

SECTION 01010

PROJECT SUMMARY

PART 1 - GENERAL

1.01 SECTION INCLUDES

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

1.02 RELATED SECTIONS

- A. Section 09870 – Steel Tank Rehabilitation
- B. Section 09873 – Field Painting Steel Water Tanks
- C. Section 13421 – Disinfection of Water Storage Facilities

1.03 SUMMARY OF THE WORK

- A. This project consists of Painting and Rehabilitation of two (2) existing water storage tanks. Tanks are listed as follows:
 - 1. 500,000 gallon Mose Drive ground storage tank
 - 2. 2,000,000 gallon Mose Drive ground storage tank
- B. This is a NO-PLANS contract.
- C. General Tank Information – Mose Drive #1
 - 1. Original Tank Construction in 1968.
 - 2. Tank overall height of 32'-0".
 - 3. Tank diameter of 52 feet.
 - 4. Height to overflow: 31'-6".
 - 5. Tank shape: round
 - 6. Tank capacity of 500,000 gallons.
 - 7. Tank material: steel
 - 8. Tank foundation: concrete ring wall
 - 7. Interior access: 1 – 24" manway located at ground level.
 - 8. Roof hatch: 24" round opening.
 - 9. Exterior and interior ladders are in place.

10. Exterior tank level indicator.
11. Exterior mounted 4" diameter overflow pipe with flap gate.
12. Tank is vented via an 18" diameter roof vent.
13. 23 channel beams support the roof which run from a center column to brackets welded to the shell knuckle.
14. Accessible by gravel roadway.
15. The site is fenced with a chain-link fence and a double-leaf gate.
16. Based upon tank inspection report dated June 13, 2012 prepared by Mid-South Tank Consultants, this tank does contain lead to the limits requiring special treatment of the interior or exterior blast residue. The interior system contains 64,900 ppm of lead and the exterior system contains 5,090 ppm of lead.

D. General Tank Information – Mose Drive #2

1. Original Tank Construction in 1979.
2. Tank overall height of 32'-0".
3. Tank diameter of 102 feet.
4. Height to overflow: 31'-6".
5. Tank shape: round
6. Tank capacity of 2,000,000 gallons.
7. Tank material: steel
8. Tank foundation: concrete ringwall
9. Interior access: 2 - 24" diameter located at ground level.
10. Roof hatch: 4 - 24" square openings. Three of the four have bars across the interior and do not have access to ladders.
11. Exterior and interior ladders are in place.
12. Exterior tank level indicator.
13. Tank is vented via a 24" diameter roof vent.
14. Exterior mounted 6" diameter overflow pipe with flap gate.
15. 30 interior roof channels beams and 54 outer roof wide flange beams support the roof which runs from a center column. 6 additional legs support girders which also support the roof members.
16. Accessible by gravel roadway.
17. The site is fenced with a chain-link fence and a double-leaf gate.
18. Based upon tank inspection report dated June 7, 2012 prepared by Mid-South Tank Consultants, this tank does contain lead to the limits requiring special treatment of the interior or exterior blast residue. The interior system contains 66,200 ppm of lead and the exterior system contains 17,600 ppm of lead.

1.04 PROJECT TIME

- A. The project time shall be 170 consecutive calendar days for Substantial Completion and 10 additional consecutive calendar days for Final Completion

(total of 180 consecutive calendar days) to complete the work as shown on the Contract Documents.

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 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, White 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