

SECTION 23 04 00 – UNDERGROUND TANK REMOVAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes general procedures for removing existing underground oil storage tanks. Refer to the contract drawings for additional details and information.
- B. The contractor shall provide unit prices, on the bid form, for a probe/sample well; soil sampling; contaminated water disposal and removal of contaminated soil.

1.3 CODES AND STANDARDS

- A. The tank removal shall be in accordance with all Pennsylvania State and local regulations and all applicable codes. The work shall be performed by a contractor with experience in removal of underground oil tanks. Submit contractor's qualifications prior to beginning the removal work. Contractor is required to complete all forms and closure reports required by the state and local authorities.

PART 2 - PRODUCTS

- 2.1 Not Applicable.

PART 3 - EXECUTION

3.1 TANK REMOVAL

- A. Tank removal activities shall be in accordance with all applicable code requirements. Collect soil/water samples as required.
- B. Contractor is responsible for identifying the location of all utilities within and adjacent to the work area which might be impacted by the removal activities.
- C. Verify all utilities within the work area are shut off, or otherwise secured to prevent any impact by the tank removal. If utilities are to remain in place, the Contractor shall provide adequate means of support and protection during earthwork operations.
- D. The Contractor shall cooperate with Owner in keeping respective services and facilities in operation.
- E. Drain product from piping back into tank and clean oil piping that is to be abandoned. Remove hydrocarbon products and sludge from the tank. Remove all piping, fill connections and accessories.

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- F. Clean steel tanks and ship to a scrap dealer for re-cycling, or dispose of tanks per code requirements. Include all associated costs fees.
- G. Residual and rinse materials from cleaning operations shall be collected, removed and disposed-of properly by contractor, in accordance with all state and local requirements. Pay all the re-cycling and/or disposal fees associated with the tank rinse, cleaning and/or residual materials.

3.2 EXCAVATION AND BACKFILL

- A. Grade top perimeter of excavation to prevent surface water from draining into excavation. Stockpile, excavated materials, where directed until required for backfill. Place, grade and shape stockpiles for proper drainage. Stockpiles shall not exceed 8 feet in height. Maintain excavations free of water. Provide, operate, and maintain pumping equipment. Protect excavations from cave-in of loose fill. Keep excavations open as short a time as practical. Cover with sturdy plywood or steel if excavations are to be left open overnight to prevent persons from entering the excavation.
- B. Stockpile excavated fill at each site in area approved by the Owner. Contaminated fill to be stockpiled separately. Stockpiled contaminated fill shall be placed on clean plastic sheeting or approved alternate material and securely covered to prevent residue drainage.
- C. Provide gravel fill for voids created by removal of tanks, tank accessories, concrete and soil. Verify that fill materials to be reused are free of debris. Remove all water from excavation. Backfill and compact excavated area, as required, to original elevations.

END OF SECTION 23 04 00