

## SECTION 011000 - SUMMARY

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Work performed by Owner.
4. Contractor's use of site and premises.
5. Coordination with occupants.
6. Work restrictions.
7. Specification and Drawing conventions.
8. Town permits.
9. Sequence of Construction

- B. Related Requirements:

1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.
2. Section 017300 "Execution" for coordination of Owner-installed products.

#### 1.3 PROJECT INFORMATION

- A. Project Identification: Water Resource Recovery Facility, Phase 1, Contract No. 1.

1. Project Location: 160 Theophilis F. Smith Road, Dennis, MA.

- B. Owner: Town of Dennis, Massachusetts.

1. Owner's Representative: Richard V. Peter, Wastewater Superintendent  
rpeter@town.dennis.ma.us.

- C. Engineer: CDM Smith.

1. Engineer's Representative: William McConnell, P.E.

- D. Project Coordinator for Multiple Contracts: Owner shall serve as Project coordinator.

- E. Web-Based Project Software: Project software will be used for purposes of managing communication and documents during the construction stage.
  - 1. See Section 013100 "Project Management and Coordination." for requirements for using web-based Project software.

#### 1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents is for construction of a new approximately 1.0 million gallon per day annual average water resource recovery facility (WRRF), and includes, but is not limited to, the following:
  - 1. Headworks Building and process equipment for preliminary treatment and solids handling.
  - 2. Sequencing Batch Reactor (SBR) system consisting of four SBR tanks and process equipment.
  - 3. Post-SBR Equalization Tanks
  - 4. Denitrification Filter system consisting of six filter tanks and process equipment.
  - 5. UV disinfection system.
  - 6. Process Building and gallery spaces to house process and other equipment.
  - 7. Operations Building to house administration, operations and other WRRF functional spaces.
  - 8. Waste Activated Sludge Storage Tanks.
  - 9. Odor control system.
  - 10. Four infiltration basins for effluent disposal and groundwater recharge.
  - 11. Site work.
  - 12. Electrical work to support the WRRF systems and buildings.
  - 13. HVAC, plumbing and fire protection work to support the WRRF systems and buildings.
  - 14. and other Work indicated in the Contract Documents.
- B. Type of Contract:
  - 1. Project will be constructed under a single prime contract.

#### 1.5 WORK PERFORMED BY OWNER

- A. Cooperate fully with Owner, so work may be carried out smoothly, without interfering with or delaying Work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.

#### 1.6 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Restricted Use of Site: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.
- B. Limits on Use of Site: Limit use of Project site to Work in areas the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

1. Driveways, Walkways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or for storage of materials.
  - a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
  - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- C. Condition of Existing Grounds: Maintain portions of existing grounds, landscaping, and hardscaping affected by construction operations throughout construction period. Repair damage caused by construction operations.

## 1.7 COORDINATION WITH OCCUPANTS

- A. Partial Owner Occupancy: Owner will occupy the premises during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing exits unless otherwise indicated.
  1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
  2. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.
- B. Owner Limited Occupancy of Completed Areas of Construction: Owner reserves the right to occupy and to place and install equipment in completed portions of the Work, prior to Substantial Completion of the Work, provided such occupancy does not interfere with completion of the Work. Such placement of equipment and limited occupancy shall not constitute acceptance of the total Work.
  1. Engineer will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner acceptance of the completed Work.
  2. Obtain a Certificate of Occupancy from authorities having jurisdiction before limited Owner occupancy.
  3. Before limited Owner occupancy, mechanical and electrical systems shall be fully operational, and required tests and inspections shall be successfully completed. On occupancy, Owner will operate and maintain mechanical and electrical systems serving occupied portions of Work.
  4. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of Work.

## 1.8 WORK RESTRICTIONS

- A. Comply with restrictions on construction operations.
  1. Comply with limitations on use of public streets, work on public streets, rights of way, and other requirements of authorities having jurisdiction.

- B. On-Site Work Hours: Limit work to between 7:30 a.m. to 4:00 p.m., Monday through Friday, unless otherwise indicated. Work hours may be modified to meet Project requirements if approved by Owner and authorities having jurisdiction.
- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging for temporary utility services according to requirements indicated:
  - 1. Notify Engineer not less than two days in advance of proposed utility interruptions.
  - 2. Obtain Engineer's written permission before proceeding with utility interruptions.
- D. Noise, Vibration, Dust, and Odors: Coordinate operations that may result in high levels of noise and vibration, dust, odors, or other disruption to Owner occupancy with Owner.
  - 1. Notify Engineer not less than two days in advance of proposed disruptive operations.
  - 2. Obtain Engineer's written permission before proceeding with disruptive operations.
- E. Smoking and Controlled Substance Restrictions: Use of tobacco products, alcoholic beverages, and other controlled substances on Project site is not permitted.
- F. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.

