

SECTION 01100 - SUMMARY

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 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: Project consists of construction related to closing of existing landfill in phased construction.
 - 1. Project Location: Hartford, CT.
 - 2. Owner: The property owner is the City of Hartford. However, for the purposes of this contract, the term "Owner" shall mean the Connecticut Resources Recovery Authority (CRRA).
- B. Engineer Identification: The Contract Documents, dated May 2007, were prepared for Project by Fuss & O'Neill, Inc. 146 Hartford Road, Manchester, CT 06040.
- C. The Work includes: mobilization, temporary and permanent erosion and sedimentation control measures; clearing of vegetation; a geomembrane and soil cap system; landfill drainage system and components; gas vents extensions; earthwork; vegetative support layer; phase limit markers; landfill limit markers; bituminous concrete and gravel access drives; and miscellaneous site work.
- D. The Contractor shall follow the requirements of the Quality Assurance Plan (QAP), which is appended to these specifications.
- E. The Contractor shall sign the General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, sign the certification statement located in the Stormwater Pollution Control Plan, and shall be required to implement action items identified in the Stormwater Pollution Control Plan, which is appended to these specifications.

1.3 CONTRACT

- A. Project will be constructed under a general construction contract.

1.4 USE OF PREMISES

- A. General: Contractor shall have full use of premises for construction operations, including use of Project site, during construction period.
 - 1. During Phase I construction
 - a. The Contractor shall have access to the entire landfill but will be required to limit operations within the Phase II area.
 - b. Owner reserves the right to limit the Contractor's use of the Phase II area
- B. Field Office: Locate field offices for Contractor use as shown on the Drawings.

1.5 SPECIFICATION FORMATS AND CONVENTIONS

- A. Specification Format: The Specifications are organized into Divisions and Sections using the 16-division format and CSI/CSC's "MasterFormat" numbering system.
 - 1. Section Identification: The Specifications use section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of sections in the Contract Documents.
- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
 - 2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
 - a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

1.6 CALL BEFORE YOU DIG

- A. The Contractor shall be responsible for complying with all applicable Call Before You Dig Rules.

- B. Contact Call Before You Dig at 1-800-922-4455 at least 2 working days prior to the start of construction (excluding weekends and holidays), to mark out the utility locations.

1.7 ACCESS TO SITE

- A. Minimize damage to access routes, and restore damaged areas to their original condition or better.
- B. Acquire necessary permits, authorizations and approvals for working in, on or from property, rights-of-way or easements owned by others. The Contractor shall secure access rights of his own for such work.
- C. Remove and restore to original condition walls, fences, structures, utility lines, poles, guy wires, anchors, and other improvements required to be relocated for construction of the Work. Costs for such activity shall be borne by the Contractor unless otherwise indicated. Notify the Engineer, Owner, and Utility company of intended modification or disruption to their property prior to the start of construction and cooperate with them in the scheduling and performance of operations.
- D. If the Contractor, by direct negotiation and bargain with any land owner, lessee or tenant, has secured any right to use more space or greater privileges in the space provided by the Owner for purposes incidental to the performance of the Contract, upon request of the Engineer, furnish to the Engineer proper evidence that such additional rights have been properly secured and assurance that no damage to or claim upon the Owner or Engineer will arise therefrom. Neither the Owner nor the Engineer shall be liable in any way for any expense incurred by the Contractor in securing any such right to use additional property.
- E. The Contractor shall be responsible for and reimburse the Owner and others for any and all losses, damage or expense which the Owner or those others may suffer, either directly or indirectly or through any claims of any person or party, for any trespass outside the spaces and rights of way provided by the Owner to the Contractor or any violation or disregard of the terms and conditions established for the use or occupancy of those rights or for negligence in the exercise of those rights. The Owner may retain or deduct from any sum or sums due or to become due to the Contractor such amount or amounts as may be proper to insure the Owner against loss or expense by reason of the failure of the Contractor to observe the limits and conditions of the rights-of-way, rights-of-access, easements, etc., provided by the Owner.

1.8 SCHEDULE OF CONSTRUCTION

- A. Submit construction schedule to the Engineer at the earliest possible time but no later than 10 Days prior to beginning the Work.
 - 1. Incorporate erosion control provisions into construction schedule.

