

## **SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS**

### **PART 1 GENERAL**

Not used

### **PART 2 PRODUCTS**

Not used

### **PART 3 EXECUTION**

#### **3.1 TEMPORARY ELECTRICITY**

- A. Provide temporary electrical service of capacity and characteristics required for construction.
- B. Maintain distribution system and provide routine repairs.

#### **3.2 TEMPORARY TELEPHONE AND COMPUTER SERVICES**

- A. Provide temporary telephone service required during construction.
- B. Provide computer in Contractor's field office with printer, Internet access, scanner, and email service.

#### **3.3 TEMPORARY WATER**

- A. Provide temporary water required for construction.
- B. Extend branch piping and provide temporary hoses so that water is available at locations needed for work.
- C. Protect from freezing.
- D. Maintain distribution system and provide routine repairs.

#### **3.4 TEMPORARY SANITARY FACILITIES**

- A. Provide chemical toilets for use during construction.
- B. Maintain facilities in clean and sanitary condition.

#### **3.5 FIELD OFFICES AND SHEDS**

- A. Provide temporary field offices and storage sheds required for construction.
- B. Do not unreasonably encumber site or premises with excess materials or equipment.
- C. Temporary Structures:
  - 1. Portable or mobile buildings, structurally sound, weathertight, with floors raised above ground.
  - 2. Thermal transmission resistance: Compatible with occupancy and storage requirements.
  - 3. Provide connections for utility services when required.
  - 4. Provide steps and landings at entrances.
- D. Field Office:
  - 1. Size required for Contractor's use and to provide space for project meetings.
  - 2. Adequate electrical power, lighting, heating, and cooling to maintain human comfort.
  - 3. Provide facilities for storage of Project Record Documents.
  - 4. Provide thermometer mounted at convenient outside location, not in direct sunlight.

### 3.6 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to allow for Fort Worth Botanic Garden's use of site and premises, and to protect existing facilities from construction operations.
- B. Provide barricades required by governing authorities for public right-of-ways and for public access to existing facilities.
- C. Fencing:
  - 1. Provide temporary fencing for construction operations.
  - 2. Construction: Commercial grade chain link.
  - 3. Height: 6 feet.
  - 4. Locate to protect construction operations, materials, and equipment.
  - 5. Provide vehicular gates.
- D. Tree and Plant Protection:
  - 1. Protect existing trees and plants at site that are designated to remain.
  - 2. Employ qualified tree surgeon to remove roots and branches that interfere with construction.
  - 3. Provide temporary barriers to height of 6 feet around individual or groups of trees and plants.
  - 4. Do not permit vehicular traffic, parking, storage of materials, dumping of harmful chemicals or liquids, or standing or continuously running water within root zones.
  - 5. Supervise earthwork operations to prevent damage to root zones.
  - 6. Replace trees and plants that are damaged or destroyed due to construction operations.

### 3.7 PROTECTION OF INSTALLED WORK

- A. Protect installed work from construction operations; provide special protection when required in individual specification sections.

### 3.8 PROGRESS CLEANING

- A. Maintain areas free from waste materials, debris, and rubbish. Maintain site in clean and orderly condition.
- B. Provide containers for collection of waste materials, debris, and rubbish; remove and dispose of off site as required by construction activities.

### 3.9 TEMPORARY CONTROLS

- A. Water Control:
  - 1. Grade site to drain. Prevent puddling water.
  - 2. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.
  - 3. Provide water barriers to protect site from soil erosion.
- B. Erosion and Sediment Control:
  - 1. Plan and execute methods to control surface drainage from cuts, fills, borrow areas, and waste disposal areas. Prevent erosion and sedimentation.
  - 2. Minimize amount of bare soil exposed at any one time.
  - 3. Provide temporary measures such as silt fences, dikes, berms, settlement basins, and drainage systems to prevent water flow and sedimentation.
  - 4. Periodically inspect earthwork to detect erosion and sedimentation; promptly employ corrective measures.
- C. Dust Control:
  - 1. Provide dust control materials and methods to minimize dust from construction operations.
  - 2. Prevent dust from dispersing into atmosphere.

### 3.10 REMOVAL

- A. Remove temporary utilities, equipment, facilities, and services when construction needs can be met by use of permanent construction or upon completion of Project.
- B. Remove foundations and underground installations; grade site as indicated.
- C. Clean and repair damage caused by installation or use of temporary work.
- D. Restore existing and permanent facilities used during construction to original or to specified condition.

END OF SECTION