- ~~G. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on Project site.
  - 1. Maintain list of approved screened personnel with Owner's representative.~~

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## 1.9 SPECIFICATION AND DRAWING CONVENTIONS

- A. 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. Imperative mood and streamlined language are generally used in the Specifications. 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.
  - 2. Text Color: Text used in the Specifications, including units of measure, manufacturer and product names, and other text may appear in multiple colors or underlined as part of a hyperlink; no emphasis is implied by text with these characteristics.
  - 3. Hypertext: Text used in the Specifications may contain hyperlinks. Hyperlinks may allow for access to linked information that is not residing in the Specifications. Unless otherwise indicated, linked information is not part of the Contract Documents.
  - 4. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 00 Contracting Requirements: General provisions of the Contract, including General and Supplementary Conditions, apply to all Sections of the Specifications.

- C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- D. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
  - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
  - 2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
  - 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

#### 1.10 TOWN PERMITS

- A. Application fees for Town of Dennis permits will be waived for work under this Contract.

#### 1.11 SEQUENCE OF CONSTRUCTION

- A. The project site includes the Town of Dennis Department of Public Works area, consisting of miscellaneous stockpile area. Schedule and conduct the work such that it will not impede any work of the Department of Public Works, disrupt vehicular access to occupied spaces, create potential hazards to operating equipment and/or personnel, or cause odor or other nuisance.
- B. Before starting work which will interfere with the operation or access of existing facilities, the Contractor shall do all possible preparatory work and shall see that all labor, tools, materials, and equipment are made ready. The Contractor shall also assist in instructing operations and maintenance personnel in any new operating procedures.
- C. All work of connecting with, cutting into, and reconstructing existing pipes or structures shall be planned to interfere with the operation of the existing facilities for the shortest possible time when the demands on the facilities best permit such interference, even though it may be necessary to work outside of normal working hours to meet these requirements.
- D. It is emphasized that the operations of the existing facilities take precedence over all construction activities. Operational assistance given to the Contractor by the Owner will be provided when the Owner's schedule and manpower permit. Such assistance by the Owner may be limited on specific occasions because of process limitations or unavailability of personnel. Delays caused by such limitations shall be expected and shall not be the basis for claim of extra costs by the Contractor.
- E. All shut-downs shall occur only upon written request and with prior written authorization from the Owner. When work requires that a portion of the facility be shut down, the Contractor shall be fully prepared to execute the work in the most expeditious manner. The Contractor shall plan the work by taking into consideration all potential problems that may be encountered. Spare parts, pumps, pipe and fittings, and any other equipment appropriate for the work to be done shall be readily available for use in an emergency. The Contractor shall be prepared to

work continuously (24 hrs per day, 7 days per week) during the time when any critical systems are out of service.

- F. On-site storm drains shall be kept in operation at all times. Drains to be abandoned, removed, and/or replaced shall be kept in operation until new storm drains or temporary provisions for collecting storm run-off have been installed, tested, accepted and put into service.
- G. The Contractor shall provide the Owner's personnel and agents with vehicular and personnel access to all areas of the existing facility which remain in operation.
- H. Electric power and lighting service shall be uninterrupted in all areas that remain in operation. Street lighting shall remain in operation or substitute street lighting shall be in place prior to disconnecting existing street lighting.
- I. In the event that underground piping or utilities which are not shown on the Drawings are encountered, such piping or utilities shall not be disturbed without prior approval of the Engineer.
- J. The detailed sequence of construction shall be based upon the schedule submitted by the Contractor and approved by the Engineer as specified above. However, as a guide for bidders in the preparation of their bid and for the Contractor in the preparation of his schedule, a suggested sequence of construction is described below for specific portions of the work. The Contractor may alter the sequence as approved by the Engineer, providing plant operations are maintained.
- K. The order of construction shall be subject to the approval of the Engineer; such approval or direction, however, shall in no way relieve the Contractor's responsibility to perform the work in strict accordance with the Contract Documents. The construction plans and specifications have been developed to minimize the construction impacts on the Water Department operations. The Contractor shall note the requirements of this Section with regard to the operation of the facility and the phasing of construction when developing his work sequence. The Contractor's work sequence must be specifically detailed in the schedule that is required under Section 013200 "Construction Progress Documentation".

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 011000