1.9 SITE CONDITIONS

- A. The Work is to be performed at a municipal solid waste landfill. Landfill gases, including methane, may be present in potentially combustible concentrations. Leachate may be generated by the landfill during the course of the Work.
 - 1. Take necessary precautions to protect and ensure the health and safety of employees, agents, subcontractors, suppliers, including employees of the Owner and Engineer during the performance of the Work.
 - 2. Prohibit the use of open flames, sparks, smoking or other activity which may ignite methane gas at the site.
- B. The underground utilities and structures at the site have been located primarily from information furnished by others and the locations as depicted on the Drawings are considered approximate as to size and location. There may be additional underground utilities and structures that are not shown on the Drawings. Locate all existing utilities and structures and protect same from damage or harm. Restore utilities interfered with or damaged, at the expense of the Contractor, and to the satisfaction of its Owner.
- C. Ensure that construction activities do not impact the activities or properties of the Owner and its agents without prior coordination and consent of these entities.
- D. Immediately notify the Engineer upon encountering archaeological material, including "charcoal," "bone," "shell," "cultural objects" (e.g., fire cracked stones/stone flaking material), "middens," or any other artifacts or related items of historical significance.

PART 2 - PRODUCTS

2.1 Field Office

- A. A.Common-Use Field Office: Provide an insulated, weathertight, air-conditioned field office for use as a common facility by all personnel engaged in construction activities; of sufficient size to accommodate required office personnel and meetings of 10 persons at Project site. Keep office clean and orderly.
 - 1. Provide designated work space for the Owner's Quality Assurance Consultant
 - 2. Furnish and equip offices as follows:
 - a. Revise subparagraph below by adding items of furniture as needed.
 - b. Desks and chairs, four-drawer file cabinet and bookcase.
 - c. Retain subparagraph below for large projects with long construction periods.
 - d. Water cooler.
 - 3. Provide a room of not less than 240 sq. ft. for Project meetings. Furnish room with conference table, 12 folding chairs, and 4-foot square tack board.

4. Provide utility services in the field office at no additional cost to the Owner as follows:
 - a. Revise subparagraph below by adding items of furniture as needed.
 - b. Electricity
 - c. Telephone voice service
 - d. Telephone facsimile service (dedicated line)
 - e. High speed internet
5. Provide an electric heater with thermostat capable of maintaining a uniform indoor temperature of 68 deg F. Provide an air-conditioning unit capable of maintaining an indoor temperature of 72 deg F.
6. Provide overhead fluorescent light fixtures.
7. Provide 110- to 120-V duplex outlets spaced at not more than 12-foot intervals, 1 per wall in each room.

2.2 Sanitary Facilities

- A. Self-Contained Toilet Units: Single-occupant units of chemical, aerated recirculation, or combustion type; vented; fully enclosed with a glass-fiber-reinforced polyester shell or similar nonabsorbent material.
 1. Install in close proximity to work area.
 2. Service and replenish supplies weekly.

PART 3 - EXECUTION

3.1 GENERAL

- A. The following is a general recommended sequence of construction operations. Submit a detailed construction schedule to the Engineer prior to the initiation of Work. Deviation from Contractor's schedule will require the Contractor to submit notification of such change in schedule to the Engineer.
 1. Obtain required permits, authorizations and approvals from Federal, State and local authorities, as well as private entities including the Owner, having jurisdiction over the Project. Make required notifications to regulatory authorities. Provide copies of such permits, authorizations, approvals and notifications to the Engineer.
 2. Mobilize to project Site.
 3. Install erosion controls and other temporary protective measures to ensure the safety of persons on the site and to mitigate injury to environmental receptors.
 4. Construct landfill cap system
 5. Perform surface restoration in disturbed areas.

6. Demobilize from project Site.

3.2 PROTECTION

- A. Assume full responsibility for the protection of public or private buildings, structures and utilities in the streets, gas pipes, water pipes, hydrants, sewers, drains and electric and telephone cables, whether or not they are shown on the Drawings. Carefully support and protect structures and utilities from damage of every description. Repair or otherwise make good such damage, as acceptable to the Engineer, and at no additional cost to the Owner.
- B. Open Excavation. Provide temporary barricades, caution signs, lights and other means to prevent accidents to persons and damage to property. Provide bridges and other crossings for accommodating travel by pedestrians and workmen.
 1. The length or size of open excavation will be controlled by the particular surrounding conditions, but shall always be confined to the limits prescribed by the Engineer.

3.3 SAFETY

- A. Comply with requirements of the most recent version of the Occupational Safety and Health Act (OSHA.)
- B. When any support system is used that requires design by an engineer, copies of the design stamped by an engineer shall be submitted to the OWNER.
- C. The Contractor has full responsibility to comply with all provisions of State of Connecticut Public General Statutes, Title 31, Chapter 571 concerning Occupational Safety and Health. Any fines levied against for violations shall be the Contractor's responsibility.

END OF SECTION