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## **PART 1 - GENERAL**

### **1.1 RELATED SECTIONS**

- .1 Sections of Division 01 - General Requirements.
- .2 Sections of Division 22 - Plumbing.
- .3 Sections of Division 23 - Mechanical.
- .4 Sections of Division 25 - Integrated Automation.
- .5 Sections of Division 26 - Electrical.

### **1.2 WORK COVERED BY CONTRACT DOCUMENTS**

- .1 Work of this Contract comprises replacement of the flowmeter and the diesel storage tanks at EMSI Pumphouse. Work include:
    - .1 Mechanical:
      - .1 Supply and install a new flowmeter;
      - .2 Supply and install a new diesel pump and two new diesel tanks;
      - .3 Equipment connections.
    - .2 Integrated Automation:
      - .1 Flowmeter and related equipment controls;
      - .2 Diesel pump and related equipment controls.
      - .3 Plots programming at the control station.
    - .3 Electrical:
      - .1 Connection of the new equipments;
      - .2 Ground.
    - .4 Demolition as indicated;
    - .5 Commissioning;
    - .6 Training of the staff and site maintenance.
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- .2 Work subject to this Contract consists of the supply and transportation of the equipment to its final site, settings, installation, support, connection, identification, testing, start-up, calibration, balancing and programming of heating, ventilation as well as automatic regulation as indicated in the drawings and/or the specifications.
- .3 Work to include temporary arrangement required at site to finish the Work, such as site fence, temporary protection, vehicle access, and pedestrian circulation.
- .4 Construction and demolition waste management shall be executed in accordance with Section 01 74 21 - Construction Waste Management and Disposal.

### 1.3 CONTRACTOR USE OF PREMISES

- .1 Unrestricted use of site until Substantial Performance, while respecting specified working hours.
  - .1 Working hours to be from 7:00 a.m. to 4:00 p.m.
  - .2 Departmental Representative must be aware 72 hours prior any works requiring service interruption affecting users.
- .2 Limit use of premises for Work, to allow:
  - .1 Owner occupancy.
  - .2 Work by other contractors.
- .3 Contractor may install for his own use a trailer with a maximum length of 20 feet.
- .4 Co-ordinate use of premises under direction of Departmental Representative.
- .5 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- .6 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.
- .7 Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as directed by Departmental Representative.
- .8 At completion of operations condition of existing work: Equal to or better than that which existed before new work started.
- .9 Keep access for fire fighting purposes; provide means for fire fighting.

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#### **1.4 OWNER OCCUPANCY**

- .1 Owner will occupy premises during entire construction period for execution of normal operations.
- .2 Co-operate with Owner in scheduling operations to minimize conflict and to facilitate Owner usage.

#### **1.5 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING**

- .1 Execute work with least possible interference or disturbance to building operations, occupants, and normal use of premises. Arrange with Departmental Representative to facilitate execution of Work.
- .2 Use only access and circulating means existing in building for moving workers and material.
  - .1 Accept liability for damage, safety of equipment and overloading of existing equipment.

#### **1.6 EXISTING SERVICES**

- .1 Notify Departmental Representative and utility companies of intended interruption of services and obtain required permission.
  - .2 Where Work involves breaking into or connecting to existing services, give Departmental Representative 48 hours notice for necessary interruption of mechanical or electrical service throughout course of Work. Minimize duration of interruptions. Carry out Work at times as directed by governing authorities with minimum disturbance to vehicular traffic and tenant operations.
  - .3 Establish location and extent of service lines in area of work before starting Work. Notify Departmental Representative of findings.
  - .4 Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility including power and communications services. Adhere to approved schedule and provide notice to affected parties.
  - .5 Provide temporary services when directed by Departmental Representative to maintain critical building and tenant systems.
  - .6 Provide adequate bridging over trenches which cross sidewalks or roads to permit normal traffic.
  - .7 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
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- .8 Protect, relocate, or maintain existing active services. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction.
- .9 Record locations of maintained, re-routed and abandoned service lines.
- .10 Construct barriers in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.

## **1.7 DOCUMENTS REQUIRED**

- .1 Maintain at job site, one copy each document as follows:
  - .1 Contract Drawings.
  - .2 Specifications.
  - .3 Addenda.
  - .4 Reviewed Shop Drawings.
  - .5 List of Outstanding Shop Drawings.
  - .6 Change Orders.
  - .7 Other Modifications to Contract.
  - .8 Field Test Reports.
  - .9 Copy of Approved Work Schedule.
  - .10 Health and Safety Plan and Other Safety Related Documents.
  - .11 Other documents as specified.

## **PART 2 - PRODUCTS**

- .1 Not Used.

## **PART 3 - EXECUTION**

- .1 Not Used.

**END OF SECTION**

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