

## SECTION 01500

### CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

#### PART 1. GENERAL

##### 1.01 SECTION INCLUDES

- A. Temporary Utilities: Electricity, Lighting, Heat, Ventilation, Telephone Service, Water, and Sanitary Facilities.
- B. Temporary Controls: Barriers, Fencing, Water Control, Exterior Enclosures, Interior Enclosures, and Protection of the Installed Work.
- C. Construction Facilities: Security, Access Roads, Parking, Progress Cleaning, Project Identification, Field Offices and Sheds, and Removal of Utilities, Facilities and Controls.

##### 1.02 RELATED SECTIONS

- A. Section 01570 - Traffic Regulation.

##### 1.03 TEMPORARY ELECTRICITY

- A. Provide and pay for power service required from utility source.
- B. Provide power outlets for construction operations.

##### 1.04 TEMPORARY LIGHTING

- A. Provide, maintain, and pay for lighting as required to maintain specified conditions for construction.

##### 1.05 TEMPORARY HEAT

- A. Provide and pay for heat devices and heat as required to maintain specified conditions for construction operations.

##### 1.06 TEMPORARY VENTILATION

- A. None.

##### 1.07 TELEPHONE SERVICE

- A. Provide, maintain and pay for telephone service to field office and Engineer's field office at time of project mobilization. (When field office is required.)

##### 1.08 TEMPORARY WATER SERVICE

- A. Provide, maintain and pay for suitable quality drinking water for service to field office. (When field office is required.)

1.09 TEMPORARY SANITARY FACILITIES

- A. Provide and maintain required facilities and enclosures.
- B. At end of construction, return facilities to same or better condition than originally found.

1.10 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to allow for Authority's use of site, and to protect existing facilities and adjacent properties from damage from construction operations.
- B. Protect non-owned vehicular traffic, stored materials, site and structures from damage.

1.11 FENCING

- A. Construction: Contractor's option.
- B. Provide 4 foot high fence around construction site.

1.12 WATER CONTROL-Contractor is to provide all necessary permits for water control.

- A. At all times during the construction of work of this contract, maintain the flow of storm water, naturally occurring water and wastewater in existing facilities and channels affected by the work.
- B. Particular attention is directed to above requirement in regard to the maintenance of flow in existing sewer service connections during removal and replacement of the sewer main.
- C. Contractor assumes risk from floods or other causes and any damages done to the work in progress or to work completed under contract. Make repairs and replacements to the satisfaction of the Authority's Engineer.
- D. Contractor assumes responsibility for damages to property caused by flooding or back flooding of property due to blocking or restriction of storm water passages and natural waterways capacity during normal or excessive periods of water flow.
- E. At any time, do not permit wastewater flow from existing sewers to flow into nearby waterways or to flow on surface areas.
- F. The means and methods the Contractor employs to meet above requirements are at his discretion but will be subject to the Engineer's approval.
- G. Contractor is responsible for all necessary permits/ requirements for water control.

1.13 EXTERIOR ENCLOSURES

- A. None.

1.14 INTERIOR ENCLOSURES

- A. None.

1.15 PROTECTION OF INSTALLED WORK

- A. Protect installed Work and provide special protection where specified in individual specification Sections.
- B. Provide temporary and removable protection for installed Products. Control activity in immediate work area to minimize damage.
- C. Prohibit traffic from landscaped areas.

1.16 SECURITY

- A. Provide security and facilities to protect Work and existing facilities from unauthorized entry, vandalism, or theft.

1.17 ACCESS ROADS

- A. Construct and maintain temporary roads accessing public thoroughfares to serve construction area.
- B. Extend and relocate as Work progress requires. Provide detours necessary for unimpeded traffic flow.
- C. Provide and maintain access to fire hydrants free of obstructions.
- D. Provide means of removing mud from vehicle wheels before entering streets.
- E. Designated existing on-site roads may be used for construction traffic.

1.18 PARKING

- A. Provide temporary gravel surface parking areas to accommodate construction personnel.
- B. When site space is not adequate, provide additional off-site parking.
- C. Do not allow vehicle parking on existing pavement.
- D. Designate one parking space for the Authority.

1.19 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove waste materials, debris, and rubbish from site periodically and dispose off-site.

1.20 PROJECT IDENTIFICATION

- A. Project sign shall meet local codes and ordinances for size and location.

1.21 FIELD OFFICES AND SHEDS

- A. Provide, maintain, and pay for project Office. The Office shall be weather-tight, with lighting, electrical outlets, heating, cooling and ventilating equipment, and equipped with sturdy furniture, drawing display table, computer and fax machine. Authority may waive office requirements depending upon scope of the project.
- B. Provide space for Project meetings with table and chairs to accommodate 6 persons.

1.22 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary above grade or buried utilities, equipment, facilities, and materials prior to Substantial Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

PART 2. PRODUCTS

Not Used.

PART 3. EXECUTION

3.01 REMOVAL

- A. Contractor shall dismantle (if required) and remove such temporary facilities as required during construction of the project.