Tank: 265,000 gallon standpipe at Fall Creek Falls State park near the lodge (located at 35° 39' 23.59" N, 85° 22' 45.52" W)
 - 2. The Stables Tank: 265,000 gallon standpipe at Fall Creek Falls State park near the horse stables (located at 35° 38' 48.25" N, 85° 19' 24.59" W)
- B. General Tank Information – LODGE TANK
 - 1. Original Tank Construction in 1971
 - 2. Tank diameter of 23 feet
 - 3. Height to overflow: 88 ft.
 - 4. Tank Shape: Standpipe
 - 5. Tank Capacity of 265,000 gallons
 - 6. Tank material: steel
 - 7. Tank foundation: concrete ring wall
 - 8. Interior access: 1 – 24" DIA manway.
 - 9. Roof hatch: 24" square opening

10. Exterior ladder in place; interior ladder in place.
11. Exterior tank level indicator.
12. 8" DIA fill pipe
13. External 6" diameter overflow pipe
14. Tank is vented via a 16" diameter roof vent.
15. Accessible by gravel paved roadway.
16. The site is fenced with an 8 ft. tall chain link fence w/ double gate.
17. Based upon tank inspection report dated March 4, 2013 prepared by Mid-South Tank Consultants, "the coating systems were completely removed by blast cleaning ... during the last maintenance event. The coating systems applied do not contain lead per the coating manufacturer."
18. Available Power: 3 phase at the compactor about 50 ft. away.

C. General Tank Information – STABLES TANK

1. Original Tank Construction in 1971.
2. Tank diameter of 23 feet.
3. Height to overflow: 88'-0".
4. Tank shape: Standpipe
5. Tank capacity of 265,000 gallons.
6. Tank material: steel
7. Tank foundation: concrete ring wall
8. Interior access: 1 – 24" manway located at ground level.
9. Roof hatch: 24 inch square opening
10. Exterior and interior ladders are in place.
11. Exterior tank level indicator.
12. 8" DIA fill pipe
13. External 6" diameter overflow pipe
14. Tank is vented via a 16" diameter roof vent.
15. Accessible by unpaved roadway.
16. The site is fenced with an 8 ft. tall chain link fence.
17. Based upon tank inspection report dated March 7, 2013 prepared by Mid-South Tank Consultants, "the coating systems were completely removed by blast cleaning ... during the last maintenance event. The coating systems applied do not contain lead per the coating manufacturer."
18. Available Power: a distance away (approx. 1500 ft.) at the stables. Be prepared to bring a generator.

1.04 SPECIAL REQUIREMENTS

- A. This contract will be awarded as two separate phases. The first Notice to Proceed will be for work on the Stables Tank. A separate Notice to Proceed will be issued for work on the Lodge Tank. The Notice to Proceed will be issued once all work is completed on the Stables Tank and weather conditions are favorable to begin work on the Lodge Tank.

- B. The maximum allowable time that either water tank may be taken out of service is 75 days.
- C. Only one tank may be out of service at any given time.
- D. Work may NOT take place during the designated lodge busy season of Memorial Day to Labor Day at the Lodge Tank.
- E. Work may NOT take place during the designated park busy season of Memorial Day to Labor Day at the Stable Tank.
- F. Tank painting and rehabilitation is greatly dependent upon the weather conditions in order for the paint applications to be effective. Surface preparation and tank painting shall occur at such time in the weather so as to be compliant with the recommendations of the approved paint manufacturer.
- G. The contractor shall provide and pay for the services of an independent paint inspector as described in Section 09 97 13.24.

1.05 CONTRACTOR'S USE OF PREMISES

- A. The project time for Phase 1 (Stables Tank) shall be 90 consecutive calendar days for Final Completion to complete the work as shown on the Contract Documents.
- B. The project time for Phase 2 (Lodge Tank) shall be 90 consecutive calendar days for Final Completion to complete the work as shown on the Contract Documents. The Notice to Proceed for Phase 2 will not be issued until work is completed on Phase 1 and the weather conditions are favorable to complete the work in accordance with the drawings and specifications.
- C. The contractor may work on the ground tanks Monday through Saturday from 6:00 am to dark, weather permitting. No work shall be performed on any tank on nationally recognized holidays. The contractor shall notify the Park Manager a minimum of three (3) days in advance of the intention to work on weekends.
- D. Contractor shall store all materials and equipment within fenced area of water storage tank and along access road to tank. No trucks, equipment or materials shall be located along main access routes used by the public.

1.06 OWNER OCCUPANCY

- A. Fall Creek Falls State Park is one of the most visited Parks in the Southeast and will remain open to the public.
- B. The Owner will continue to operate all facilities and features of the park for the duration of the project.

- C. The Parks personnel shall be given access to the water tanks and all areas of the Park during the construction period.

1.07 GENERAL REQUIREMENTS

- A. All damage to existing grounds or in-place construction shall be made good in a manner acceptable to the Engineer. In addition, the Owner must be protected from claims for damages within or without the premises that may result from this Contract.
- B. 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.
- C. 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.
- D. 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.
- E. 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.
- F. 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.
- G. Markers: Preserve all USGS, TVA, and State of Tennessee 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. 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. 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.

- K. 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.

- L. Contractor shall pay for the services of an independent paint inspector. The independent paint inspector shall be selected by the Contractor and approved by the Engineer/ Owner.

PART 2 - PRODUCTS

N/A

PART 3 - EXECUTION

N/A

END OF SECTION